

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P771899

Luminaire Tested: LD6D80BD010-EU6DR3070959050-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771899
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: LD6D80BD010-EU6DR3070959050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10557.9 lumens
Efficiency: N/A
Efficacy: 133.8 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): 78.9
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

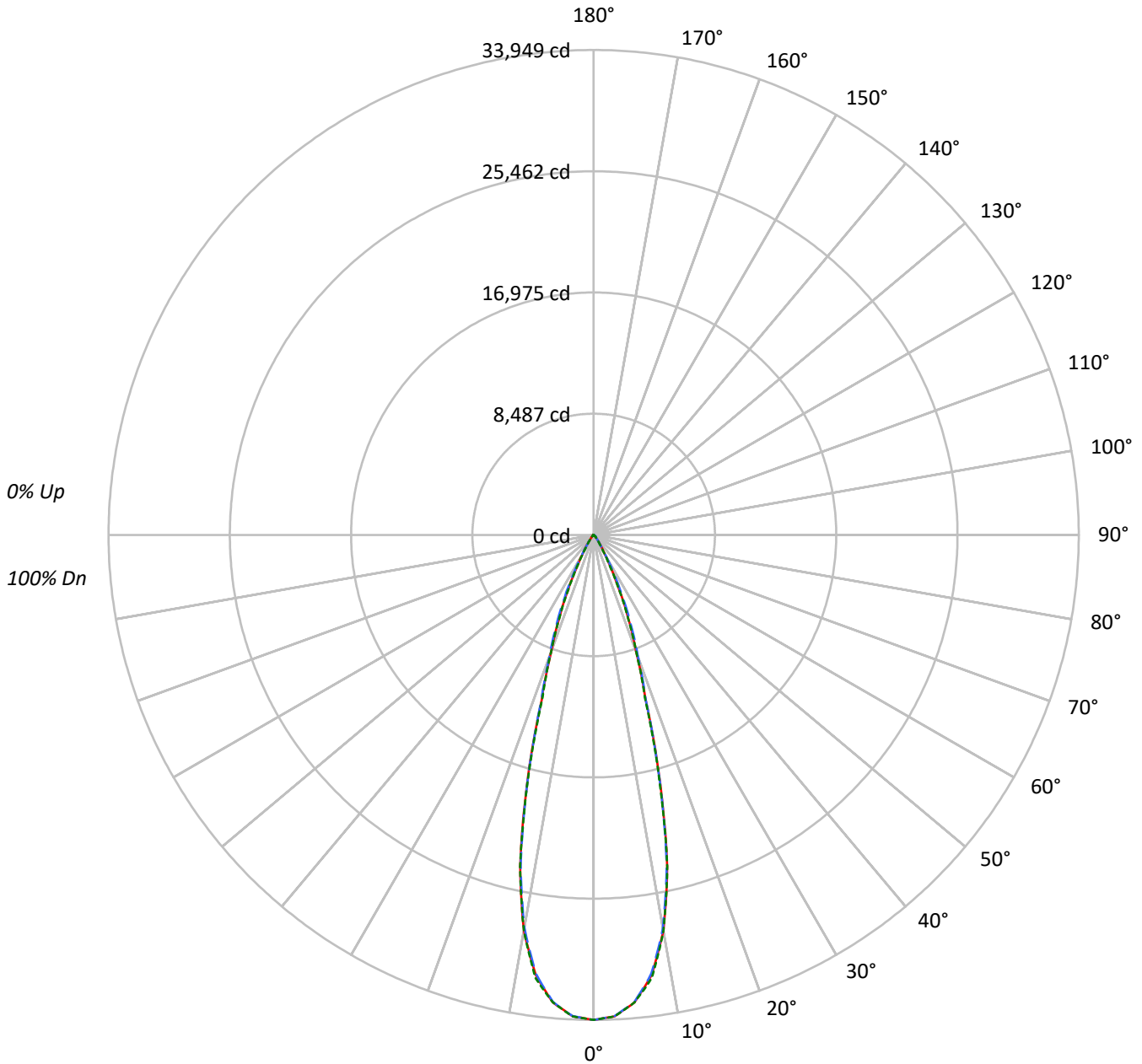


Downlight

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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°	2598556	2598556	2598556
5°	2523955	2521013	2524086
10°	2186133	2170713	2185612
15°	1426344	1418682	1411550
20°	709252	735863	708299
25°	357275	402882	349953
30°	143042	155858	124631
35°	66344	63541	53262
40°	28647	31815	26978
45°	20210	25081	20383
50°	6942	18255	7347
55°	4003	7567	4230
60°	2801	3322	2801
65°	1811	1811	1811
70°	1119	739	1119
75°	0	503	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 25081 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2985.3	28.3
10°-20°	4807.8	45.5
20°-30°	2077.6	19.7
30°-40°	473.5	4.5
40°-50°	162.6	1.5
50°-60°	39.7	0.4
60°-70°	10.3	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°	9870.7	93.5
0°-40°	10344.2	98.0
0°-60°	10546.5	99.9
0°-90°	10557.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10557.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	33949	33949	33949	33949	33949	
5°	32849	32817	32810	32879	32850	2988
15°	18000	17783	17903	17844	17813	4820
25°	4230	4390	4770	4279	4144	2025
35°	710	725	680	675	570	482
45°	187	232	232	232	188	132
55°	30	32	57	33	32	29
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°	33948.8	33948.8	33948.8	33948.8	33948.8
2.5°	33723.8	33700.4	33713.8	33730.4	33737.1
5°	32848.7	32817.0	32810.4	32878.7	32850.4
7.5°	31083.6	31038.6	30970.3	31125.3	31270.3
10°	28126.8	28076.8	27928.4	28001.7	28120.1
12.5°	23761.5	23599.8	23596.5	23829.8	23798.2
15°	17999.5	17782.8	17902.8	17844.4	17812.8
17.5°	12104.1	12020.7	12180.8	12132.4	11924.1
20°	8707.2	8728.9	9033.9	8880.6	8695.5
22.5°	6353.7	6432.1	6793.8	6398.7	6253.7
25°	4230.3	4390.3	4770.3	4278.6	4143.6
27.5°	2601.8	2675.2	3060.2	2568.5	2495.2
30°	1618.4	1581.8	1763.4	1513.4	1410.1
32.5°	1061.7	1015.1	1073.4	963.4	880.1
35°	710.0	725.0	680.0	675.0	570.0
37.5°	443.4	510.0	450.0	480.0	366.7
40°	286.7	370.0	318.4	351.7	270.0
42.5°	235.0	285.0	261.7	278.4	240.0
45°	186.7	231.7	231.7	231.7	188.3
47.5°	103.3	155.0	198.3	158.3	110.0
50°	58.3	78.3	153.3	81.7	61.7
52.5°	40.0	45.0	105.0	46.7	41.7
55°	30.0	31.7	56.7	33.3	31.7
57.5°	23.3	25.0	30.0	25.0	23.3
60°	18.3	18.3	21.7	20.0	18.3
62.5°	13.3	13.3	15.0	13.3	13.3
65°	10.0	10.0	10.0	10.0	10.0
67.5°	5.0	6.7	6.7	6.7	6.7
70°	5.0	3.3	3.3	3.3	5.0
72.5°	3.3	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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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