

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: P774184

Luminaire Tested: LD6D95BD010-EU6DR3070959027-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774184  
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-EU6DR3070959027-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9679.3 lumens  
Efficiency: N/A  
Efficacy: 97.6 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

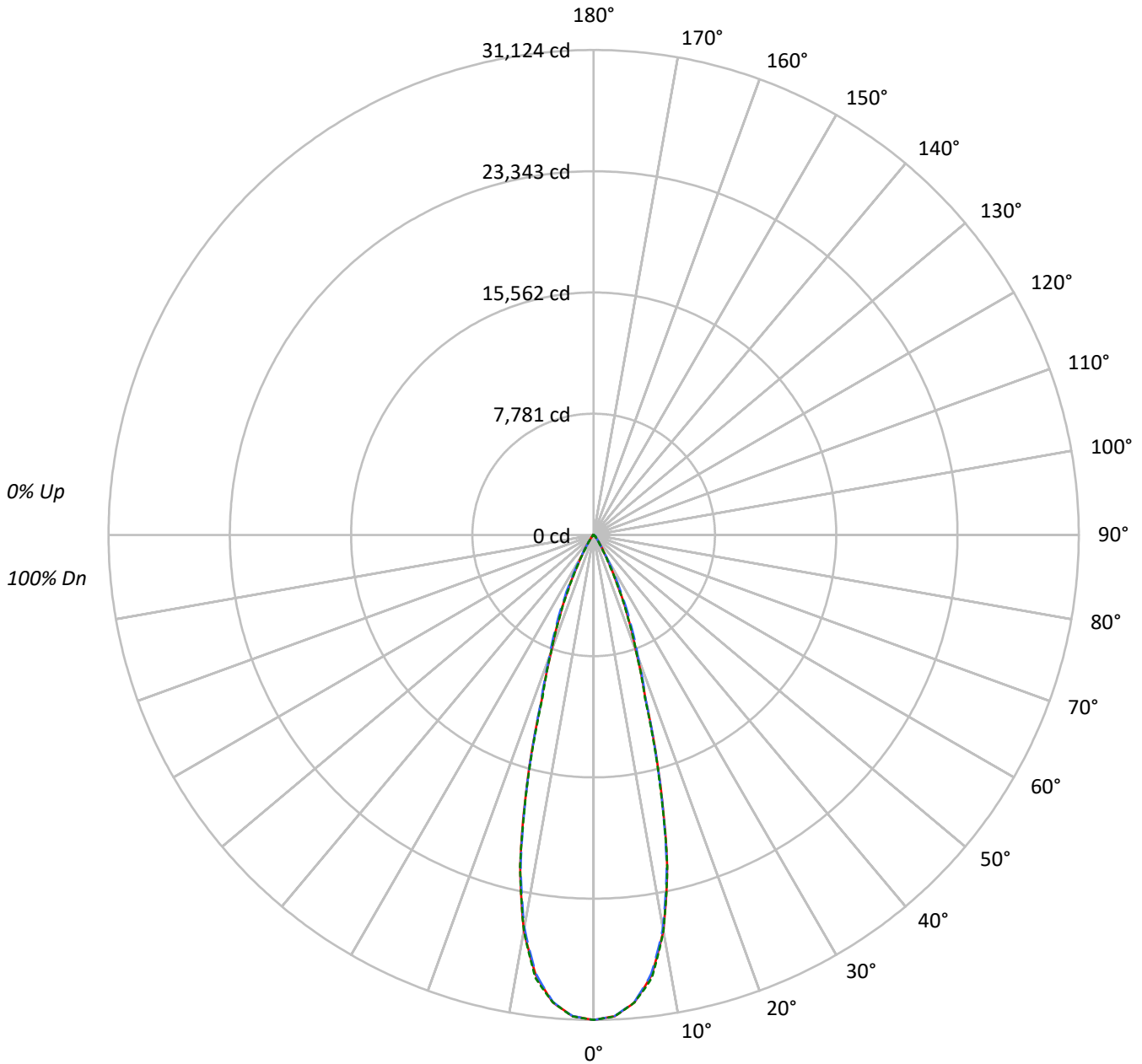
Input Watts (W): 99.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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°	2382314	2382314	2382314
5°	2313925	2311220	2314040
10°	2004204	1990074	2003730
15°	1307645	1300624	1294087
20°	650229	674625	649357
25°	327538	369353	320833
30°	131145	142892	114255
35°	60831	58261	48833
40°	26259	29167	24730
45°	18521	22992	18695
50°	6371	16743	6728
55°	3670	6939	3870
60°	2572	3046	2572
65°	1666	1666	1666
70°	1029	694	1029
75°	0	444	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 22992 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2736.9	28.3
10°-20°	4407.7	45.5
20°-30°	1904.7	19.7
30°-40°	434.1	4.5
40°-50°	149.1	1.5
50°-60°	36.4	0.4
60°-70°	9.4	0.1
70°-80°	1.0	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°	9049.3	93.5
0°-40°	9483.4	98.0
0°-60°	9668.9	99.9
0°-90°	9679.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9679.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	31124	31124	31124	31124	31124	
5°	30115	30086	30080	30143	30117	2739
15°	16502	16303	16413	16360	16330	4419
25°	3878	4025	4373	3923	3799	1856
35°	651	665	624	619	523	442
45°	171	212	212	212	173	121
55°	28	29	52	31	29	27
65°	9	9	9	9	9	9
75°	0	0	2	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°	31123.7	31123.7	31123.7	31123.7	31123.7
2.5°	30917.4	30896.0	30908.2	30923.5	30929.6
5°	30115.2	30086.1	30080.0	30142.7	30116.7
7.5°	28496.9	28455.7	28393.0	28535.1	28668.1
10°	25786.1	25740.3	25604.3	25671.5	25780.0
12.5°	21784.1	21635.9	21632.9	21846.8	21817.8
15°	16501.6	16303.0	16413.0	16359.5	16330.5
17.5°	11096.8	11020.4	11167.1	11122.8	10931.8
20°	7982.6	8002.5	8282.1	8141.5	7971.9
22.5°	5825.0	5896.8	6228.4	5866.3	5733.3
25°	3878.2	4024.9	4373.3	3922.6	3798.8
27.5°	2385.3	2452.5	2805.5	2354.8	2287.5
30°	1483.8	1450.1	1616.7	1387.5	1292.7
32.5°	973.4	930.6	984.1	883.2	806.8
35°	651.0	664.7	623.5	618.9	522.6
37.5°	406.5	467.6	412.6	440.1	336.2
40°	262.8	339.2	291.9	322.4	247.5
42.5°	215.5	261.3	239.9	255.2	220.0
45°	171.1	212.4	212.4	212.4	172.7
47.5°	94.7	142.1	181.8	145.2	100.9
50°	53.5	71.8	140.6	74.9	56.5
52.5°	36.7	41.3	96.3	42.8	38.2
55°	27.5	29.0	52.0	30.6	29.0
57.5°	21.4	22.9	27.5	22.9	21.4
60°	16.8	16.8	19.9	18.3	16.8
62.5°	12.2	12.2	13.8	12.2	12.2
65°	9.2	9.2	9.2	9.2	9.2
67.5°	4.6	6.1	6.1	6.1	6.1
70°	4.6	3.1	3.1	3.1	4.6
72.5°	3.1	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	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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