

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P743152

Luminaire Tested: LD4D15D010-EU4DR300215IC9035-4LBSQW1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P743152
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D15D010-EU4DR300215IC9035-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1163.9 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' 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



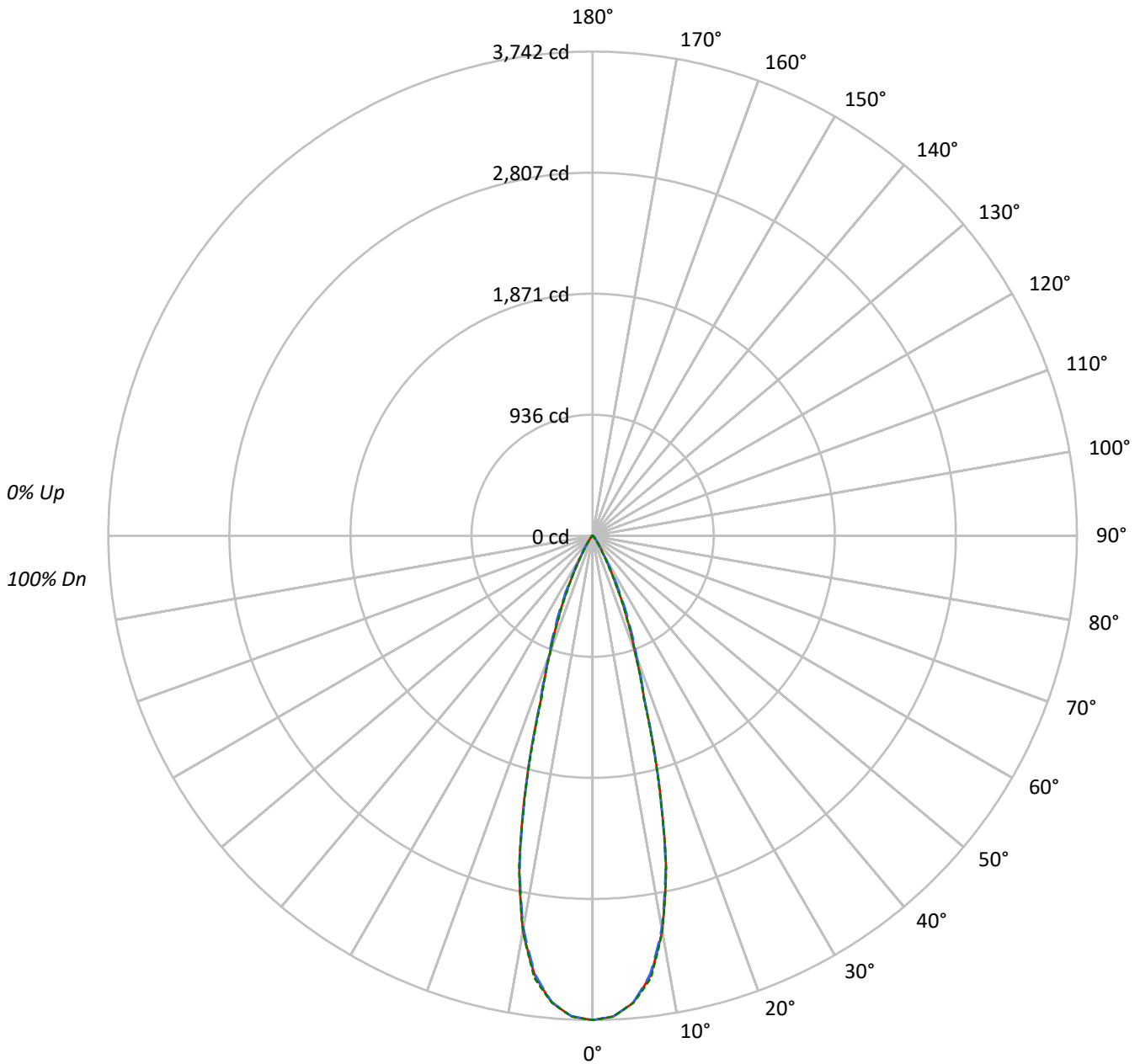
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	286464	286464	286464
5°	278238	277915	278253
10°	240992	239297	240937
15°	157235	156395	155611
20°	78189	81122	78084
25°	39382	44416	38580
30°	15768	17182	13735
35°	7317	6999	5878
40°	3157	3507	2978
45°	2230	2771	2241
50°	762	2012	810
55°	440	827	467
60°	306	367	306
65°	199	199	199
70°	134	67	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2771 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.1	28.3
10°-20°	530.0	45.5
20°-30°	229.0	19.7
30°-40°	52.2	4.5
40°-50°	17.9	1.5
50°-60°	4.4	0.4
60°-70°	1.1	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	1088.1	93.5
0°-40°	1140.3	98.0
0°-60°	1162.7	99.9
0°-90°	1163.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1163.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3742	3742	3742	3742	3742	
5°	3621	3618	3617	3624	3621	329
15°	1984	1960	1974	1967	1964	531
25°	466	484	526	472	457	223
35°	78	80	75	74	63	53
45°	21	26	26	26	21	15
55°	3	4	6	4	4	3
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3742.5	3742.5	3742.5	3742.5	3742.5
2.5°	3717.6	3715.1	3716.6	3718.4	3719.1
5°	3621.2	3617.7	3617.0	3624.5	3621.4
7.5°	3426.6	3421.7	3414.1	3431.2	3447.2
10°	3100.6	3095.1	3078.8	3086.9	3099.9
12.5°	2619.4	2601.6	2601.3	2627.0	2623.5
15°	1984.2	1960.4	1973.6	1967.2	1963.7
17.5°	1334.3	1325.1	1342.8	1337.4	1314.5
20°	959.9	962.3	995.9	979.0	958.6
22.5°	700.4	709.1	748.9	705.4	689.4
25°	466.3	484.0	525.9	471.7	456.8
27.5°	286.8	294.9	337.4	283.2	275.1
30°	178.4	174.3	194.4	166.8	155.4
32.5°	117.1	111.9	118.3	106.2	97.0
35°	78.3	79.9	74.9	74.4	62.9
37.5°	48.9	56.2	49.6	52.9	40.5
40°	31.6	40.8	35.1	38.8	29.8
42.5°	25.9	31.4	28.8	30.7	26.5
45°	20.6	25.6	25.6	25.6	20.7
47.5°	11.4	17.1	21.9	17.5	12.1
50°	6.4	8.7	16.9	9.0	6.8
52.5°	4.4	5.0	11.6	5.2	4.6
55°	3.3	3.5	6.2	3.7	3.5
57.5°	2.6	2.8	3.3	2.8	2.6
60°	2.0	2.0	2.4	2.2	2.0
62.5°	1.5	1.5	1.7	1.5	1.5
65°	1.1	1.1	1.1	1.1	1.1
67.5°	0.6	0.7	0.7	0.7	0.7
70°	0.6	0.3	0.3	0.3	0.6
72.5°	0.3	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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