

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: P745567

Luminaire Tested: LD4D25D010-EU4DR6020359050-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P745567
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-EU4DR6020359050-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2689.9 lumens
Efficiency: N/A
Efficacy: 107.2 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

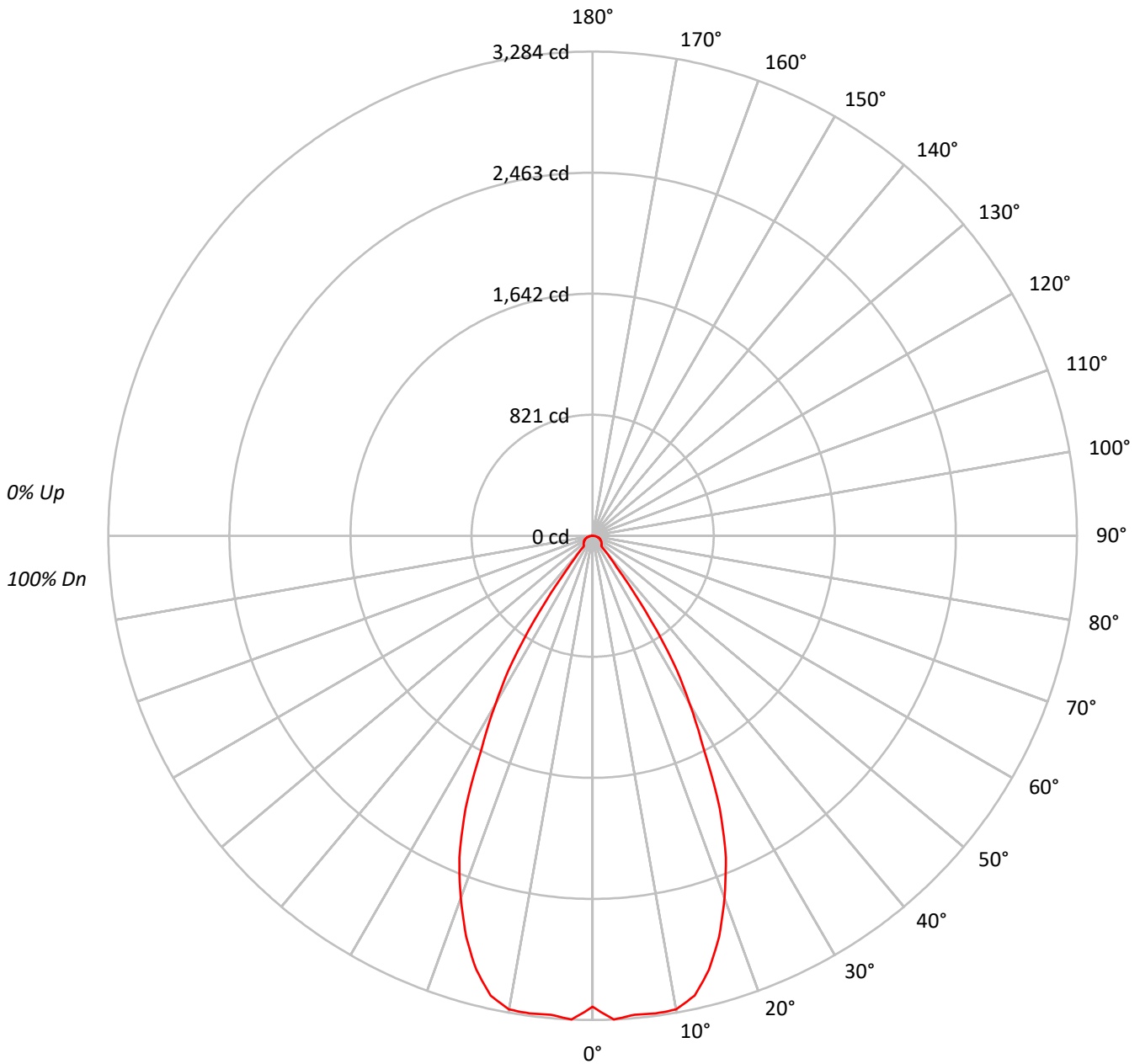


Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	349033
5°	357627
10°	361940
15°	344797
20°	304007
25°	245886
30°	166321
35°	83351
40°	13521
45°	13242
50°	13496
55°	13696
60°	14095
65°	14400
70°	14727
75°	14944
80°	14409
85°	12035

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 14944 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.6	11.6
10°-20°	843.2	31.3
20°-30°	907.2	33.7
30°-40°	394.3	14.7
40°-50°	66.2	2.5
50°-60°	64.4	2.4
60°-70°	55.1	2.0
70°-80°	36.9	1.4
80°-90°	11.0	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°	2062.0	76.7
0°-40°	2456.3	91.3
0°-60°	2586.9	96.2
0°-90°	2689.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2689.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3194	
5°	3261	312
15°	3048	843
25°	2040	907
35°	625	394
45°	86	66
55°	72	64
65°	56	55
75°	35	37
85°	10	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3194.5
2.5°	3284.4
5°	3260.7
7.5°	3268.2
10°	3262.3
12.5°	3194.9
15°	3048.2
17.5°	2851.2
20°	2614.6
22.5°	2361.4
25°	2039.6
27.5°	1631.4
30°	1318.3
32.5°	1016.1
35°	624.9
37.5°	267.3
40°	94.8
42.5°	87.3
45°	85.7
47.5°	82.7
50°	79.4
52.5°	75.7
55°	71.9
57.5°	68.2
60°	64.5
62.5°	60.3
65°	55.7
67.5°	51.2
70°	46.1
72.5°	40.7
75°	35.4
77.5°	29.1
80°	22.9
82.5°	16.2
85°	9.6
87.5°	3.3
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)