

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: P756156

Luminaire Tested: LD4D95BD010-EU4DR3070959035-4LBSQW1MW

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P756156  
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-EU4DR3070959035-4LBSQW1MW  
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**

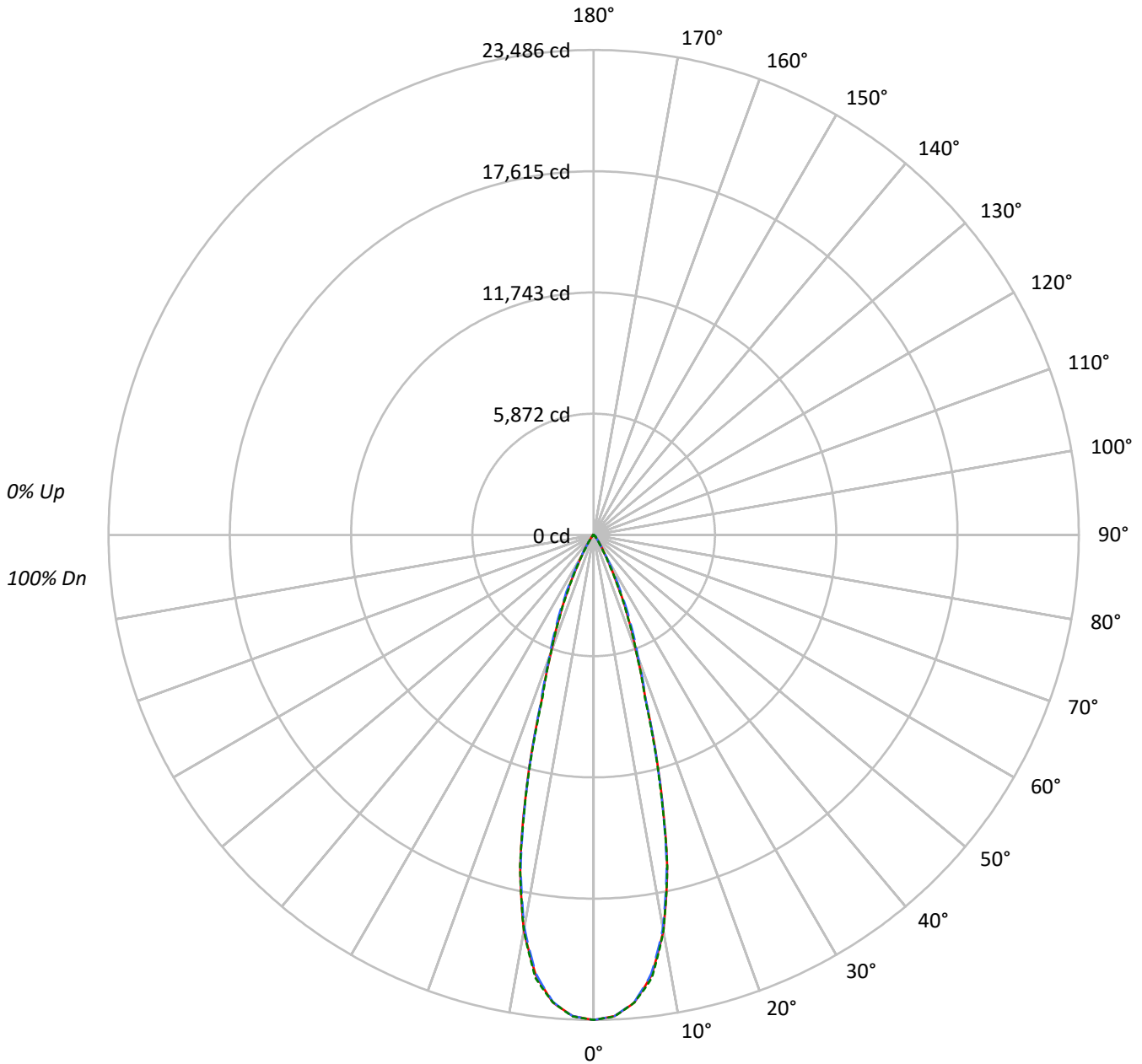
Lumens per Lamp: N/A  
Luminaire Lumens: 7303.9 lumens  
Efficiency: N/A  
Efficacy: 73.6 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

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°	1797668	1797668	1797668
5°	1746062	1744026	1746155
10°	1512358	1501694	1512000
15°	986741	981439	976502
20°	490657	509066	489997
25°	247161	278714	242094
30°	98956	107820	86219
35°	45899	43965	36844
40°	19814	22002	18665
45°	13975	17352	14105
50°	4811	12634	5085
55°	2776	5231	2923
60°	1944	2296	1944
65°	1250	1250	1250
70°	783	515	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 17352 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2065.2	28.3
10°-20°	3326.0	45.5
20°-30°	1437.3	19.7
30°-40°	327.6	4.5
40°-50°	112.5	1.5
50°-60°	27.5	0.4
60°-70°	7.1	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°	6828.5	93.5
0°-40°	7156.1	98.0
0°-60°	7296.0	99.9
0°-90°	7303.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7303.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	23486	23486	23486	23486	23486	
5°	22725	22703	22698	22745	22726	2067
15°	12452	12302	12385	12345	12323	3334
25°	2926	3037	3300	2960	2866	1401
35°	491	502	470	467	394	333
45°	129	160	160	160	130	92
55°	21	22	39	23	22	20
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°	23485.6	23485.6	23485.6	23485.6	23485.6
2.5°	23330.0	23313.8	23323.1	23334.6	23339.2
5°	22724.6	22702.7	22698.1	22745.4	22725.8
7.5°	21503.5	21472.4	21425.1	21532.3	21632.7
10°	19458.0	19423.4	19320.8	19371.5	19453.4
12.5°	16438.1	16326.3	16323.9	16485.4	16463.5
15°	12452.0	12302.1	12385.1	12344.7	12322.8
17.5°	8373.6	8315.9	8426.6	8393.2	8249.0
20°	6023.6	6038.6	6249.6	6143.5	6015.5
22.5°	4395.5	4449.7	4699.9	4426.6	4326.3
25°	2926.5	3037.2	3300.1	2959.9	2866.5
27.5°	1799.9	1850.7	2117.0	1776.9	1726.1
30°	1119.6	1094.3	1219.9	1047.0	975.5
32.5°	734.5	702.2	742.6	666.5	608.8
35°	491.2	501.6	470.5	467.0	394.3
37.5°	306.7	352.8	311.3	332.1	253.7
40°	198.3	256.0	220.2	243.3	186.8
42.5°	162.6	197.2	181.0	192.6	166.0
45°	129.1	160.3	160.3	160.3	130.3
47.5°	71.5	107.2	137.2	109.5	76.1
50°	40.4	54.2	106.1	56.5	42.7
52.5°	27.7	31.1	72.6	32.3	28.8
55°	20.8	21.9	39.2	23.1	21.9
57.5°	16.1	17.3	20.8	17.3	16.1
60°	12.7	12.7	15.0	13.8	12.7
62.5°	9.2	9.2	10.4	9.2	9.2
65°	6.9	6.9	6.9	6.9	6.9
67.5°	3.5	4.6	4.6	4.6	4.6
70°	3.5	2.3	2.3	2.3	3.5
72.5°	2.3	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



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Scaled Data Report







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

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