

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: P788186

Luminaire Tested: LER6D08D010-EC6DR150210IC9027-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788186
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-EC6DR150210IC9027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 736.4 lumens
Efficiency: N/A
Efficacy: 82.7 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

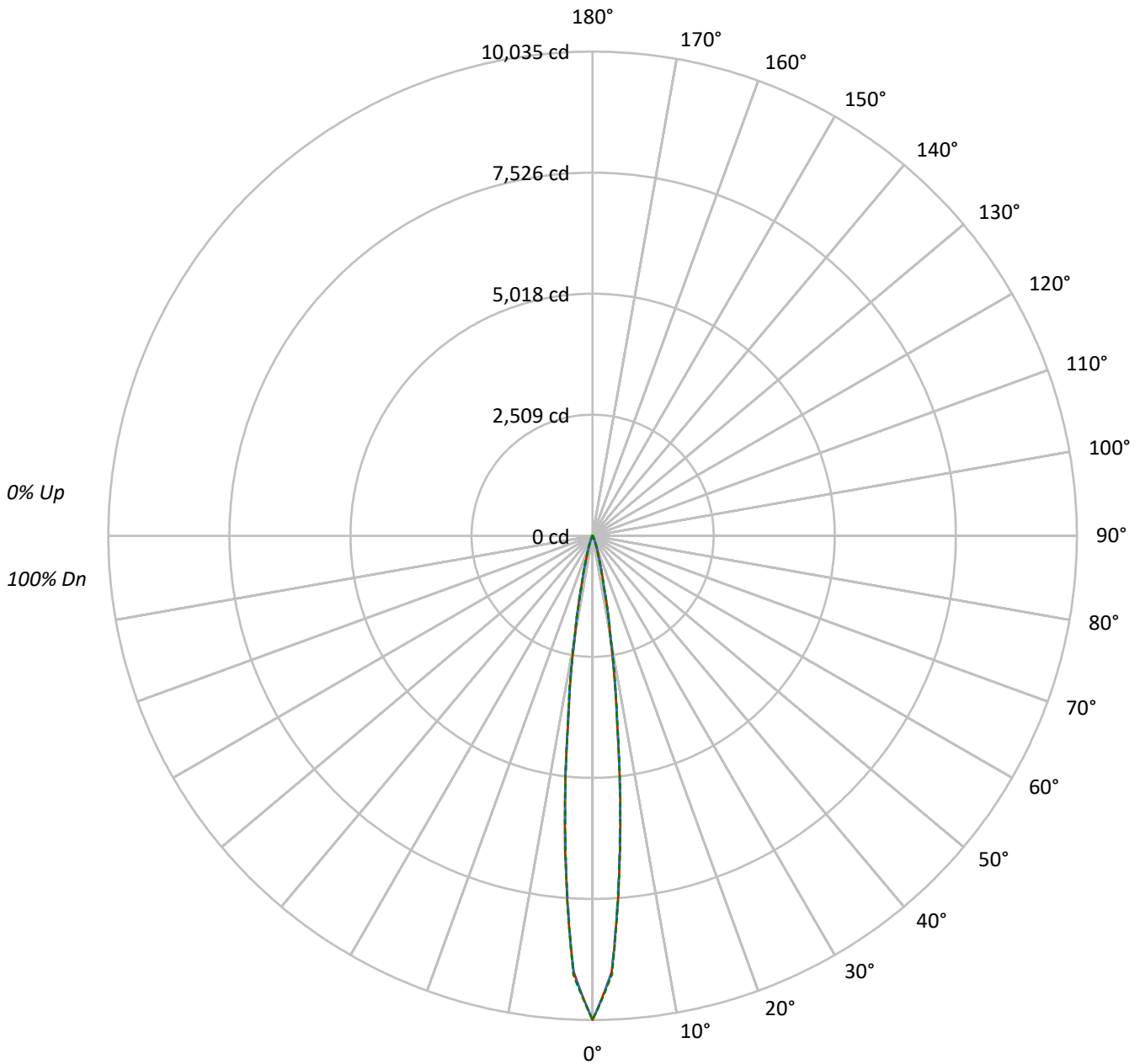


Downlight

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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	99	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	99	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°	1129115	1129115	1129115
5°	663525	654927	660110
10°	198027	199417	202468
15°	49257	50221	48666
20°	14736	17068	15047
25°	5196	6622	5258
30°	1909	2516	1939
35°	959	1082	922
40°	604	660	604
45°	448	476	448
50°	355	355	355
55°	292	292	292
60°	239	239	239
65°	178	178	178
70°	154	154	154
75°	98	98	128
80°	63	63	63
85°	33	33	33

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 476 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.7	64.9
10°-20°	196.5	26.7
20°-30°	39.0	5.3
30°-40°	9.7	1.3
40°-50°	5.1	0.7
50°-60°	3.8	0.5
60°-70°	2.7	0.4
70°-80°	1.5	0.2
80°-90°	0.4	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°	713.2	96.8
0°-40°	722.9	98.2
0°-60°	731.8	99.4
0°-90°	736.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	736.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10035	10035	10035	10035	10035	
5°	6529	6462	6444	6489	6495	477
15°	567	578	578	568	560	194
25°	67	76	85	75	68	35
35°	13	14	15	14	13	9
45°	6	6	7	6	6	5
55°	4	4	4	4	4	4
65°	2	2	2	2	2	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°	10034.8	10034.8	10034.8	10034.8	10034.8
2.5°	9051.8	9059.4	9062.4	9071.3	9104.5
5°	6528.9	6461.7	6444.3	6488.9	6495.3
7.5°	3867.4	3881.0	3930.7	3941.8	3901.8
10°	2122.3	2139.8	2137.2	2152.5	2169.9
12.5°	1085.4	1071.8	1067.5	1085.0	1060.7
15°	567.1	577.7	578.2	568.0	560.3
17.5°	305.0	317.3	337.7	321.2	295.7
20°	180.1	191.2	208.6	195.0	183.9
22.5°	111.3	120.2	132.5	121.9	113.0
25°	66.7	75.6	85.0	75.2	67.5
27.5°	39.5	47.2	53.1	46.7	39.1
30°	25.5	29.7	33.6	29.3	25.9
32.5°	17.8	19.5	21.2	19.5	17.8
35°	13.2	14.0	14.9	14.0	12.7
37.5°	10.2	11.0	11.5	10.6	9.8
40°	8.5	8.9	9.3	8.9	8.5
42.5°	7.2	7.6	7.6	7.6	7.2
45°	6.4	6.4	6.8	6.4	6.4
47.5°	5.5	5.5	5.9	5.5	5.5
50°	5.1	5.1	5.1	5.1	5.1
52.5°	4.7	4.7	4.7	4.7	4.7
55°	4.2	4.2	4.2	4.2	4.2
57.5°	3.8	3.8	3.8	3.8	3.8
60°	3.4	3.4	3.4	3.4	3.4
62.5°	3.0	3.0	3.0	3.0	3.0
65°	2.5	2.5	2.5	2.5	2.5
67.5°	2.5	2.5	2.5	2.5	2.5
70°	2.1	2.1	2.1	2.1	2.1
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.3	1.3	1.3	1.3	1.7
77.5°	1.3	1.3	1.3	1.3	1.3
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8
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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