

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: P774221

Luminaire Tested: LD6D95BD010-EU6DR3070959040-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774221  
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-EU6DR3070959040-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10546.3 lumens  
Efficiency: N/A  
Efficacy: 106.3 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

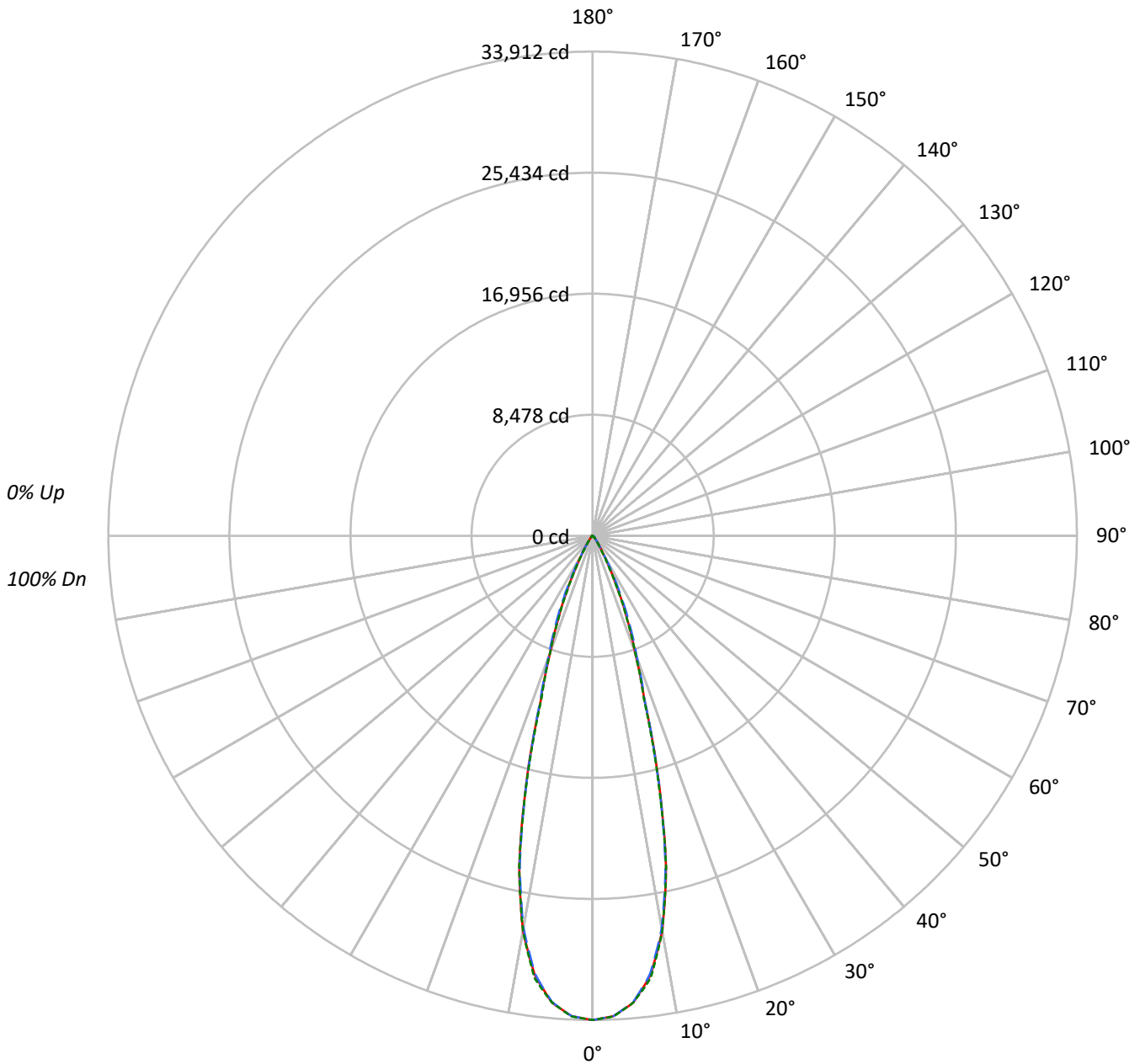
Input Watts (W): 99.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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°	2595701	2595701	2595701
5°	2521182	2518239	2521312
10°	2183731	2168326	2183211
15°	1424775	1417120	1409996
20°	708470	735057	707525
25°	356879	402443	349565
30°	142892	155690	124490
35°	66279	63475	53206
40°	28617	31775	26949
45°	20188	25049	20362
50°	6942	18243	7335
55°	4003	7553	4217
60°	2801	3307	2801
65°	1811	1811	1811
70°	1119	739	1119
75°	0	503	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 25049 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2982.0	28.3
10°-20°	4802.5	45.5
20°-30°	2075.3	19.7
30°-40°	473.0	4.5
40°-50°	162.4	1.5
50°-60°	39.7	0.4
60°-70°	10.3	0.1
70°-80°	1.1	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°	9859.9	93.5
0°-40°	10332.9	98.0
0°-60°	10534.9	99.9
0°-90°	10546.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10546.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	33912	33912	33912	33912	33912	
5°	32813	32781	32774	32843	32814	2984
15°	17980	17763	17883	17825	17793	4814
25°	4226	4386	4765	4274	4139	2023
35°	709	724	679	674	569	481
45°	186	231	231	231	188	132
55°	30	32	57	33	32	29
65°	10	10	10	10	10	10
75°	0	0	2	0	0	2
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°	33911.5	33911.5	33911.5	33911.5	33911.5
2.5°	33686.7	33663.4	33676.7	33693.4	33700.1
5°	32812.6	32781.0	32774.3	32842.6	32814.3
7.5°	31049.5	31004.5	30936.3	31091.1	31235.9
10°	28095.9	28045.9	27897.7	27971.0	28089.2
12.5°	23735.4	23573.9	23570.6	23803.7	23772.0
15°	17979.7	17763.2	17883.1	17824.9	17793.2
17.5°	12090.8	12007.5	12167.4	12119.1	11911.0
20°	8697.6	8719.3	9024.0	8870.8	8686.0
22.5°	6346.8	6425.0	6786.3	6391.7	6246.9
25°	4225.6	4385.5	4765.1	4273.9	4139.0
27.5°	2599.0	2672.2	3056.8	2565.7	2492.4
30°	1616.7	1580.0	1761.5	1511.8	1408.5
32.5°	1060.6	1013.9	1072.2	962.3	879.1
35°	709.3	724.2	679.3	674.3	569.4
37.5°	442.9	509.5	449.5	479.5	366.3
40°	286.4	369.6	318.0	351.3	269.7
42.5°	234.8	284.7	261.4	278.0	239.8
45°	186.5	231.4	231.4	231.4	188.1
47.5°	103.2	154.8	198.1	158.2	109.9
50°	58.3	78.3	153.2	81.6	61.6
52.5°	40.0	45.0	104.9	46.6	41.6
55°	30.0	31.6	56.6	33.3	31.6
57.5°	23.3	25.0	30.0	25.0	23.3
60°	18.3	18.3	21.6	20.0	18.3
62.5°	13.3	13.3	15.0	13.3	13.3
65°	10.0	10.0	10.0	10.0	10.0
67.5°	5.0	6.7	6.7	6.7	6.7
70°	5.0	3.3	3.3	3.3	5.0
72.5°	3.3	1.7	1.7	1.7	1.7
75°	0.0	0.0	1.7	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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