

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: P745389

Luminaire Tested: LD4D25D010-EU4DR5020359035-4LBS1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P745389
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D25D010-EU4DR5020359035-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2884.1 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
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

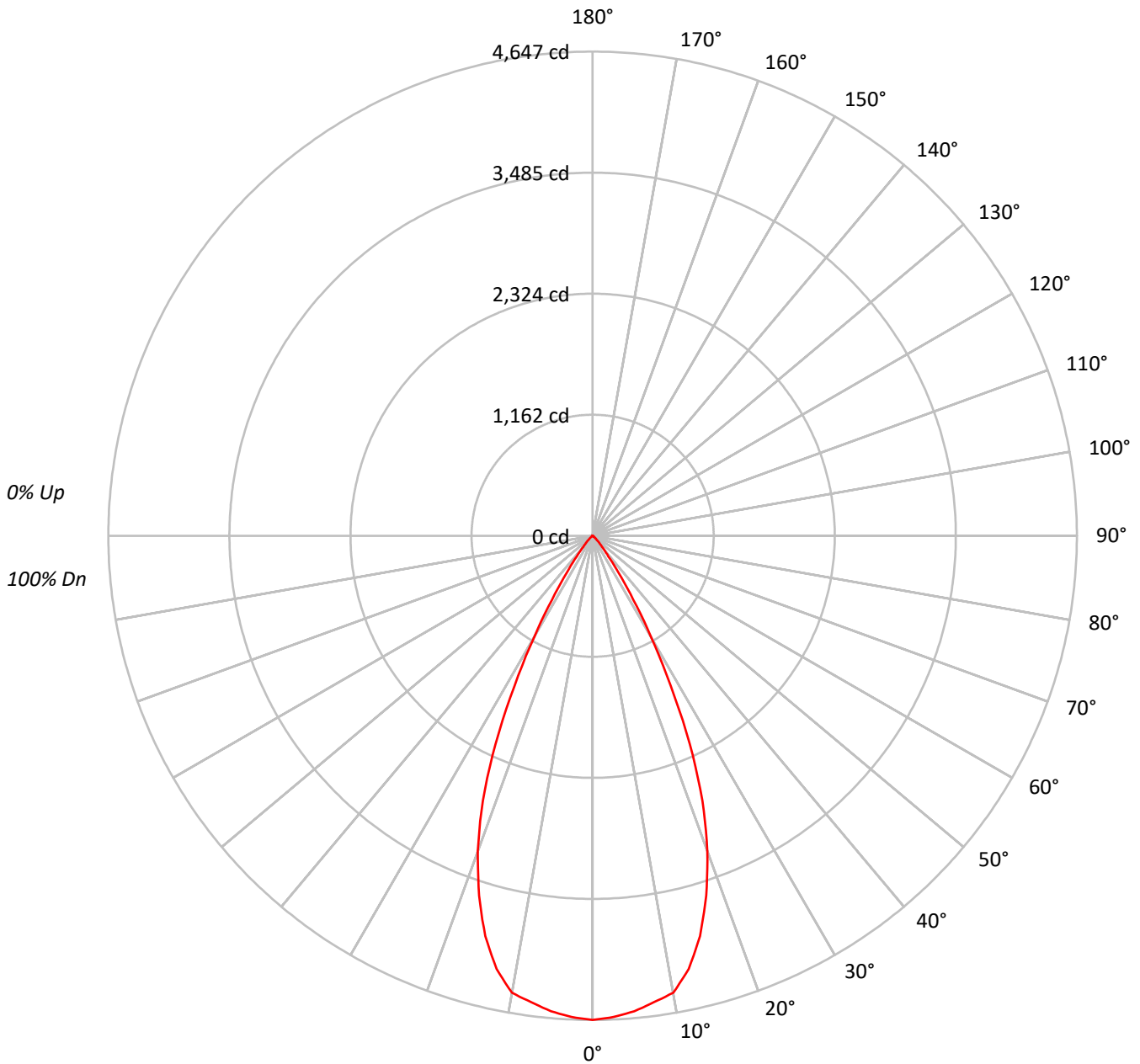


Downlight



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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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95				
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90				
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85				
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80				
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76				
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72				
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69				
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65				
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62				
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	507735
5°	502424
10°	494144
15°	449960
20°	374422
25°	265778
30°	140672
35°	57328
40°	21295
45°	9750
50°	3995
55°	2076
60°	1027
65°	310
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9750 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.0	15.0
10°-20°	1094.2	37.9
20°-30°	982.9	34.1
30°-40°	307.7	10.7
40°-50°	53.9	1.9
50°-60°	10.7	0.4
60°-70°	1.6	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	2510.1	87.0
0°-40°	2817.9	97.7
0°-60°	2882.5	99.9
0°-90°	2884.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2884.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4647	
5°	4581	433
15°	3978	1094
25°	2205	983
35°	430	308
45°	63	54
55°	11	11
65°	1	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4647.0
2.5°	4623.9
5°	4580.9
7.5°	4515.0
10°	4453.9
12.5°	4258.0
15°	3977.9
17.5°	3622.1
20°	3220.2
22.5°	2755.1
25°	2204.6
27.5°	1620.8
30°	1115.0
32.5°	726.0
35°	429.8
37.5°	246.8
40°	149.3
42.5°	97.2
45°	63.1
47.5°	38.4
50°	23.5
52.5°	16.0
55°	10.9
57.5°	7.4
60°	4.7
62.5°	2.8
65°	1.2
67.5°	0.4
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)