

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: P745684

Luminaire Tested: LD4D25D010-EU4DR7020359030-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P745684
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-EU4DR7020359030-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2525.4 lumens
Efficiency: N/A
Efficacy: 100.6 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

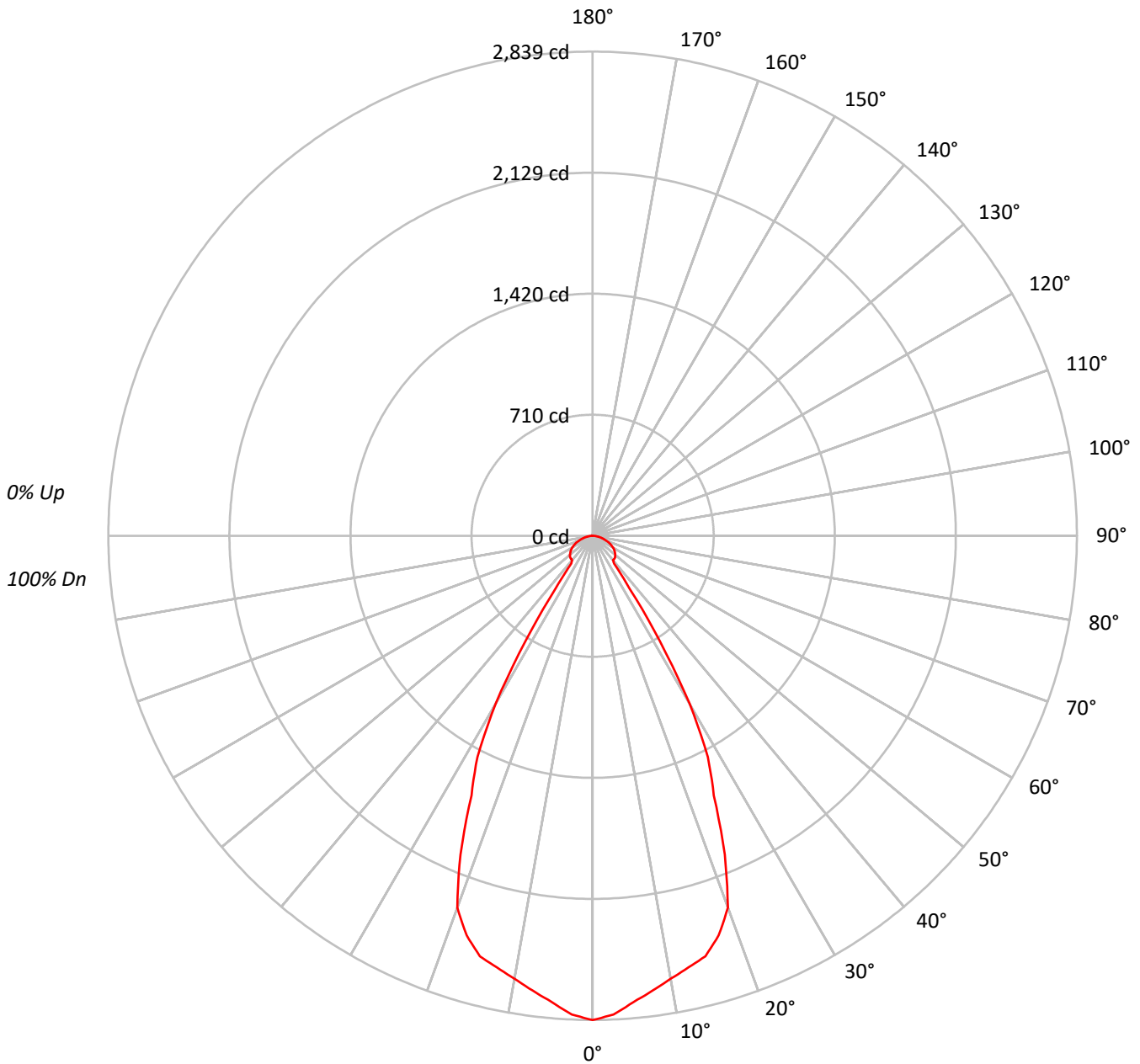


Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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			100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			50
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	310235
5°	301012
10°	292621
15°	288783
20°	269660
25°	202582
30°	143208
35°	50725
40°	26672
45°	28416
50°	29423
55°	29964
60°	30156
65°	29524
70°	27857
75°	25793
80°	22903
85°	18554

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 30157 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.9	10.3
10°-20°	710.1	28.1
20°-30°	782.0	31.0
30°-40°	298.8	11.8
40°-50°	141.1	5.6
50°-60°	140.2	5.6
60°-70°	112.3	4.4
70°-80°	64.5	2.6
80°-90°	17.5	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°	1751.0	69.3
0°-40°	2049.8	81.2
0°-60°	2331.1	92.3
0°-90°	2525.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2525.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2839	
5°	2744	259
15°	2553	710
25°	1680	782
35°	380	299
45°	184	141
55°	157	140
65°	114	112
75°	61	65
85°	15	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2839.4
2.5°	2809.7
5°	2744.5
7.5°	2690.1
10°	2637.5
12.5°	2593.0
15°	2553.0
17.5°	2456.4
20°	2319.2
22.5°	2023.4
25°	1680.4
27.5°	1462.9
30°	1135.1
32.5°	733.2
35°	380.3
37.5°	205.5
40°	187.0
42.5°	185.7
45°	183.9
47.5°	179.8
50°	173.1
52.5°	165.4
55°	157.3
57.5°	148.3
60°	138.0
62.5°	126.3
65°	114.2
67.5°	100.7
70°	87.2
72.5°	73.7
75°	61.1
77.5°	48.1
80°	36.4
82.5°	25.6
85°	14.8
87.5°	5.8
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)