

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: P770274

Luminaire Tested: LD6D70BD010-EU6DR3070959024-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770274
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-EU6DR3070959024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7091.9 lumens
Efficiency: N/A
Efficacy: 106.5 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

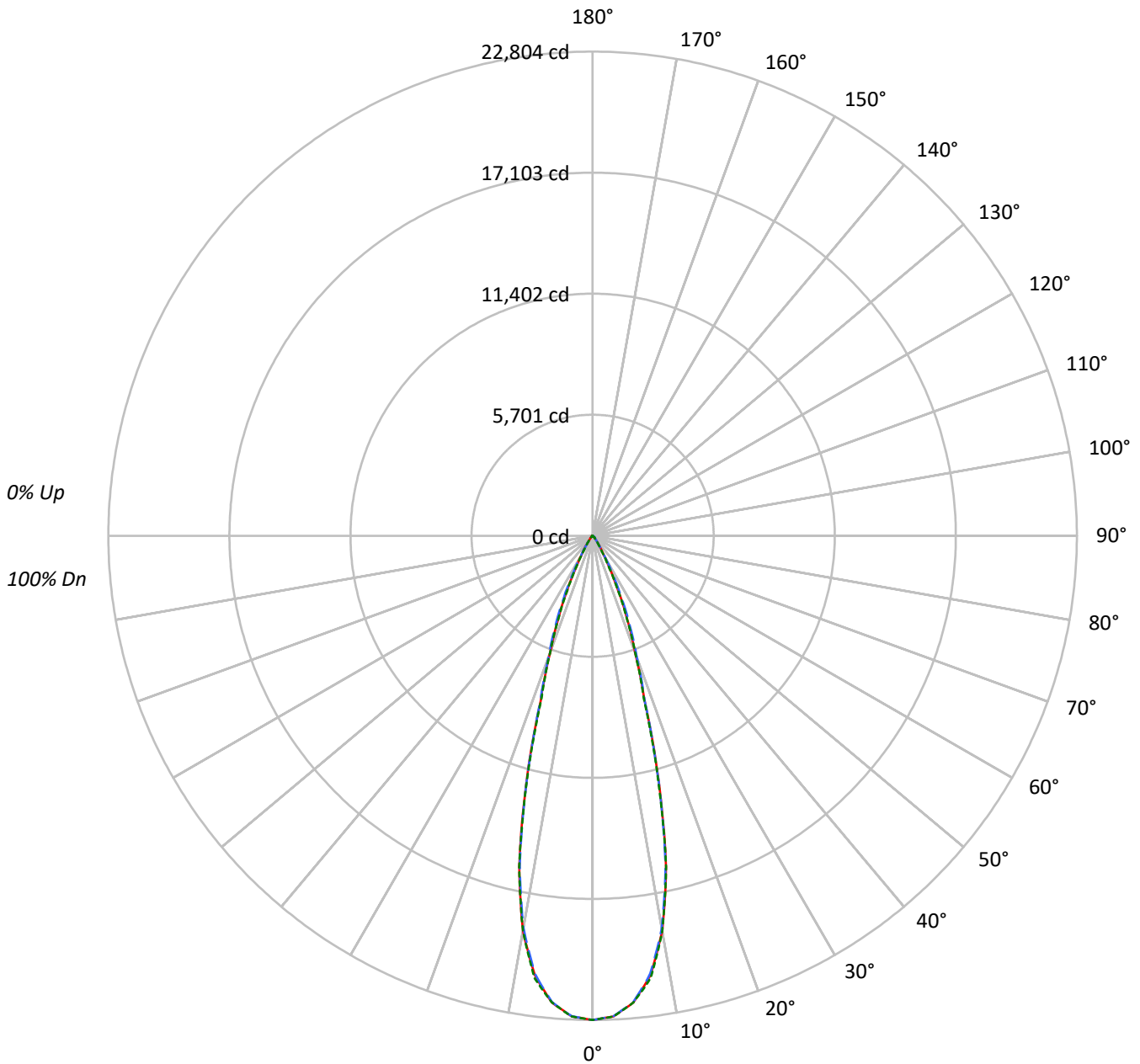


Downlight

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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	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°	1745503	1745503	1745503
5°	1695389	1693414	1695474
10°	1468467	1458114	1468117
15°	958102	952951	948165
20°	476419	494290	475783
25°	239991	270623	235067
30°	96083	104692	83718
35°	44572	42684	35779
40°	19245	21363	18126
45°	13574	16843	13693
50°	4668	12265	4930
55°	2696	5084	2842
60°	1883	2235	1883
65°	1213	1213	1213
70°	761	492	761
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 16843 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2005.3	28.3
10°-20°	3229.5	45.5
20°-30°	1395.6	19.7
30°-40°	318.1	4.5
40°-50°	109.2	1.5
50°-60°	26.7	0.4
60°-70°	6.9	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°	6630.3	93.5
0°-40°	6948.4	98.0
0°-60°	7084.3	99.9
0°-90°	7091.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7091.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22804	22804	22804	22804	22804	
5°	22065	22044	22039	22085	22066	2007
15°	12091	11945	12026	11986	11965	3237
25°	2842	2949	3204	2874	2783	1360
35°	477	487	457	453	383	324
45°	125	156	156	156	126	89
55°	20	21	38	22	21	20
65°	7	7	7	7	7	7
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°	22804.1	22804.1	22804.1	22804.1	22804.1
2.5°	22652.9	22637.2	22646.2	22657.4	22661.9
5°	22065.1	22043.8	22039.4	22085.3	22066.2
7.5°	20879.5	20849.2	20803.3	20907.4	21004.9
10°	18893.3	18859.7	18760.1	18809.3	18888.8
12.5°	15961.0	15852.4	15850.2	16007.0	15985.7
15°	12090.6	11945.0	12025.6	11986.5	11965.2
17.5°	8130.6	8074.6	8182.1	8149.6	8009.6
20°	5848.8	5863.4	6068.2	5965.2	5841.0
22.5°	4267.9	4320.5	4563.5	4298.2	4200.7
25°	2841.6	2949.0	3204.3	2874.0	2783.3
27.5°	1747.7	1797.0	2055.6	1725.3	1676.0
30°	1087.1	1062.5	1184.5	1016.6	947.2
32.5°	713.2	681.8	721.0	647.1	591.1
35°	477.0	487.0	456.8	453.4	382.9
37.5°	297.8	342.6	302.3	322.4	246.3
40°	192.6	248.6	213.8	236.2	181.4
42.5°	157.9	191.5	175.8	187.0	161.2
45°	125.4	155.6	155.6	155.6	126.5
47.5°	69.4	104.1	133.2	106.4	73.9
50°	39.2	52.6	103.0	54.9	41.4
52.5°	26.9	30.2	70.5	31.3	28.0
55°	20.2	21.3	38.1	22.4	21.3
57.5°	15.7	16.8	20.2	16.8	15.7
60°	12.3	12.3	14.6	13.4	12.3
62.5°	9.0	9.0	10.1	9.0	9.0
65°	6.7	6.7	6.7	6.7	6.7
67.5°	3.4	4.5	4.5	4.5	4.5
70°	3.4	2.2	2.2	2.2	3.4
72.5°	2.2	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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