

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: P770337

Luminaire Tested: LD6D70BD010-EU6DR3070959050-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770337
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-EU6DR3070959050-6LBDP1B
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: 6760.6 lumens
Efficiency: N/A
Efficacy: 101.5 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

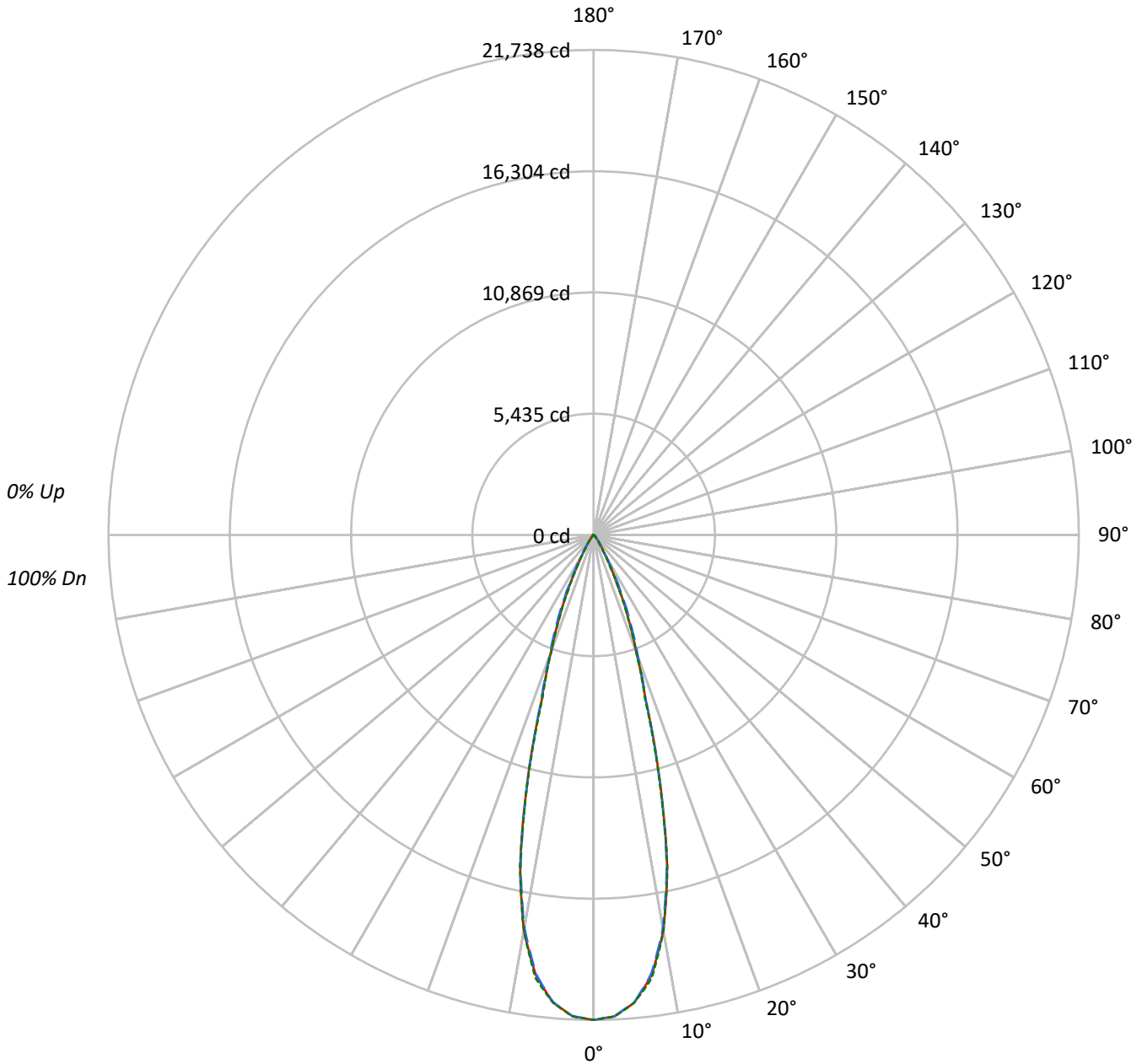
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1663939	1663939	1663939
5°	1616171	1614289	1616256
10°	1399852	1389981	1399518
15°	913330	908424	903860
20°	454157	471197	453546
25°	228775	257980	224088
30°	91593	99804	79803
35°	42488	40694	34106
40°	18345	20374	17276
45°	12936	16064	13055
50°	4454	11694	4704
55°	2562	4844	2709
60°	1791	2128	1791
65°	1159	1159	1159
70°	716	470	716
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 16064 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1911.6	28.3
10°-20°	3078.6	45.5
20°-30°	1330.3	19.7
30°-40°	303.2	4.5
40°-50°	104.1	1.5
50°-60°	25.4	0.4
60°-70°	6.6	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°	6320.5	93.5
0°-40°	6623.7	98.0
0°-60°	6753.3	99.9
0°-90°	6760.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6760.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21738	21738	21738	21738	21738	
5°	21034	21014	21010	21053	21035	1913
15°	11526	11387	11464	11426	11406	3086
25°	2709	2811	3055	2740	2653	1297
35°	455	464	436	432	365	308
45°	120	148	148	148	121	85
55°	19	20	36	21	20	19
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°	21738.5	21738.5	21738.5	21738.5	21738.5
2.5°	21594.4	21579.5	21588.0	21598.7	21603.0
5°	21034.1	21013.8	21009.6	21053.3	21035.2
7.5°	19903.8	19875.0	19831.3	19930.5	20023.4
10°	18010.5	17978.5	17883.5	17930.4	18006.2
12.5°	15215.2	15111.7	15109.6	15259.0	15238.7
15°	11525.6	11386.9	11463.7	11426.4	11406.1
17.5°	7750.6	7697.3	7799.7	7768.8	7635.4
20°	5575.5	5589.4	5784.7	5686.5	5568.0
22.5°	4068.5	4118.7	4350.3	4097.3	4004.5
25°	2708.8	2811.2	3054.6	2739.7	2653.3
27.5°	1666.0	1713.0	1959.5	1644.7	1597.7
30°	1036.3	1012.9	1129.2	969.1	902.9
32.5°	679.9	650.0	687.3	616.9	563.5
35°	454.7	464.3	435.5	432.3	365.0
37.5°	283.9	326.6	288.2	307.4	234.8
40°	183.6	236.9	203.9	225.2	172.9
42.5°	150.5	182.5	167.6	178.2	153.7
45°	119.5	148.4	148.4	148.4	120.6
47.5°	66.2	99.3	127.0	101.4	70.4
50°	37.4	50.2	98.2	52.3	39.5
52.5°	25.6	28.8	67.2	29.9	26.7
55°	19.2	20.3	36.3	21.3	20.3
57.5°	14.9	16.0	19.2	16.0	14.9
60°	11.7	11.7	13.9	12.8	11.7
62.5°	8.5	8.5	9.6	8.5	8.5
65°	6.4	6.4	6.4	6.4	6.4
67.5°	3.2	4.3	4.3	4.3	4.3
70°	3.2	2.1	2.1	2.1	3.2
72.5°	2.1	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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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