

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: P743597

Luminaire Tested: LD4D15D010-EU4DR600215IC9030-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P743597
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: LD4D15D010-EU4DR600215IC9030-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1210.5 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.84
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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

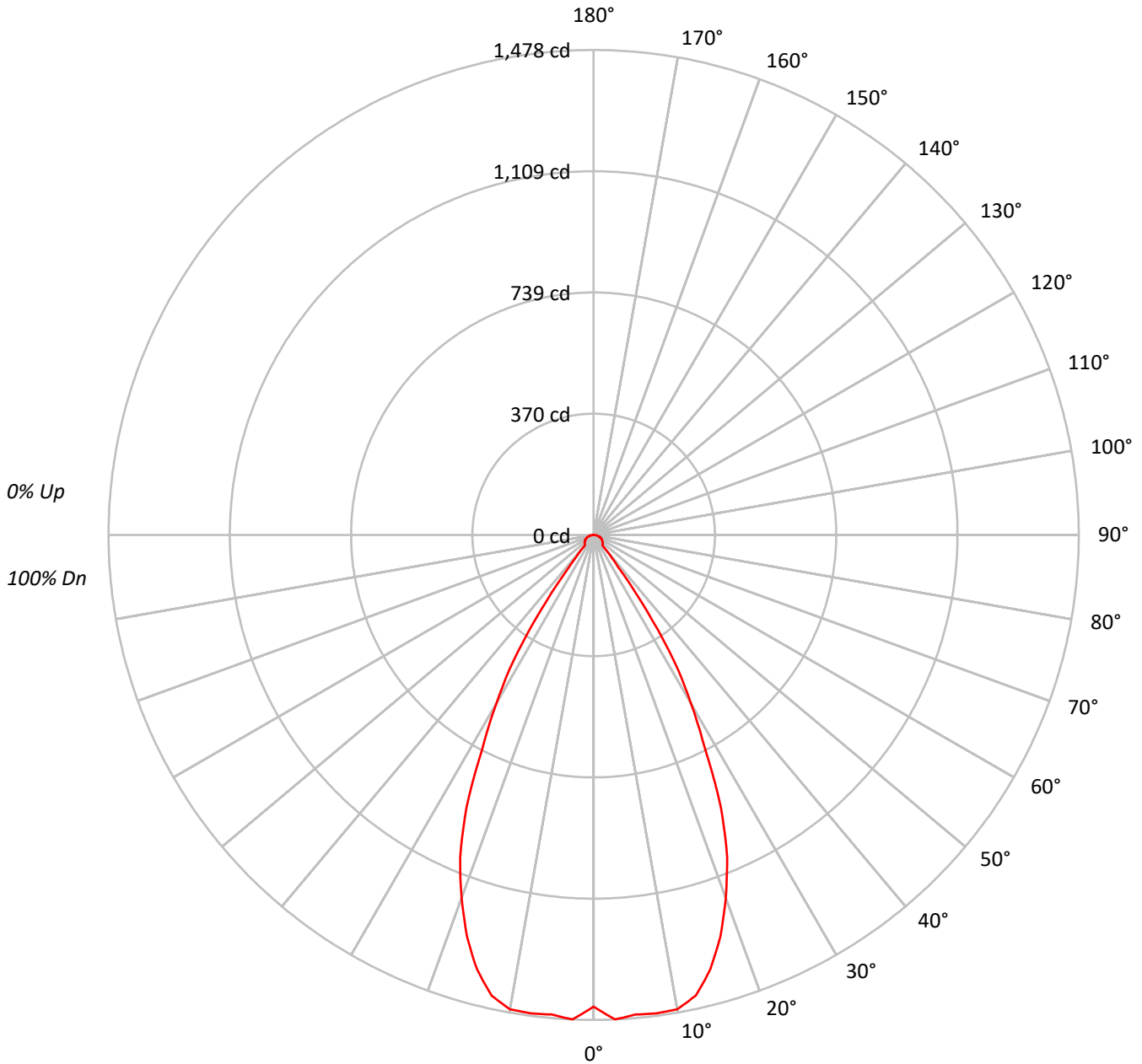


Downlight



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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				
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°	157073
5°	160942
10°	162880
15°	155171
20°	136807
25°	110658
30°	74853
35°	37507
40°	6090
45°	5964
50°	6085
55°	6172
60°	6337
65°	6489
70°	6613
75°	6712
80°	6481
85°	5391

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 6712 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.2	11.6
10°-20°	379.4	31.3
20°-30°	408.3	33.7
30°-40°	177.5	14.7
40°-50°	29.8	2.5
50°-60°	29.0	2.4
60°-70°	24.8	2.0
70°-80°	16.6	1.4
80°-90°	5.0	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°	927.9	76.7
0°-40°	1105.4	91.3
0°-60°	1164.2	96.2
0°-90°	1210.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1210.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1438	
5°	1467	140
15°	1372	379
25°	918	408
35°	281	177
45°	39	30
55°	32	29
65°	25	25
75°	16	17
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1437.6
2.5°	1478.0
5°	1467.4
7.5°	1470.8
10°	1468.1
12.5°	1437.8
15°	1371.8
17.5°	1283.1
20°	1176.6
22.5°	1062.7
25°	917.9
27.5°	734.2
30°	593.3
32.5°	457.3
35°	281.2
37.5°	120.3
40°	42.7
42.5°	39.3
45°	38.6
47.5°	37.2
50°	35.8
52.5°	34.0
55°	32.4
57.5°	30.7
60°	29.0
62.5°	27.1
65°	25.1
67.5°	23.0
70°	20.7
72.5°	18.3
75°	15.9
77.5°	13.1
80°	10.3
82.5°	7.3
85°	4.3
87.5°	1.5
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)