

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: P745535

Luminaire Tested: LD4D25D010-EU4DR6020359030-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P745535
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-EU4DR6020359030-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2147.9 lumens
Efficiency: N/A
Efficacy: 85.6 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 (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

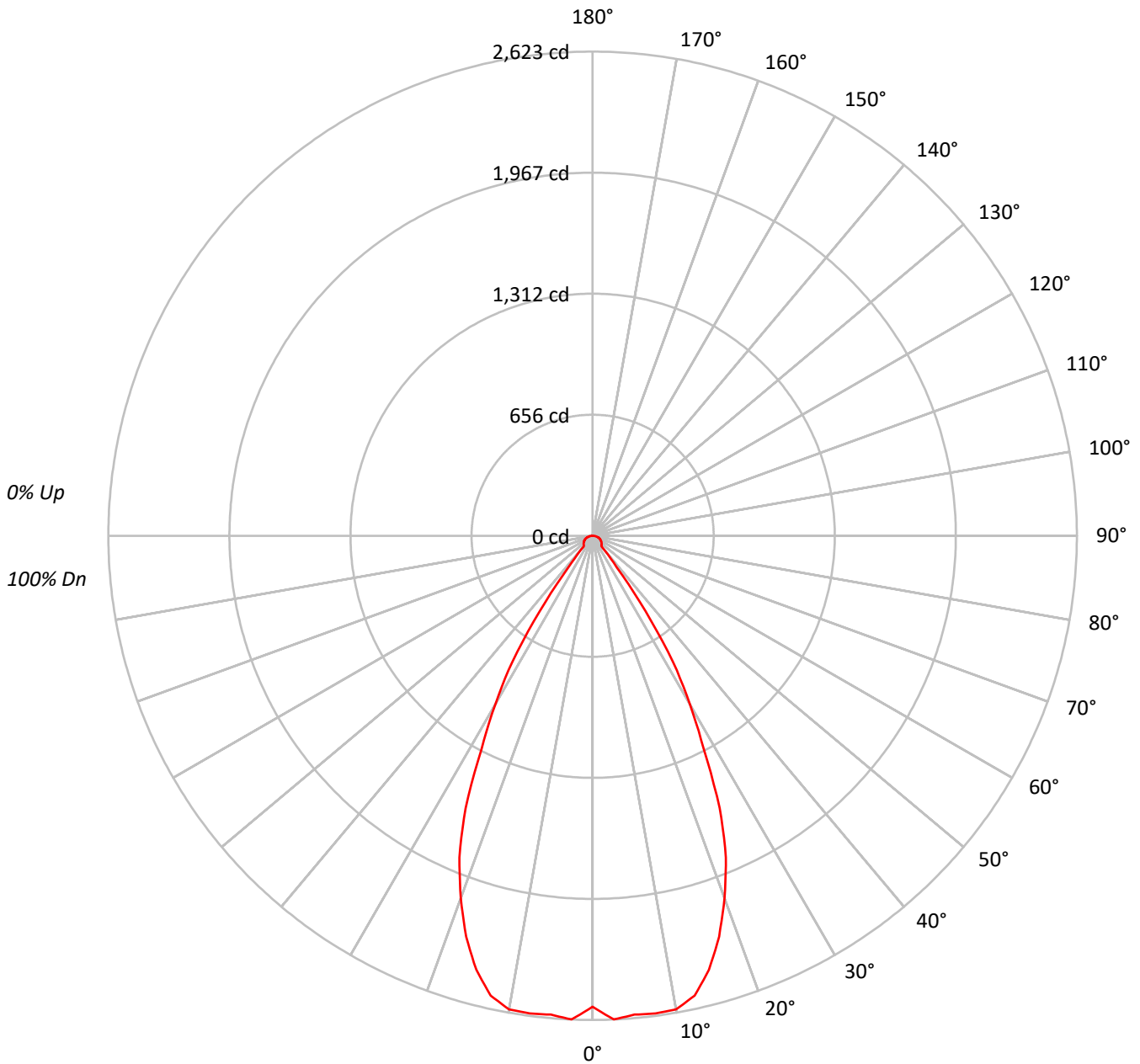


Downlight



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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
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°	278713
5°	285580
10°	289026
15°	275333
20°	242754
25°	196349
30°	132812
35°	66558
40°	10797
45°	10569
50°	10777
55°	10934
60°	11254
65°	11505
70°	11756
75°	11905
80°	11514
85°	9528

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 11905 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.9	11.6
10°-20°	673.3	31.3
20°-30°	724.4	33.7
30°-40°	314.9	14.7
40°-50°	52.9	2.5
50°-60°	51.4	2.4
60°-70°	44.0	2.0
70°-80°	29.4	1.4
80°-90°	8.8	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°	1646.5	76.7
0°-40°	1961.4	91.3
0°-60°	2065.7	96.2
0°-90°	2147.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2147.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2551	
5°	2604	249
15°	2434	673
25°	1629	724
35°	499	315
45°	68	53
55°	57	51
65°	44	44
75°	28	29
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2550.9
2.5°	2622.7
5°	2603.8
7.5°	2609.7
10°	2605.1
12.5°	2551.3
15°	2434.1
17.5°	2276.7
20°	2087.8
22.5°	1885.7
25°	1628.7
27.5°	1302.7
30°	1052.7
32.5°	811.4
35°	499.0
37.5°	213.5
40°	75.7
42.5°	69.7
45°	68.4
47.5°	66.1
50°	63.4
52.5°	60.4
55°	57.4
57.5°	54.4
60°	51.5
62.5°	48.1
65°	44.5
67.5°	40.9
70°	36.8
72.5°	32.5
75°	28.2
77.5°	23.3
80°	18.3
82.5°	12.9
85°	7.6
87.5°	2.6
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)