

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: P793741

Luminaire Tested: LER6D55D010-EC6DR3055659027-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793741
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-EC6DR3055659027-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6821.5 lumens
Efficiency: N/A
Efficacy: 117.2 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

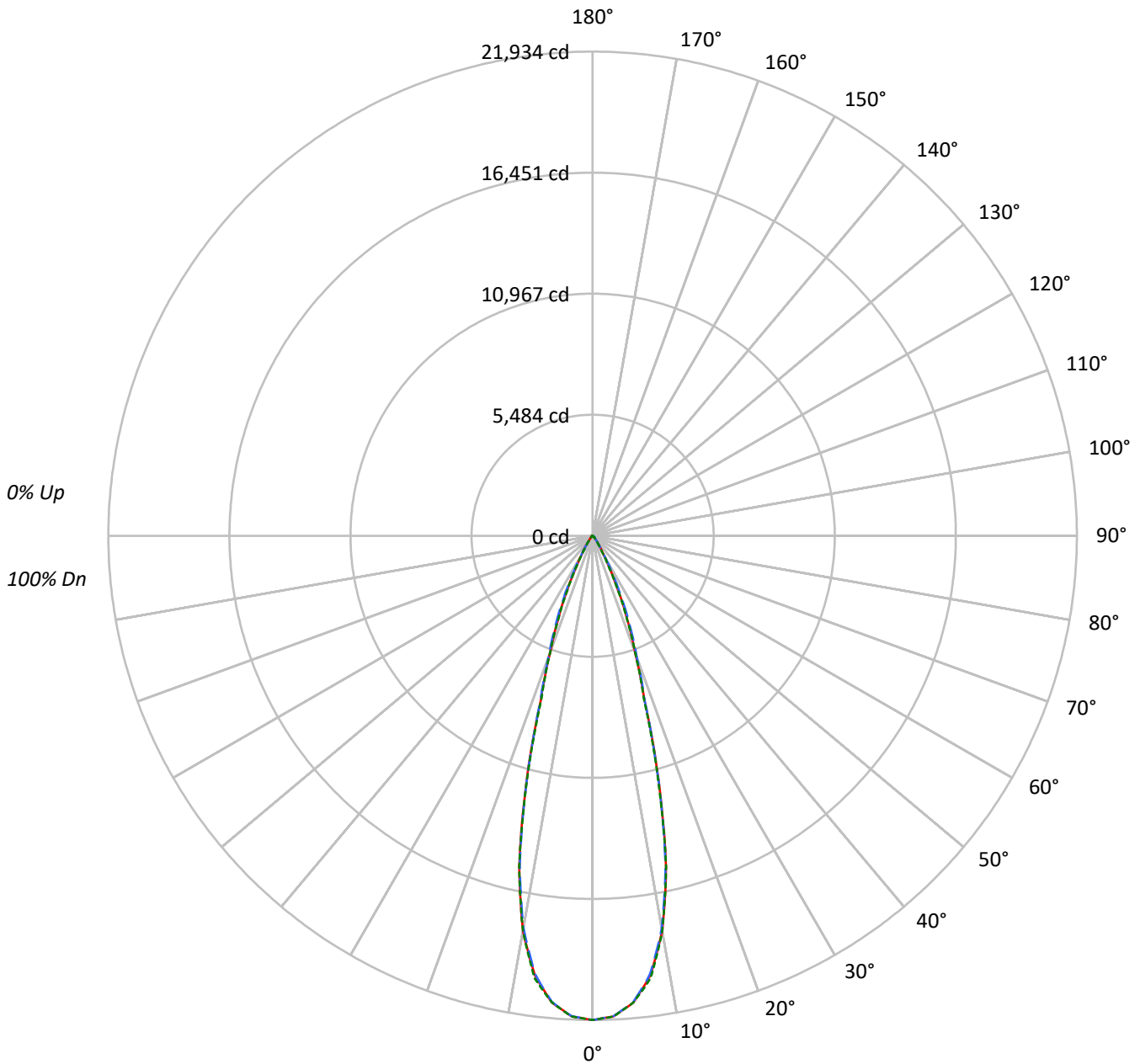


Downlight

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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	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°	1678926	1678926	1678926
5°	1630724	1628819	1630809
10°	1412459	1402494	1412124
15°	921555	916610	911998
20°	458246	475441	457635
25°	230836	260303	226106
30°	92424	100706	80527
35°	42871	41059	34415
40°	18505	20554	17436
45°	13055	16205	13174
50°	4489	11801	4739
55°	2589	4884	2736
60°	1806	2143	1806
65°	1177	1177	1177
70°	716	492	716
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 16205 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1928.8	28.3
10°-20°	3106.3	45.5
20°-30°	1342.3	19.7
30°-40°	305.9	4.5
40°-50°	105.1	1.5
50°-60°	25.7	0.4
60°-70°	6.7	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°	6377.4	93.5
0°-40°	6683.4	98.0
0°-60°	6814.1	99.9
0°-90°	6821.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6821.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21934	21934	21934	21934	21934	
5°	21224	21203	21199	21243	21225	1930
15°	11629	11489	11567	11529	11509	3114
25°	2733	2837	3082	2764	2677	1308
35°	459	468	439	436	368	311
45°	121	150	150	150	122	86
55°	19	20	37	22	20	19
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°	21934.3	21934.3	21934.3	21934.3	21934.3
2.5°	21788.9	21773.8	21782.4	21793.2	21797.5
5°	21223.5	21203.1	21198.7	21242.9	21224.6
7.5°	20083.1	20054.0	20009.9	20110.0	20203.7
10°	18172.7	18140.4	18044.5	18091.9	18168.4
12.5°	15352.3	15247.8	15245.7	15396.4	15376.0
15°	11629.4	11489.4	11567.0	11529.3	11508.8
17.5°	7820.4	7766.6	7870.0	7838.7	7704.1
20°	5625.7	5639.7	5836.8	5737.7	5618.2
22.5°	4105.1	4155.8	4389.4	4134.2	4040.5
25°	2733.2	2836.6	3082.1	2764.4	2677.2
27.5°	1681.0	1728.4	1977.2	1659.5	1612.1
30°	1045.7	1022.0	1139.4	977.8	911.1
32.5°	686.0	655.8	693.5	622.4	568.6
35°	458.8	468.5	439.4	436.1	368.3
37.5°	286.5	329.5	290.8	310.1	236.9
40°	185.2	239.1	205.7	227.2	174.5
42.5°	151.8	184.1	169.1	179.8	155.1
45°	120.6	149.7	149.7	149.7	121.7
47.5°	66.8	100.2	128.2	102.3	71.1
50°	37.7	50.6	99.1	52.8	39.8
52.5°	25.8	29.1	67.8	30.2	26.9
55°	19.4	20.5	36.6	21.5	20.5
57.5°	15.1	16.2	19.4	16.2	15.1
60°	11.8	11.8	14.0	12.9	11.8
62.5°	8.6	8.6	9.7	8.6	8.6
65°	6.5	6.5	6.5	6.5	6.5
67.5°	3.2	4.3	4.3	4.3	4.3
70°	3.2	2.2	2.2	2.2	3.2
72.5°	2.2	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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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(END OF REPORT)