

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: P794693

Luminaire Tested: LER6D65D010-EC6DR3055659024-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794693
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: LER6D65D010-EC6DR3055659024-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7323.7 lumens
Efficiency: N/A
Efficacy: 100.6 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): 72.8
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

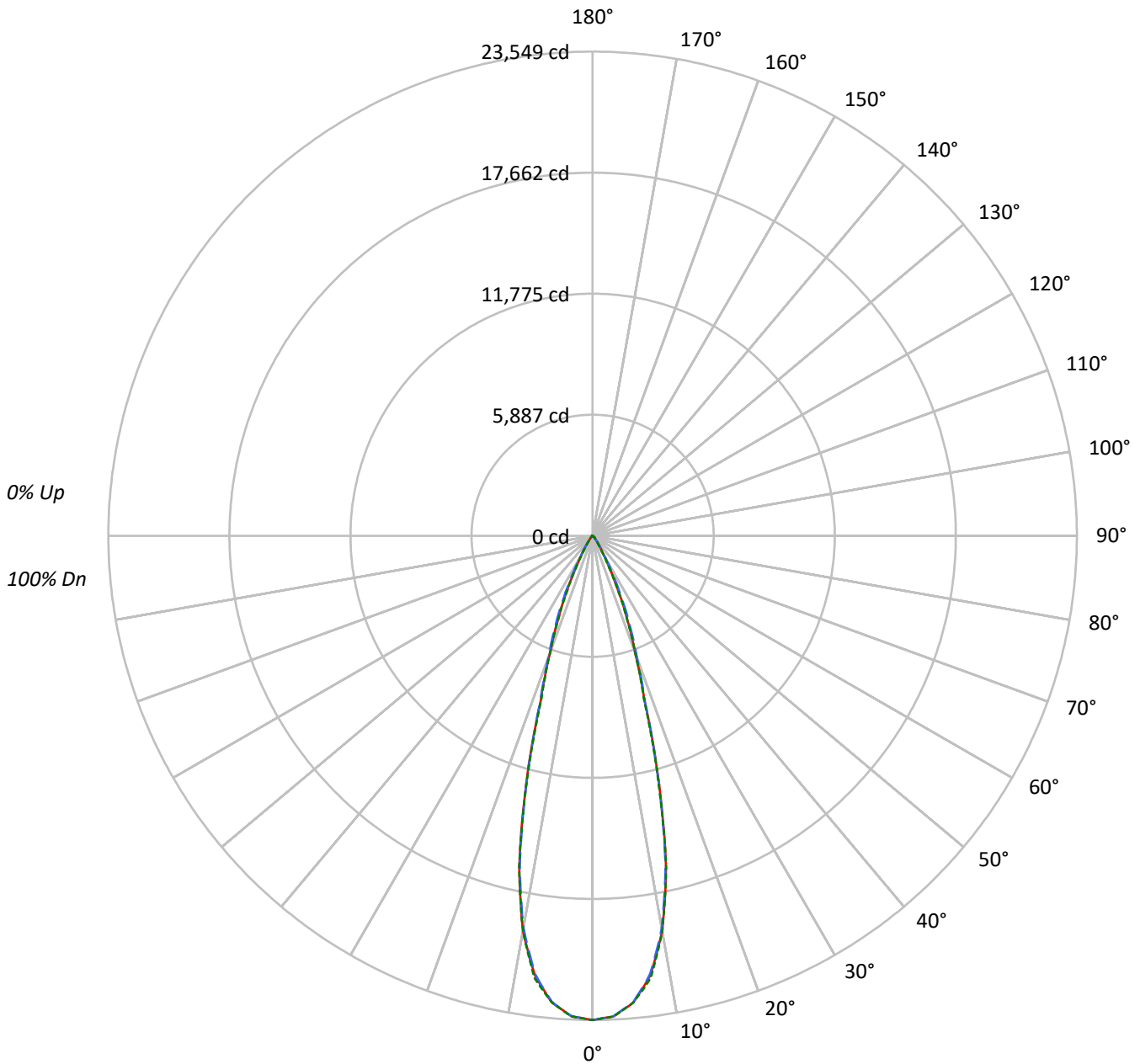


Downlight

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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	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°	1802536	1802536	1802536
5°	1750795	1748752	1750880
10°	1516454	1505759	1516096
15°	989411	984094	979149
20°	491985	510443	491325
25°	247829	279466	242753
30°	99230	108112	86449
35°	46020	44077	36947
40°	19874	22062	18715
45°	14018	17396	14137
50°	4823	12670	5097
55°	2776	5245	2936
60°	1944	2296	1944
65°	1250	1250	1250
70°	783	515	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 17396 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2070.8	28.3
10°-20°	3335.0	45.5
20°-30°	1441.2	19.7
30°-40°	328.5	4.5
40°-50°	112.8	1.5
50°-60°	27.5	0.4
60°-70°	7.1	0.1
70°-80°	0.8	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°	6847.0	93.5
0°-40°	7175.5	98.0
0°-60°	7315.8	99.9
0°-90°	7323.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7323.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23549	23549	23549	23549	23549	
5°	22786	22764	22760	22807	22787	2073
15°	12486	12335	12419	12378	12356	3343
25°	2934	3045	3309	2968	2874	1405
35°	492	503	472	468	395	334
45°	130	161	161	161	131	92
55°	21	22	39	23	22	20
65°	7	7	7	7	7	7
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°	23549.2	23549.2	23549.2	23549.2	23549.2
2.5°	23393.2	23377.0	23386.2	23397.8	23402.4
5°	22786.2	22764.2	22759.6	22807.0	22787.3
7.5°	21561.8	21530.5	21483.1	21590.7	21691.3
10°	19510.7	19476.0	19373.1	19424.0	19506.1
12.5°	16482.6	16370.5	16368.2	16530.0	16508.1
15°	12485.7	12335.4	12418.6	12378.2	12356.2
17.5°	8396.2	8338.4	8449.4	8415.9	8271.4
20°	6039.9	6055.0	6266.5	6160.2	6031.8
22.5°	4407.4	4461.7	4712.6	4438.6	4338.0
25°	2934.4	3045.4	3309.0	2967.9	2874.3
27.5°	1804.8	1855.7	2122.8	1781.7	1730.8
30°	1122.7	1097.2	1223.2	1049.8	978.1
32.5°	736.5	704.1	744.6	668.3	610.5
35°	492.5	502.9	471.7	468.3	395.4
37.5°	307.5	353.8	312.2	333.0	254.4
40°	198.9	256.7	220.8	244.0	187.3
42.5°	163.0	197.7	181.5	193.1	166.5
45°	129.5	160.7	160.7	160.7	130.6
47.5°	71.7	107.5	137.6	109.8	76.3
50°	40.5	54.3	106.4	56.7	42.8
52.5°	27.7	31.2	72.8	32.4	28.9
55°	20.8	22.0	39.3	23.1	22.0
57.5°	16.2	17.3	20.8	17.3	16.2
60°	12.7	12.7	15.0	13.9	12.7
62.5°	9.2	9.2	10.4	9.2	9.2
65°	6.9	6.9	6.9	6.9	6.9
67.5°	3.5	4.6	4.6	4.6	4.6
70°	3.5	2.3	2.3	2.3	3.5
72.5°	2.3	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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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