

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: P786375

Luminaire Tested: LERS6D10D010-EC6DR300210IC9030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786375
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LERS6D10D010-EC6DR300210IC9030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1772.4 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
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

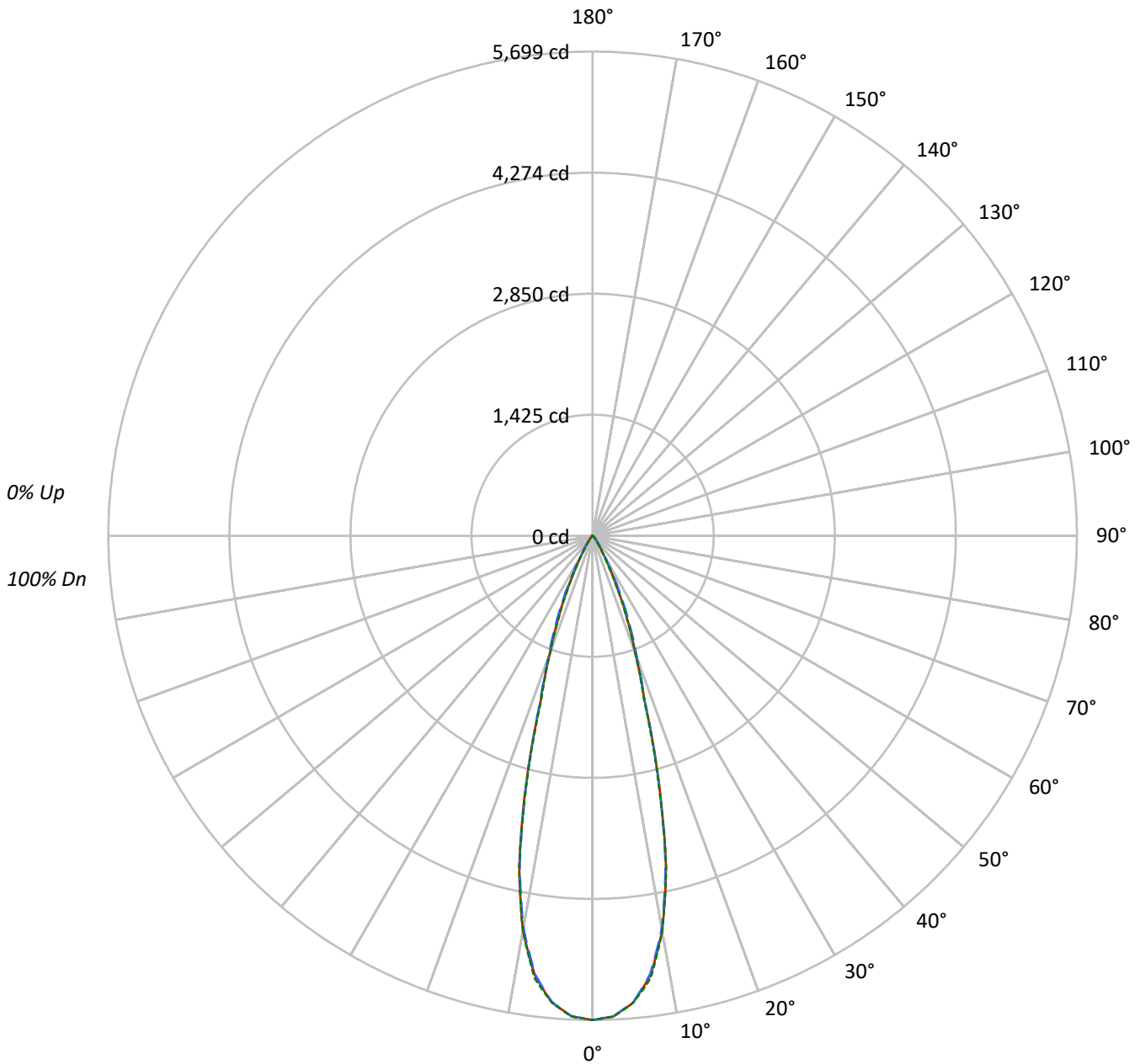


Downlight

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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	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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	436244	436244	436244
5°	423719	423227	423742
10°	367006	364418	366920
15°	239450	238167	236970
20°	119072	123536	118909
25°	59981	67633	58748
30°	24014	26162	20921
35°	11138	10671	8942
40°	4806	5336	4526
45°	3388	4211	3421
50°	1167	3060	1238
55°	667	1268	707
60°	475	551	475
65°	308	308	308
70°	179	134	179
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 4211 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.2	28.3
10°-20°	807.1	45.5
20°-30°	348.8	19.7
30°-40°	79.5	4.5
40°-50°	27.3	1.5
50°-60°	6.7	0.4
60°-70°	1.7	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
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°	1657.1	93.5
0°-40°	1736.6	98.0
0°-60°	1770.5	99.9
0°-90°	1772.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1772.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5699	5699	5699	5699	5699	
5°	5515	5509	5508	5520	5515	502
15°	3022	2985	3006	2996	2990	809
25°	710	737	801	718	696	340
35°	119	122	114	113	96	81
45°	31	39	39	39	32	22
55°	5	5	10	6	5	5
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
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°	5699.3	5699.3	5699.3	5699.3	5699.3
2.5°	5661.5	5657.6	5659.9	5662.7	5663.8
5°	5514.6	5509.3	5508.2	5519.7	5514.9
7.5°	5218.3	5210.8	5199.3	5225.3	5249.7
10°	4721.9	4713.5	4688.6	4700.9	4720.8
12.5°	3989.1	3961.9	3961.4	4000.6	3995.2
15°	3021.7	2985.4	3005.5	2995.7	2990.4
17.5°	2032.0	2018.0	2044.9	2036.8	2001.8
20°	1461.8	1465.4	1516.6	1490.9	1459.8
22.5°	1066.7	1079.8	1140.5	1074.2	1049.9
25°	710.2	737.0	800.8	718.3	695.6
27.5°	436.8	449.1	513.7	431.2	418.9
30°	271.7	265.5	296.0	254.1	236.7
32.5°	178.2	170.4	180.2	161.7	147.7
35°	119.2	121.7	114.2	113.3	95.7
37.5°	74.4	85.6	75.6	80.6	61.6
40°	48.1	62.1	53.4	59.0	45.3
42.5°	39.5	47.8	43.9	46.7	40.3
45°	31.3	38.9	38.9	38.9	31.6
47.5°	17.3	26.0	33.3	26.6	18.5
50°	9.8	13.2	25.7	13.7	10.4
52.5°	6.7	7.6	17.6	7.8	7.0
55°	5.0	5.3	9.5	5.6	5.3
57.5°	3.9	4.2	5.0	4.2	3.9
60°	3.1	3.1	3.6	3.4	3.1
62.5°	2.2	2.2	2.5	2.2	2.2
65°	1.7	1.7	1.7	1.7	1.7
67.5°	0.8	1.1	1.1	1.1	1.1
70°	0.8	0.6	0.6	0.6	0.8
72.5°	0.6	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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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