

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: P767997

Luminaire Tested: LD6D55D010-EU6DR3055659050-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767997
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: LD6D55D010-EU6DR3055659050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5453.5 lumens
Efficiency: N/A
Efficacy: 93.7 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

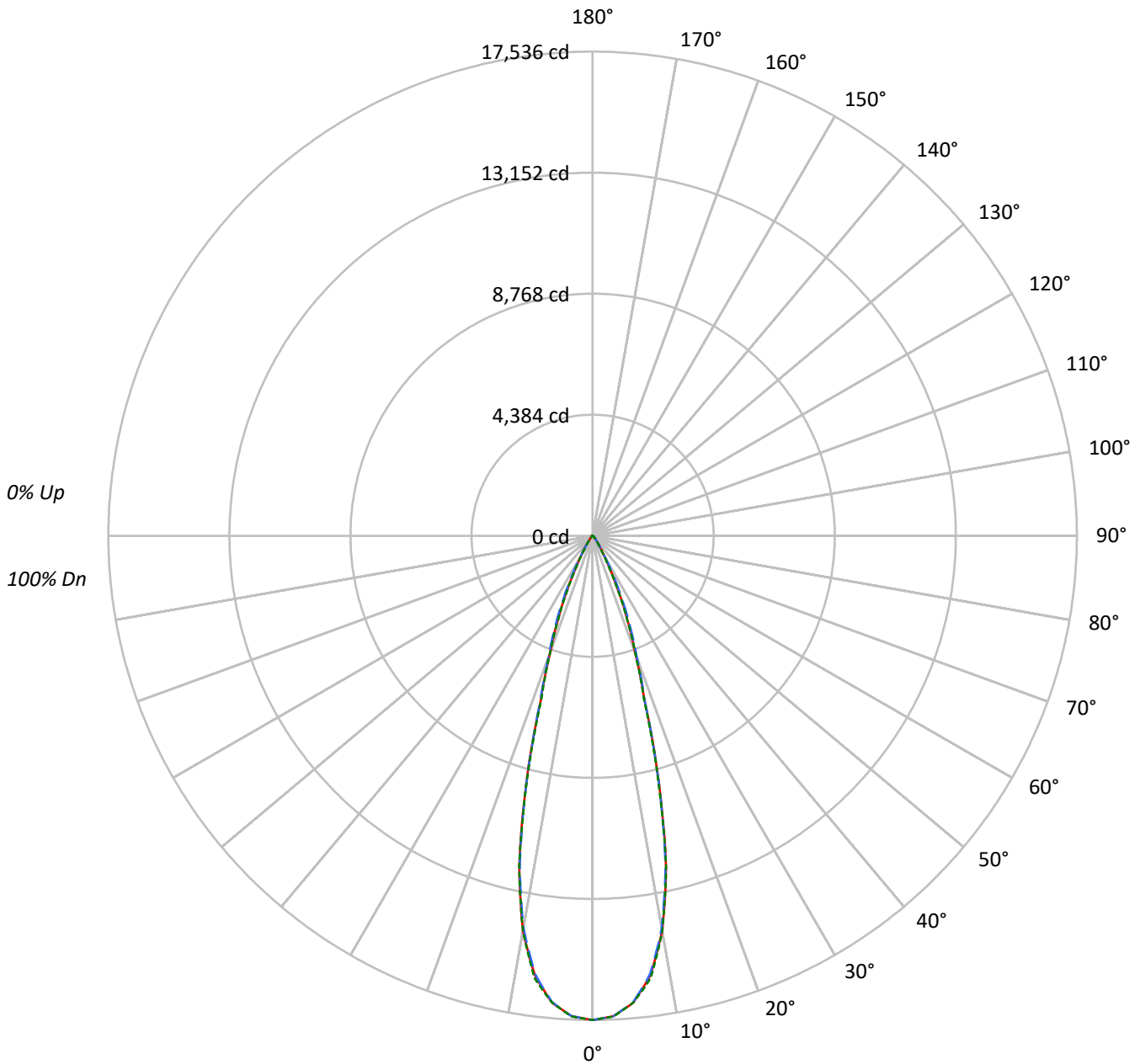


Downlight

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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°	1342227	1342227	1342227
5°	1303696	1302174	1303765
10°	1129201	1121234	1128928
15°	736743	732789	729104
20°	366347	380097	365859
25°	184545	208100	180762
30°	73890	80510	64379
35°	34275	32826	27509
40°	14798	16427	13939
45°	10435	12957	10533
50°	3584	9431	3799
55°	2068	3910	2189
60°	1454	1715	1454
65°	942	942	942
70°	582	380	582
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 12957 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1542.0	28.3
10°-20°	2483.4	45.5
20°-30°	1073.1	19.7
30°-40°	244.6	4.5
40°-50°	84.0	1.5
50°-60°	20.5	0.4
60°-70°	5.3	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°	5098.5	93.5
0°-40°	5343.1	98.0
0°-60°	5447.6	99.9
0°-90°	5453.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5453.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17536	17536	17536	17536	17536	
5°	16967	16951	16948	16983	16968	1543
15°	9297	9185	9247	9217	9201	2489
25°	2185	2268	2464	2210	2140	1046
35°	367	374	351	349	294	249
45°	96	120	120	120	97	68
55°	16	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°	17535.5	17535.5	17535.5	17535.5	17535.5
2.5°	17419.3	17407.2	17414.1	17422.7	17426.2
5°	16967.3	16951.0	16947.5	16982.8	16968.2
7.5°	16055.6	16032.3	15997.0	16077.1	16152.0
10°	14528.3	14502.5	14425.8	14463.7	14524.8
12.5°	12273.5	12190.0	12188.3	12308.8	12292.4
15°	9297.2	9185.3	9247.3	9217.2	9200.8
17.5°	6252.1	6209.1	6291.7	6266.7	6159.1
20°	4497.5	4508.7	4666.3	4587.1	4491.5
22.5°	3281.9	3322.3	3509.2	3305.1	3230.2
25°	2185.1	2267.7	2464.0	2210.0	2140.3
27.5°	1343.9	1381.8	1580.7	1326.7	1288.8
30°	836.0	817.0	910.9	781.7	728.4
32.5°	548.4	524.3	554.4	497.6	454.6
35°	366.8	374.5	351.3	348.7	294.4
37.5°	229.0	263.4	232.5	247.9	189.4
40°	148.1	191.1	164.4	181.7	139.5
42.5°	121.4	147.2	135.2	143.8	124.0
45°	96.4	119.7	119.7	119.7	97.3
47.5°	53.4	80.1	102.5	81.8	56.8
50°	30.1	40.5	79.2	42.2	31.9
52.5°	20.7	23.2	54.2	24.1	21.5
55°	15.5	16.4	29.3	17.2	16.4
57.5°	12.1	12.9	15.5	12.9	12.1
60°	9.5	9.5	11.2	10.3	9.5
62.5°	6.9	6.9	7.7	6.9	6.9
65°	5.2	5.2	5.2	5.2	5.2
67.5°	2.6	3.4	3.4	3.4	3.4
70°	2.6	1.7	1.7	1.7	2.6
72.5°	1.7	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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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