

KICHLER

Filename: 10760WHLED-Photometric Report

Luminaire: DRP-1420-30_001

Lamp Output: Total luminaire Lumens: 1432.4

Max Candela: 389.9 at Horizontal: 22.5°, Vertical: 0°

Input Wattage: 19.796

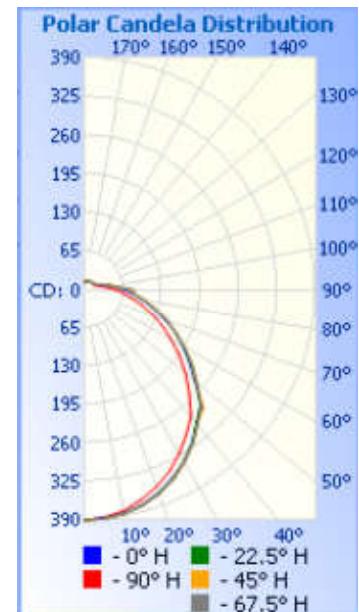
Luminous Opening: Point

Test: LM-79

Test Date: 2/9/2016

Test Lab: Intertek Testing Services Hong Kong Ltd

Photometry : Type C



Roadway Summary

Cutoff Classification:	NONCUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	83.2	
Max Cd, 80 to <90 Deg:	113.1	
	Lumens	% Lamp
Downward Street Side:	635.8	44.4%
Downward House Side:	634.7	44.3%
Downward Total:	1,270.6	88.7%
Upward Street Side:	80.5	5.6%
Upward House Side:	81.7	5.7%
Upward Total:	162.2	11.3%
Total Lumens:	1,432.8	100%

Zonal Lumen Summary

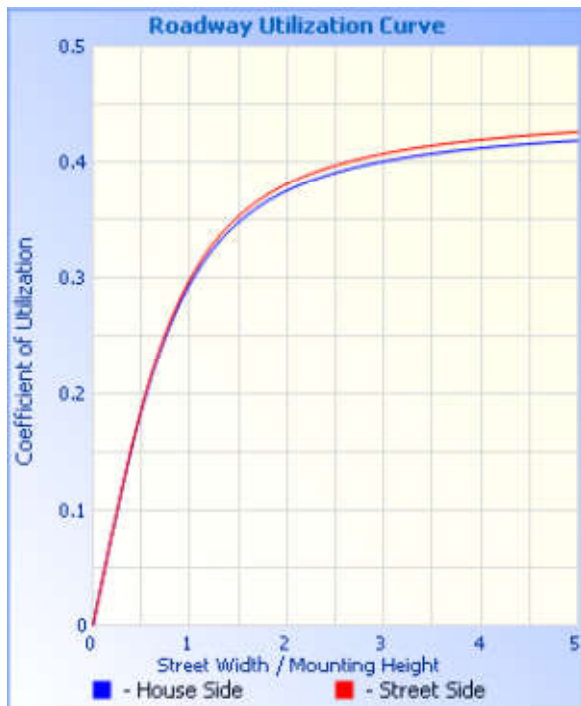
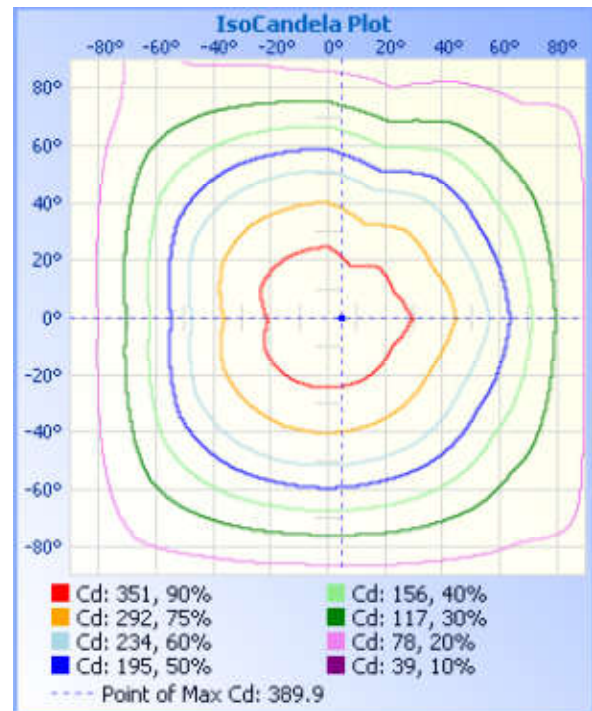
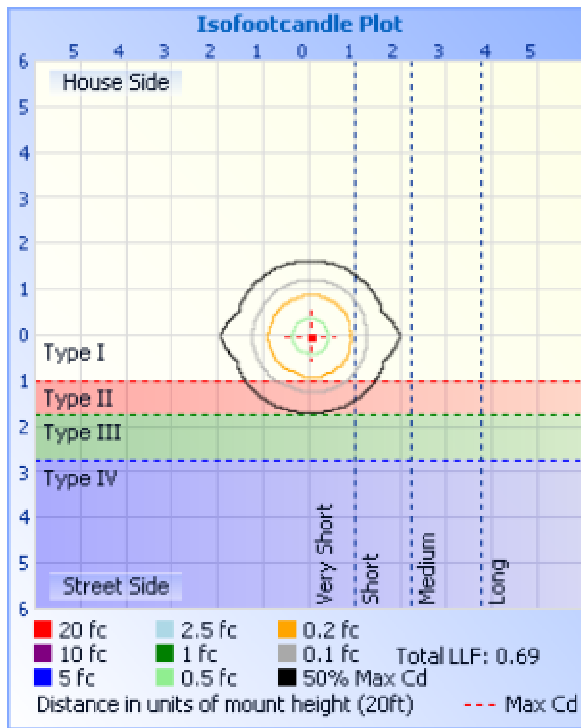
Zone	Lumens	% Luminaire
0-30	303.3	21.2%
0-40	499.1	34.8%
0-60	896.7	62.6%
60-90	373.5	26.1%
70-100	267.3	18.7%
90-120	109.9	7.7%
0-90	1,270.2	88.7%
90-180	162.2	11.3%
0-180	1,432.4	100%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	92.6%	1,327.0	n/a	201.5
Beam (50%):	61%	874.3	118.2	116.3
Total:	100%	1,432.7		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	36.8	2.6%	90-100	55.5	3.9%
10-20	105.7	7.4%	100-110	33.2	2.3%
20-30	160.9	11.2%	110-120	21.2	1.5%
30-40	195.7	13.7%	120-130	16.1	1.1%
40-50	205.9	14.4%	130-140	13.2	0.9%
50-60	191.8	13.4%	140-150	10.3	0.7%
60-70	161.8	11.3%	150-160	7.3	0.5%
70-80	124.2	8.7%	160-170	4.3	0.3%
80-90	87.6	6.1%	170-180	1.2	0.1%



Illuminance at a Distance

	Center Beam fc	Beam Width	
17.0ft	1.34 fc	54.7 ft	56.9 ft
34.0ft	0.34 fc	109.5 ft	113.7 ft
51.0ft	0.15 fc	164.2 ft	170.6 ft
68.0ft	0.08 fc	219.0 ft	227.5 ft
85.0ft	0.05 fc	273.7 ft	284.3 ft
102.0ft	0.04 fc	328.5 ft	341.2 ft

■ Vert. Spread: 116.3°
 ■ Horiz. Spread: 118.3°

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	1.16	1.16	1.16	1.16	1.12	1.12	1.12	.89	1.05	1.05	1.05	.98	.98	.98	.92	.92	.92	.89
1	1.04	.98	.93	.89	1.00	.95	.90	.71	.89	.85	.81	.83	.80	.77	.77	.75	.73	.70
2	.94	.85	.77	.71	.90	.82	.75	.58	.76	.71	.66	.71	.67	.63	.67	.63	.59	.57
3	.85	.74	.65	.58	.82	.71	.63	.49	.67	.60	.54	.62	.57	.52	.58	.54	.50	.47

4	.78	.65	.56	.49	.75	.63	.54	.41	.59	.52	.46	.55	.49	.44	.52	.47	.42	.40
5	.71	.58	.49	.42	.68	.56	.47	.36	.53	.45	.39	.50	.43	.38	.47	.41	.37	.34
6	.66	.52	.43	.36	.63	.50	.42	.31	.48	.40	.34	.45	.38	.33	.42	.36	.32	.30
7	.61	.47	.38	.32	.58	.46	.37	.28	.43	.36	.30	.41	.34	.29	.38	.33	.28	.26
8	.57	.43	.34	.28	.54	.42	.34	.25	.39	.32	.27	.37	.31	.26	.35	.30	.25	.23
9	.53	.39	.31	.25	.51	.38	.30	.22	.36	.29	.24	.34	.28	.24	.33	.27	.23	.21
10	.50	.36	.28	.23	.48	.35	.28	.20	.33	.27	.22	.32	.26	.21	.30	.25	.21	.19

Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	360
0	389	390	390	390	390	389	389	387	389	390	390	390	389	389	389	387	389
5	387	389	389	389	386	387	387	387	387	387	387	387	390	387	387	382	387
10	383	385	385	385	379	382	382	382	382	383	385	383	389	382	382	376	383
15	376	377	377	378	368	374	376	374	374	374	374	374	382	376	374	364	376
20	365	366	368	368	355	364	364	364	363	364	364	363	376	364	364	350	365
25	351	352	353	355	339	350	350	350	348	348	348	347	363	350	351	334	351
30	335	335	337	338	320	334	333	333	331	331	331	331	348	333	333	315	335
35	316	317	318	318	299	316	315	313	312	313	312	312	331	313	315	292	316
40	294	294	296	298	279	294	292	292	291	290	289	289	311	291	292	269	294
45	282	276	283	277	250	269	265	260	266	256	257	253	290	278	278	242	282
50	243	246	246	248	222	244	243	243	239	239	239	238	252	242	242	216	243
55	216	218	221	222	195	217	217	216	214	213	213	212	239	214	216	188	216
60	191	192	195	194	168	191	190	188	190	187	187	186	212	188	188	164	191
65	166	168	168	169	144	164	164	164	165	164	161	160	186	162	164	139	166
70	142	144	146	146	121	140	140	140	140	139	139	136	161	138	138	118	142
75	120	122	123	122	100	117	117	118	120	120	117	116	135	113	114	97	120
80	100	103	104	101	81	96	96	97	100	100	99	96	113	92	95	79	100
85	82	83	84	83	65	78	78	81	82	82	81	79	94	75	77	71	82
90	66	75	75	83	52	62	61	64	61	66	61	58	75	60	65	49	66
95	53	55	55	53	40	48	48	51	52	53	52	51	52	45	47	40	53
100	42	43	43	42	30	38	38	40	42	42	42	39	47	36	36	30	42
105	31	34	34	32	25	30	30	31	31	32	32	30	38	29	29	25	31
110	25	26	26	25	21	23	25	25	26	26	26	25	29	22	23	19	25
115	21	22	22	21	18	21	21	21	22	22	22	21	23	19	19	18	21
120	19	19	19	19	17	18	19	19	19	19	19	19	19	18	18	17	19
125	18	18	18	18	17	17	17	18	18	18	18	18	18	17	17	17	18
130	17	18	18	17	17	17	17	18	17	17	18	17	17	17	17	17	17
135	17	17	17	17	17	17	17	17	18	17	17	17	18	17	17	16	17
140	17	17	17	17	17	17	17	17	17	17	17	17	17	16	17	16	17
145	16	16	17	17	17	17	17	17	17	17	17	17	17	16	16	16	16
150	16	16	16	16	16	17	17	17	16	17	17	16	16	14	16	14	16
155	16	16	16	16	16	17	17	16	17	17	16	16	16	16	16	14	16
160	16	16	16	16	14	17	16	17	16	16	16	16	16	16	16	14	16
165	14	14	14	16	14	16	16	16	16	16	14	16	14	14	14	16	14
170	14	14	14	14	12	16	14	16	16	14	14	14	14	14	14	14	14
175	12	12	12	12	13	13	12	12	13	12	13	12	12	10	12	12	12
180	14	14	14	13	12	13	13	13	14	14	14	13	12	13	13	13	14

Luminaire Report Summary

IESNA:LM-63-2002
[TEST] LM-79
[TESTLAB] Intertek Testing Services Hong Kong Ltd
[TESTDATE] 2/9/2016
[ISSUEDATE]
[MANUFAC]
[LUMCAT]
[LUMINAIRE] DRP-1420-30_001
[LAMPCAT]
[LAMP]

FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 37, HORIZONTAL ANGLES: 17
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: METRIC
FILE: BALLAST FACTOR: 1

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