

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: P756105

Luminaire Tested: LD4D95BD010-EU4DR3070959024-4LBCSSQMB

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P756105  
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-EU4DR3070959024-4LBCSSQMB  
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6727.1 lumens  
Efficiency: N/A  
Efficacy: 67.8 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')

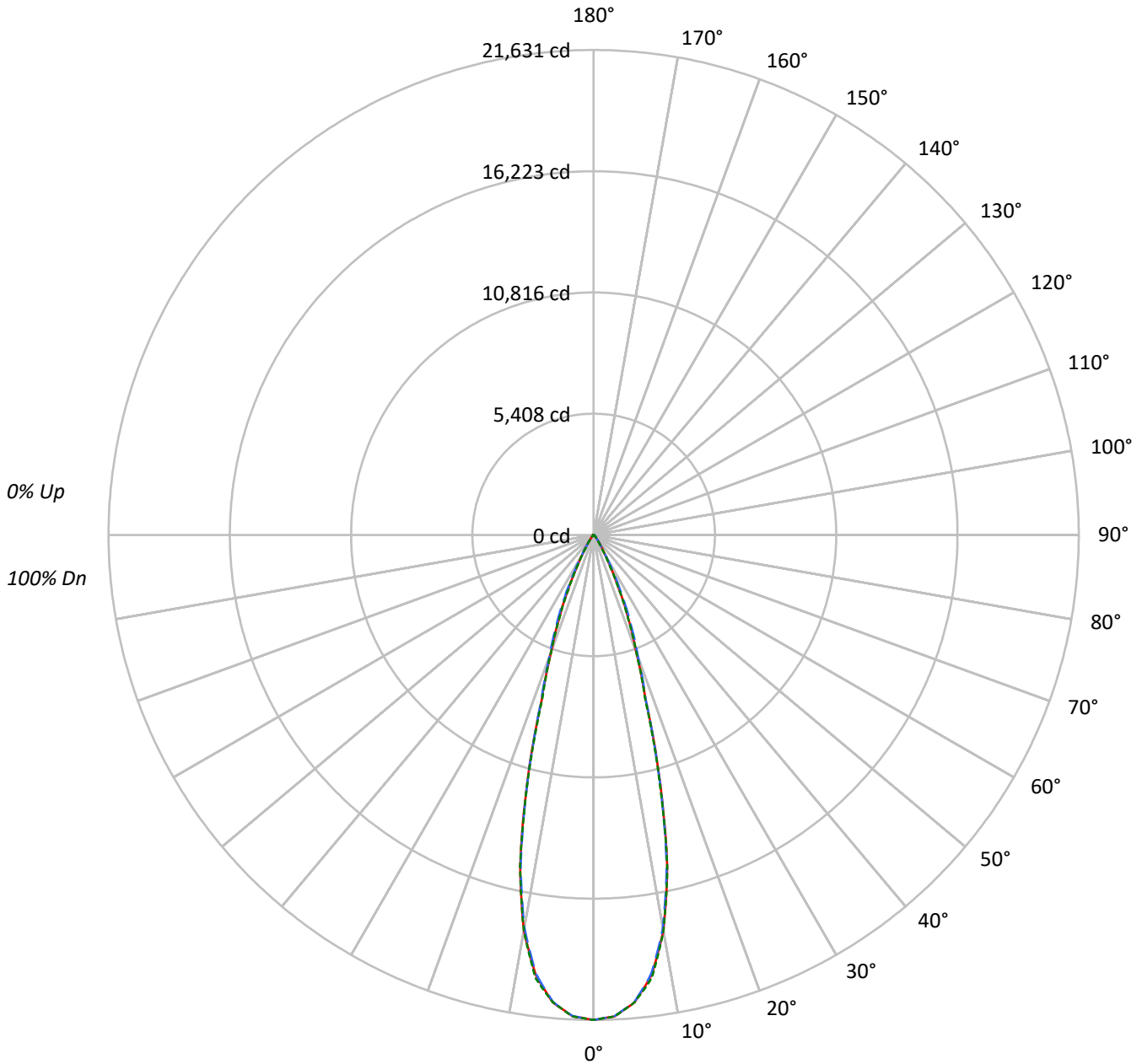
CIE Type: Direct

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°	1655695	1655695	1655695
5°	1608165	1606290	1608250
10°	1392919	1383094	1392585
15°	908813	903931	899383
20°	451909	468859	451306
25°	227643	256696	222973
30°	91142	99309	79414
35°	42273	40489	33938
40°	18255	20264	17186
45°	12871	15978	12990
50°	4430	11634	4680
55°	2549	4818	2696
60°	1791	2113	1791
65°	1159	1159	1159
70°	716	470	716
75°	0	325	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 15978 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1902.1	28.3
10°-20°	3063.4	45.5
20°-30°	1323.8	19.7
30°-40°	301.7	4.5
40°-50°	103.6	1.5
50°-60°	25.3	0.4
60°-70°	6.6	0.1
70°-80°	0.7	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°	6289.2	93.5
0°-40°	6590.9	98.0
0°-60°	6719.8	99.9
0°-90°	6727.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6727.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	21631	21631	21631	21631	21631	
5°	20930	20910	20906	20949	20931	1904
15°	11469	11330	11407	11370	11350	3071
25°	2695	2797	3039	2726	2640	1290
35°	452	462	433	430	363	307
45°	119	148	148	148	120	84
55°	19	20	36	21	20	19
65°	6	6	6	6	6	6
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°	21630.8	21630.8	21630.8	21630.8	21630.8
2.5°	21487.5	21472.6	21481.1	21491.7	21496.0
5°	20929.9	20909.7	20905.5	20949.0	20931.0
7.5°	19805.3	19776.6	19733.0	19831.8	19924.2
10°	17921.3	17889.4	17794.9	17841.6	17917.0
12.5°	15139.9	15036.9	15034.8	15183.4	15163.3
15°	11468.6	11330.5	11407.0	11369.8	11349.6
17.5°	7712.3	7659.2	7761.1	7730.3	7597.6
20°	5547.9	5561.7	5756.0	5658.3	5540.5
22.5°	4048.3	4098.3	4328.7	4077.0	3984.6
25°	2695.4	2797.3	3039.4	2726.2	2640.1
27.5°	1657.8	1704.5	1949.8	1636.5	1589.8
30°	1031.2	1007.8	1123.6	964.3	898.5
32.5°	676.5	646.8	683.9	613.8	560.7
35°	452.4	462.0	433.3	430.1	363.2
37.5°	282.5	325.0	286.7	305.9	233.6
40°	182.7	235.8	202.8	224.1	172.0
42.5°	149.7	181.6	166.7	177.4	152.9
45°	118.9	147.6	147.6	147.6	120.0
47.5°	65.8	98.8	126.4	100.9	70.1
50°	37.2	49.9	97.7	52.0	39.3
52.5°	25.5	28.7	66.9	29.7	26.6
55°	19.1	20.2	36.1	21.2	20.2
57.5°	14.9	15.9	19.1	15.9	14.9
60°	11.7	11.7	13.8	12.7	11.7
62.5°	8.5	8.5	9.6	8.5	8.5
65°	6.4	6.4	6.4	6.4	6.4
67.5°	3.2	4.2	4.2	4.2	4.2
70°	3.2	2.1	2.1	2.1	3.2
72.5°	2.1	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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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