

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: P745547

Luminaire Tested: LD4D25D010-EU4DR6020359035-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P745547
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D25D010-EU4DR6020359035-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2012.9 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.84
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 25.1
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



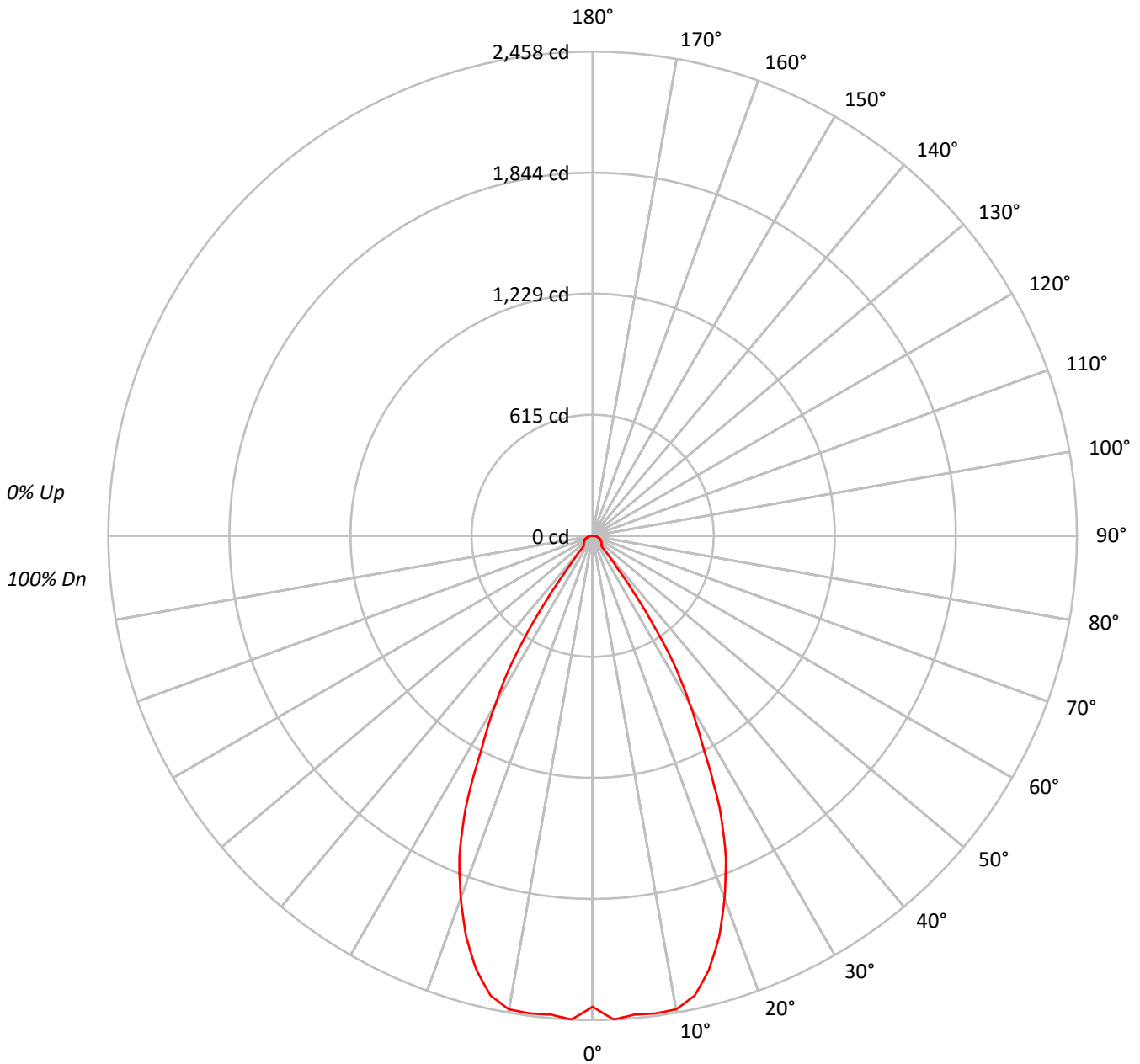
Downlight



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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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	261199
5°	267626
10°	270853
15°	258027
20°	227499
25°	184004
30°	124473
35°	62370
40°	10112
45°	9905
50°	10097
55°	10248
60°	10533
65°	10781
70°	11021
75°	11187
80°	10759
85°	9026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 11187 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.2	11.6
10°-20°	631.0	31.3
20°-30°	678.9	33.7
30°-40°	295.1	14.7
40°-50°	49.5	2.5
50°-60°	48.2	2.4
60°-70°	41.2	2.0
70°-80°	27.6	1.4
80°-90°	8.3	0.4
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°	1543.1	76.7
0°-40°	1838.2	91.3
0°-60°	1935.9	96.2
0°-90°	2012.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2012.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2391	
5°	2440	233
15°	2281	631
25°	1526	679
35°	468	295
45°	64	50
55°	54	48
65°	42	41
75°	26	28
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2390.6
2.5°	2457.8
5°	2440.1
7.5°	2445.7
10°	2441.3
12.5°	2391.0
15°	2281.1
17.5°	2133.7
20°	1956.6
22.5°	1767.2
25°	1526.3
27.5°	1220.8
30°	986.6
32.5°	760.4
35°	467.6
37.5°	200.1
40°	70.9
42.5°	65.3
45°	64.1
47.5°	61.9
50°	59.4
52.5°	56.6
55°	53.8
57.5°	51.0
60°	48.2
62.5°	45.1
65°	41.7
67.5°	38.3
70°	34.5
72.5°	30.5
75°	26.5
77.5°	21.8
80°	17.1
82.5°	12.1
85°	7.2
87.5°	2.5
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)