

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: P745516

Luminaire Tested: LD4D25D010-EU4DR6020359027-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P745516
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-EU4DR6020359027-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2095.7 lumens
Efficiency: N/A
Efficacy: 83.5 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

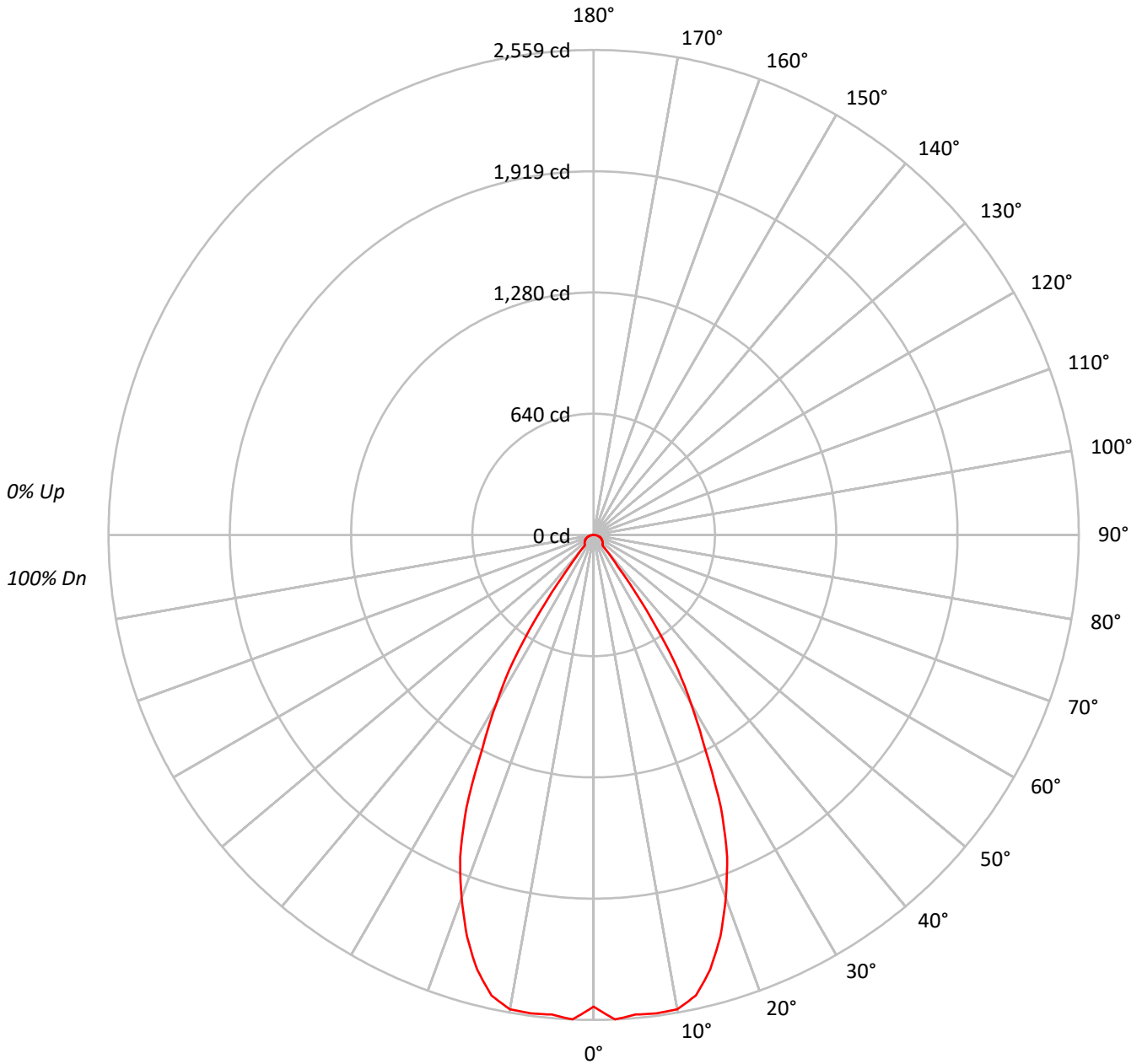


Downlight



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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	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°	271950
5°	278637
10°	282003
15°	268648
20°	236859
25°	191575
30°	129582
35°	64931
40°	10540
45°	10306
50°	10522
55°	10667
60°	10970
65°	11220
70°	11500
75°	11651
80°	11200
85°	9277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 11651 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.8	11.6
10°-20°	656.9	31.3
20°-30°	706.8	33.7
30°-40°	307.2	14.7
40°-50°	51.6	2.5
50°-60°	50.2	2.4
60°-70°	42.9	2.0
70°-80°	28.7	1.4
80°-90°	8.6	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°	1606.5	76.7
0°-40°	1913.7	91.3
0°-60°	2015.5	96.2
0°-90°	2095.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2095.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2489	
5°	2540	243
15°	2375	657
25°	1589	707
35°	487	307
45°	67	52
55°	56	50
65°	43	43
75°	28	29
85°	7	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2489.0
2.5°	2559.0
5°	2540.5
7.5°	2546.3
10°	2541.8
12.5°	2489.3
15°	2375.0
17.5°	2221.4
20°	2037.1
22.5°	1839.9
25°	1589.1
27.5°	1271.0
30°	1027.1
32.5°	791.6
35°	486.8
37.5°	208.3
40°	73.9
42.5°	68.0
45°	66.7
47.5°	64.5
50°	61.9
52.5°	59.0
55°	56.0
57.5°	53.1
60°	50.2
62.5°	47.0
65°	43.4
67.5°	39.8
70°	36.0
72.5°	31.7
75°	27.6
77.5°	22.7
80°	17.8
82.5°	12.6
85°	7.4
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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