

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: P772619

Luminaire Tested: LD6D85BD010-EU6DR3070959024-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772619
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: LD6D85BD010-EU6DR3070959024-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8615.0 lumens
Efficiency: N/A
Efficacy: 98.2 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): 87.7
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

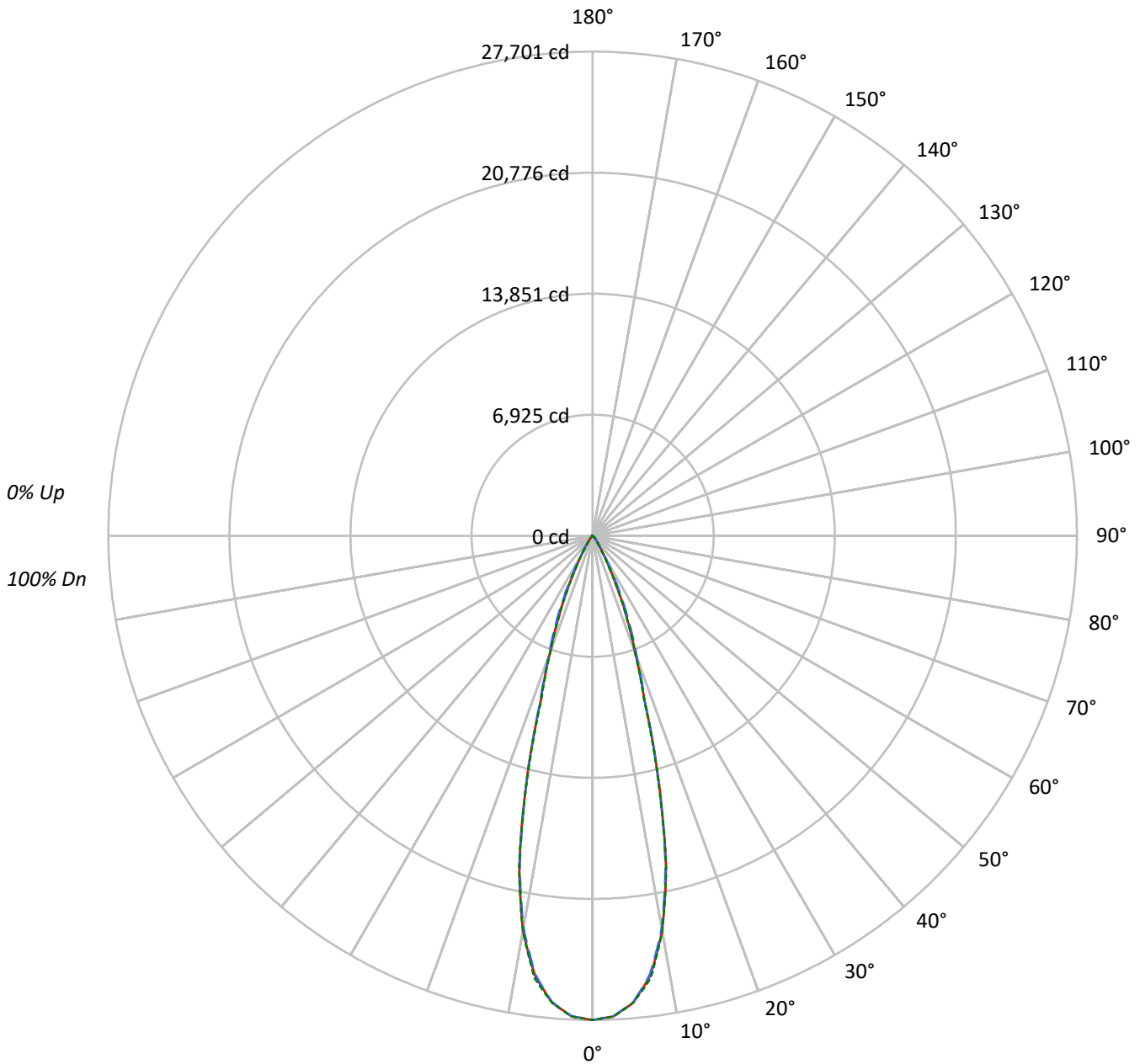


Downlight

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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°	2120359	2120359	2120359
5°	2059483	2057086	2059591
10°	1783825	1771249	1783405
15°	1163858	1157606	1151789
20°	578735	600443	577953
25°	291526	328738	285555
30°	116721	127177	101695
35°	54140	51851	43460
40°	23371	25959	22012
45°	16486	20459	16638
50°	5668	14897	5990
55°	3270	6165	3443
60°	2296	2710	2296
65°	1485	1485	1485
70°	918	604	918
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 20459 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2435.9	28.3
10°-20°	3923.1	45.5
20°-30°	1695.3	19.7
30°-40°	386.4	4.5
40°-50°	132.7	1.5
50°-60°	32.4	0.4
60°-70°	8.4	0.1
70°-80°	0.9	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°	8054.2	93.5
0°-40°	8440.6	98.0
0°-60°	8605.7	99.9
0°-90°	8615.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8615.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27701	27701	27701	27701	27701	
5°	26804	26778	26772	26828	26805	2438
15°	14687	14510	14608	14561	14535	3933
25°	3452	3582	3892	3491	3381	1652
35°	579	592	555	551	465	393
45°	152	189	189	189	154	108
55°	24	26	46	27	26	24
65°	8	8	8	8	8	8
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°	27701.4	27701.4	27701.4	27701.4	27701.4
2.5°	27517.8	27498.7	27509.6	27523.2	27528.6
5°	26803.7	26777.9	26772.5	26828.2	26805.1
7.5°	25363.4	25326.7	25271.0	25397.4	25515.8
10°	22950.7	22909.9	22788.9	22848.7	22945.3
12.5°	19388.8	19256.9	19254.1	19444.5	19418.7
15°	14687.1	14510.3	14608.2	14560.6	14534.8
17.5°	9876.6	9808.6	9939.2	9899.8	9729.7
20°	7104.9	7122.5	7371.4	7246.3	7095.3
22.5°	5184.5	5248.4	5543.5	5221.2	5102.9
25°	3451.8	3582.4	3892.4	3491.2	3381.1
27.5°	2123.0	2182.9	2497.0	2095.8	2036.0
30°	1320.6	1290.7	1438.9	1234.9	1150.6
32.5°	866.3	828.3	875.9	786.1	718.1
35°	579.4	591.6	554.9	550.8	465.1
37.5°	361.8	416.2	367.2	391.7	299.2
40°	233.9	301.9	259.8	287.0	220.3
42.5°	191.8	232.6	213.5	227.1	195.8
45°	152.3	189.0	189.0	189.0	153.7
47.5°	84.3	126.5	161.8	129.2	89.8
50°	47.6	63.9	125.1	66.6	50.3
52.5°	32.6	36.7	85.7	38.1	34.0
55°	24.5	25.8	46.2	27.2	25.8
57.5°	19.0	20.4	24.5	20.4	19.0
60°	15.0	15.0	17.7	16.3	15.0
62.5°	10.9	10.9	12.2	10.9	10.9
65°	8.2	8.2	8.2	8.2	8.2
67.5°	4.1	5.4	5.4	5.4	5.4
70°	4.1	2.7	2.7	2.7	4.1
72.5°	2.7	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	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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