

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: P745539

Luminaire Tested: LD4D25D010-EU4DR6020359035-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P745539
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-EU4DR6020359035-4LBDP1B
Description: 4 INCH ROUND 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: 1986.5 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 25.1
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



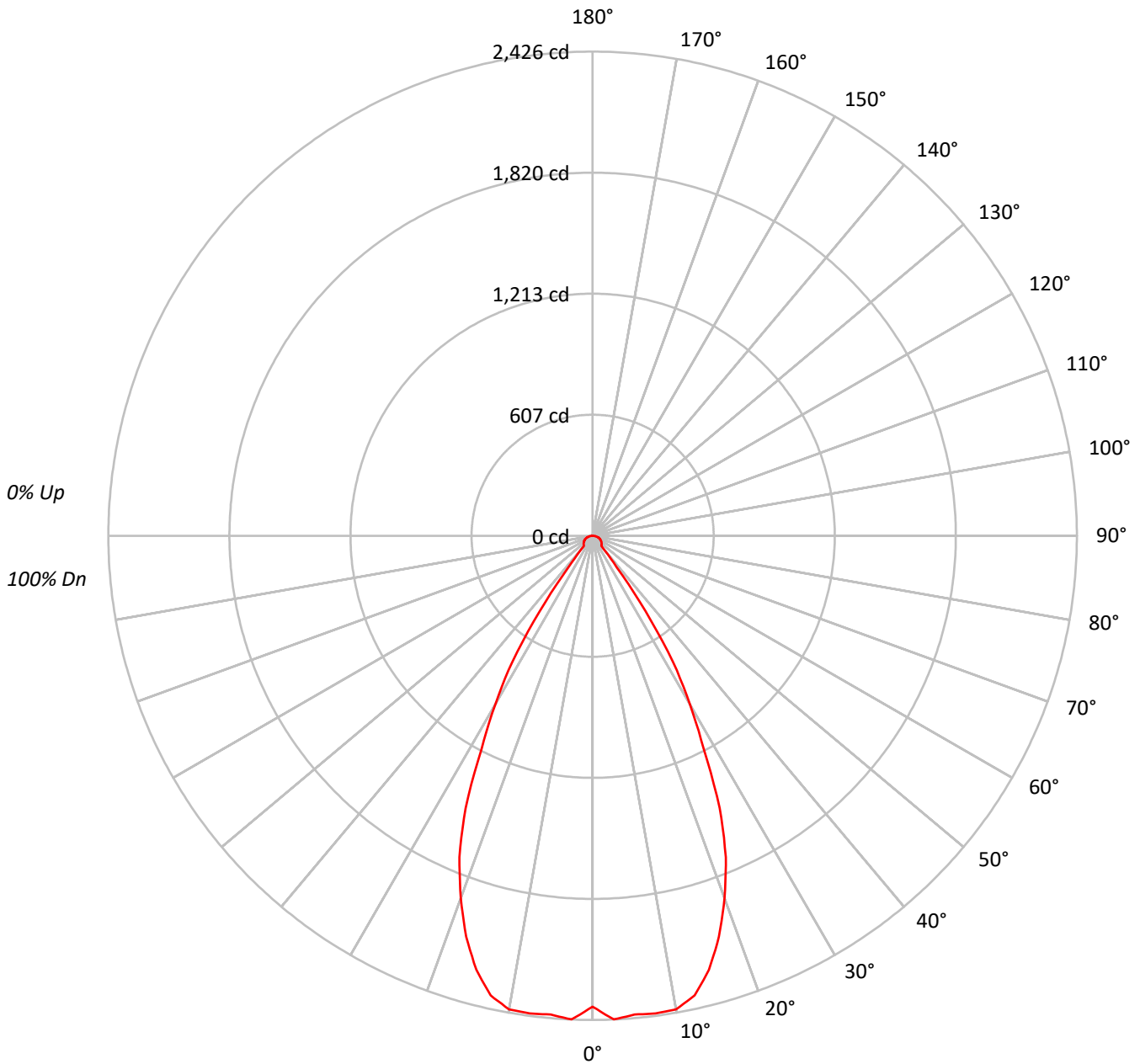
Downlight



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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
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°	257768
5°	264105
10°	267303
15°	254633
20°	224511
25°	181593
30°	122833
35°	61556
40°	9984
45°	9781
50°	9978
55°	10115
60°	10402
65°	10626
70°	10893
75°	11018
80°	10634
85°	8775

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 11018 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.1	11.6
10°-20°	622.7	31.3
20°-30°	670.0	33.7
30°-40°	291.2	14.7
40°-50°	48.9	2.5
50°-60°	47.6	2.4
60°-70°	40.7	2.0
70°-80°	27.2	1.4
80°-90°	8.1	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°	1522.8	76.7
0°-40°	1814.0	91.3
0°-60°	1910.5	96.2
0°-90°	1986.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1986.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2359	
5°	2408	230
15°	2251	623
25°	1506	670
35°	462	291
45°	63	49
55°	53	48
65°	41	41
75°	26	27
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2359.2
2.5°	2425.5
5°	2408.0
7.5°	2413.6
10°	2409.3
12.5°	2359.5
15°	2251.1
17.5°	2105.6
20°	1930.9
22.5°	1743.9
25°	1506.3
27.5°	1204.8
30°	973.6
32.5°	750.4
35°	461.5
37.5°	197.4
40°	70.0
42.5°	64.5
45°	63.3
47.5°	61.1
50°	58.7
52.5°	55.9
55°	53.1
57.5°	50.4
60°	47.6
62.5°	44.5
65°	41.1
67.5°	37.8
70°	34.1
72.5°	30.1
75°	26.1
77.5°	21.5
80°	16.9
82.5°	12.0
85°	7.0
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)