

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: P770300

Luminaire Tested: LD6D70BD010-EU6DR3070959030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770300
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-EU6DR3070959030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8276.4 lumens
Efficiency: N/A
Efficacy: 124.3 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

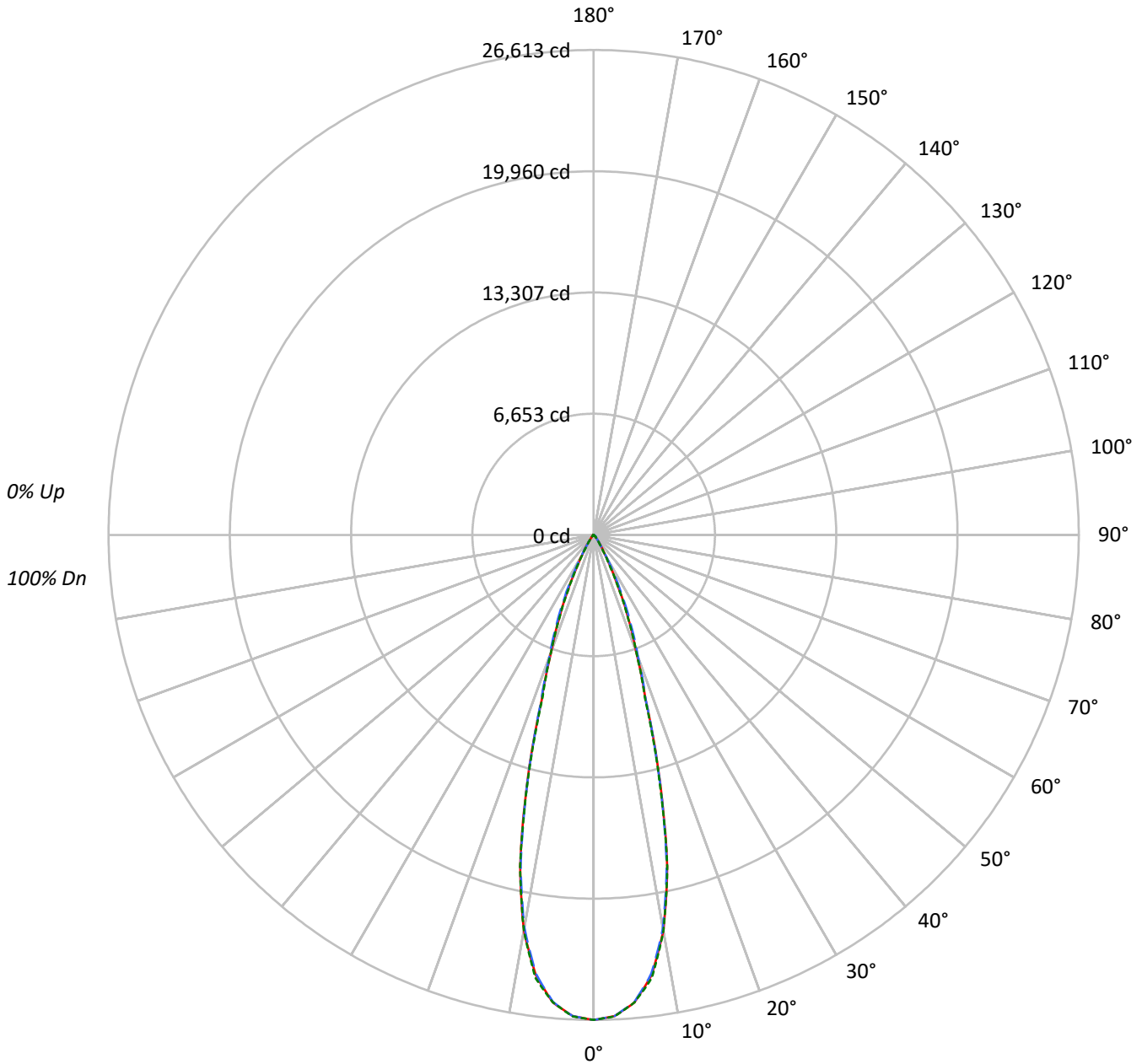


Downlight

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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°	2037019	2037019	2037019
5°	1978544	1976232	1978644
10°	1713718	1701631	1713313
15°	1118119	1112112	1106517
20°	555985	576845	555243
25°	280066	315824	274331
30°	112134	122183	97700
35°	52010	49814	41759
40°	22452	24940	21153
45°	15837	19658	15978
50°	5442	14313	5752
55°	3136	5925	3310
60°	2204	2602	2204
65°	1413	1413	1413
70°	873	582	873
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 19658 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2340.2	28.3
10°-20°	3768.9	45.5
20°-30°	1628.6	19.7
30°-40°	371.2	4.5
40°-50°	127.4	1.5
50°-60°	31.1	0.4
60°-70°	8.1	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°	7737.7	93.5
0°-40°	8108.9	98.0
0°-60°	8267.5	99.9
0°-90°	8276.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8276.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26613	26613	26613	26613	26613	
5°	25750	25725	25720	25774	25752	2342
15°	14110	13940	14034	13988	13964	3778
25°	3316	3442	3740	3354	3248	1587
35°	557	568	533	529	447	378
45°	146	182	182	182	148	104
55°	24	25	44	26	25	23
65°	8	8	8	8	8	8
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°	26612.6	26612.6	26612.6	26612.6	26612.6
2.5°	26436.2	26417.9	26428.4	26441.5	26446.7
5°	25750.3	25725.4	25720.2	25773.8	25751.6
7.5°	24366.6	24331.3	24277.7	24399.3	24512.9
10°	22048.7	22009.5	21893.2	21950.7	22043.5
12.5°	18626.7	18500.0	18497.4	18680.3	18655.5
15°	14109.9	13940.0	14034.1	13988.3	13963.5
17.5°	9488.5	9423.1	9548.6	9510.7	9347.3
20°	6825.6	6842.6	7081.7	6961.5	6816.5
22.5°	4980.7	5042.1	5325.7	5016.0	4902.3
25°	3316.1	3441.6	3739.5	3354.0	3248.2
27.5°	2039.6	2097.1	2398.9	2013.5	1956.0
30°	1268.7	1240.0	1382.4	1186.4	1105.4
32.5°	832.3	795.7	841.4	755.2	689.9
35°	556.6	568.4	533.1	529.2	446.9
37.5°	347.6	399.8	352.8	376.3	287.4
40°	224.7	290.1	249.6	275.7	211.7
42.5°	184.2	223.4	205.1	218.2	188.1
45°	146.3	181.6	181.6	181.6	147.6
47.5°	81.0	121.5	155.5	124.1	86.2
50°	45.7	61.4	120.2	64.0	48.3
52.5°	31.4	35.3	82.3	36.6	32.7
55°	23.5	24.8	44.4	26.1	24.8
57.5°	18.3	19.6	23.5	19.6	18.3
60°	14.4	14.4	17.0	15.7	14.4
62.5°	10.5	10.5	11.8	10.5	10.5
65°	7.8	7.8	7.8	7.8	7.8
67.5°	3.9	5.2	5.2	5.2	5.2
70°	3.9	2.6	2.6	2.6	3.9
72.5°	2.6	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

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— 0°-180° - - 45°-225° - - - 90°-270°

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