

KICHLER

Filename: 10755WHLED-Photometric Report

Luminaire: DRP-1114-30_001

Lamp Output: Total luminaire Lumens: 1051.7

Max Candela: 270.3 at Horizontal: 22.5°, Vertical: 5°

Input Wattage: 14.831

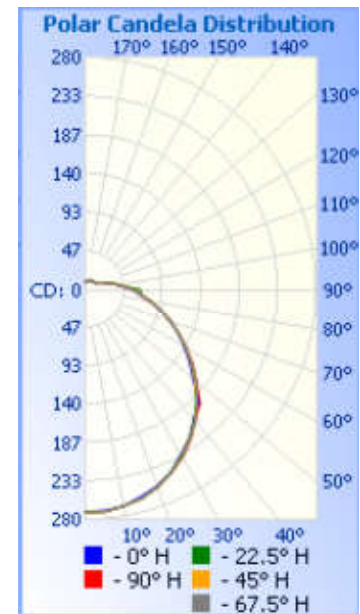
Luminous Opening: Point

Test: LM-79

Test Date: 4/9/2016

Test Lab: Intertek Testing Services Hong Kong Ltd

Photometry : Type C



Roadway Summary

Cutoff Classification:	NONCUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	66.3	
Max Cd, 80 to <90 Deg:	80.6	
	Lumens	% Lamp
Downward Street Side:	460.5	43.8%
Downward House Side:	450.9	42.9%
Downward Total:	911.4	86.7%
Upward Street Side:	71.0	6.8%
Upward House Side:	69.4	6.6%
Upward Total:	140.5	13.4%
Total Lumens:	1,051.9	100%

Flood Summary

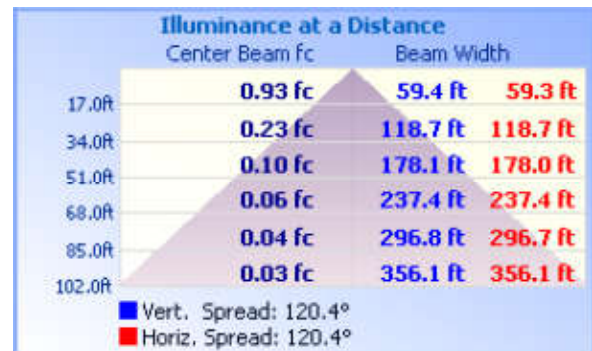
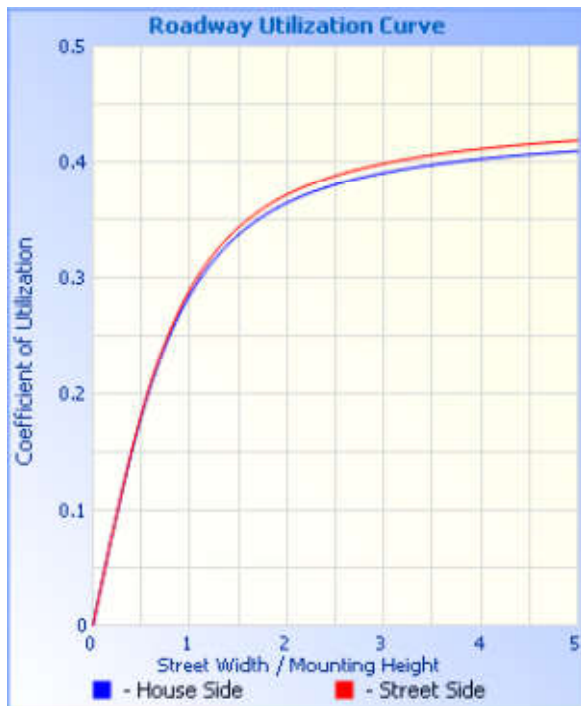
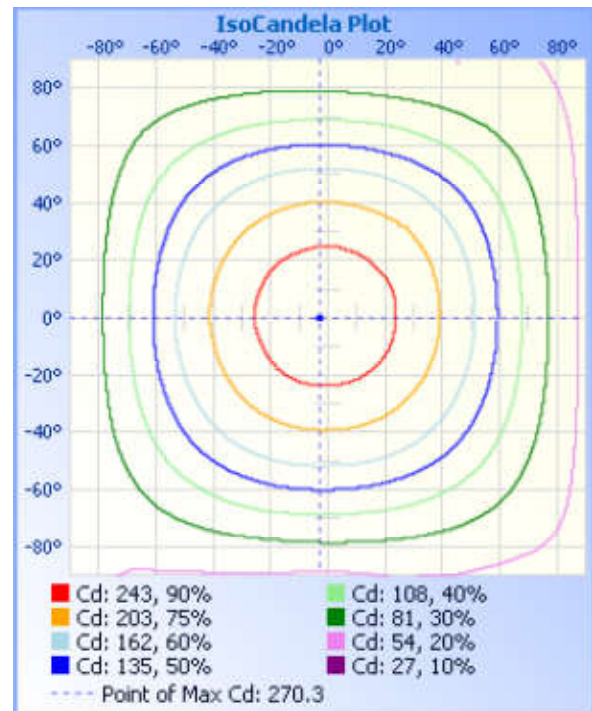
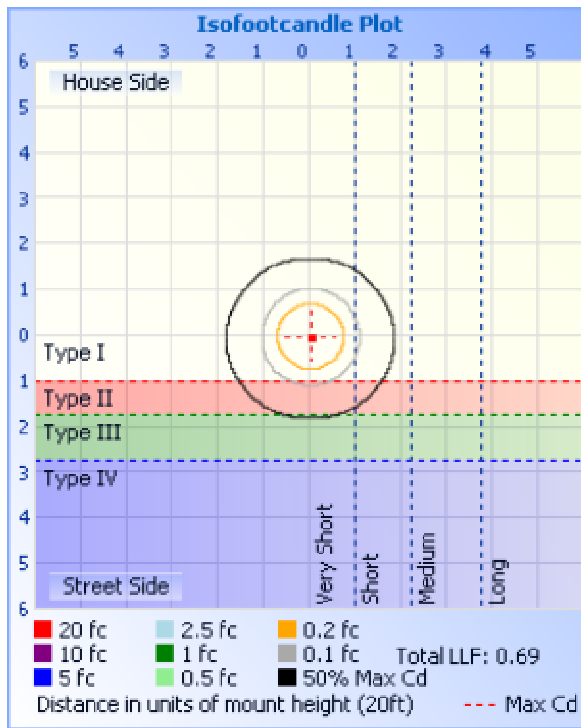
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	93.3%	981.2	n/a	215.2
Beam (50%):	59.8%	629.2	120.4	120.4
Total:	100%	1,051.9		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	210.4	20%
0-40	346.3	32.9%
0-60	626.8	59.6%
60-90	284.4	27%
70-100	214.1	20.4%
90-120	98.8	9.4%
0-90	911.2	86.6%
90-180	140.5	13.4%
0-180	1,051.7	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	25.5	2.4%	90-100	48.4	4.6%
10-20	73.3	7.0%	100-110	30.8	2.9%
20-30	111.7	10.6%	110-120	19.6	1.9%
30-40	135.9	12.9%	120-130	13.3	1.3%
40-50	143.9	13.7%	130-140	10.2	1%
50-60	136.5	13.0%	140-150	8.2	0.8%
60-70	118.7	11.3%	150-160	5.8	0.6%
70-80	95.2	9.1%	160-170	3.3	0.3%
80-90	70.5	6.7%	170-180	0.9	0.1%



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	.87	1.04	1.04	1.04	.96	.96	.96	.90	.90	.90	.87
1	1.03	.97	.92	.88	.99	.94	.89	.68	.87	.83	.80	.81	.78	.75	.75	.73	.70	.67
2	.93	.84	.76	.70	.89	.81	.74	.56	.75	.69	.64	.69	.65	.61	.65	.61	.57	.54
3	.84	.73	.64	.57	.81	.70	.62	.47	.65	.58	.53	.61	.55	.50	.56	.52	.48	.45

4	.77	.64	.55	.48	.73	.62	.53	.40	.58	.50	.45	.54	.48	.43	.50	.45	.41	.38
5	.71	.57	.48	.41	.67	.55	.46	.34	.51	.44	.38	.48	.42	.37	.45	.39	.35	.32
6	.65	.51	.42	.35	.62	.50	.41	.30	.46	.39	.33	.43	.37	.32	.41	.35	.31	.28
7	.60	.46	.37	.31	.58	.45	.36	.26	.42	.35	.29	.39	.33	.28	.37	.31	.27	.25
8	.56	.42	.33	.27	.54	.41	.33	.24	.38	.31	.26	.36	.30	.25	.34	.28	.24	.22
9	.52	.39	.30	.25	.50	.37	.30	.21	.35	.28	.23	.33	.27	.23	.31	.26	.22	.20
10	.49	.36	.28	.22	.47	.35	.27	.19	.33	.26	.21	.31	.25	.20	.29	.24	.20	.18

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	269	269	270	270	270	269	269	269	269	269	270	270	269	269	269	269	269
5	269	270	270	270	270	268	268	268	268	268	269	269	269	269	269	268	269
10	266	266	266	266	266	265	264	265	265	265	264	264	264	265	265	265	266
15	260	263	263	263	263	260	260	259	259	259	259	257	259	259	260	260	260
20	253	255	255	256	255	252	252	251	250	251	250	251	250	252	252	252	253
25	244	244	246	246	246	243	243	242	240	239	239	239	240	242	242	243	244
30	231	233	234	235	235	233	231	230	227	229	227	227	227	231	231	231	231
35	220	220	221	221	222	220	218	216	214	213	213	213	214	216	217	218	220
40	204	205	207	208	207	205	203	201	199	199	198	198	199	201	203	203	204
45	194	190	191	191	196	181	182	177	181	182	179	182	182	195	201	188	194
50	170	173	173	175	175	172	170	169	166	166	165	164	165	166	168	170	170
55	153	156	156	157	159	155	153	152	149	149	148	148	148	151	152	153	153
60	138	139	140	140	140	138	136	135	134	133	133	131	131	134	135	135	138
65	122	123	123	123	123	121	120	120	118	117	116	116	116	117	118	120	122
70	107	108	108	109	108	105	104	104	103	103	103	101	100	100	101	105	107
75	92	95	94	94	94	90	90	90	90	90	88	86	86	86	87	90	92
80	79	81	81	81	78	75	75	75	77	77	75	74	71	73	74	77	79
85	66	68	68	68	65	62	62	64	65	65	64	62	60	61	61	64	66
90	56	66	57	56	60	52	52	52	48	55	53	44	45	57	53	58	56
95	45	47	47	45	44	43	43	43	45	45	44	43	40	40	42	43	45
100	38	39	40	38	36	34	34	35	36	38	36	34	32	32	32	35	38
105	30	31	31	30	29	27	27	29	30	30	30	27	26	26	27	29	30
110	25	26	25	25	23	22	22	23	23	25	23	22	21	22	22	23	25
115	21	21	21	19	19	18	18	19	19	21	19	19	18	18	18	19	21
120	17	17	17	17	17	16	16	17	17	17	17	17	17	16	16	17	17
125	14	14	16	14	14	14	14	14	14	14	16	14	14	14	14	14	14
130	14	14	14	13	14	13	13	14	14	14	14	14	13	13	13	13	14
135	13	14	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
140	13	13	13	13	13	13	12	13	13	13	13	13	13	13	13	13	13
145	13	14	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
150	13	13	13	12	13	13	13	13	13	13	13	13	13	13	13	13	13
155	13	13	13	12	12	12	13	13	13	13	13	12	13	12	13	13	13
160	12	12	12	12	12	12	13	12	13	12	12	12	12	12	13	13	12
165	12	12	12	10	12	12	13	12	12	12	12	10	12	10	12	12	12
170	12	10	10	12	12	10	12	10	12	12	10	9	10	9	12	12	12
175	9	9	9	9	9	8	8	9	9	9	8	6	9	9	9	9	9
180	9	8	8	8	9	8	6	6	9	8	8	8	9	8	6	6	9

Luminaire Report Summary

IESNA:LM-63-2002
[TEST] LM-79
[TESTLAB] Intertek Testing Services Hong Kong Ltd
[TESTDATE] 4/9/2016
[ISSUE DATE]
[MANUFAC]
[LUMCAT]
[LUMINAIRE] DRP-1114-30_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.