

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: P745710

Luminaire Tested: LD4D25D010-EU4DR7020359040-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P745710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D25D010-EU4DR7020359040-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2739.8 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

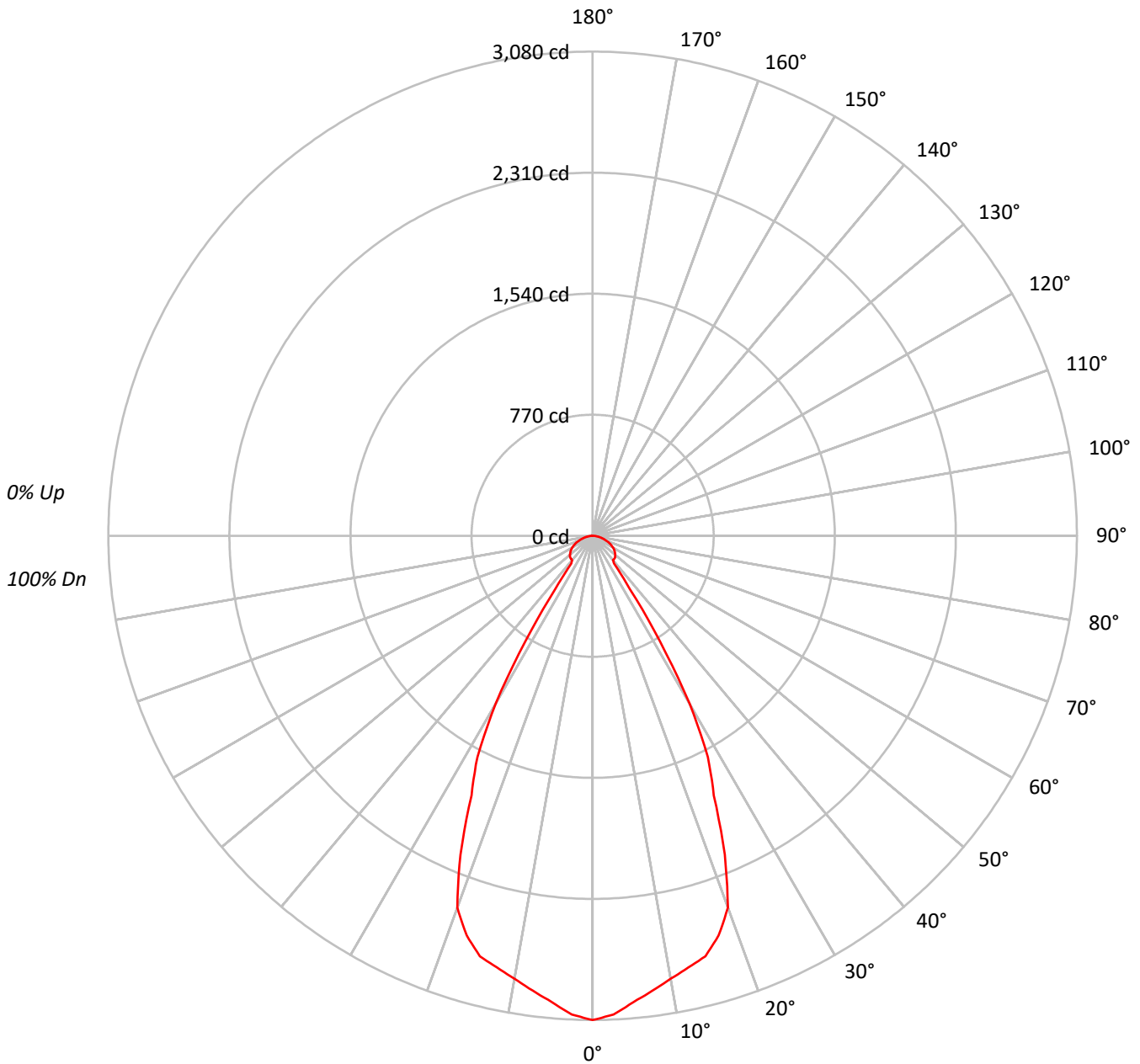


Downlight



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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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	336567
5°	326567
10°	317462
15°	313295
20°	292554
25°	219773
30°	155358
35°	55034
40°	28940
45°	30811
50°	31922
55°	32517
60°	32713
65°	32032
70°	30221
75°	27989
80°	24854
85°	20183

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 32719 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.8	10.3
10°-20°	770.3	28.1
20°-30°	848.4	31.0
30°-40°	324.1	11.8
40°-50°	153.0	5.6
50°-60°	152.1	5.6
60°-70°	121.8	4.4
70°-80°	70.0	2.6
80°-90°	19.1	0.7
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°	1899.6	69.3
0°-40°	2223.7	81.2
0°-60°	2528.9	92.3
0°-90°	2739.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2739.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3080	
5°	2978	281
15°	2770	770
25°	1823	848
35°	413	324
45°	199	153
55°	171	152
65°	124	122
75°	66	70
85°	16	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3080.4
2.5°	3048.2
5°	2977.5
7.5°	2918.4
10°	2861.4
12.5°	2813.1
15°	2769.7
17.5°	2664.8
20°	2516.1
22.5°	2195.1
25°	1823.0
27.5°	1587.0
30°	1231.4
32.5°	795.4
35°	412.6
37.5°	222.9
40°	202.9
42.5°	201.4
45°	199.4
47.5°	195.1
50°	187.8
52.5°	179.4
55°	170.7
57.5°	160.9
60°	149.7
62.5°	137.0
65°	123.9
67.5°	109.3
70°	94.6
72.5°	80.0
75°	66.3
77.5°	52.2
80°	39.5
82.5°	27.8
85°	16.1
87.5°	6.4
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)