

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: P756131

Luminaire Tested: LD4D95BD010-EU4DR3070959030-4LBCSSQMB

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P756131  
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: LD4D95BD010-EU4DR3070959030-4LBCSSQMB  
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7850.6 lumens  
Efficiency: N/A  
Efficacy: 79.1 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

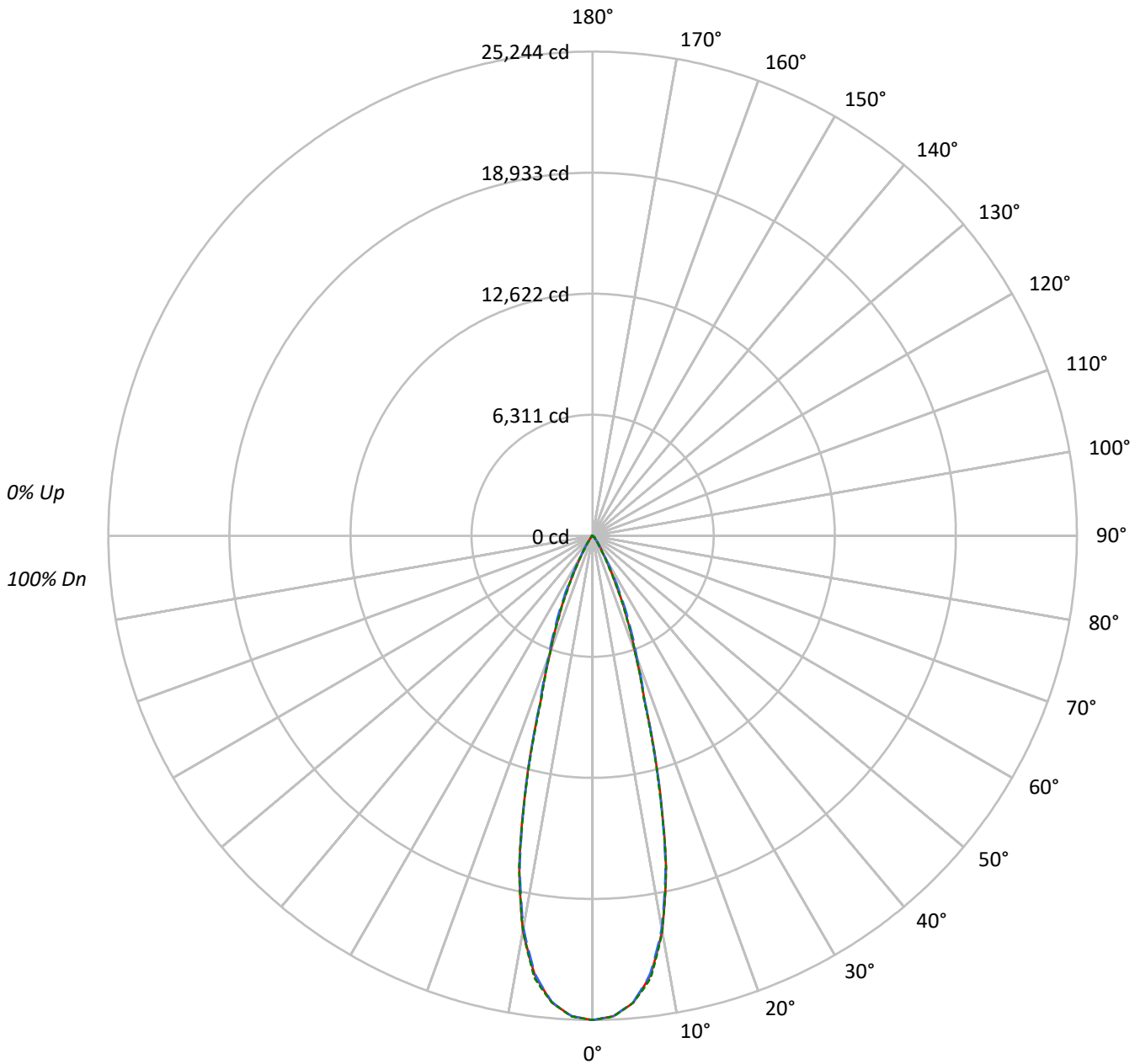
Input Watts (W): 99.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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°	1932223	1932223	1932223
5°	1876752	1874563	1876845
10°	1625547	1614091	1625166
15°	1060588	1054898	1049589
20°	527385	547171	526677
25°	265657	299575	260218
30°	106362	115899	92671
35°	49337	47254	39610
40°	21303	23651	20064
45°	15025	18651	15155
50°	5168	13575	5466
55°	2976	5618	3136
60°	2082	2465	2082
65°	1340	1340	1340
70°	828	559	828
75°	0	355	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 18651 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2219.8	28.3
10°-20°	3575.0	45.5
20°-30°	1544.8	19.7
30°-40°	352.1	4.5
40°-50°	120.9	1.5
50°-60°	29.5	0.4
60°-70°	7.7	0.1
70°-80°	0.8	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°	7339.6	93.5
0°-40°	7691.7	98.0
0°-60°	7842.1	99.9
0°-90°	7850.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7850.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	25244	25244	25244	25244	25244	
5°	24426	24402	24397	24448	24427	2222
15°	13384	13223	13312	13269	13245	3584
25°	3146	3264	3547	3182	3081	1506
35°	528	539	506	502	424	358
45°	139	172	172	172	140	99
55°	22	24	42	25	24	22
65°	7	7	7	7	7	7
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	25243.5	25243.5	25243.5	25243.5	25243.5
2.5°	25076.1	25058.8	25068.7	25081.1	25086.1
5°	24425.5	24401.9	24397.0	24447.8	24426.7
7.5°	23113.0	23079.5	23028.7	23144.0	23251.8
10°	20914.3	20877.2	20766.9	20821.4	20909.4
12.5°	17668.4	17548.2	17545.7	17719.3	17695.7
15°	13383.9	13222.8	13312.1	13268.7	13245.1
17.5°	9000.3	8938.3	9057.3	9021.4	8866.4
20°	6474.5	6490.6	6717.4	6603.4	6465.8
22.5°	4724.5	4782.7	5051.7	4757.9	4650.1
25°	3145.5	3264.5	3547.1	3181.5	3081.1
27.5°	1934.7	1989.2	2275.5	1909.9	1855.3
30°	1203.4	1176.2	1311.3	1125.3	1048.5
32.5°	789.5	754.8	798.2	716.4	654.4
35°	528.0	539.1	505.7	501.9	423.9
37.5°	329.7	379.2	334.6	356.9	272.7
40°	213.2	275.1	236.7	261.5	200.8
42.5°	174.8	211.9	194.6	207.0	178.5
45°	138.8	172.3	172.3	172.3	140.0
47.5°	76.8	115.3	147.5	117.7	81.8
50°	43.4	58.3	114.0	60.7	45.9
52.5°	29.7	33.5	78.1	34.7	31.0
55°	22.3	23.5	42.1	24.8	23.5
57.5°	17.4	18.6	22.3	18.6	17.4
60°	13.6	13.6	16.1	14.9	13.6
62.5°	9.9	9.9	11.2	9.9	9.9
65°	7.4	7.4	7.4	7.4	7.4
67.5°	3.7	5.0	5.0	5.0	5.0
70°	3.7	2.5	2.5	2.5	3.7
72.5°	2.5	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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

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

Scaled Data Report



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Scaled Data Report







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

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