

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: P788210

Luminaire Tested: LER6D08D010-EC6DR150210IC9040-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788210
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-EC6DR150210IC9040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 825.1 lumens
Efficiency: N/A
Efficacy: 92.7 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

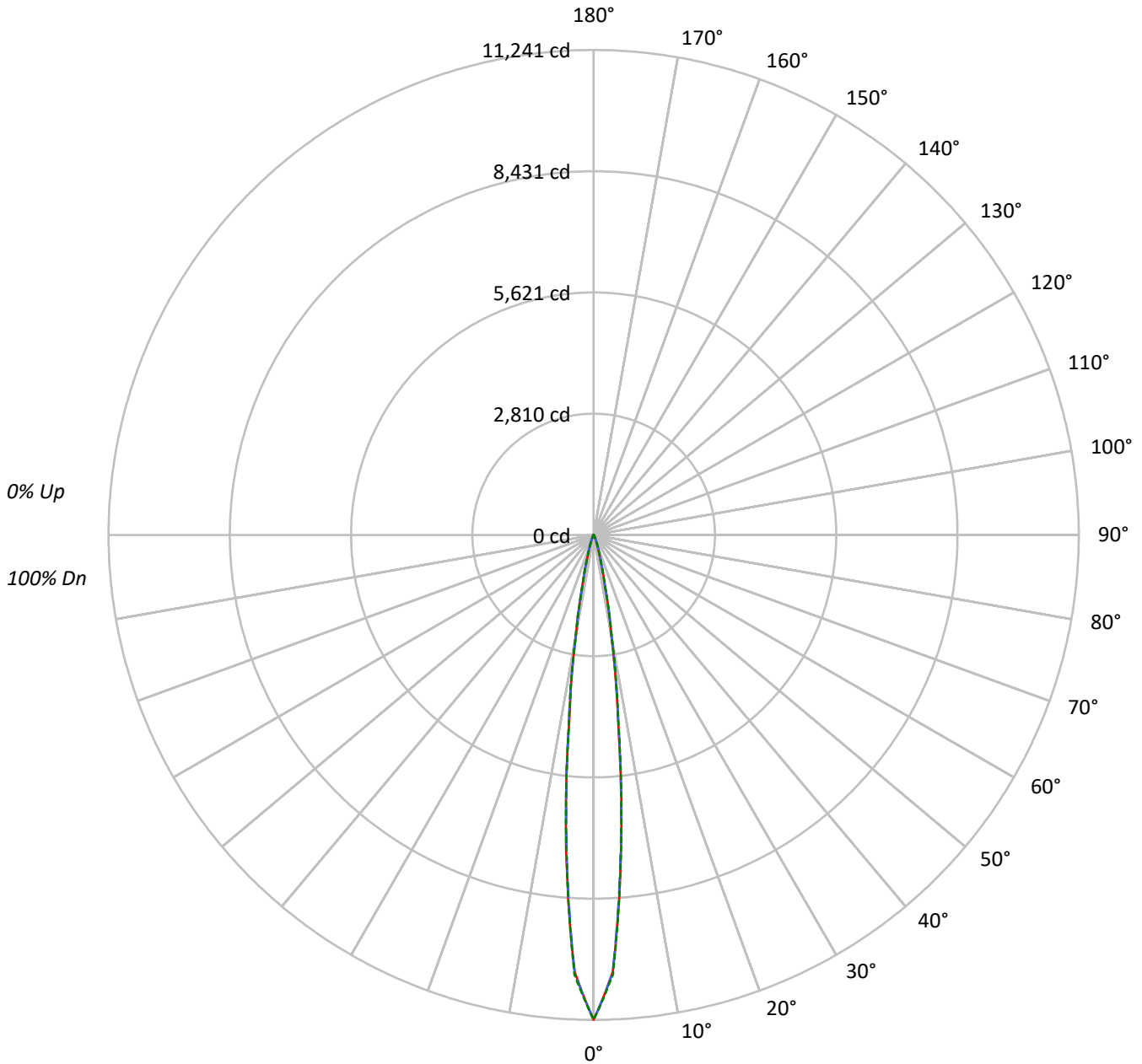


Downlight

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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	87	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°	1264814	1264814	1264814
5°	743263	733639	739442
10°	221829	223388	226803
15°	55180	56248	54520
20°	16512	19114	16855
25°	5819	7416	5897
30°	2142	2816	2172
35°	1075	1213	1038
40°	675	746	675
45°	497	532	497
50°	396	396	396
55°	334	334	334
60°	267	267	267
65°	207	207	207
70°	176	176	176
75°	106	106	144
80°	79	79	79
85°	42	42	42

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 532 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	535.1	64.9
10°-20°	220.1	26.7
20°-30°	43.7	5.3
30°-40°	10.9	1.3
40°-50°	5.7	0.7
50°-60°	4.3	0.5
60°-70°	3.0	0.4
70°-80°	1.7	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°	798.9	96.8
0°-40°	809.8	98.2
0°-60°	819.8	99.4
0°-90°	825.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	825.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11241	11241	11241	11241	11241	
5°	7314	7238	7219	7269	7276	534
15°	635	647	648	636	628	218
25°	75	85	95	84	76	39
35°	15	16	17	16	14	10
45°	7	7	8	7	7	6
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	1	1	1	1	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°	11240.8	11240.8	11240.8	11240.8	11240.8
2.5°	10139.7	10148.2	10151.6	10161.6	10198.7
5°	7313.5	7238.3	7218.8	7268.8	7275.9
7.5°	4332.3	4347.5	4403.2	4415.5	4370.8
10°	2377.4	2396.9	2394.1	2411.2	2430.7
12.5°	1215.8	1200.6	1195.8	1215.4	1188.2
15°	635.3	647.2	647.6	636.2	627.7
17.5°	341.7	355.5	378.3	359.8	331.2
20°	201.8	214.1	233.6	218.4	206.0
22.5°	124.7	134.7	148.5	136.6	126.6
25°	74.7	84.7	95.2	84.2	75.7
27.5°	44.3	52.8	59.5	52.3	43.8
30°	28.6	33.3	37.6	32.8	29.0
32.5°	20.0	21.9	23.8	21.9	20.0
35°	14.8	15.7	16.7	15.7	14.3
37.5°	11.4	12.4	12.8	11.9	10.9
40°	9.5	10.0	10.5	10.0	9.5
42.5°	8.1	8.6	8.6	8.6	8.1
45°	7.1	7.1	7.6	7.1	7.1
47.5°	6.2	6.2	6.7	6.2	6.2
50°	5.7	5.7	5.7	5.7	5.7
52.5°	5.2	5.2	5.2	5.2	5.2
55°	4.8	4.8	4.8	4.8	4.8
57.5°	4.3	4.3	4.3	4.3	4.3
60°	3.8	3.8	3.8	3.8	3.8
62.5°	3.3	3.3	3.3	3.3	3.3
65°	2.9	2.9	2.9	2.9	2.9
67.5°	2.9	2.9	2.9	2.9	2.9
70°	2.4	2.4	2.4	2.4	2.4
72.5°	1.9	1.9	1.9	1.9	1.9
75°	1.4	1.4	1.4	1.4	1.9
77.5°	1.4	1.4	1.4	1.4	1.4
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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