

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: P746659

Luminaire Tested: LD4D30D010-EU4DR7020359050-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746659
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D30D010-EU4DR7020359050-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3043.2 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 29
Input Voltage (V): NR
Input Current (Ain): 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

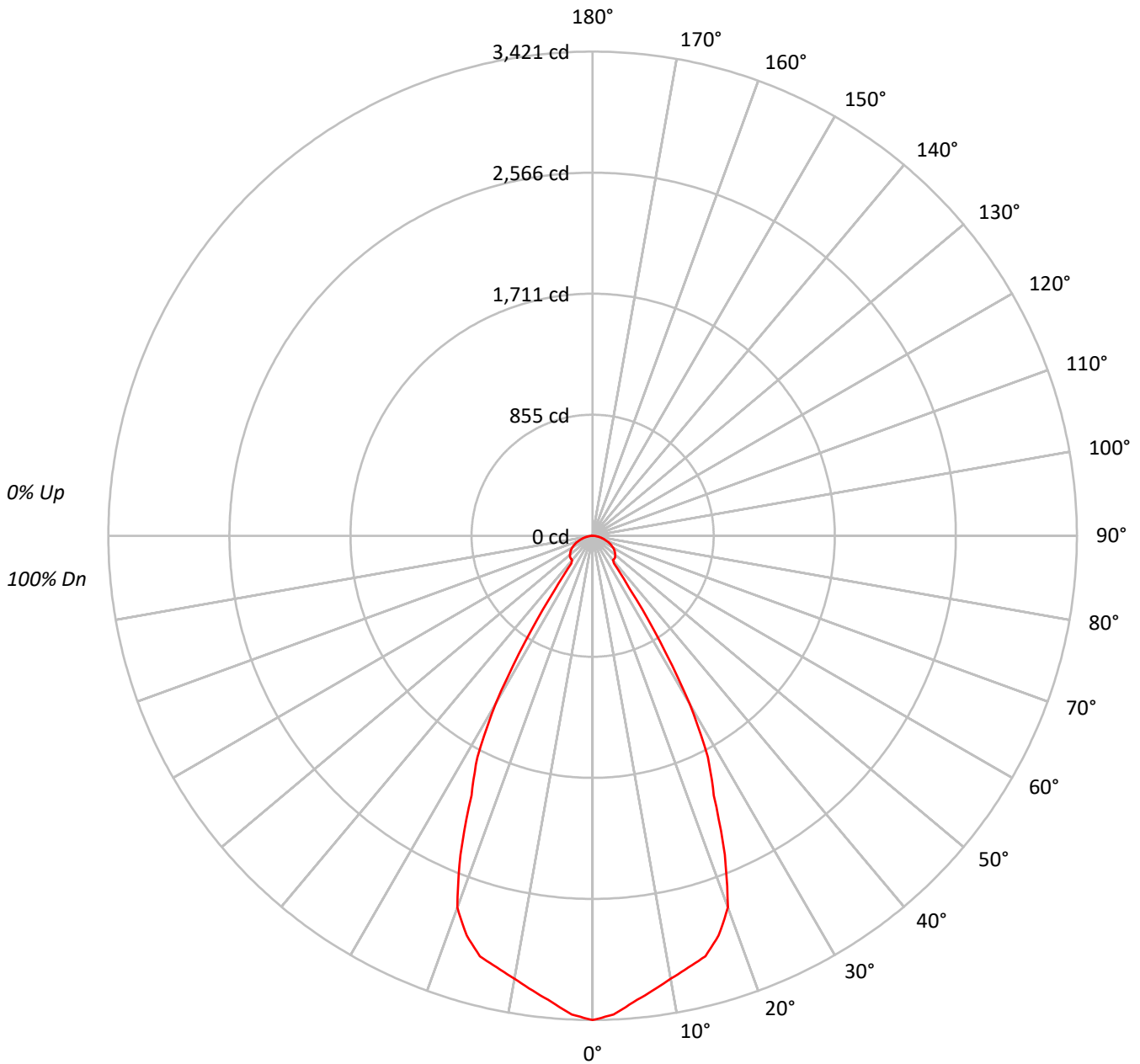


Downlight



TEST NUMBER: P746659
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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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	373825
5°	362716
10°	352609
15°	347976
20°	324936
25°	244114
30°	172566
35°	61129
40°	32134
45°	34241
50°	35458
55°	36117
60°	36340
65°	35574
70°	33575
75°	31113
80°	27622
85°	22440

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 36359 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.9	10.2
10°-20°	855.6	28.1
20°-30°	942.3	31.0
30°-40°	360.0	11.8
40°-50°	170.0	5.6
50°-60°	169.0	5.6
60°-70°	135.3	4.4
70°-80°	77.8	2.6
80°-90°	21.1	0.7
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°	2109.9	69.3
0°-40°	2469.9	81.2
0°-60°	2808.9	92.3
0°-90°	3043.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3043.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3421	
5°	3307	312
15°	3076	856
25°	2025	942
35°	458	360
45°	222	170
55°	190	169
65°	138	135
75°	74	78
85°	18	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3421.4
2.5°	3385.6
5°	3307.1
7.5°	3241.5
10°	3178.2
12.5°	3124.5
15°	3076.3
17.5°	2959.8
20°	2794.6
22.5°	2438.2
25°	2024.9
27.5°	1762.7
30°	1367.8
32.5°	883.5
35°	458.3
37.5°	247.6
40°	225.3
42.5°	223.7
45°	221.6
47.5°	216.7
50°	208.6
52.5°	199.3
55°	189.6
57.5°	178.8
60°	166.3
62.5°	152.2
65°	137.6
67.5°	121.4
70°	105.1
72.5°	88.9
75°	73.7
77.5°	58.0
80°	43.9
82.5°	30.9
85°	17.9
87.5°	7.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)