KICHLER®

KICHLER PHOTOMETRIC LAB

Filename: DTC Recessed-4'' Square 11.5W-Photometric Report
Manufacturer: Kichler Lighting LLC
Luminaire: DLRC04S2790WHT
Luminaire Cat: CTR181039-02
Lamp: Integrated LED DC
Lamp Output: Total luminaire Lumens: 724.1
Max Candela: 361.5 at Horizontal: 350°, Vertical: 1°
Input Wattage: 11
Luminous Opening: Rectangle (L: 2.4", W: 2.4")
Test: LM-79 Distribution
Test Lab: Kichler Lighting LLC
Photometry : Type C
Nema Type: 7 X 7

Polar Candela Distribution

Roadway Summary

	Lumens	% Lamp
Cutoff Classification:	FULL CUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	0	
Max Cd, 80 to <90 Deg:	15.5	
Downward Street Side:	366.7	50.6%
Downward House Side:	357.5	49.4%
Downward Total:	724.2	100%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	724.2	100%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	95.1%	688.6	136.3	136.3
Beam (50%):	65.6%	474.8	86.6	86.7
Total:	100%	724.0		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	269.0	37.1%
0-40	419.8	58%
0-60	644.9	89.1%
60-90	79.1	10.9%
70-100	30.1	4.2%
90-120	0	0%
0-90	724.1	100%
90-180	0	0%
0-180	724.1	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	34.1	4.7%	90-100	0	0%
10-20	96.5	13.3%	100-110	0	0%
20-30	138.4	19.1%	110-120	0	0%
30-40	150.9	20.8%	120-130	0	0%
40-50	133.0	18.4%	130-140	0	0%
50-60	92.1	12.7%	140-150	0	0%
60-70	49.0	6.8%	150-160	0	0%
70-80	24.0	3.3%	160-170	0	0%
80-90	6.2	0.9%	170-180	0	0%

Isofootcandle Plot

House Side / Street Side / Type I / Type II / Type III / Type IV / Long / Medium / Short / Very Short

20 fc   2.5 fc   0.2 fc
10 fc   1 fc   0.1 fc
5 fc   0.5 fc   50% Max Cd   Total LLF: 0.69
Distance in units of mount height (8ft)   --- Max Cd

IsoCandela Plot

Cd: 325, 90%   Cd: 144, 40%
Cd: 271, 75%   Cd: 108, 30%
Cd: 217, 60%   Cd: 72, 20%
Cd: 181, 50%   Cd: 36, 10%
---- Point of Max Cd: 361.5
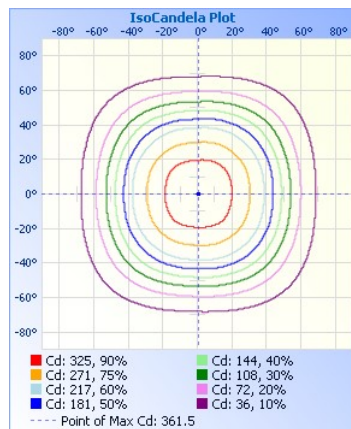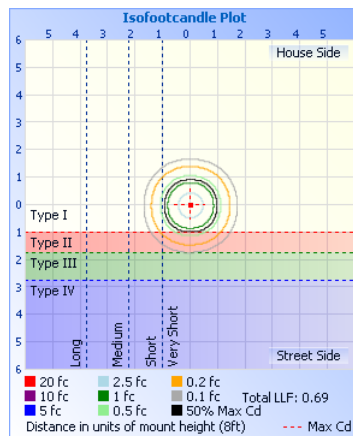
Illuminance at a Distance

	Center Beam fc	Beam Width	
1.3ft	214 fc	2.5 ft	2.4 ft
2.7ft	49.5 fc	5.1 ft	5.1 ft
4.0ft	22.6 fc	7.5 ft	7.5 ft
5.3ft	12.9 fc	10.0 ft	10.0 ft
6.7ft	8.04 fc	12.6 ft	12.6 ft
8.0ft	5.64 fc	15.1 ft	15.1 ft

Vert. Spread: 86.7°
Horiz. Spread: 86.6°

Roadway Utilization Curve
■ - House Side   ■ - Street Side
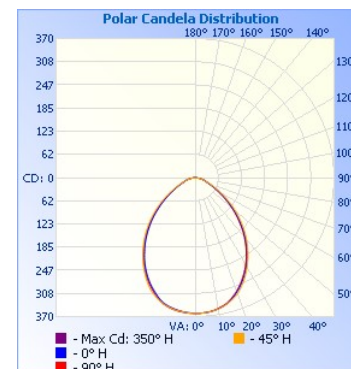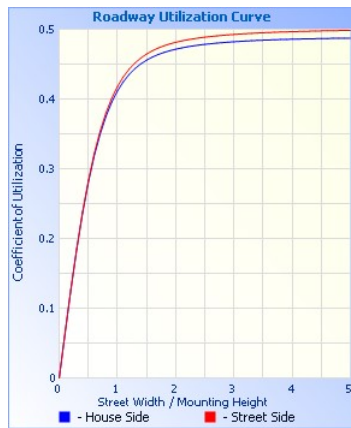
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %	80				70				50			30			10			0
RW %	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.11	1.07	1.03	1.00	1.08	1.04	1.01	.88	1.00	.98	.95	.96	.94	.92	.93	.91	.89	.88
2	1.02	.95	.89	.84	1.00	.93	.88	.77	.90	.85	.81	.87	.83	.80	.84	.81	.78	.76
3	.94	.85	.78	.72	.92	.84	.77	.68	.81	.75	.70	.78	.73	.69	.76	.72	.68	.66
4	.87	.77	.69	.63	.85	.75	.68	.60	.73	.67	.62	.71	.65	.61	.69	.64	.60	.58
5	.81	.69	.61	.55	.79	.68	.61	.53	.66	.60	.54	.64	.58	.54	.63	.57	.53	.51
6	.75	.63	.55	.49	.73	.62	.55	.48	.60	.54	.49	.59	.53	.48	.57	.52	.48	.46
7	.70	.58	.50	.44	.68	.57	.49	.43	.55	.49	.44	.54	.48	.43	.53	.47	.43	.41
8	.66	.53	.45	.40	.64	.52	.45	.39	.51	.44	.39	.50	.44	.39	.49	.43	.39	.37
9	.61	.49	.41	.36	.60	.48	.41	.36	.47	.41	.36	.46	.40	.36	.45	.40	.36	.34
10	.58	.45	.38	.33	.57	.45	.38	.33	.44	.37	.33	.43	.37	.33	.42	.37	.33	.31

Zonal Lumen Tabulation - Flood Type

	-88.75	-86.25	-83.75	-81.25	-78.75	-76.25	-73.75	-71.25	-68.75	-66.25	-63.75	-61.25	-58.75	-56.25	-53.75	-51.25	-48.75	-46.25	-43.75	-41.25	-38.75	-36.25	-33.75	-31.25	-28.75	-26.25	-23.75	-21.25	-19.75
88.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0
66.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0
63.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
61.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
58.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
56.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
53.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0
51.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0
48.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
46.25	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.1
43.75	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.1
41.25	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.1
38.75	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1
36.25	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.1
33.75	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.1
31.25	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.1
28.75	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.1
26.25	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.1
23.75	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.1
21.25	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.1
19.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
18.5	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.1
16.75	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0
15.5	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
13.75	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.1
11.25	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.1
8.75	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.6	0.1	
6.25	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.6	0.1	
4.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
3.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
-0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
-1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
-2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
-3.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
-4.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
-6.25	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.6	0.1	
-8.75	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.1	
-11.25	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.1	
-13.75	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.1	
-15.5	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0			
-16.75	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.1			
-18.5	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.1		
-19.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0			
-21.25	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.1		
-23.75	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.1		
-26.25	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.1		
-28.75	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.1		
-31.25	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.1		
-33.75	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.1		
-36.25	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.1		
-38.75	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.1		
-41.25	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.1		
-43.75	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.1			
-46.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0			
-48.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0			
-51.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0	

53.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0
56.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
58.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
61.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
63.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
66.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0
68.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0
71.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Maximum lm: 0.7
Field lm: 688.6
Total lm: 724.0

Candela Table - Type C

	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	2
0	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	3
1	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	360	360	360	360	360	361	361	361	361	361	3
2	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	360	360	360	360	360	360	360	360	360	360	360	3
3	360	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	3
4	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	359	360	360	360	360	360	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	3
5	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	359	360	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	358	358	358	358	358	358	358	358	358	358	358	358	358	3
6	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	358	358	358	358	358	358	358	358	358	358	358	358	358	358	357	357	357	357	357	356	356	357	357	357	3
7	358	358	358	358	358	358	357	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	357	357	357	357	357	357	357	357	357	357	357	357	357	356	357	357	356	356	356	356	357	357	357	357	3
8	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	355	355	355	355	355	355	355	356	356	356	356	3
9	356	356	356	356	356	356	356	356	356	356	356	356	356	355	355	355	355	355	355	355	355	355	355	355	355	355	354	354	354	354	354	354	354	354	353	353	354	354	354	354	354	354	355	355	3		
10	354	354	354	355	354	354	355	355	355	355	355	355	355	354	354	353	353	353	353	353	353	353	353	353	353	353	353	353	353	352	352	352	352	352	352	352	352	350	350	350	350	353	353	353	354		2
11	353	353	353	352	353	353	353	353	353	353	352	353	353	350	350	350	350	349	349	351	351	351	351	351	351	351	351	351	351	351	351	351	351	351	350	350	351	351	351	351	352	352	352				2
12	351	351	351	351	351	351	351	351	351	351	351	351	351	350	350	350	350	349	349	349	349	349	349	349	349	349	349	349	349	349	349	348	348	348	348	348	348	348	349	349	349	349	350	350	350		3
13	349	349	349	349	349	349	349	349	349	349	349	349	348	348	348	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347	346	346	346	346	346	346	346	346	347	347	347	348	348	348	349			
14	346	346	346	346	346	347	347	347	347	347	346	346	346	346	345	345	345	344	344	344	344	344	344	344	344	344	344	344	344	344	344	344	344	343	343	344	344	344	344	345	345	346	346	346	346		3
15	343	343	343	343	344	344	344	344	344	344	344	343	342	342	342	342	342	341	341	341	341	341	341	341	341	341	341	341	341	341	342	342	342	342	342	343	343	343	343	344							3
16	340	340	340	340	341	341	342	342	342	341	341	341	341	340	339	339	338	338	338	338	337	338	339	339	339	339	339	339	339	338	338	337	337	337	337	337	338	339	339	340	340	340	341	341			3
17	336	336	336	337	337	338	339	339	339	339	338	338	338	337	336	335	334	334	334	334	334	334	335	335	335	336	336	336	336	335	335	334	334	333	333	333	333	334	335	336	336	337	337	338	338		3
18	332	333	333	333	334	334	335	336	336	336	336	335	334	333	332	331	330	330	330	330	330	330	331	331	332	332	333	333	333	332	332	331	330	330	329	329	329	330	330	332	333	333	334	334	335		3
19	328	328	329	329	330	331	331	332	332	333	332	331	330	329	328	327	326	326	326	325	326	326	327	327	328	329	329	330	329	329	328	327	326	325	325	325	325	325	326	328	328	329	330	331	331		3
20	324	324	324	325	326	326	327	328	328	328	328	327	326	325	324	323	322	322	321	321	322	322	323	323	324	325	326	325	324	323	322	322	321	320	319	318	317	316	315	315	315	316	318	319	319	321	3
21	320	320	320	321	322	322	323	324	324	325	324	323	322	321	319	318	317	317	317	316	317	317	318	319	319	320	321	321	320	319	318	317	316	315	315	315	316	318	319	319	321	322	323	324	3		
22	315	315	315	316	317	318	319	319	320	320	319	319	317	316	315	314	313	312	312	312	312	312	313	314	315	316	316	317	316	315	314	313	312	311	311	310	311	311	311	313	314	315	316	317	318	319	3
23	310	310	311	311	312	313	314	315	315	315	314	314	313	311	310	309	308	307	307	307	307	308	308	309	310	311	312	311	311	309	308	307	307	306	305	306	306	307	308	309	310	311	313	314	314		3
24	305	305	306	306	307	308	309	310	310	310	309	309	308	307	305	304	303	302	302	302	302	303	304	305	306	306	306	305	304	303	302	301	300	300	301	302	303	304	308	308	309						3
25	300	300	301	302	303	304	305	305	305	304	304	303	302	301	300	299	297	297	296	296	297	297	298	300	301	301	300	300	299	298	297	296	295	296	297	298	299	300	302	303	303		3				
26	294	295	295	296	297	298	299	300	299	299	299	298	297	296	295	293	292	291	291	291	292	293	294	295	295	295	295	295	294	293	292	291	290	289	290	291	292	293	294	295	296	297	298	298		2
27	289	290	290	291	292	293	294	294	294	293	293	293	292	291	289	288	287	286	286	285	286	286	288	288	290	290	290	289	289	289	289	287	286	285	284	284	285	285	286	288	289	290	291	292	292	292	2
28	284	284	284	285	286	288	288	288	288	287	287	287	286	285	284	282	281	280	280	280	280	281	282	283	284	284	284	283	283	283	283	282	281	279	279	278	279	279	280	282	283	284	285	285	286	286	2
29	278	278	279	280	281	283	283	282	282	281	281	280	278	277	275	274	274	274	275	275	274	272	273	273	275	276	277	277	277	276	275	274	273	272	273	275	276	278	279	280	280	2					
30	272	272	273	274	275	276	277	277	276	276	275	275	275	274	272	271	269	269	268	268	269	270	271	272	272	272	272	271	270	269	268	267	266	267	267	269	270	271	273	273	274	274	274	2		
31	266	266	268	268	269	271	271	271	270	270	269	269	269	268	267	265	264	263	262	262	263	264	265	266	266	266	265	265	265	265	265	264	263	262	261	260	261	261	262	264	265	267	267	268	268	268	2
32	260	260	261	262	263	264	265	264	264	264	263	263	263	262	261	259	258	257	256	256	257	258	259	260	260	260	259	259	259	259	259	258	257	256	255	254	255	255	256	258	259	260	261	261	261	262	2
33	254	254	255	256	257	258	258	258	258	257	257	257	257	256	255	255	251	251	250	250	250	251	253	253	253	252	253	252	252	251	250	252	252	253	254	255	255	255	2								
34	247	248	249	250	251	252	252	252	252	251	251	250	248	247	245	244	243	243	244	246	246	246	246	247	247	247	246	246	245	244	243	242	241	242	242	244	245	247	248	247	248	249	249				
35	241	241	242	243	245	245	245	245	245	244	244	244	243	242	240	239	237	237	237	237	238	240	241	241	240	240	240	240	239	239	238	237	235	234	235	236	237	239	240	241	241	242	242	242			
36	234	235	236	237	238	239	239	239	239	238	238	237	237	236	235	234	232	230	230	230	231	232	233	234	234	234	234	233	233	233	233	232	232	232	230	229	228	228	229	231	232	234	234	235	235	236	2
37	227	228	229	230	231	232	232	232	232	232	231	231	230	230	229	227	225	224	223	223	224	225	227	227	227	227	227	227	227	226	226	225	225	223	222	221	222	222	224	225	227	228	228	228	229	229	2
38	220	221	222	223	225	225	226	225	225	224	223	223	222	221	220	218	217	217	216	217	219	220	220	220	220	219	219	218	218	217	215	214	215	215	217	218	221	221	222	222	223	2				
39	214	214	215	217	218	218	219	219	218	218	217	217	216	215	213	212	210	210	211	212	213	213	214	214	213	212	211	211	210	208	207	208	208	210	212	213	214	214	215	216	216	2				
40	207	207	208	210	211	211	212	212	212	212	211	211	210	209	208	206	205	203	203	203	204	205	206	206	207	207	207	206	206	205	204	204	203	201	200	201	201	203	205	206	207	207	208	209	210		2
41	200	200	201	203	204	204	205	205	205	205	204	204	203	202	201	200	198	196	196	196	196	198	199	199	200	200	200	200	200	199	198	197	197	196	194	193	194	195	196	198	199	200	200	201	202	203	2
42	192	193	194	196	197	197	198	198	198	198	197	197	196	195	194	193	191	189	188	189	189	191	192	192	193	193	193	193	192	192	191	190	190	189	187	186	187	188	189	191	192	193	193	195	195	196	1
43	185	186	187	188	189	190	191	191	191	191	190	190	189	188	187	185	184	182	181	182	182	185	186	186	186	186	185	185	184	183	182	181	180	180	181	182	184	185	186	186	189	1				
44	178	178	180	181	182	183	184	184	184	184	184	183	182	181	179	178	176	174	174	174	175	176	177	178	179	179	178	178	177	176	175	174	172	171	173	174	175	177	178	179	179	181	182	182		1
45	170	171	173	174	175	175	176	177	178	177	177	176	175	174	172	171	169	167	167	167	168	169	170	171	171	172	172	172	171	171	170	169	168	167	165	164	165	166	168	170	171	172	172	174	175	175	1
46	163	164	165	167	168	168	169	170	171	170	170	169	168	166	165	164	162	160	159	160	161	162	163	163	164	165	165	165	165	164	163	161	161	160	158	157	158	159	161	162	163	164	165	167	168	168	1
47	156	157	158	160	160	161	162	163	163	163	162	161	159	158	156	155	153	152	152	152	153	155	156	156	157	158	158	158	157	156	154	153	152	154	155	155	156	157	158	159	161	161	1				
48	150	150	151	152	153	154	155	156	156	156	155	153	152	151	149	147	146	145	145	146	148	149	150	151	151	151	151	150	149	147	146	145	144	143	144	145	147	148	149	150	151	152	154	154		1
49	142	143	144	145	146	147	148	149	149	149	149	148	146	145	143	142	140	138	138	138	139	140	141	142	143	144	144	144	143	142	140	139	138	137	135	137	137	139	140	141	143	144	145	146	147		1
50	135	135	137	138	139	140	141	142	142	142	142	141	139	138	136	135	133	131	130	131	132	133	134	135	136	136	137	137	137	135	135	133	132	131	130	128	130	130	132	133	134	135	137	138	139	140	1
51	128	128	130	131	131	133	134	135	135	135	135	134	132	131	129	127	126	124	123	124	125	126	127	128	129	130	130	130	130	129	128	126	125	124	123	122	123	123	125	126	127	128	130	131	132	133	1
52	121	121	123	124	124	126	127	128	128	128	127	125	124	122	120	119	117	116	117	116	117	116	116	117	118	119	120	121	122	121	119	118	116	116	114	114	116	118	119	120	122	123	124	125	125	126	1
53	114	115	116	117	119	120	121	122	121	121	120	118	117	115	114	112	111	110	110	111	112	113	114	115	116	116	116	115	114	112	111	110	109	108	109	109	110	111	112	113	115	116	117	118	119		1
54	107	108	109	110	111	112	113	114	115	115	114	113	112	110	108	107	106	104	103	104	105	105	106	107	108	109	109	109	109	107	106	104	104	102	101	102	103	104	105	106	108	109	110	111	112		1
55	100	101	103	103	104	105	106	107	108	108	107	106	105	103	102	100	99	97	97	97	98	98	99	101	102	103	103	103	102	102	101	99	98	97	96	95	95	97	98	99	100	101	102	104	105	105	1
56	94	95	96	97	98	99	100	101	101	101	101	99	99	97	95	93	92	91	90	91	92	92	93	94	95	96	96	96	95	94	93	91	90	89	89	89	90	92	92	93	95	96	97	98	98		
57	88	89	90	90	91	92	93	94	95	94	94	93	92	90	89	87	86	85	86	87	88	89	90	90	90	90	89	88	85	84	83	83	84	85	86	87	88	88	90	91	92	92				
58	82	82	84	84	85	86	87	88	88	88	87	85	84	81	80	79	78	79	79	80	80	81	83	83	83	83	82	82	80	79	78	77	77	78	79	80	81	82	84	85	86					
59	76	77	78	78	79	80	81	82	82	82	81	81	79	78	77	75	74	73	72	73	74	74	75	75	77	77	77	77	76	76	74	73	72	72	71	72	73	74	74	75	76	77	79	79	80		
60	70	71	72	73	73	74	75	76	76	76	75	75	73	72	71	70	69	68	67	68	68	69	69	70	71	71	71	72	71	71	70	69	68	67	66	67	67	68	69	70	71	72	73	73	74		
61	65	66	67	67	68	69	69	70	71	70	70	69	68	67	66	64	64	63	62	63	64	64	65	65	66	66	66	65	65	64	63	62	61	62	62	63	64	64	65	66	67	68	68			
62	60	61	62	62	62	63	64	64	65	65	64	63	62	61	60	59	58	57	56	57	58	59	60	60	61	61	60	60	59	58	57	56	57	58	59	60	60	61	62	63	63					
63	56	56	57	58	59	59	60	59	59	60	59	59	58	57	56	55	54	53	53	54	54	55	55	56	56	56	55	54	53	53	52	52	53	53	54	55	56	56	57	58	58					
64	51	52	52	53	53	54	54	55	55	55	54	54	53	52	52	51	50	49	50	50	50	51	51	51	51	51	51	51	50	50	49	48	49	50	50	51	51	52	52	52	53	53				
65	48	48	48	49	49	50	50	50	51	50	50	50	49	49	48	47	47	46	45	46	46	47	47	47	48	47	47	47	47	47	46	46	45	45	46	46	47	47	48	48	49	49	49			
66	44	44	45	45	45	46	46	47	46	46	46	45	45	44	44	43	42	42	42	42	42	43	43	44	44	44	44	43	43	43	42	41	42	42	43	44	44	44	44	45	45	45				
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68	37	37	38	38	38	39	39	39	39	39	39	39	38	37	37	37	36	36	36	36	37	37	37	37	37	37	37	37	36	36	35	35	35	35	36	36	37	37	37	38	38	38				
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151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Luminaire Report Summary

```
IESNA:LM-63-2002
[TEST] LM-79 Distribution
[TESTLAB] Kichler Lighting LLC
[ISSUEDATE] 4/7/2020
[MANUFAC] Kichler Lighting LLC
[LUMCAT] CTR181039-02
[LUMINAIRE] DLRC04S2790WHT
[LAMP] Integrated LED DC

FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 181, HORIZONTAL ANGLES: 73
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: STANDARD
FILE: BALLAST FACTOR: 1
```

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Reported data calculated from manufacturer's data file, based on IES recommended methods.