

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: P769556

Luminaire Tested: LD6D65D010-EU6DR3055659050-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P769556  
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: LD6D65D010-EU6DR3055659050-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

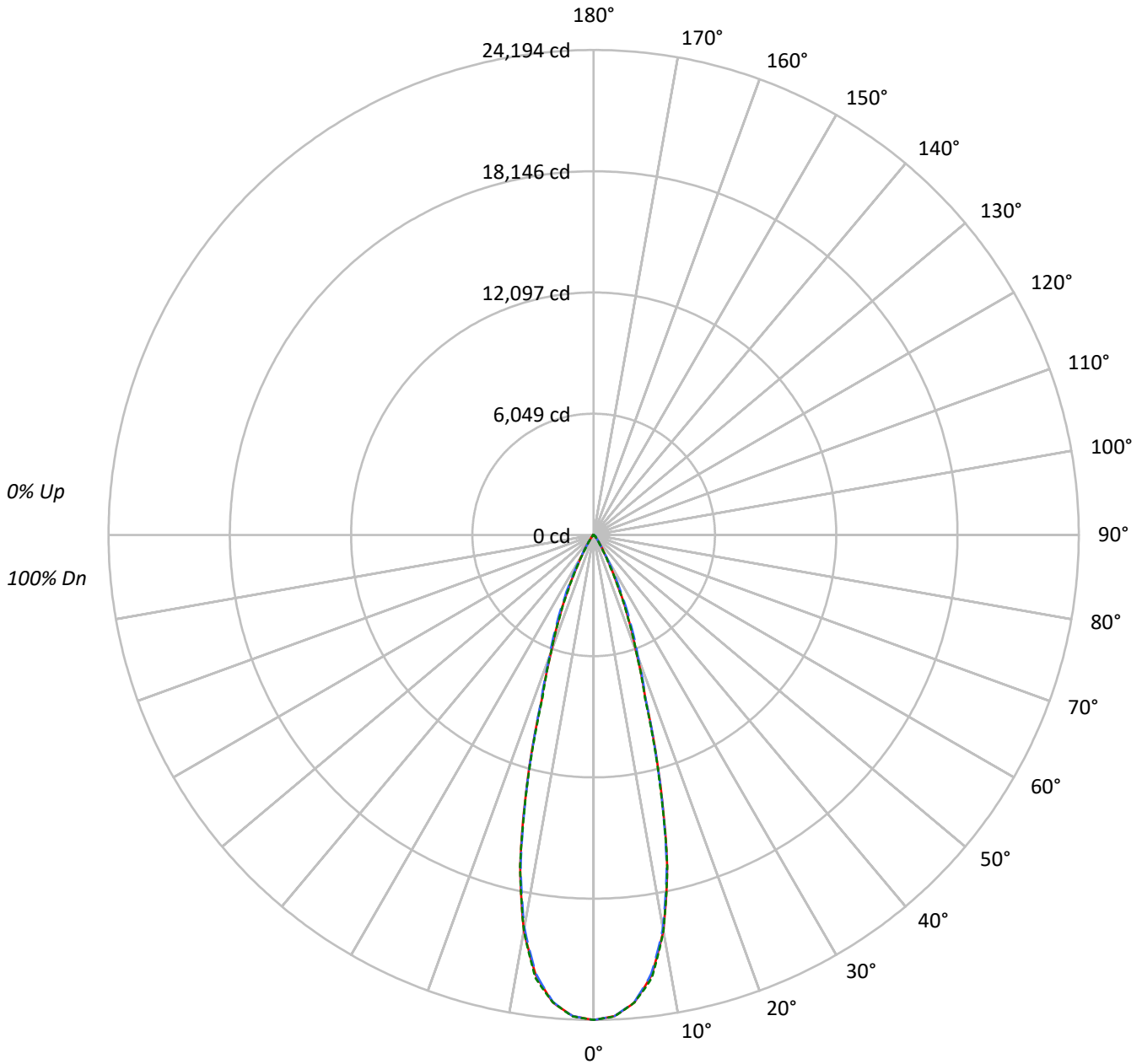
Lumens per Lamp: N/A  
Luminaire Lumens: 7524.1 lumens  
Efficiency: N/A  
Efficacy: 103.4 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 72.8  
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°	1851860	1851860	1851860
5°	1798695	1796597	1798787
10°	1557943	1546960	1557577
15°	1016481	1011021	1005941
20°	505449	524412	504773
25°	254610	287109	249391
30°	101943	111073	88818
35°	47282	45282	37956
40°	20414	22672	19225
45°	14397	17872	14527
50°	4954	13015	5228
55°	2856	5391	3016
60°	2005	2358	2005
65°	1286	1286	1286
70°	806	537	806
75°	0	355	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 17872 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2127.5	28.3
10°-20°	3426.3	45.5
20°-30°	1480.6	19.7
30°-40°	337.5	4.5
40°-50°	115.9	1.5
50°-60°	28.3	0.4
60°-70°	7.3	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°	7034.3	93.5
0°-40°	7371.8	98.0
0°-60°	7516.0	99.9
0°-90°	7524.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7524.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	24194	24194	24194	24194	24194	
5°	23410	23387	23382	23431	23411	2129
15°	12827	12673	12758	12717	12694	3435
25°	3015	3129	3400	3049	2953	1443
35°	506	517	485	481	406	343
45°	133	165	165	165	134	94
55°	21	23	40	24	23	21
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°	24193.6	24193.6	24193.6	24193.6	24193.6
2.5°	24033.2	24016.6	24026.1	24038.0	24042.7
5°	23409.6	23387.0	23382.3	23431.0	23410.8
7.5°	22151.7	22119.6	22070.9	22181.4	22284.7
10°	20044.5	20008.9	19903.2	19955.4	20039.8
12.5°	16933.6	16818.4	16816.0	16982.3	16959.7
15°	12827.3	12672.9	12758.4	12716.8	12694.3
17.5°	8626.0	8566.6	8680.6	8646.2	8497.7
20°	6205.2	6220.6	6438.0	6328.7	6196.9
22.5°	4528.0	4583.8	4841.6	4560.1	4456.7
25°	3014.7	3128.7	3399.5	3049.1	2952.9
27.5°	1854.2	1906.5	2180.8	1830.4	1778.2
30°	1153.4	1127.2	1256.7	1078.5	1004.9
32.5°	756.6	723.4	765.0	686.6	627.2
35°	506.0	516.7	484.6	481.1	406.2
37.5°	316.0	363.5	320.7	342.1	261.3
40°	204.3	263.7	226.9	250.6	192.4
42.5°	167.5	203.1	186.5	198.4	171.0
45°	133.0	165.1	165.1	165.1	134.2
47.5°	73.6	110.5	141.4	112.8	78.4
50°	41.6	55.8	109.3	58.2	43.9
52.5°	28.5	32.1	74.8	33.3	29.7
55°	21.4	22.6	40.4	23.8	22.6
57.5°	16.6	17.8	21.4	17.8	16.6
60°	13.1	13.1	15.4	14.3	13.1
62.5°	9.5	9.5	10.7	9.5	9.5
65°	7.1	7.1	7.1	7.1	7.1
67.5°	3.6	4.8	4.8	4.8	4.8
70°	3.6	2.4	2.4	2.4	3.6
72.5°	2.4	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

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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