

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P793747

Luminaire Tested: LER6D55D010-EC6DR3055659030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793747
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-EC6DR3055659030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6275.1 lumens
Efficiency: N/A
Efficacy: 107.8 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

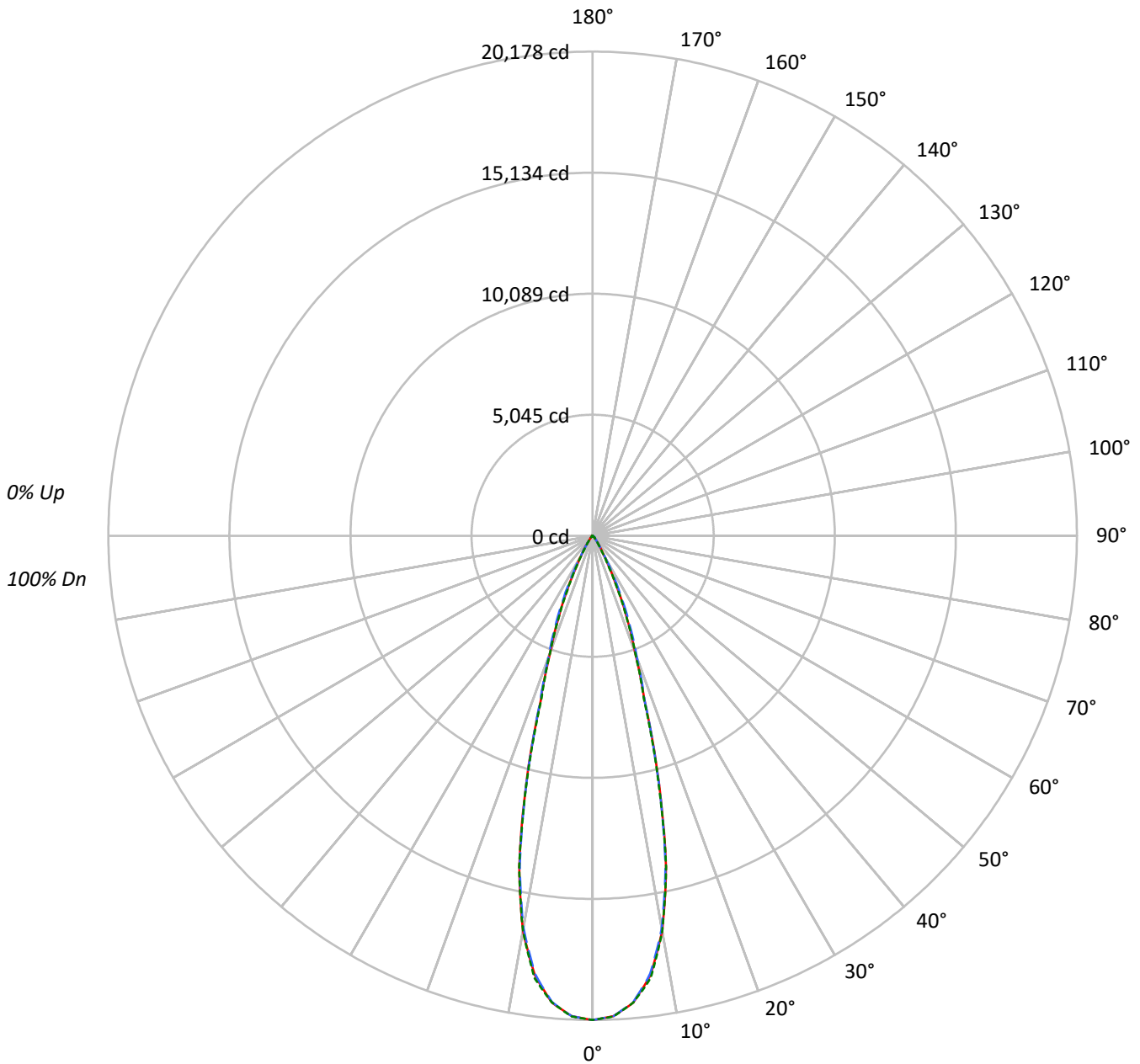


Downlight

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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°	1544470	1544470	1544470
5°	1500134	1498382	1500211
10°	1299339	1290175	1299036
15°	847755	843199	838959
20°	421550	437369	420988
25°	212348	239459	207999
30°	85017	92636	74075
35°	39433	37769	31658
40°	17026	18905	16037
45°	12016	14906	12113
50°	4132	10848	4370
55°	2375	4497	2509
60°	1669	1975	1669
65°	1069	1069	1069
70°	671	448	671
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14906 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1774.3	28.3
10°-20°	2857.6	45.5
20°-30°	1234.8	19.7
30°-40°	281.4	4.5
40°-50°	96.6	1.5
50°-60°	23.6	0.4
60°-70°	6.1	0.1
70°-80°	0.7	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°	5866.7	93.5
0°-40°	6148.1	98.0
0°-60°	6268.4	99.9
0°-90°	6275.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6275.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20178	20178	20178	20178	20178	
5°	19524	19505	19501	19542	19525	1776
15°	10698	10569	10641	10606	10587	2865
25°	2514	2609	2835	2543	2463	1204
35°	422	431	404	401	339	286
45°	111	138	138	138	112	79
55°	18	19	34	20	19	17
65°	6	6	6	6	6	6
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°	20177.7	20177.7	20177.7	20177.7	20177.7
2.5°	20044.0	20030.1	20038.0	20047.9	20051.9
5°	19523.9	19505.0	19501.1	19541.7	19524.9
7.5°	18474.8	18448.0	18407.4	18499.5	18585.7
10°	16717.3	16687.6	16599.4	16643.0	16713.4
12.5°	14122.8	14026.7	14024.7	14163.4	14144.6
15°	10698.1	10569.3	10640.6	10606.0	10587.1
17.5°	7194.1	7144.6	7239.7	7211.0	7087.2
20°	5175.2	5188.1	5369.4	5278.2	5168.3
22.5°	3776.4	3822.9	4037.9	3803.1	3716.9
25°	2514.3	2609.4	2835.3	2543.0	2462.8
27.5°	1546.4	1590.0	1818.8	1526.6	1483.0
30°	961.9	940.1	1048.1	899.5	838.1
32.5°	631.0	603.3	638.0	572.6	523.1
35°	422.0	430.9	404.2	401.2	338.8
37.5°	263.5	303.1	267.5	285.3	217.9
40°	170.4	219.9	189.2	209.0	160.5
42.5°	139.7	169.4	155.5	165.4	142.7
45°	111.0	137.7	137.7	137.7	111.9
47.5°	61.4	92.1	117.9	94.1	65.4
50°	34.7	46.6	91.1	48.5	36.7
52.5°	23.8	26.7	62.4	27.7	24.8
55°	17.8	18.8	33.7	19.8	18.8
57.5°	13.9	14.9	17.8	14.9	13.9
60°	10.9	10.9	12.9	11.9	10.9
62.5°	7.9	7.9	8.9	7.9	7.9
65°	5.9	5.9	5.9	5.9	5.9
67.5°	3.0	4.0	4.0	4.0	4.0
70°	3.0	2.0	2.0	2.0	3.0
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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