

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: P772653

Luminaire Tested: LD6D85BD010-EU6DR3070959035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772653
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: LD6D85BD010-EU6DR3070959035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10661.5 lumens
Efficiency: N/A
Efficacy: 121.6 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): 87.7
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

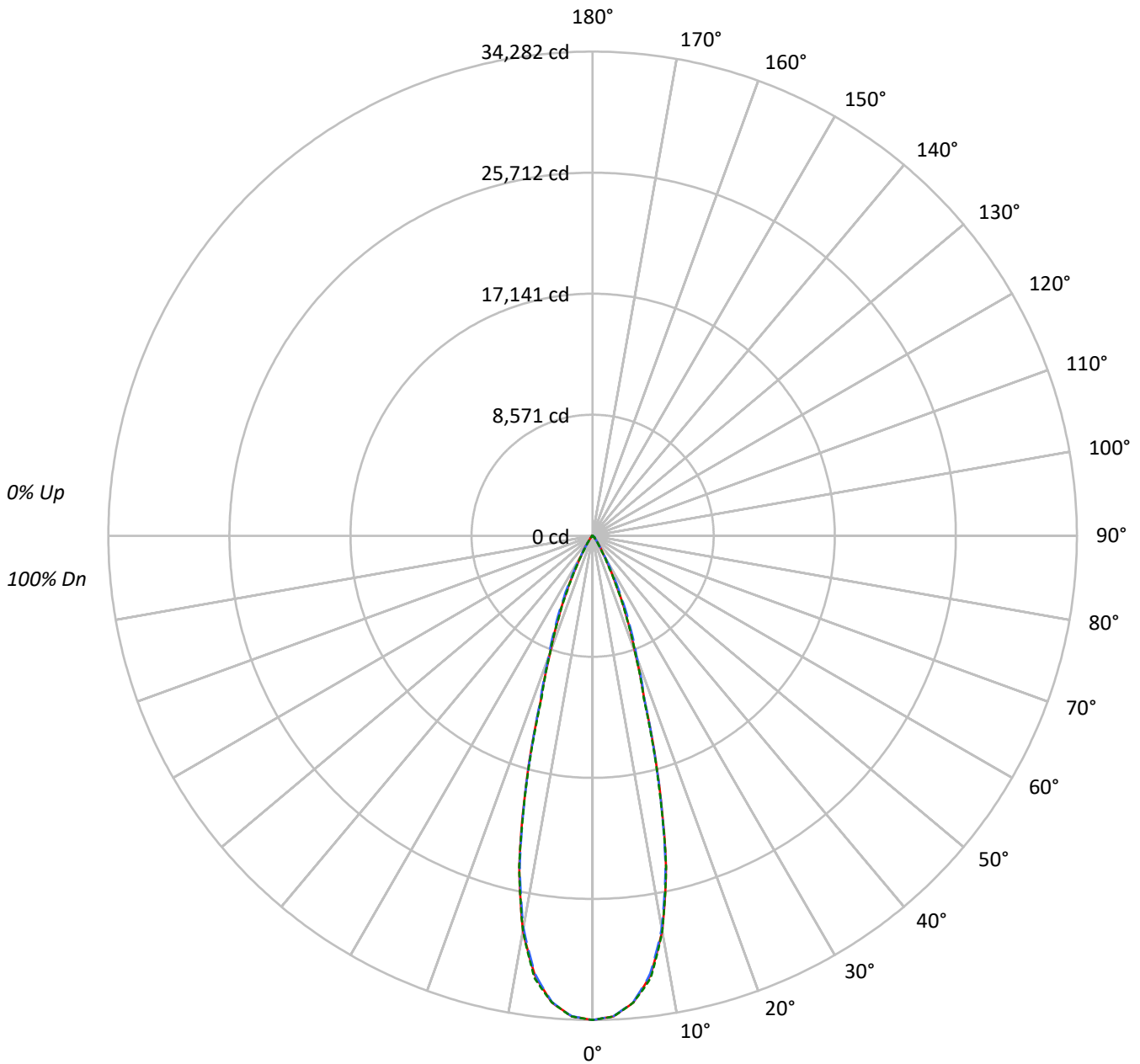


Downlight

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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°	2624053	2624053	2624053
5°	2548720	2545746	2548850
10°	2207577	2192009	2207056
15°	1440339	1432597	1425393
20°	716208	743080	715255
25°	360780	406834	353382
30°	144447	157387	125851
35°	66998	64167	53785
40°	28927	32124	27248
45°	20405	25330	20589
50°	7014	18434	7419
55°	4044	7633	4270
60°	2832	3353	2832
65°	1829	1829	1829
70°	1119	761	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: 25330 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3014.6	28.3
10°-20°	4855.0	45.5
20°-30°	2098.0	19.7
30°-40°	478.2	4.5
40°-50°	164.2	1.5
50°-60°	40.1	0.4
60°-70°	10.4	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°	9967.5	93.5
0°-40°	10445.7	98.0
0°-60°	10650.0	99.9
0°-90°	10661.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10661.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	34282	34282	34282	34282	34282	
5°	33171	33139	33132	33201	33173	3017
15°	18176	17957	18078	18020	17988	4867
25°	4272	4433	4817	4321	4184	2045
35°	717	732	687	682	576	486
45°	188	234	234	234	190	134
55°	30	32	57	34	32	30
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°	34281.9	34281.9	34281.9	34281.9	34281.9
2.5°	34054.6	34031.1	34044.5	34061.4	34068.1
5°	33171.0	33139.0	33132.3	33201.3	33172.7
7.5°	31388.6	31343.1	31274.1	31430.7	31577.1
10°	28402.7	28352.2	28202.4	28276.5	28396.0
12.5°	23994.6	23831.4	23828.0	24063.6	24031.6
15°	18176.1	17957.2	18078.4	18019.5	17987.5
17.5°	12222.8	12138.7	12300.3	12251.5	12041.1
20°	8792.6	8814.5	9122.5	8967.7	8780.9
22.5°	6416.1	6495.2	6860.4	6461.5	6315.1
25°	4271.8	4433.3	4817.1	4320.6	4184.2
27.5°	2627.4	2701.4	3090.2	2593.7	2519.6
30°	1634.3	1597.3	1780.7	1528.3	1423.9
32.5°	1072.1	1025.0	1083.9	972.8	888.7
35°	717.0	732.2	686.7	681.7	575.6
37.5°	447.7	515.0	454.4	484.7	370.3
40°	289.5	373.7	321.5	355.1	272.7
42.5°	237.3	287.8	264.3	281.1	242.4
45°	188.5	234.0	234.0	234.0	190.2
47.5°	104.4	156.5	200.3	159.9	111.1
50°	58.9	79.1	154.8	82.5	62.3
52.5°	40.4	45.4	106.0	47.1	42.1
55°	30.3	32.0	57.2	33.7	32.0
57.5°	23.6	25.2	30.3	25.2	23.6
60°	18.5	18.5	21.9	20.2	18.5
62.5°	13.5	13.5	15.1	13.5	13.5
65°	10.1	10.1	10.1	10.1	10.1
67.5°	5.0	6.7	6.7	6.7	6.7
70°	5.0	3.4	3.4	3.4	5.0
72.5°	3.4	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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(END OF REPORT)