

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: P746620

Luminaire Tested: LD4D30D010-EU4DR7020359030-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746620
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-EU4DR7020359030-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2838.5 lumens
Efficiency: N/A
Efficacy: 97.9 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 (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

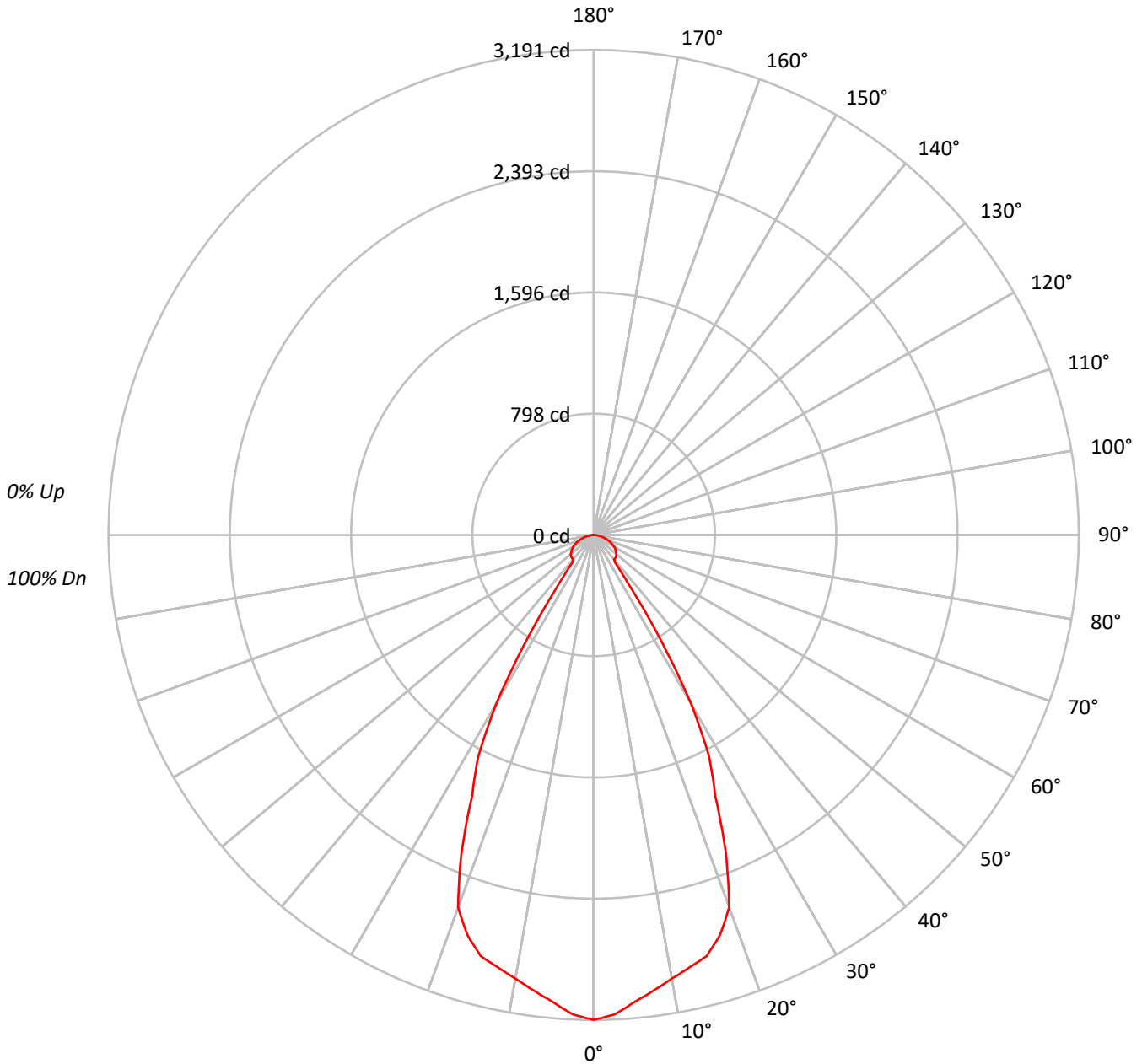


Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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°	348684
5°	338324
10°	328900
15°	324584
20°	303100
25°	227694
30°	160959
35°	57021
40°	29981
45°	31939
50°	33061
55°	33698
60°	33893
65°	33170
70°	31307
75°	29002
80°	25735
85°	20936

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 33899 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.0	10.3
10°-20°	798.1	28.1
20°-30°	879.0	31.0
30°-40°	335.8	11.8
40°-50°	158.6	5.6
50°-60°	157.6	5.6
60°-70°	126.2	4.4
70°-80°	72.5	2.6
80°-90°	19.7	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°	1968.0	69.3
0°-40°	2303.9	81.2
0°-60°	2620.1	92.3
0°-90°	2838.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2838.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3191	
5°	3085	291
15°	2870	798
25°	1889	879
35°	428	336
45°	207	159
55°	177	158
65°	128	126
75°	69	73
85°	17	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3191.3
2.5°	3158.0
5°	3084.7
7.5°	3023.6
10°	2964.5
12.5°	2914.4
15°	2869.5
17.5°	2760.9
20°	2606.8
22.5°	2274.3
25°	1888.7
27.5°	1644.2
30°	1275.8
32.5°	824.1
35°	427.5
37.5°	230.9
40°	210.2
42.5°	208.7
45°	206.7
47.5°	202.1
50°	194.5
52.5°	185.9
55°	176.9
57.5°	166.7
60°	155.1
62.5°	142.0
65°	128.3
67.5°	113.2
70°	98.0
72.5°	82.8
75°	68.7
77.5°	54.1
80°	40.9
82.5°	28.8
85°	16.7
87.5°	6.6
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)