

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: P756119

Luminaire Tested: LD4D95BD010-EU4DR3070959027-4LBCSSQMMS

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P756119  
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-EU4DR3070959027-4LBCSSQMMMS  
Description: 4 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7620.3 lumens  
Efficiency: N/A  
Efficacy: 76.8 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')

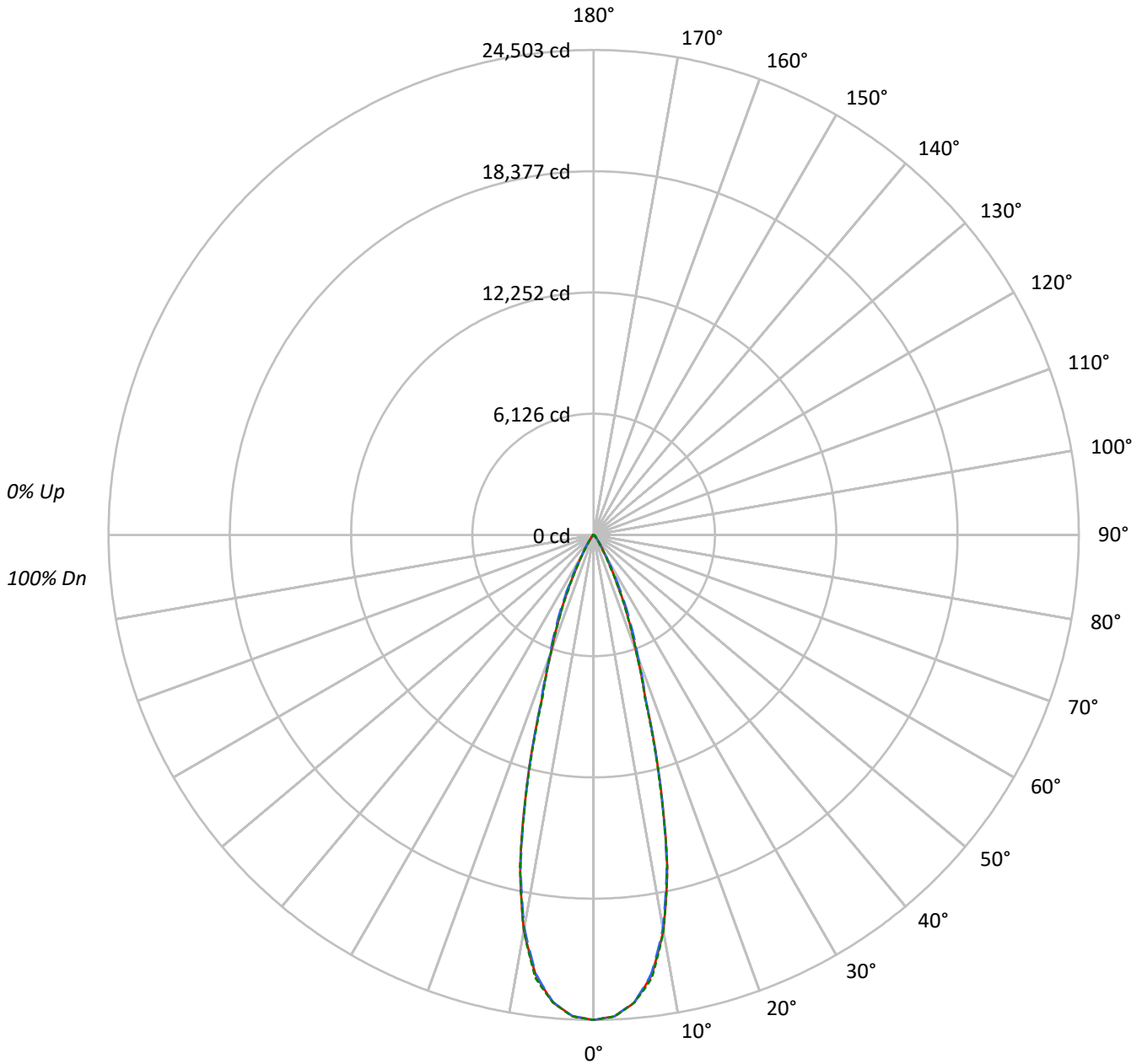
CIE Type: Direct

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°	1875543	1875543	1875543
5°	1821699	1819571	1821792
10°	1577871	1566741	1577490
15°	1029477	1023954	1018803
20°	511909	531116	511225
25°	257862	290783	252583
30°	103242	112496	89949
35°	47889	45861	38442
40°	20674	22962	19474
45°	14581	18099	14711
50°	5013	13182	5299
55°	2896	5458	3056
60°	2021	2388	2021
65°	1304	1304	1304
70°	806	537	806
75°	0	355	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 18099 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2154.7	28.3
10°-20°	3470.1	45.5
20°-30°	1499.5	19.7
30°-40°	341.8	4.5
40°-50°	117.3	1.5
50°-60°	28.7	0.4
60°-70°	7.4	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°	7124.3	93.5
0°-40°	7466.1	98.0
0°-60°	7612.1	99.9
0°-90°	7620.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7620.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	24503	24503	24503	24503	24503	
5°	23709	23686	23681	23731	23710	2156
15°	12991	12835	12922	12880	12857	3479
25°	3053	3169	3443	3088	2991	1461
35°	512	523	491	487	411	348
45°	135	167	167	167	136	96
55°	22	23	41	24	23	21
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°	24503.0	24503.0	24503.0	24503.0	24503.0
2.5°	24340.6	24323.7	24333.4	24345.4	24350.2
5°	23709.0	23686.1	23681.3	23730.7	23710.2
7.5°	22435.0	22402.5	22353.2	22465.1	22569.7
10°	20300.9	20264.8	20157.7	20210.6	20296.0
12.5°	17150.2	17033.5	17031.1	17199.5	17176.6
15°	12991.3	12835.0	12921.6	12879.5	12856.6
17.5°	8736.3	8676.1	8791.6	8756.7	8606.4
20°	6284.5	6300.2	6520.3	6409.7	6276.1
22.5°	4585.9	4642.4	4903.5	4618.4	4513.7
25°	3053.2	3168.7	3443.0	3088.1	2990.7
27.5°	1877.9	1930.8	2208.7	1853.8	1800.9
30°	1168.1	1141.7	1272.8	1092.3	1017.7
32.5°	766.3	732.6	774.7	695.3	635.2
35°	512.5	523.3	490.8	487.2	411.4
37.5°	320.0	368.1	324.8	346.5	264.7
40°	206.9	267.1	229.8	253.8	194.9
42.5°	169.6	205.7	188.9	200.9	173.2
45°	134.7	167.2	167.2	167.2	135.9
47.5°	74.6	111.9	143.2	114.3	79.4
50°	42.1	56.5	110.7	58.9	44.5
52.5°	28.9	32.5	75.8	33.7	30.1
55°	21.7	22.9	40.9	24.1	22.9
57.5°	16.8	18.0	21.7	18.0	16.8
60°	13.2	13.2	15.6	14.4	13.2
62.5°	9.6	9.6	10.8	9.6	9.6
65°	7.2	7.2	7.2	7.2	7.2
67.5°	3.6	4.8	4.8	4.8	4.8
70°	3.6	2.4	2.4	2.4	3.6
72.5°	2.4	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

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Scaled Data Report







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

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