

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: P772684

Luminaire Tested: LD6D85BD010-EU6DR3070959050-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772684
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-EU6DR3070959050-6LBS1MW
Description: 6 INCH ROUND SHALLOW 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: 10710.6 lumens
Efficiency: N/A
Efficacy: 122.1 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

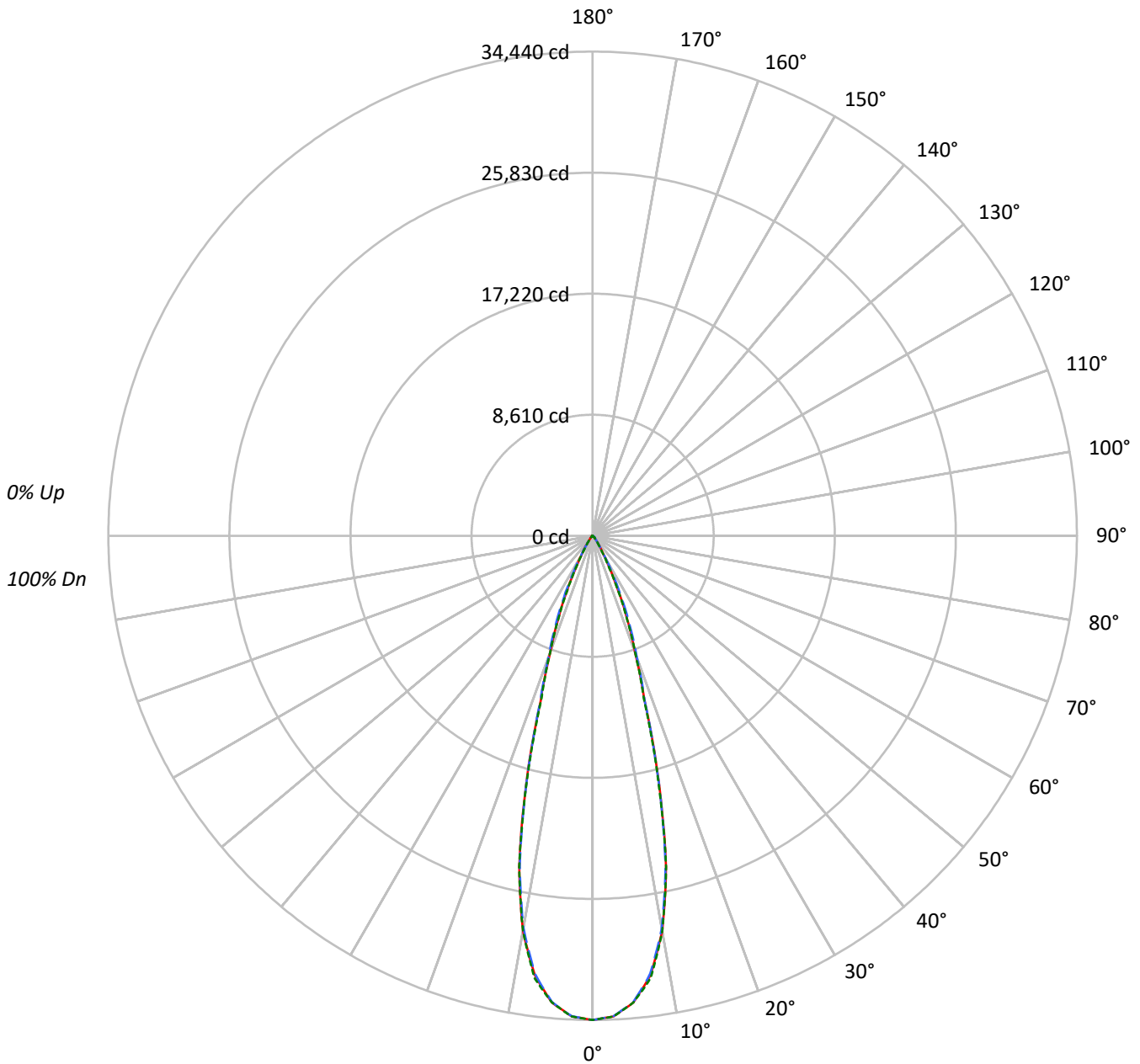


Downlight

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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	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°	2636147	2636147	2636147
5°	2560468	2557479	2560598
10°	2217759	2202113	2217231
15°	1446979	1439206	1431971
20°	719515	746510	718546
25°	362444	408709	355012
30°	145110	158120	126434
35°	67306	64466	54038
40°	29057	32274	27368
45°	20502	25438	20686
50°	7050	18529	7454
55°	4057	7673	4284
60°	2847	3368	2847
65°	1829	1829	1829
70°	1141	761	1141
75°	0	503	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 25438 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3028.5	28.3
10°-20°	4877.4	45.5
20°-30°	2107.6	19.7
30°-40°	480.4	4.5
40°-50°	164.9	1.5
50°-60°	40.3	0.4
60°-70°	10.4	0.1
70°-80°	1.1	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°	10013.5	93.5
0°-40°	10493.9	98.0
0°-60°	10699.1	99.9
0°-90°	10710.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10710.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	34440	34440	34440	34440	34440	
5°	33324	33292	33285	33354	33326	3031
15°	18260	18040	18162	18103	18070	4889
25°	4292	4454	4839	4340	4204	2054
35°	720	736	690	685	578	489
45°	189	235	235	235	191	134
55°	30	32	58	34	32	30
65°	10	10	10	10	10	10
75°	0	0	2	0	0	2
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°	34439.9	34439.9	34439.9	34439.9	34439.9
2.5°	34211.6	34188.0	34201.5	34218.4	34225.2
5°	33323.9	33291.8	33285.0	33354.4	33325.6
7.5°	31533.3	31487.6	31418.3	31575.6	31722.7
10°	28533.7	28482.9	28332.4	28406.8	28526.9
12.5°	24105.2	23941.2	23937.8	24174.6	24142.4
15°	18259.9	18040.0	18161.8	18102.6	18070.5
17.5°	12279.2	12194.7	12357.0	12307.9	12096.6
20°	8833.2	8855.2	9164.6	9009.0	8821.3
22.5°	6445.6	6525.1	6892.0	6491.3	6344.2
25°	4291.5	4453.8	4839.3	4340.5	4203.5
27.5°	2639.5	2713.9	3104.5	2605.7	2531.3
30°	1641.8	1604.6	1789.0	1535.3	1430.5
32.5°	1077.1	1029.7	1088.9	977.3	892.8
35°	720.3	735.5	689.9	684.8	578.3
37.5°	449.8	517.4	456.5	487.0	372.0
40°	290.8	375.4	323.0	356.8	273.9
42.5°	238.4	289.1	265.5	282.4	243.5
45°	189.4	235.0	235.0	235.0	191.1
47.5°	104.8	157.3	201.2	160.6	111.6
50°	59.2	79.5	155.6	82.9	62.6
52.5°	40.6	45.7	106.5	47.3	42.3
55°	30.4	32.1	57.5	33.8	32.1
57.5°	23.7	25.4	30.4	25.4	23.7
60°	18.6	18.6	22.0	20.3	18.6
62.5°	13.5	13.5	15.2	13.5	13.5
65°	10.1	10.1	10.1	10.1	10.1
67.5°	5.1	6.8	6.8	6.8	6.8
70°	5.1	3.4	3.4	3.4	5.1
72.5°	3.4	1.7	1.7	1.7	1.7
75°	0.0	0.0	1.7	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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