

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: P767978

Luminaire Tested: LD6D55D010-EU6DR3055659035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767978
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-EU6DR3055659035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6429.0 lumens
Efficiency: N/A
Efficacy: 110.5 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

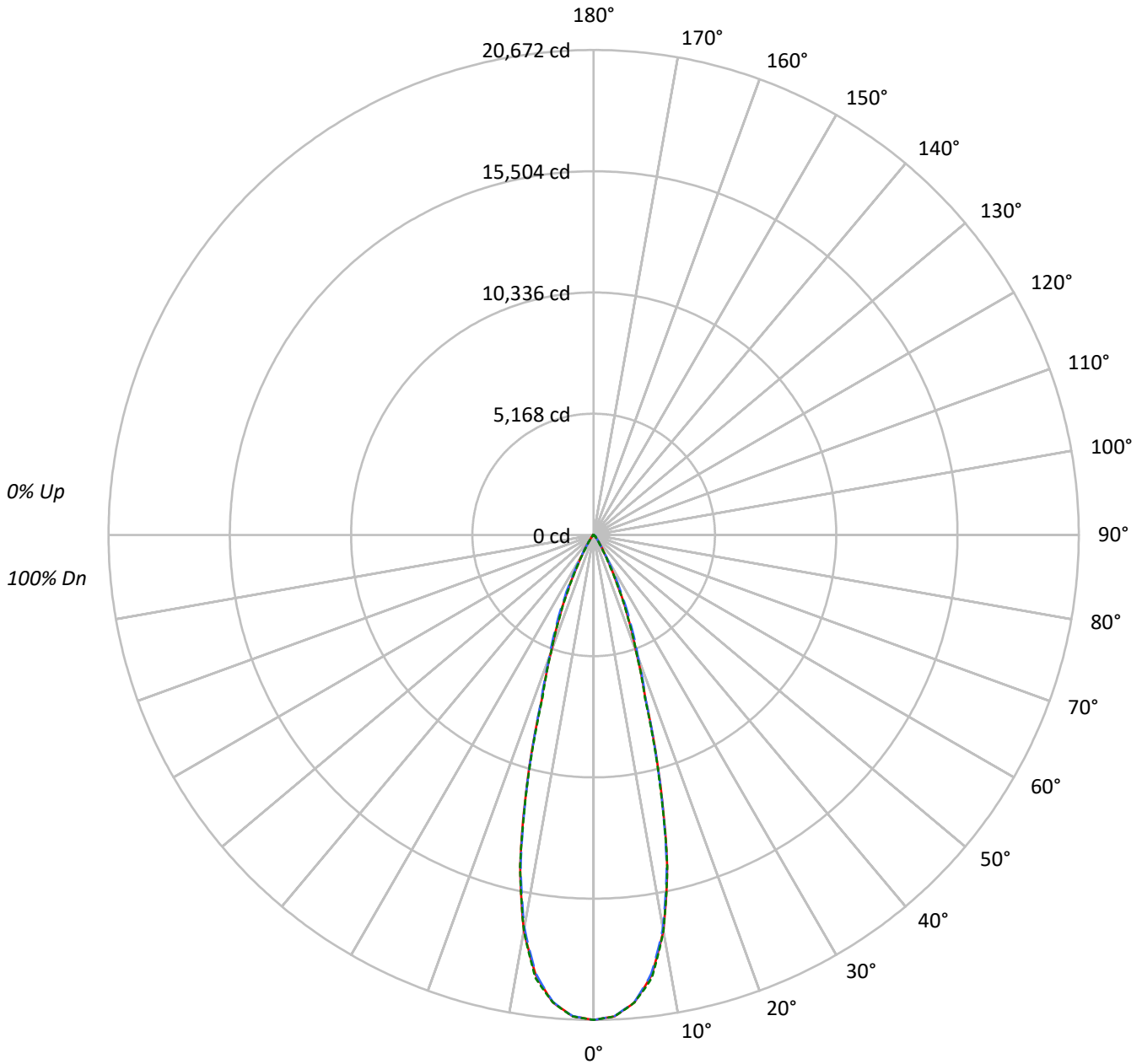
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1582336	1582336	1582336
5°	1536908	1535117	1536985
10°	1331198	1321809	1330879
15°	868541	863874	859531
20°	431887	448088	431308
25°	217551	245329	213092
30°	87103	94907	75887
35°	40404	38694	32434
40°	17446	19375	16427
45°	12308	15274	12416
50°	4227	11122	4477
55°	2442	4604	2576
60°	1715	2021	1715
65°	1105	1105	1105
70°	671	448	671
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 15274 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1817.8	28.3
10°-20°	2927.6	45.5
20°-30°	1265.1	19.7
30°-40°	288.3	4.5
40°-50°	99.0	1.5
50°-60°	24.2	0.4
60°-70°	6.3	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°	6010.5	93.5
0°-40°	6298.9	98.0
0°-60°	6422.1	99.9
0°-90°	6429.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6429.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20672	20672	20672	20672	20672	
5°	20002	19983	19979	20021	20004	1819
15°	10960	10828	10902	10866	10847	2935
25°	2576	2673	2905	2605	2523	1233
35°	432	442	414	411	347	293
45°	114	141	141	141	115	81
55°	18	19	34	20	19	18
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°	20672.4	20672.4	20672.4	20672.4	20672.4
2.5°	20535.3	20521.1	20529.3	20539.4	20543.5
5°	20002.5	19983.2	19979.2	20020.8	20003.5
7.5°	18927.7	18900.3	18858.7	18953.0	19041.3
10°	17127.2	17096.7	17006.4	17051.0	17123.1
12.5°	14469.0	14370.6	14368.5	14510.6	14491.4
15°	10960.4	10828.4	10901.5	10866.0	10846.7
17.5°	7370.5	7319.8	7417.2	7387.8	7260.9
20°	5302.1	5315.3	5501.0	5407.6	5295.0
22.5°	3869.0	3916.7	4136.9	3896.4	3808.1
25°	2575.9	2673.4	2904.8	2605.4	2523.1
27.5°	1584.3	1629.0	1863.4	1564.0	1519.4
30°	985.5	963.2	1073.8	921.6	858.6
32.5°	646.5	618.1	653.6	586.6	535.9
35°	432.4	441.5	414.1	411.1	347.1
37.5°	270.0	310.6	274.0	292.3	223.3
40°	174.6	225.3	193.9	214.2	164.4
42.5°	143.1	173.6	159.3	169.5	146.2
45°	113.7	141.1	141.1	141.1	114.7
47.5°	62.9	94.4	120.8	96.4	67.0
50°	35.5	47.7	93.4	49.7	37.6
52.5°	24.4	27.4	63.9	28.4	25.4
55°	18.3	19.3	34.5	20.3	19.3
57.5°	14.2	15.2	18.3	15.2	14.2
60°	11.2	11.2	13.2	12.2	11.2
62.5°	8.1	8.1	9.1	8.1	8.1
65°	6.1	6.1	6.1	6.1	6.1
67.5°	3.0	4.1	4.1	4.1	4.1
70°	3.0	2.0	2.0	2.0	3.0
72.5°	2.0	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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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