

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: P770287

Luminaire Tested: LD6D70BD010-EU6DR3070959027-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770287
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: LD6D70BD010-EU6DR3070959027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8033.6 lumens
Efficiency: N/A
Efficacy: 120.6 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): 66.6
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

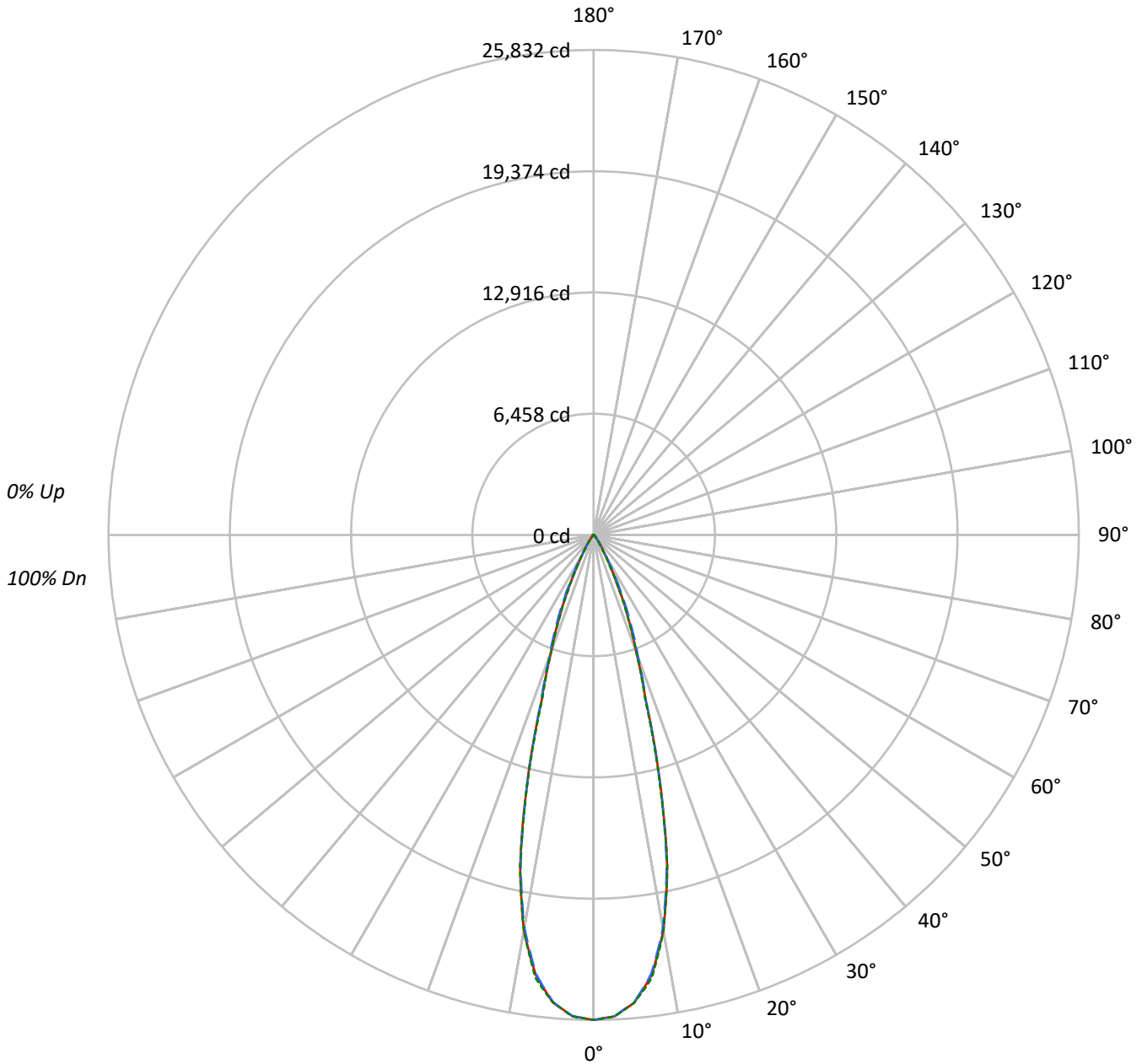


Downlight

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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°	1977269	1977269	1977269
5°	1920503	1918267	1920603
10°	1663446	1651717	1663057
15°	1085320	1079487	1074059
20°	539677	559927	538952
25°	271856	306559	266282
30°	108846	118595	94837
35°	50487	48356	40526
40°	21793	24201	20534
45°	15371	19084	15512
50°	5287	13897	5585
55°	3043	5752	3216
60°	2143	2526	2143
65°	1376	1376	1376
70°	850	559	850
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 19084 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2271.5	28.3
10°-20°	3658.3	45.5
20°-30°	1580.9	19.7
30°-40°	360.3	4.5
40°-50°	123.7	1.5
50°-60°	30.2	0.4
60°-70°	7.8	0.1
70°-80°	0.8	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°	7510.7	93.5
0°-40°	7871.0	98.0
0°-60°	8025.0	99.9
0°-90°	8033.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8033.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25832	25832	25832	25832	25832	
5°	24995	24971	24966	25018	24996	2273
15°	13696	13531	13622	13578	13554	3667
25°	3219	3341	3630	3256	3153	1541
35°	540	552	518	514	434	366
45°	142	176	176	176	143	101
55°	23	24	43	25	24	22
65°	8	8	8	8	8	7
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	25832.0	25832.0	25832.0	25832.0	25832.0
2.5°	25660.8	25643.0	25653.2	25665.8	25670.9
5°	24994.9	24970.8	24965.8	25017.8	24996.2
7.5°	23651.8	23617.6	23565.6	23683.5	23793.9
10°	21401.9	21363.9	21251.0	21306.8	21396.9
12.5°	18080.4	17957.3	17954.8	18132.4	18108.3
15°	13696.0	13531.1	13622.4	13578.0	13553.9
17.5°	9210.1	9146.7	9268.5	9231.7	9073.2
20°	6625.4	6641.9	6874.0	6757.3	6616.5
22.5°	4834.6	4894.2	5169.4	4868.9	4758.5
25°	3218.9	3340.6	3629.8	3255.6	3152.9
27.5°	1979.8	2035.6	2328.5	1954.4	1898.6
30°	1231.5	1203.6	1341.8	1151.6	1073.0
32.5°	807.9	772.4	816.8	733.1	669.6
35°	540.3	551.7	517.5	513.6	433.7
37.5°	337.4	388.1	342.4	365.3	279.0
40°	218.1	281.6	242.2	267.6	205.5
42.5°	178.8	216.9	199.1	211.8	182.6
45°	142.0	176.3	176.3	176.3	143.3
47.5°	78.6	117.9	150.9	120.5	83.7
50°	44.4	59.6	116.7	62.1	46.9
52.5°	30.4	34.2	79.9	35.5	31.7
55°	22.8	24.1	43.1	25.4	24.1
57.5°	17.8	19.0	22.8	19.0	17.8
60°	14.0	14.0	16.5	15.2	14.0
62.5°	10.1	10.1	11.4	10.1	10.1
65°	7.6	7.6	7.6	7.6	7.6
67.5°	3.8	5.1	5.1	5.1	5.1
70°	3.8	2.5	2.5	2.5	3.8
72.5°	2.5	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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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