

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: P793770

Luminaire Tested: LER6D55D010-EC6DR3055659050-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793770
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-EC6DR3055659050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6042.5 lumens
Efficiency: N/A
Efficacy: 103.8 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

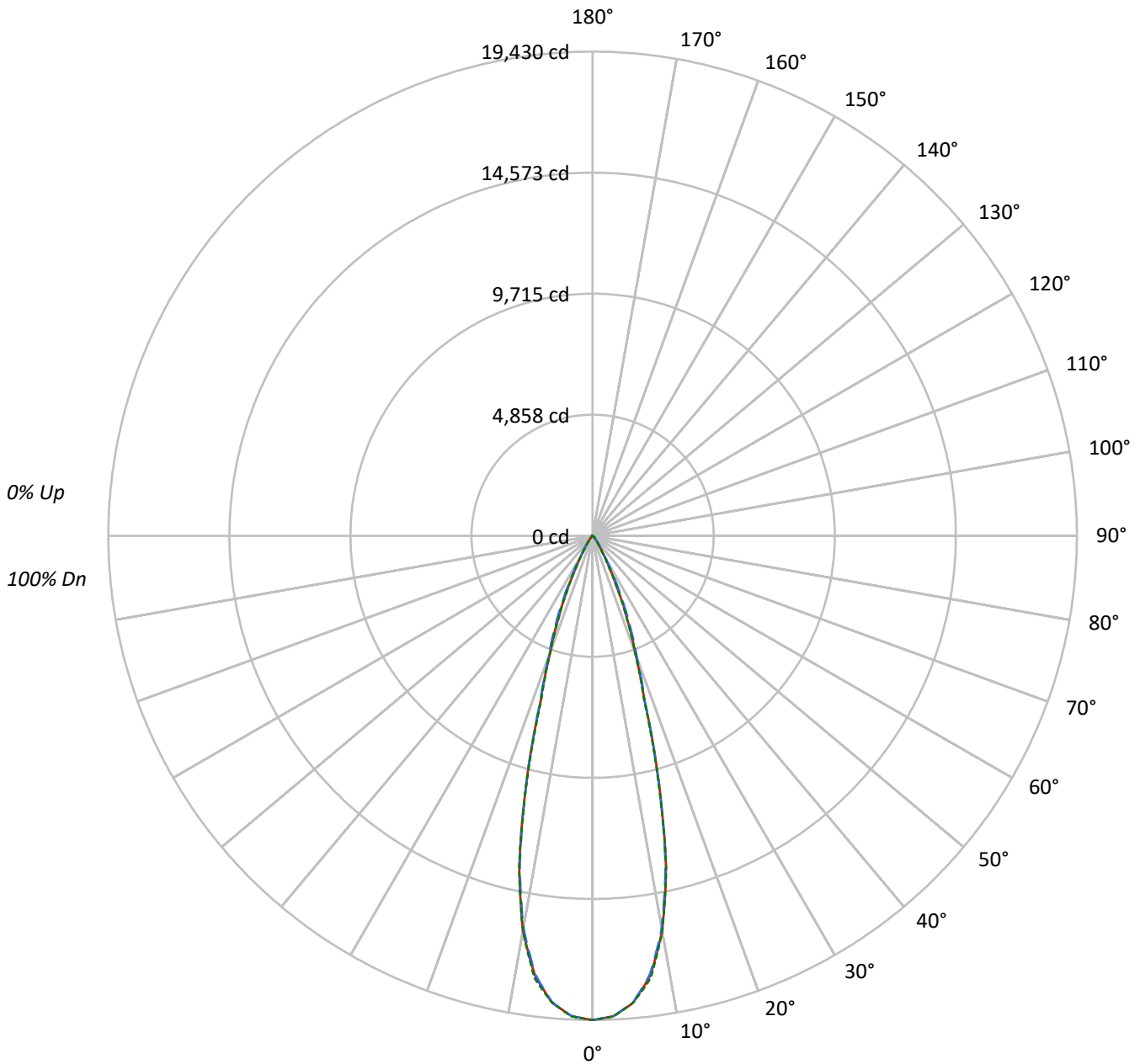


Downlight

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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°	1487215	1487215	1487215
5°	1444520	1442830	1444589
10°	1251173	1242351	1250878
15°	816327	811945	807864
20°	405919	421151	405381
25°	204477	230574	200288
30°	81871	89207	71326
35°	37975	36368	30481
40°	16397	18205	15438
45°	11561	14354	11669
50°	3977	10455	4204
55°	2295	4324	2415
60°	1607	1898	1607
65°	1032	1032	1032
70°	649	425	649
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14354 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1708.5	28.3
10°-20°	2751.6	45.5
20°-30°	1189.0	19.7
30°-40°	271.0	4.5
40°-50°	93.1	1.5
50°-60°	22.7	0.4
60°-70°	5.9	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°	5649.2	93.5
0°-40°	5920.2	98.0
0°-60°	6036.0	99.9
0°-90°	6042.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6042.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19430	19430	19430	19430	19430	
5°	18800	18782	18778	18817	18801	1710
15°	10302	10178	10246	10213	10195	2758
25°	2421	2513	2730	2449	2372	1159
35°	406	415	389	386	326	276
45°	107	133	133	133	108	76
55°	17	18	32	19	18	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°	19429.7	19429.7	19429.7	19429.7	19429.7
2.5°	19300.9	19287.5	19295.1	19304.7	19308.5
5°	18800.1	18781.9	18778.1	18817.2	18801.0
7.5°	17789.8	17764.1	17725.0	17813.7	17896.7
10°	16097.6	16069.0	15984.1	16026.0	16093.8
12.5°	13599.2	13506.7	13504.8	13638.3	13620.2
15°	10301.5	10177.5	10246.2	10212.8	10194.7
17.5°	6927.4	6879.7	6971.3	6943.7	6824.4
20°	4983.3	4995.7	5170.3	5082.5	4976.7
22.5°	3636.4	3681.2	3888.2	3662.1	3579.1
25°	2421.1	2512.7	2730.1	2448.7	2371.5
27.5°	1489.1	1531.1	1751.4	1470.0	1428.0
30°	926.3	905.3	1009.3	866.2	807.0
32.5°	607.7	580.9	614.3	551.4	503.7
35°	406.4	415.0	389.2	386.3	326.2
37.5°	253.7	291.9	257.6	274.7	209.9
40°	164.1	211.8	182.2	201.3	154.5
42.5°	134.5	163.1	149.8	159.3	137.4
45°	106.8	132.6	132.6	132.6	107.8
47.5°	59.1	88.7	113.5	90.6	63.0
50°	33.4	44.8	87.8	46.7	35.3
52.5°	22.9	25.8	60.1	26.7	23.8
55°	17.2	18.1	32.4	19.1	18.1
57.5°	13.4	14.3	17.2	14.3	13.4
60°	10.5	10.5	12.4	11.4	10.5
62.5°	7.6	7.6	8.6	7.6	7.6
65°	5.7	5.7	5.7	5.7	5.7
67.5°	2.9	3.8	3.8	3.8	3.8
70°	2.9	1.9	1.9	1.9	2.9
72.5°	1.9	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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