

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: P774171

Luminaire Tested: LD6D95BD010-EU6DR3070959024-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774171  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D95BD010-EU6DR3070959024-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8544.7 lumens  
Efficiency: N/A  
Efficacy: 86.1 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

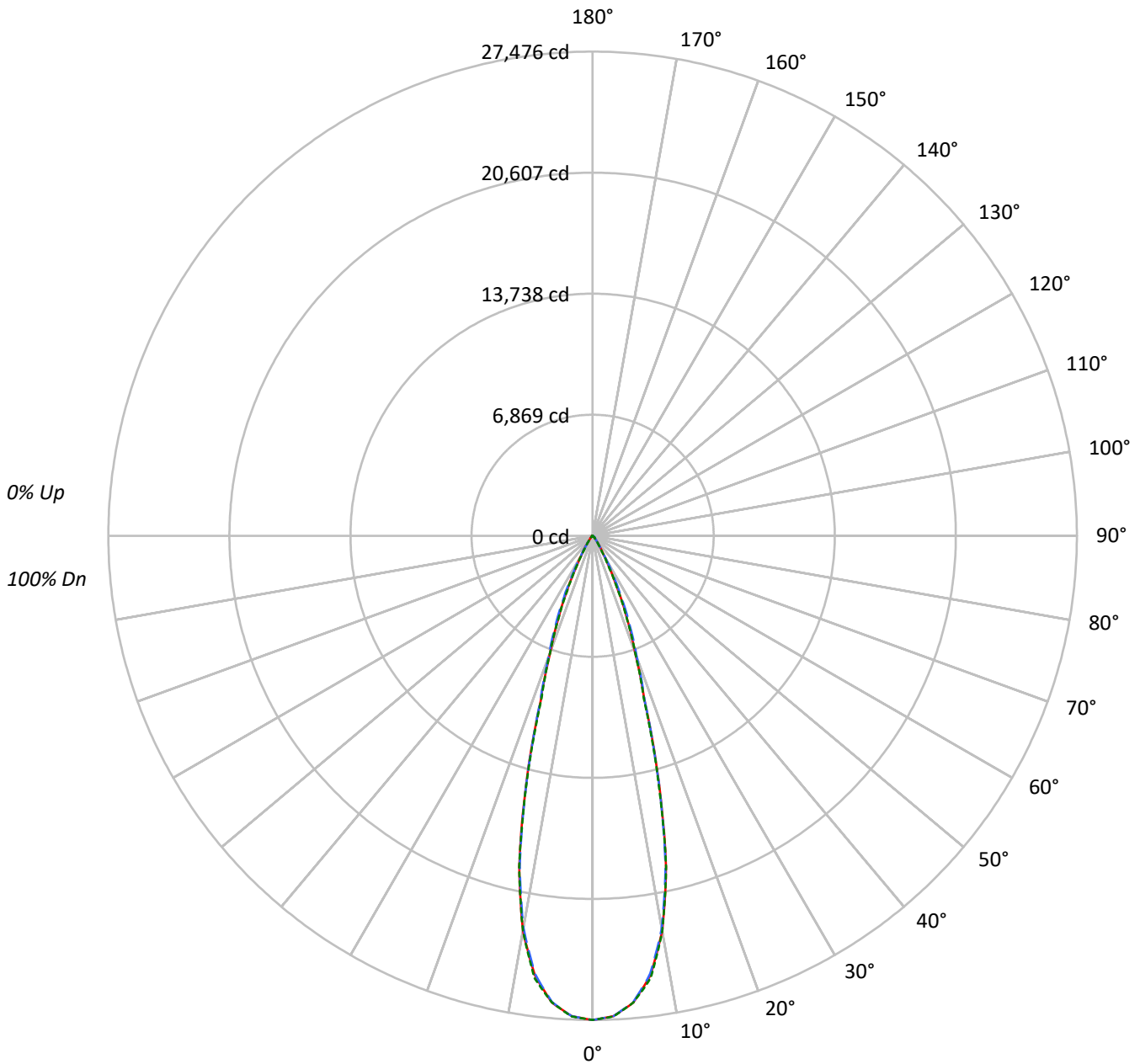
Input Watts (W): 99.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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	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°	2103068	2103068	2103068
5°	2042695	2040313	2042794
10°	1769283	1756808	1768863
15°	1154373	1148168	1142399
20°	574011	595548	573245
25°	289145	326060	283224
30°	115766	126143	100865
35°	53701	51431	43105
40°	23182	25749	21833
45°	16356	20297	16497
50°	5621	14778	5942
55°	3243	6125	3416
60°	2266	2679	2266
65°	1467	1467	1467
70°	895	604	895
75°	0	384	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 20297 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2416.1	28.3
10°-20°	3891.1	45.5
20°-30°	1681.4	19.7
30°-40°	383.2	4.5
40°-50°	131.6	1.5
50°-60°	32.1	0.4
60°-70°	8.3	0.1
70°-80°	0.9	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°	7988.6	93.5
0°-40°	8371.8	98.0
0°-60°	8535.5	99.9
0°-90°	8544.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8544.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	27476	27476	27476	27476	27476	
5°	26585	26560	26554	26610	26586	2418
15°	14567	14392	14489	14442	14416	3901
25°	3424	3553	3861	3463	3354	1639
35°	575	587	550	546	461	390
45°	151	188	188	188	152	107
55°	24	26	46	27	26	24
65°	8	8	8	8	8	8
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°	27475.5	27475.5	27475.5	27475.5	27475.5
2.5°	27293.4	27274.5	27285.3	27298.8	27304.2
5°	26585.2	26559.6	26554.2	26609.5	26586.5
7.5°	25156.6	25120.2	25064.9	25190.4	25307.7
10°	22763.6	22723.1	22603.1	22662.4	22758.2
12.5°	19230.7	19099.8	19097.1	19286.0	19260.4
15°	14567.4	14392.0	14489.1	14441.9	14416.3
17.5°	9796.1	9728.7	9858.2	9819.0	9650.4
20°	7046.9	7064.5	7311.3	7187.2	7037.5
22.5°	5142.2	5205.6	5498.3	5178.6	5061.3
25°	3423.6	3553.1	3860.7	3462.8	3353.5
27.5°	2105.7	2165.1	2476.7	2078.7	2019.4
30°	1309.8	1280.2	1427.2	1224.9	1141.2
32.5°	859.3	821.5	868.7	779.7	712.2
35°	574.7	586.8	550.4	546.3	461.3
37.5°	358.8	412.8	364.2	388.5	296.8
40°	232.0	299.5	257.7	284.6	218.5
42.5°	190.2	230.7	211.8	225.3	194.2
45°	151.1	187.5	187.5	187.5	152.4
47.5°	83.6	125.5	160.5	128.2	89.0
50°	47.2	63.4	124.1	66.1	49.9
52.5°	32.4	36.4	85.0	37.8	33.7
55°	24.3	25.6	45.9	27.0	25.6
57.5°	18.9	20.2	24.3	20.2	18.9
60°	14.8	14.8	17.5	16.2	14.8
62.5°	10.8	10.8	12.1	10.8	10.8
65°	8.1	8.1	8.1	8.1	8.1
67.5°	4.0	5.4	5.4	5.4	5.4
70°	4.0	2.7	2.7	2.7	4.0
72.5°	2.7	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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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