

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: P774181

Luminaire Tested: LD6D95BD010-EU6DR3070959024-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774181  
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-EU6DR3070959024-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

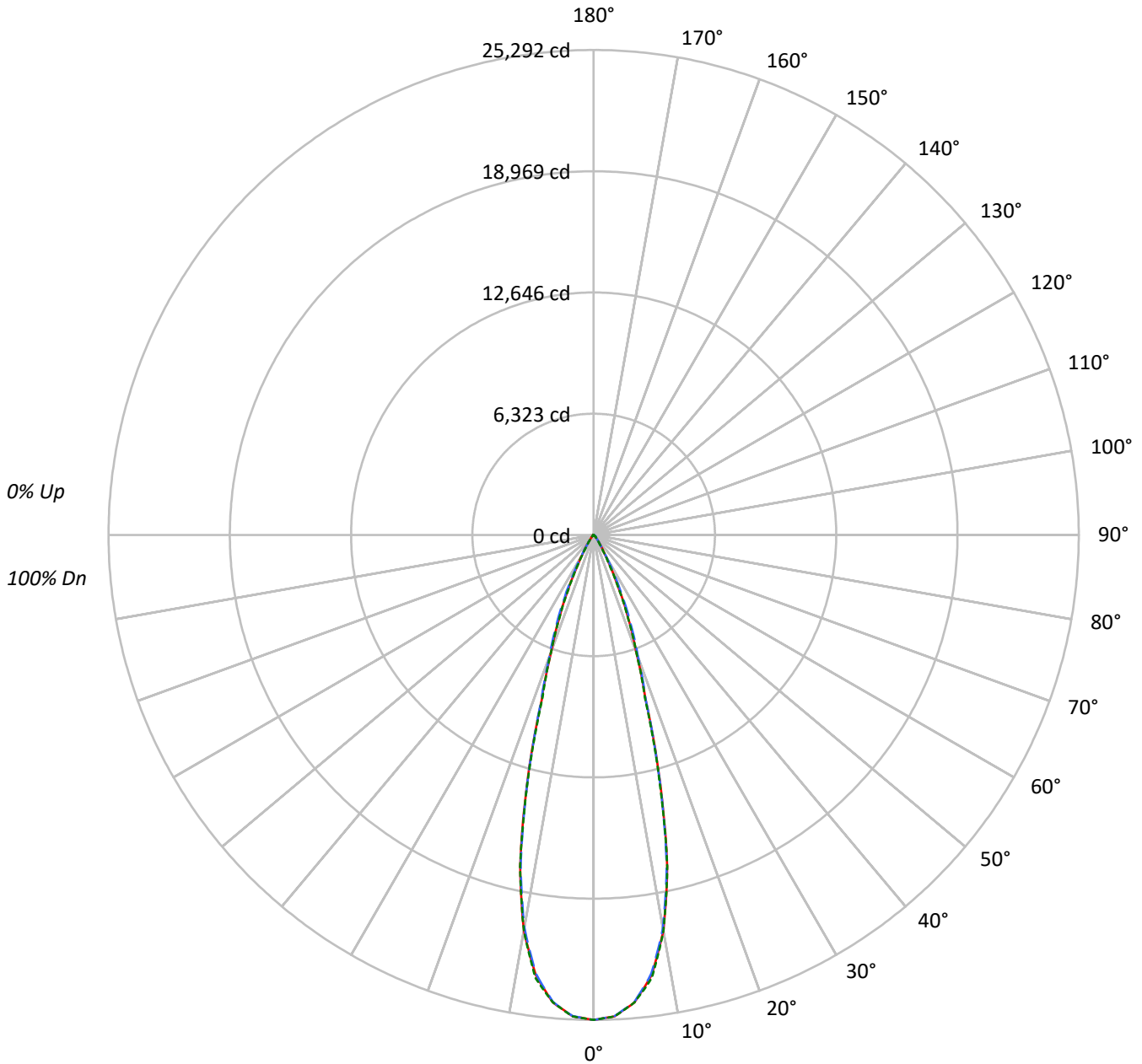
Lumens per Lamp: N/A  
Luminaire Lumens: 7865.6 lumens  
Efficiency: N/A  
Efficacy: 79.3 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

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	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°	1935920	1935920	1935920
5°	1880348	1878151	1880440
10°	1628664	1617176	1628275
15°	1062624	1056919	1051602
20°	528396	548214	527687
25°	266164	300149	260717
30°	106565	116120	92848
35°	49431	47338	39685
40°	21343	23701	20104
45°	15057	18684	15187
50°	5180	13599	5466
55°	2989	5632	3149
60°	2097	2465	2097
65°	1358	1358	1358
70°	828	559	828
75°	0	355	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 18684 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2224.0	28.3
10°-20°	3581.8	45.5
20°-30°	1547.8	19.7
30°-40°	352.8	4.5
40°-50°	121.1	1.5
50°-60°	29.6	0.4
60°-70°	7.7	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°	7353.6	93.5
0°-40°	7706.4	98.0
0°-60°	7857.1	99.9
0°-90°	7865.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7865.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	25292	25292	25292	25292	25292	
5°	24472	24449	24444	24495	24474	2226
15°	13410	13248	13338	13294	13270	3591
25°	3152	3271	3554	3188	3087	1509
35°	529	540	507	503	425	359
45°	139	173	173	173	140	99
55°	22	24	42	25	24	22
65°	8	8	8	8	8	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°	25291.8	25291.8	25291.8	25291.8	25291.8
2.5°	25124.2	25106.8	25116.7	25129.1	25134.1
5°	24472.3	24448.7	24443.7	24494.6	24473.5
7.5°	23157.3	23123.7	23072.8	23188.3	23296.3
10°	20954.4	20917.1	20806.6	20861.3	20949.4
12.5°	17702.3	17581.8	17579.3	17753.2	17729.6
15°	13409.6	13248.1	13337.6	13294.1	13270.5
17.5°	9017.5	8955.4	9074.7	9038.6	8883.4
20°	6486.9	6503.0	6730.2	6616.0	6478.2
22.5°	4733.5	4791.9	5061.3	4767.0	4659.0
25°	3151.5	3270.7	3553.9	3187.6	3087.0
27.5°	1938.4	1993.0	2279.8	1913.5	1858.9
30°	1205.7	1178.4	1313.8	1127.5	1050.5
32.5°	791.0	756.2	799.7	717.7	655.6
35°	529.0	540.2	506.6	502.9	424.7
37.5°	330.3	380.0	335.3	357.6	273.2
40°	213.6	275.7	237.2	262.0	201.2
42.5°	175.1	212.3	195.0	207.4	178.8
45°	139.1	172.6	172.6	172.6	140.3
47.5°	77.0	115.5	147.8	118.0	82.0
50°	43.5	58.4	114.2	60.8	45.9
52.5°	29.8	33.5	78.2	34.8	31.0
55°	22.4	23.6	42.2	24.8	23.6
57.5°	17.4	18.6	22.4	18.6	17.4
60°	13.7	13.7	16.1	14.9	13.7
62.5°	9.9	9.9	11.2	9.9	9.9
65°	7.5	7.5	7.5	7.5	7.5
67.5°	3.7	5.0	5.0	5.0	5.0
70°	3.7	2.5	2.5	2.5	3.7
72.5°	2.5	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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