

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: P790773

Luminaire Tested: LER6D25D010-EC6DR3020359030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790773
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: LER6D25D010-EC6DR3020359030-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5341.6 lumens
Efficiency: N/A
Efficacy: 212.8 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): 25.1
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

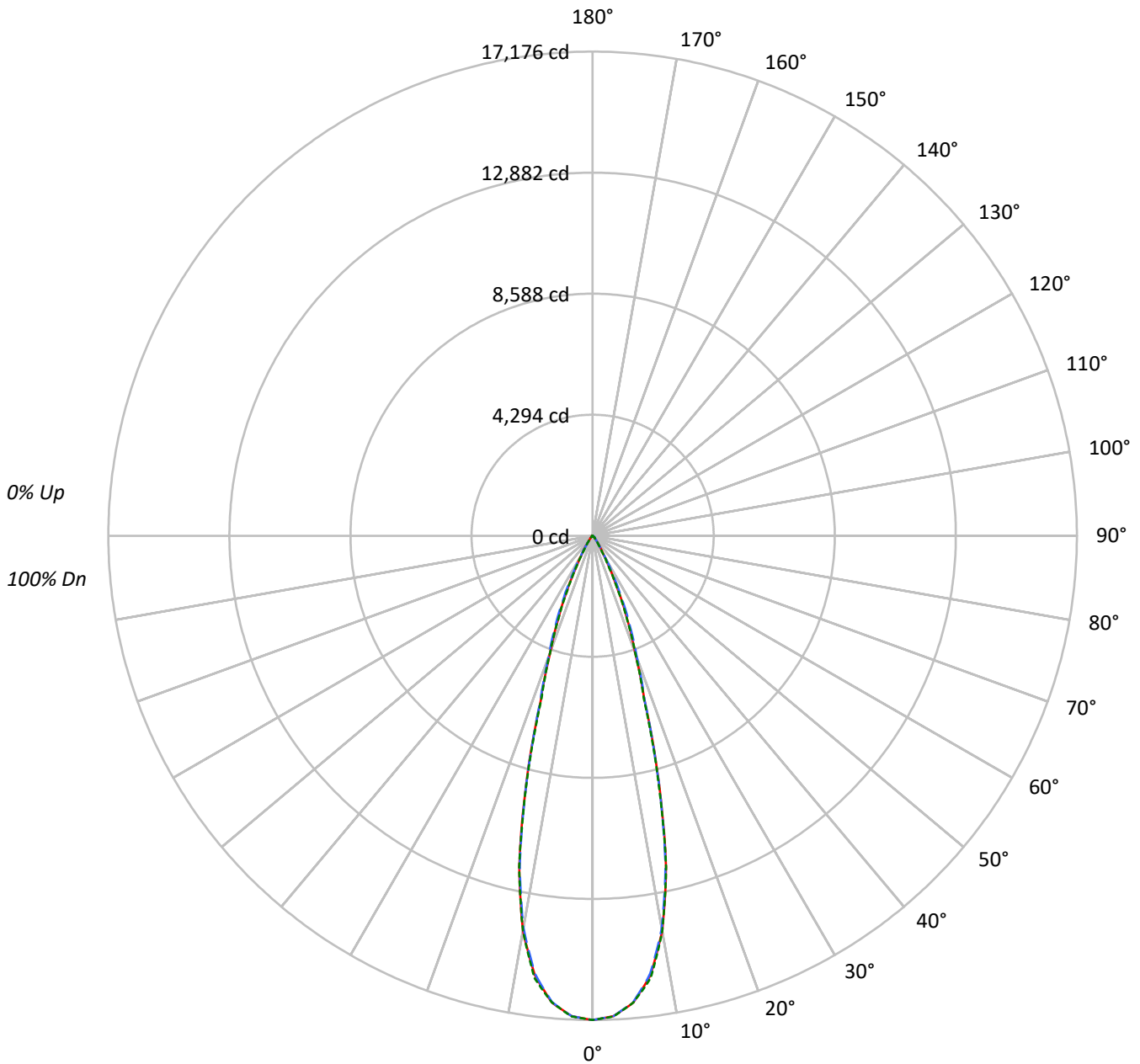


Downlight

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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°	1314694	1314694	1314694
5°	1276949	1275459	1277011
10°	1106031	1098235	1105767
15°	721631	717756	714143
20°	358837	372294	358348
25°	180753	203827	177054
30°	72369	78857	63054
35°	33564	32153	26949
40°	14488	16097	13649
45°	10219	12687	10316
50°	3513	9241	3715
55°	2028	3830	2135
60°	1424	1684	1424
65°	924	924	924
70°	559	380	559
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 12687 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1510.3	28.3
10°-20°	2432.4	45.5
20°-30°	1051.1	19.7
30°-40°	239.6	4.5
40°-50°	82.2	1.5
50°-60°	20.1	0.4
60°-70°	5.2	0.1
70°-80°	0.5	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°	4993.9	93.5
0°-40°	5233.5	98.0
0°-60°	5335.8	99.9
0°-90°	5341.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5341.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17176	17176	17176	17176	17176	
5°	16619	16603	16600	16634	16620	1512
15°	9106	8997	9058	9028	9012	2438
25°	2140	2221	2413	2165	2096	1024
35°	359	367	344	342	288	244
45°	94	117	117	117	95	67
55°	15	16	29	17	16	15
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°	17175.8	17175.8	17175.8	17175.8	17175.8
2.5°	17061.9	17050.1	17056.9	17065.3	17068.7
5°	16619.2	16603.2	16599.8	16634.4	16620.0
7.5°	15726.2	15703.4	15668.8	15747.3	15820.6
10°	14230.2	14204.9	14129.9	14167.0	14226.8
12.5°	12021.7	11939.9	11938.2	12056.3	12040.2
15°	9106.5	8996.9	9057.6	9028.1	9012.0
17.5°	6123.8	6081.7	6162.6	6138.2	6032.8
20°	4405.3	4416.2	4570.5	4493.0	4399.3
22.5°	3214.6	3254.2	3437.2	3237.3	3164.0
25°	2140.2	2221.2	2413.4	2164.7	2096.4
27.5°	1316.3	1353.5	1548.2	1299.5	1262.4
30°	818.8	800.3	892.2	765.7	713.4
32.5°	537.2	513.6	543.1	487.4	445.2
35°	359.2	366.8	344.1	341.5	288.4
37.5°	224.3	258.0	227.7	242.9	185.5
40°	145.0	187.2	161.1	177.9	136.6
42.5°	118.9	144.2	132.4	140.8	121.4
45°	94.4	117.2	117.2	117.2	95.3
47.5°	52.3	78.4	100.3	80.1	55.7
50°	29.5	39.6	77.6	41.3	31.2
52.5°	20.2	22.8	53.1	23.6	21.1
55°	15.2	16.0	28.7	16.9	16.0
57.5°	11.8	12.6	15.2	12.6	11.8
60°	9.3	9.3	11.0	10.1	9.3
62.5°	6.7	6.7	7.6	6.7	6.7
65°	5.1	5.1	5.1	5.1	5.1
67.5°	2.5	3.4	3.4	3.4	3.4
70°	2.5	1.7	1.7	1.7	2.5
72.5°	1.7	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	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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