

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: P745514

Luminaire Tested: LD4D25D010-EU4DR6020359027-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P745514
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-EU4DR6020359027-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2314.3 lumens
Efficiency: N/A
Efficacy: 92.2 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



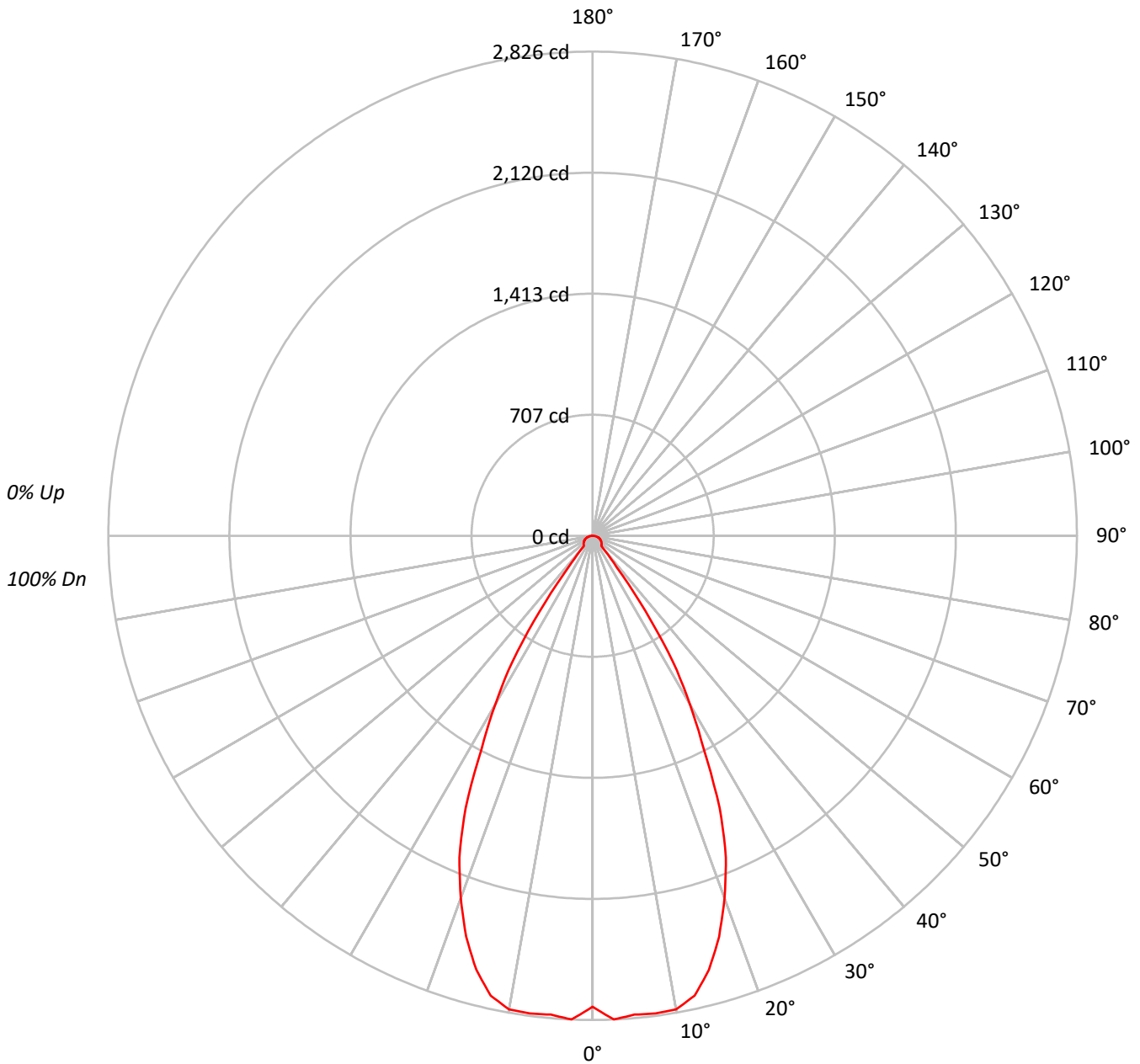
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	300292
5°	307680
10°	311393
15°	296644
20°	261556
25°	211551
30°	143095
35°	71707
40°	11624
45°	11388
50°	11610
55°	11791
60°	12128
65°	12410
70°	12682
75°	12833
80°	12395
85°	10405

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 12833 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.1	11.6
10°-20°	725.4	31.3
20°-30°	780.5	33.7
30°-40°	339.3	14.7
40°-50°	57.0	2.5
50°-60°	55.4	2.4
60°-70°	47.4	2.0
70°-80°	31.7	1.4
80°-90°	9.5	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°	1774.0	76.7
0°-40°	2113.3	91.3
0°-60°	2225.7	96.2
0°-90°	2314.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2314.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2748	
5°	2805	268
15°	2622	725
25°	1755	780
35°	538	339
45°	74	57
55°	62	55
65°	48	47
75°	30	32
85°	8	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2748.4
2.5°	2825.7
5°	2805.3
7.5°	2811.8
10°	2806.7
12.5°	2748.8
15°	2622.5
17.5°	2453.0
20°	2249.5
22.5°	2031.6
25°	1754.8
27.5°	1403.6
30°	1134.2
32.5°	874.2
35°	537.6
37.5°	230.0
40°	81.5
42.5°	75.1
45°	73.7
47.5°	71.2
50°	68.3
52.5°	65.1
55°	61.9
57.5°	58.7
60°	55.5
62.5°	51.9
65°	48.0
67.5°	44.0
70°	39.7
72.5°	35.1
75°	30.4
77.5°	25.0
80°	19.7
82.5°	13.9
85°	8.3
87.5°	2.9
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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