

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: P746496

Luminaire Tested: LD4D30D010-EU4DR6020359040-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746496
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: LD4D30D010-EU4DR6020359040-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2325.1 lumens
Efficiency: N/A
Efficacy: 80.2 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): 29
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



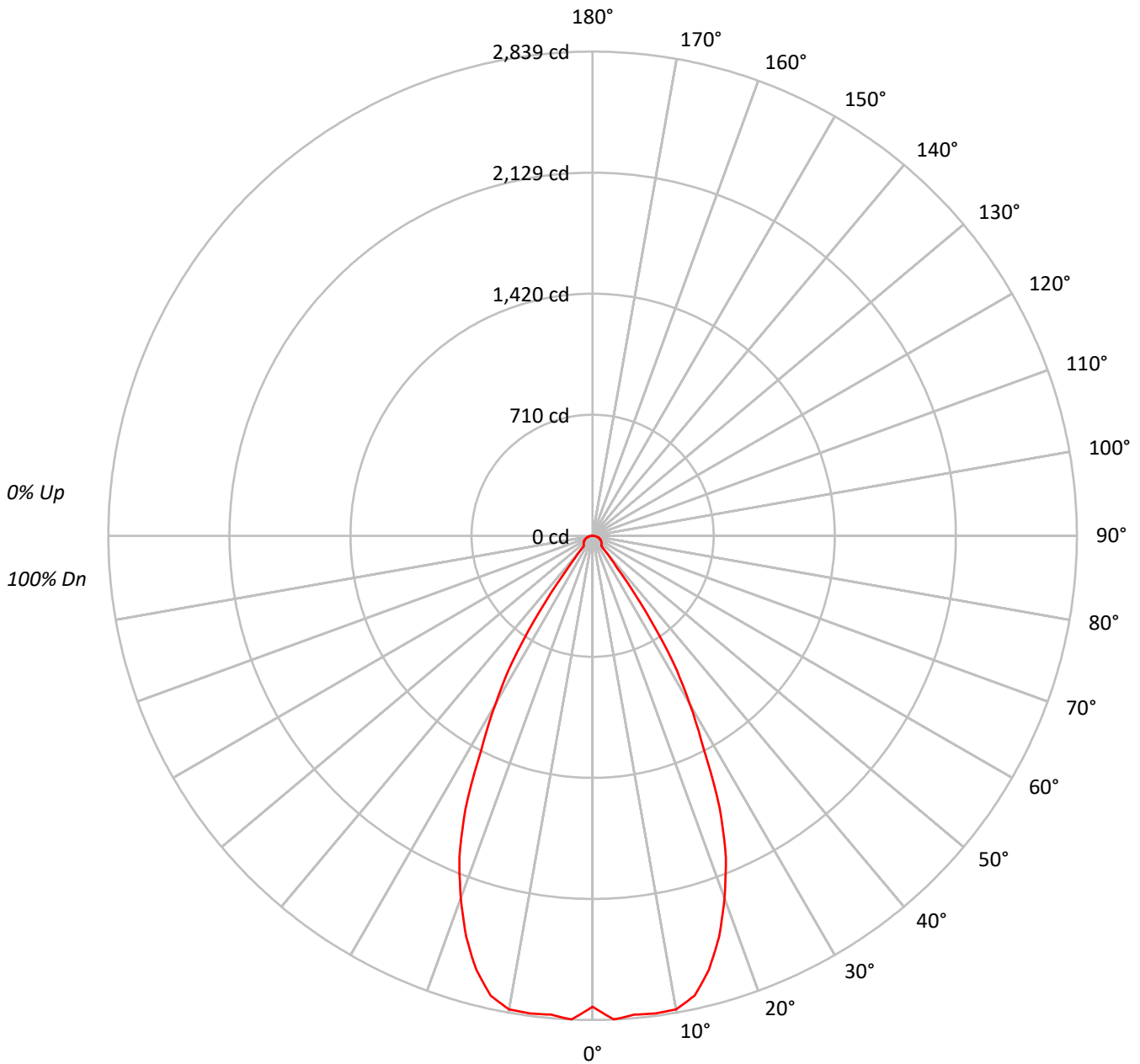
Downlight



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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	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	301702
5°	309117
10°	312857
15°	298036
20°	262777
25°	212540
30°	143763
35°	72040
40°	11681
45°	11434
50°	11661
55°	11848
60°	12172
65°	12435
70°	12746
75°	12876
80°	12458
85°	10405

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 12876 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.4	11.6
10°-20°	728.8	31.3
20°-30°	784.1	33.7
30°-40°	340.8	14.7
40°-50°	57.2	2.5
50°-60°	55.7	2.4
60°-70°	47.6	2.0
70°-80°	31.9	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°	1782.3	76.7
0°-40°	2123.1	91.3
0°-60°	2236.1	96.2
0°-90°	2325.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2325.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2761	
5°	2818	269
15°	2635	729
25°	1763	784
35°	540	341
45°	74	57
55°	62	56
65°	48	48
75°	30	32
85°	8	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2761.3
2.5°	2838.9
5°	2818.4
7.5°	2824.9
10°	2819.9
12.5°	2761.6
15°	2634.8
17.5°	2464.5
20°	2260.0
22.5°	2041.1
25°	1763.0
27.5°	1410.1
30°	1139.5
32.5°	878.3
35°	540.1
37.5°	231.1
40°	81.9
42.5°	75.5
45°	74.0
47.5°	71.5
50°	68.6
52.5°	65.4
55°	62.2
57.5°	59.0
60°	55.7
62.5°	52.1
65°	48.1
67.5°	44.2
70°	39.9
72.5°	35.2
75°	30.5
77.5°	25.2
80°	19.8
82.5°	14.0
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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(END OF REPORT)