

# KICHLER®

KICHLER PHOTOMETRIC LAB

**Filename: DTC Slim 6" Round 14W-Photometric Report**

Manufacturer: Kichler Lighting LLC

Luminaire: DLSL06R2790WHT

Luminaire Cat: CTR181086-04

Lamp: Integrated LED AC

Lamp Output: Total luminaire Lumens: 953.9

Max Candela: 329.5 at Horizontal: 125°, Vertical: 1°

Input Wattage: 13.7

Luminous Opening: Circular (Dia: 5.04")

Test: LM-79 Distribution

Test Lab: Kichler Lighting LLC

Photometry: Type C

Nema Type: 7 X 7

**Roadway Summary**

Cutoff Classification:	FULL CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	0
Max Cd, 80 to <90 Deg:	43.6
Lumens % Lamp	
Downward Street Side:	474.0 49.7%
Downward House Side:	480.1 50.3%
Downward Total:	954.0 100%
Upward Street Side:	0 0%
Upward House Side:	0 0%
Upward Total:	0 0%
Total Lumens:	954.0 100%

**Zonal Lumen Summary**

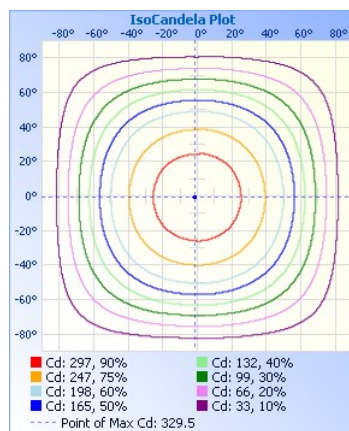
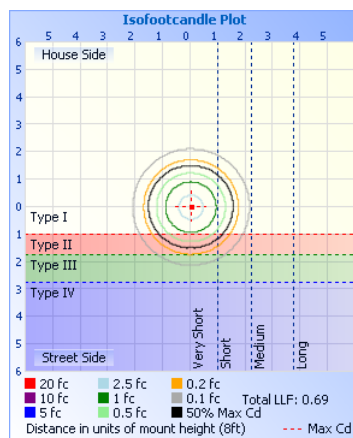
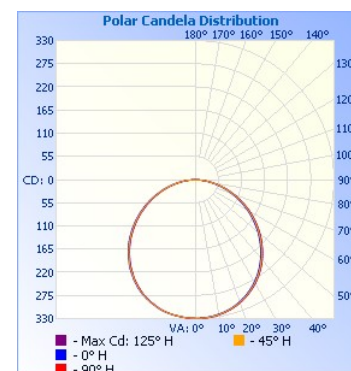
Zone	Lumens	% Luminaire
0-30	258.2	27.1%
0-40	423.7	44.4%
0-60	748.4	78.5%
60-90	205.5	21.5%
70-100	88.5	9.3%
90-120	0	0%
0-90	953.9	100%
90-180	0	0%
0-180	953.9	100%

**Flood Summary**

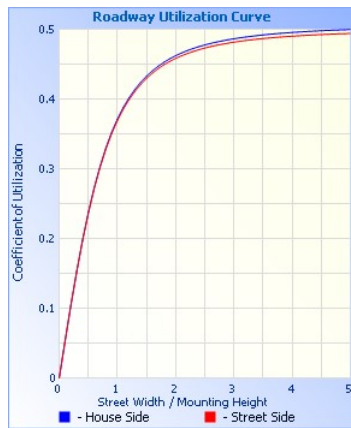
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.6%	940.5	163.3	163
Beam (50%):	72.9%	695.3	112.8	112.4
Total:	100%	953.8		

**Lumens Per Zone**

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	31.2	3.3%	90-100	0	0%
10-20	89.9	9.4%	100-110	0	0%
20-30	137.1	14.4%	110-120	0	0%
30-40	165.5	17.4%	120-130	0	0%
40-50	171.1	17.9%	130-140	0	0%
50-60	153.6	16.1%	140-150	0	0%
60-70	117.1	12.3%	150-160	0	0%
70-80	69.1	7.2%	160-170	0	0%
80-90	19.3	2.0%	170-180	0	0%



Illuminance at a Distance			
	Center Beam fc	Beam Width	
1.3ft	195 fc	3.9 ft	3.9 ft
2.7ft	45.2 fc	8.1 ft	8.1 ft
4.0ft	20.6 fc	12.0 ft	12.0 ft
5.3ft	11.7 fc	15.8 ft	16.0 ft
6.7ft	7.33 fc	20.0 ft	20.2 ft
8.0ft	5.14 fc	23.9 ft	24.1 ft
Vert. Spread: 112.4°			
Horiz. Spread: 112.8°			



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	10	50	30	20	10	50	30	20	10	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	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.00	1.00
1	1.09	1.04	.99	.95	1.06	1.01	.98	.84	.97	.94	.91	.88	.93	.91	.88	.86	.90	.88	.86	.83	.83
2	.99	.90	.83	.78	.96	.88	.82	.71	.85	.79	.75	.73	.82	.77	.73	.71	.78	.75	.71	.69	.69
3	.90	.79	.71	.64	.87	.78	.70	.60	.75	.68	.63	.61	.72	.66	.61	.58	.69	.64	.60	.58	.58
4	.82	.70	.61	.54	.80	.69	.60	.51	.66	.59	.53	.51	.64	.58	.53	.50	.62	.56	.52	.50	.50
5	.76	.63	.53	.47	.73	.61	.53	.45	.59	.52	.46	.45	.57	.51	.45	.43	.55	.50	.45	.43	.43
6	.70	.56	.47	.41	.68	.55	.47	.39	.54	.46	.40	.39	.52	.45	.40	.38	.50	.44	.40	.37	.37
7	.65	.51	.42	.36	.63	.50	.42	.35	.49	.41	.36	.35	.47	.40	.35	.34	.46	.40	.35	.33	.33
8	.60	.47	.38	.32	.59	.46	.38	.31	.45	.37	.32	.32	.43	.37	.32	.31	.42	.36	.31	.29	.29
9	.56	.43	.34	.29	.55	.42	.34	.28	.41	.34	.29	.29	.40	.33	.28	.28	.39	.33	.28	.26	.26
10	.53	.39	.31	.26	.51	.39	.31	.26	.38	.31	.26	.26	.37	.30	.26	.26	.36	.30	.26	.24	.24

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**Luminaire Report Summary**

IESNA:LM-63-2002  
[TEST] LM-79 Distribution  
[TESTLAB] Kichler Lighting LLC  
[ISSUEDATE] 6/16/2020  
[MANUFAC] Kichler Lighting LLC  
[LUMCAT] CTR181086-04  
[LUMINAIRE] DLSL06R2790WHT  
[LAMP] Integrated LED AC

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.