

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P788199

Luminaire Tested: LER6D08D010-EC6DR150210IC9035-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788199
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D08D010-EC6DR150210IC9035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 774.6 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

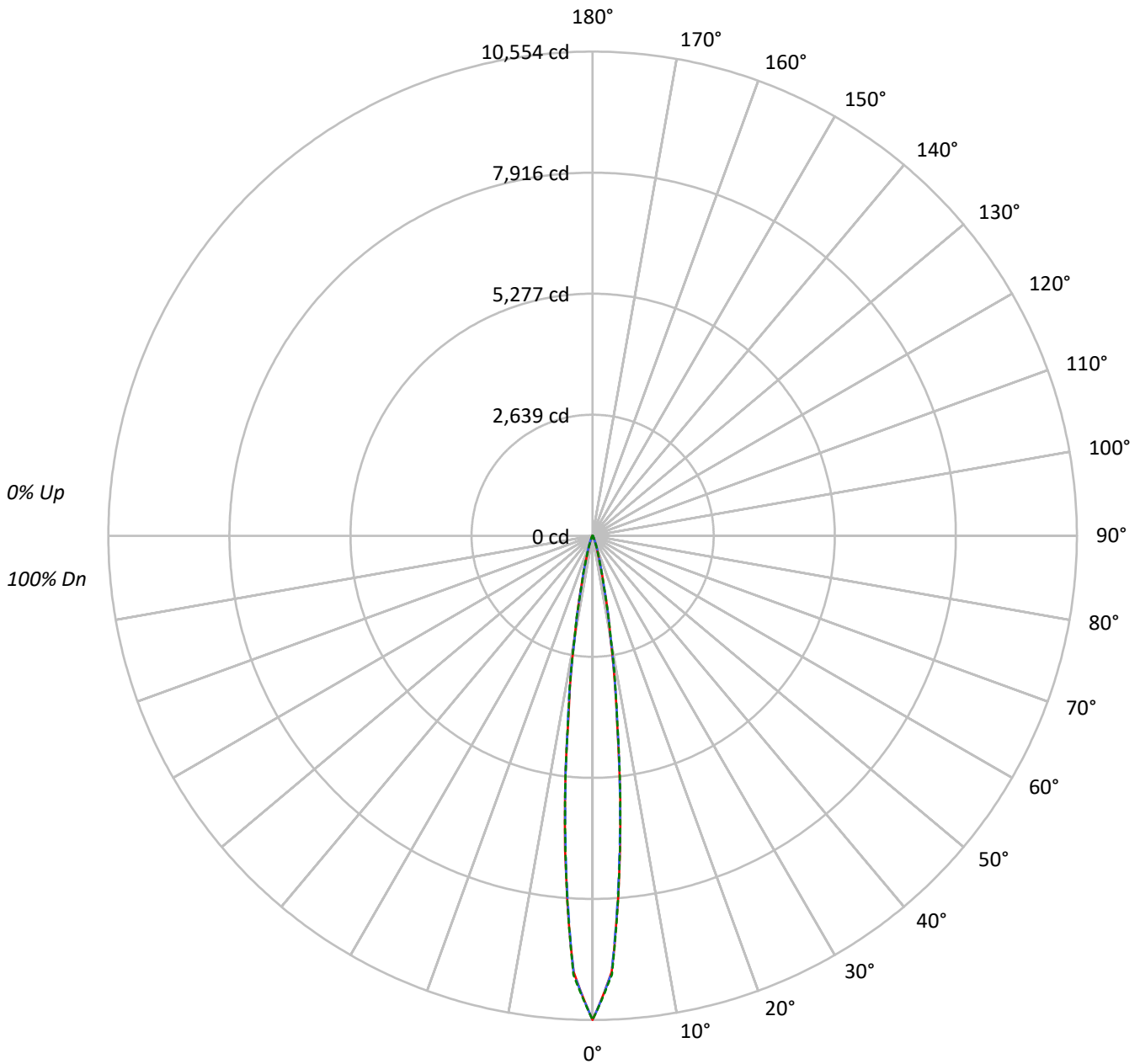


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1187524	1187524	1187524
5°	697845	688810	694258
10°	208272	209737	212947
15°	51810	52818	51185
20°	15497	17952	15833
25°	5461	6964	5531
30°	2007	2643	2044
35°	1009	1133	973
40°	632	696	632
45°	469	497	469
50°	375	375	375
55°	313	313	313
60°	253	253	253
65°	193	193	193
70°	161	161	161
75°	98	98	136
80°	71	71	71
85°	33	33	33

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 497 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	502.4	64.9
10°-20°	206.6	26.7
20°-30°	41.0	5.3
30°-40°	10.2	1.3
40°-50°	5.4	0.7
50°-60°	4.0	0.5
60°-70°	2.8	0.4
70°-80°	1.6	0.2
80°-90°	0.5	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	750.1	96.8
0°-40°	760.3	98.2
0°-60°	769.7	99.4
0°-90°	774.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	774.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10554	10554	10554	10554	10554	
5°	6867	6796	6778	6825	6831	501
15°	596	608	608	597	589	204
25°	70	80	89	79	71	37
35°	14	15	16	15	13	9
45°	7	7	7	7	7	5
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	1	1	1	1	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10553.9	10553.9	10553.9	10553.9	10553.9
2.5°	9520.0	9528.0	9531.2	9540.6	9575.4
5°	6866.6	6796.0	6777.7	6824.6	6831.3
7.5°	4067.5	4081.8	4134.1	4145.7	4103.7
10°	2232.1	2250.4	2247.8	2263.8	2282.2
12.5°	1141.5	1127.2	1122.8	1141.1	1115.6
15°	596.5	607.6	608.1	597.3	589.3
17.5°	320.8	333.7	355.2	337.8	311.0
20°	189.4	201.1	219.4	205.1	193.5
22.5°	117.1	126.4	139.4	128.2	118.8
25°	70.1	79.5	89.4	79.1	71.0
27.5°	41.6	49.6	55.8	49.1	41.1
30°	26.8	31.3	35.3	30.8	27.3
32.5°	18.8	20.6	22.3	20.6	18.8
35°	13.9	14.7	15.6	14.7	13.4
37.5°	10.7	11.6	12.1	11.2	10.3
40°	8.9	9.4	9.8	9.4	8.9
42.5°	7.6	8.0	8.0	8.0	7.6
45°	6.7	6.7	7.1	6.7	6.7
47.5°	5.8	5.8	6.3	5.8	5.8
50°	5.4	5.4	5.4	5.4	5.4
52.5°	4.9	4.9	4.9	4.9	4.9
55°	4.5	4.5	4.5	4.5	4.5
57.5°	4.0	4.0	4.0	4.0	4.0
60°	3.6	3.6	3.6	3.6	3.6
62.5°	3.1	3.1	3.1	3.1	3.1
65°	2.7	2.7	2.7	2.7	2.7
67.5°	2.7	2.7	2.7	2.7	2.7
70°	2.2	2.2	2.2	2.2	2.2
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.3	1.3	1.3	1.3	1.8
77.5°	1.3	1.3	1.3	1.3	1.3
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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