

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: P744921

Luminaire Tested: LD4D25D010-EU4DR2015309035-4LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P744921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D25D010-EU4DR2015309035-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2946.2 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
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

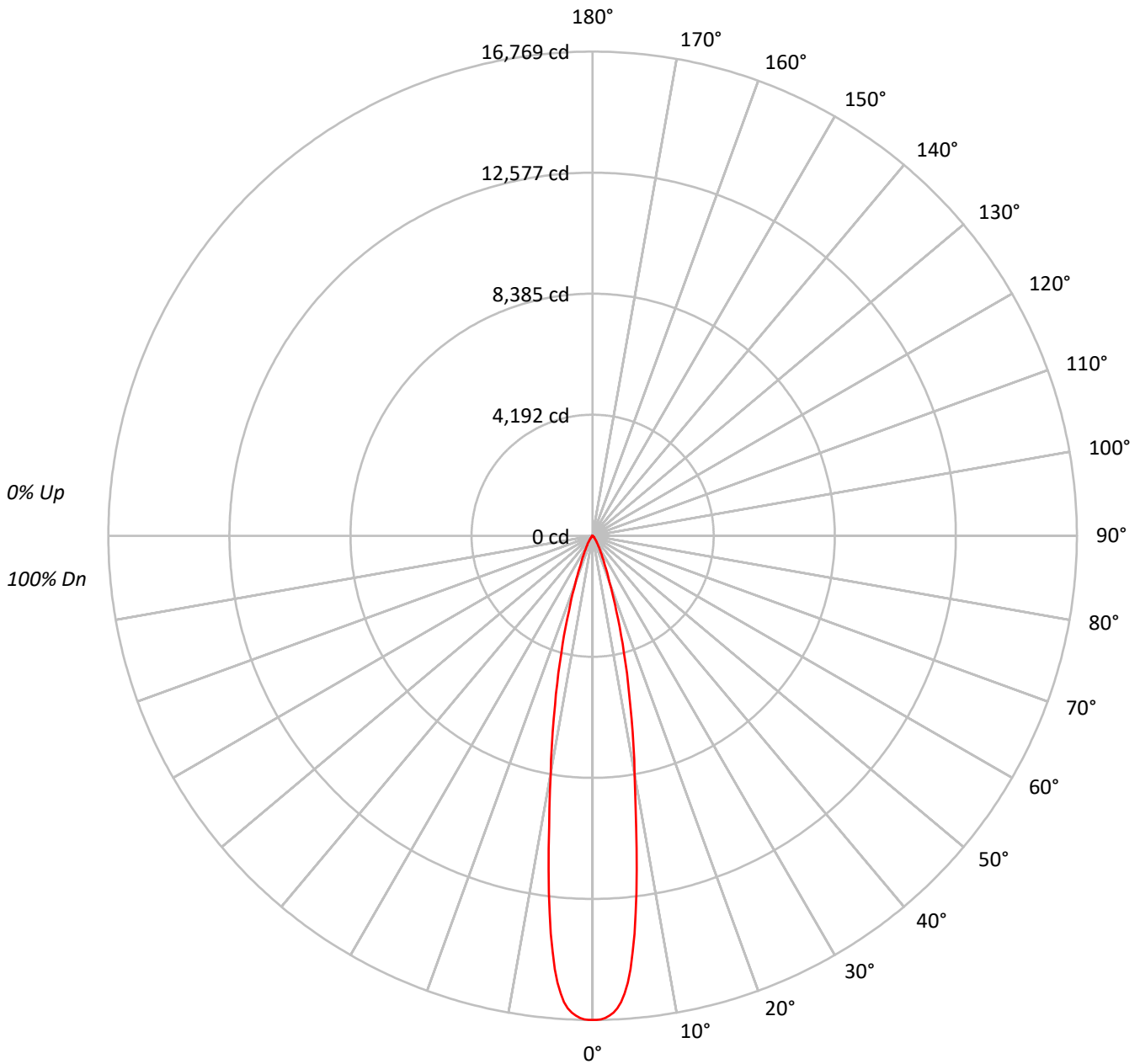


Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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				100															
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	98	96	95	94														
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	98	96	95	94														
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	98	96	95	94														
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	96	94	93	92														
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	93	91	90	89														
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	91	89	88	87														
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	89	87	86	85														
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	87	85	84	83														
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	85	83	82	81														
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	83	81	80	79														

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1832183
5°	1652970
10°	927733
15°	471588
20°	199664
25°	92165
30°	48787
35°	26290
40°	14063
45°	8313
50°	4827
55°	2553
60°	1639
65°	1163
70°	479
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8313 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1193.9	40.5
10°-20°	1175.6	39.9
20°-30°	384.1	13.0
30°-40°	130.8	4.4
40°-50°	44.0	1.5
50°-60°	13.2	0.4
60°-70°	4.4	0.2
70°-80°	0.2	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°	2753.6	93.5
0°-40°	2884.3	97.9
0°-60°	2941.6	99.8
0°-90°	2946.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2946.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16769	
5°	15071	###
15°	4169	1176
25°	764	384
35°	197	131
45°	54	44
55°	13	13
65°	4	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16768.9
0.5°	16768.9
1°	16748.0
1.5°	16706.1
2°	16630.0
2.5°	16528.5
3°	16385.1
3.5°	16185.0
4°	15887.9
4.5°	15526.5
5°	15071.1
5.5°	14472.3
6°	13858.6
6.5°	13155.3
7°	12466.9
7.5°	11660.6
8°	10940.8
8.5°	10216.6
9°	9547.6
9.5°	8933.9
10°	8362.0
12.5°	6004.2
15°	4169.1
17.5°	2723.6
20°	1717.2
22.5°	1112.4
25°	764.5
27.5°	537.6
30°	386.7
32.5°	277.7
35°	197.1
37.5°	137.4
40°	98.6
42.5°	71.7
45°	53.8
47.5°	41.8
50°	28.4
52.5°	17.9
55°	13.4
57.5°	10.5
60°	7.5
62.5°	6.0
65°	4.5



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CANDELA DISTRIBUTION (continued):

	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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Scaled Data Report





67.5°		3.0
70°		1.5

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(END OF REPORT)