

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: P788217

Luminaire Tested: LER6D08D010-EC6DR150210IC9050-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788217
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-EC6DR150210IC9050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 883.8 lumens
Efficiency: N/A
Efficacy: 99.3 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

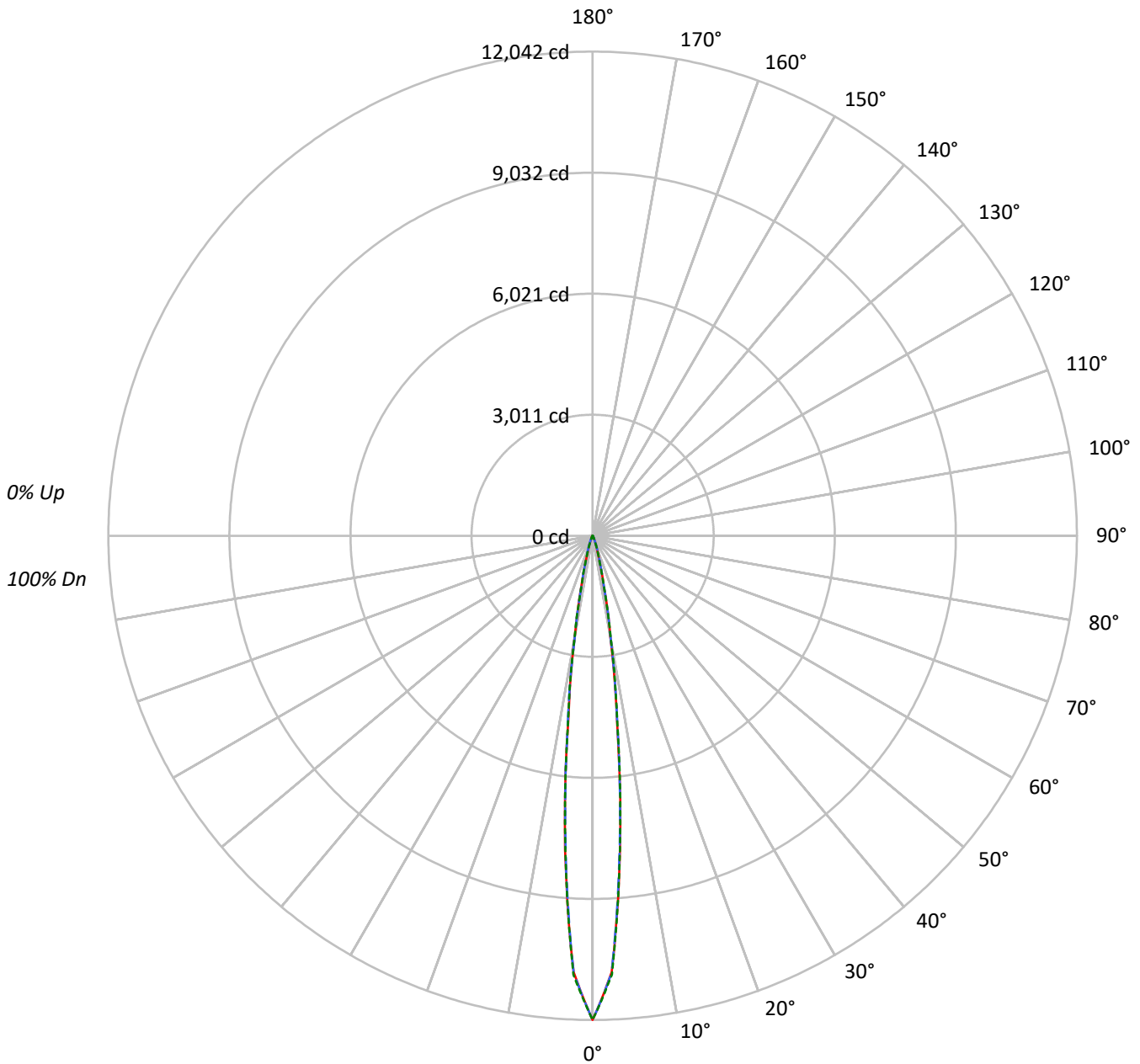


Downlight

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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°	1354988	1354988	1354988
5°	796252	785947	792167
10°	237645	239306	242973
15°	59115	60261	58403
20°	17690	20480	18058
25°	6232	7946	6318
30°	2291	3018	2329
35°	1147	1293	1111
40°	724	795	724
45°	532	574	532
50°	424	424	424
55°	355	355	355
60°	288	288	288
65°	221	221	221
70°	183	183	183
75°	113	113	151
80°	79	79	79
85°	42	42	42

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 574 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	573.2	64.9
10°-20°	235.8	26.7
20°-30°	46.8	5.3
30°-40°	11.7	1.3
40°-50°	6.1	0.7
50°-60°	4.6	0.5
60°-70°	3.2	0.4
70°-80°	1.8	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°	855.9	96.8
0°-40°	867.5	98.2
0°-60°	878.2	99.4
0°-90°	883.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	883.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12042	12042	12042	12042	12042	
5°	7835	7754	7734	7787	7795	572
15°	681	693	694	682	672	233
25°	80	91	102	90	81	42
35°	16	17	18	17	15	11
45°	8	8	8	8	8	6
55°	5	5	5	5	5	5
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12042.2	12042.2	12042.2	12042.2	12042.2
2.5°	10862.6	10871.8	10875.3	10886.0	10925.8
5°	7834.9	7754.4	7733.5	7787.0	7794.7
7.5°	4641.1	4657.4	4717.1	4730.3	4682.4
10°	2546.9	2567.8	2564.7	2583.1	2604.0
12.5°	1302.5	1286.2	1281.1	1302.0	1272.9
15°	680.6	693.3	693.8	681.6	672.4
17.5°	366.0	380.8	405.3	385.4	354.8
20°	216.2	229.4	250.3	234.0	220.7
22.5°	133.6	144.3	159.1	146.3	135.6
25°	80.0	90.7	102.0	90.2	81.1
27.5°	47.4	56.6	63.7	56.1	46.9
30°	30.6	35.7	40.3	35.2	31.1
32.5°	21.4	23.5	25.5	23.5	21.4
35°	15.8	16.8	17.8	16.8	15.3
37.5°	12.2	13.3	13.8	12.7	11.7
40°	10.2	10.7	11.2	10.7	10.2
42.5°	8.7	9.2	9.2	9.2	8.7
45°	7.6	7.6	8.2	7.6	7.6
47.5°	6.6	6.6	7.1	6.6	6.6
50°	6.1	6.1	6.1	6.1	6.1
52.5°	5.6	5.6	5.6	5.6	5.6
55°	5.1	5.1	5.1	5.1	5.1
57.5°	4.6	4.6	4.6	4.6	4.6
60°	4.1	4.1	4.1	4.1	4.1
62.5°	3.6	3.6	3.6	3.6	3.6
65°	3.1	3.1	3.1	3.1	3.1
67.5°	3.1	3.1	3.1	3.1	3.1
70°	2.5	2.5	2.5	2.5	2.5
72.5°	2.0	2.0	2.0	2.0	2.0
75°	1.5	1.5	1.5	1.5	2.0
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5
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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