

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: P793746

Luminaire Tested: LER6D55D010-EC6DR3055659030-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793746
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: LER6D55D010-EC6DR3055659030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 5672.0 lumens
Efficiency: N/A
Efficacy: 97.5 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): 58.2
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

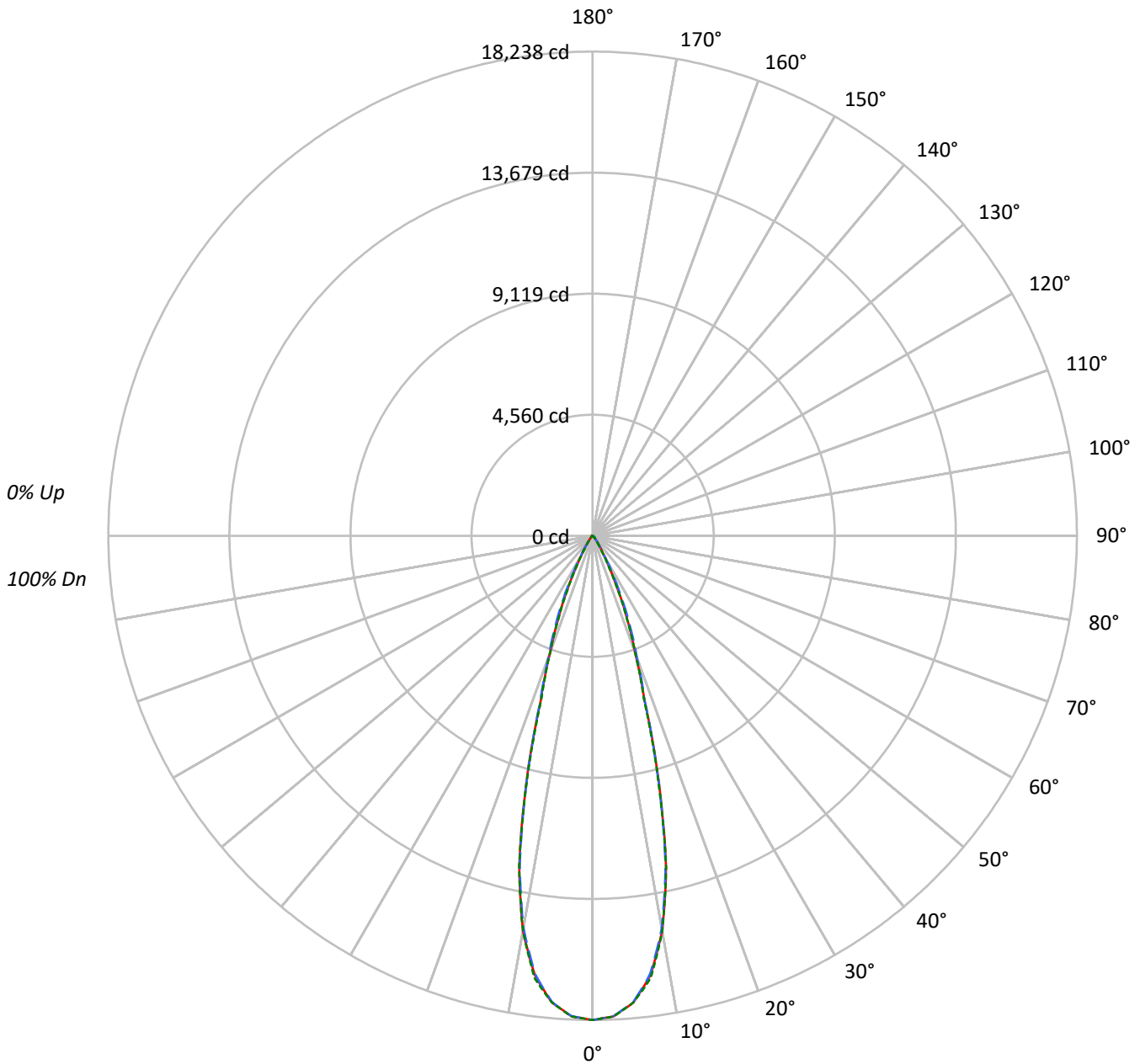


Downlight

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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						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1396006	1396006	1396006
5°	1355929	1354346	1355998
10°	1174444	1166158	1174164
15°	766261	762149	758313
20°	381026	395321	380521
25°	191935	216436	188000
30°	76850	83736	66951
35°	35648	34134	28612
40°	15388	17086	14498
45°	10857	13477	10955
50°	3727	9812	3942
55°	2149	4057	2269
60°	1500	1776	1500
65°	978	978	978
70°	604	403	604
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 13477 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1603.8	28.3
10°-20°	2582.9	45.5
20°-30°	1116.1	19.7
30°-40°	254.4	4.5
40°-50°	87.4	1.5
50°-60°	21.3	0.4
60°-70°	5.5	0.1
70°-80°	0.6	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°	5302.8	93.5
0°-40°	5557.2	98.0
0°-60°	5665.8	99.9
0°-90°	5672.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5672.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18238	18238	18238	18238	18238	
5°	17647	17630	17626	17663	17648	1605
15°	9670	9553	9618	9586	9569	2589
25°	2273	2359	2563	2299	2226	1088
35°	382	390	365	363	306	259
45°	100	124	124	124	101	71
55°	16	17	30	18	17	16
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18238.1	18238.1	18238.1	18238.1	18238.1
2.5°	18117.2	18104.7	18111.8	18120.8	18124.4
5°	17647.1	17630.1	17626.5	17663.2	17648.0
7.5°	16698.9	16674.7	16638.0	16721.2	16799.1
10°	15110.4	15083.5	15003.8	15043.2	15106.8
12.5°	12765.2	12678.4	12676.6	12801.9	12784.9
15°	9669.7	9553.3	9617.8	9586.5	9569.4
17.5°	6502.6	6457.8	6543.8	6517.8	6405.9
20°	4677.7	4689.4	4853.2	4770.8	4671.5
22.5°	3413.4	3455.5	3649.8	3437.6	3359.6
25°	2272.6	2358.6	2562.7	2298.6	2226.0
27.5°	1397.8	1437.2	1644.0	1379.9	1340.5
30°	869.5	849.8	947.4	813.0	757.5
32.5°	570.4	545.3	576.7	517.6	472.8
35°	381.5	389.5	365.3	362.6	306.2
37.5°	238.2	274.0	241.8	257.9	197.0
40°	154.0	198.8	171.0	188.9	145.1
42.5°	126.3	153.1	140.6	149.5	128.9
45°	100.3	124.5	124.5	124.5	101.2
47.5°	55.5	83.3	106.6	85.1	59.1
50°	31.3	42.1	82.4	43.9	33.1
52.5°	21.5	24.2	56.4	25.1	22.4
55°	16.1	17.0	30.4	17.9	17.0
57.5°	12.5	13.4	16.1	13.4	12.5
60°	9.8	9.8	11.6	10.7	9.8
62.5°	7.2	7.2	8.1	7.2	7.2
65°	5.4	5.4	5.4	5.4	5.4
67.5°	2.7	3.6	3.6	3.6	3.6
70°	2.7	1.8	1.8	1.8	2.7
72.5°	1.8	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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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