

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: P767996

Luminaire Tested: LD6D55D010-EU6DR3055659050-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P767996  
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: LD6D55D010-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: 6186.7 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

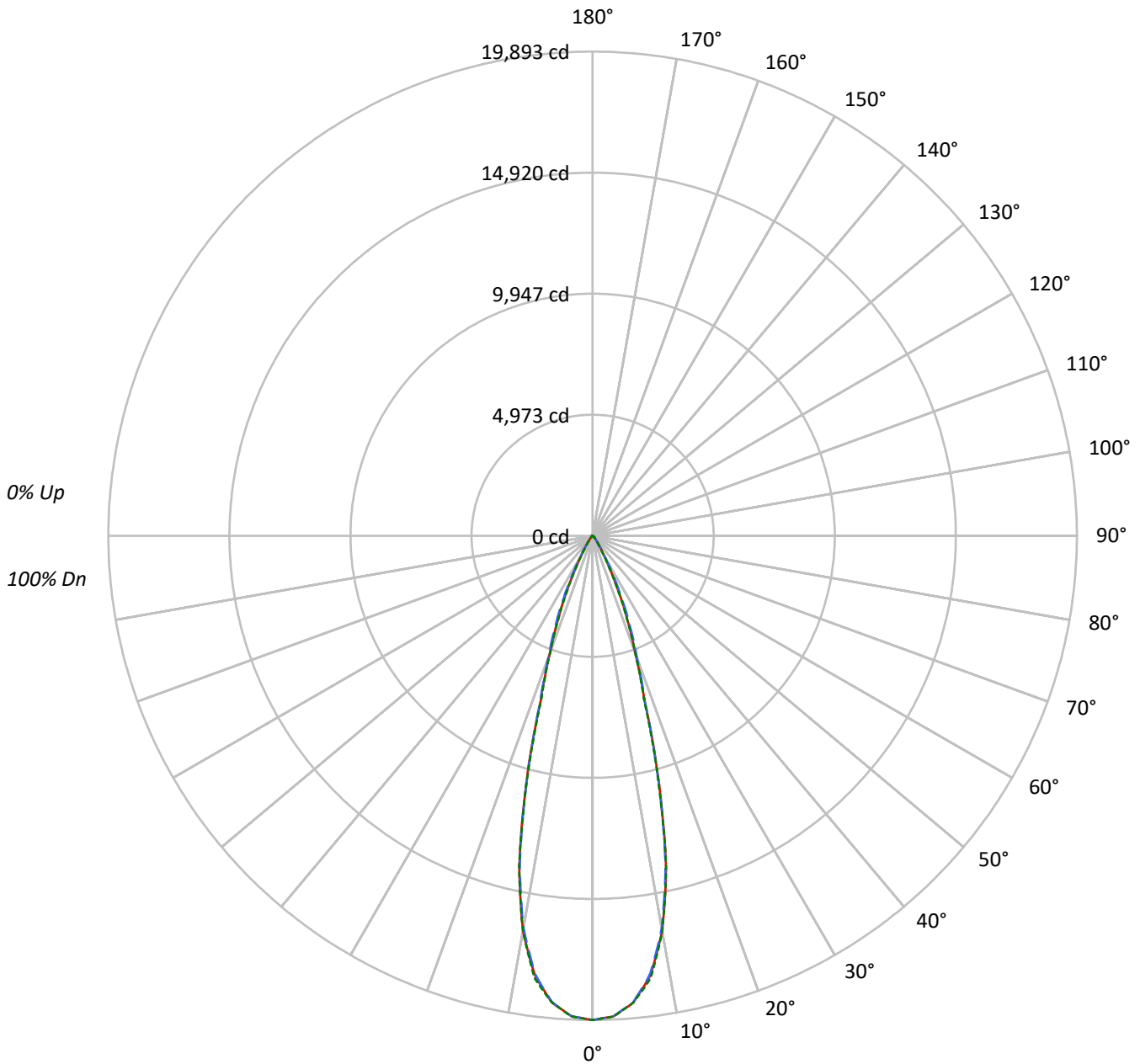
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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°	1522678	1522678	1522678
5°	1478966	1477237	1479043
10°	1281011	1271972	1280708
15°	835798	831305	827128
20°	415604	431194	415042
25°	209350	236081	205060
30°	83824	91328	73032
35°	38881	37237	31210
40°	16787	18635	15807
45°	11842	14700	11951
50°	4073	10705	4299
55°	2349	4431	2482
60°	1638	1944	1638
65°	1069	1069	1069
70°	649	448	649
75°	0	296	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 14700 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1749.3	28.3
10°-20°	2817.2	45.5
20°-30°	1217.4	19.7
30°-40°	277.5	4.5
40°-50°	95.3	1.5
50°-60°	23.3	0.4
60°-70°	6.0	0.1
70°-80°	0.6	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°	5783.9	93.5
0°-40°	6061.4	98.0
0°-60°	6180.0	99.9
0°-90°	6186.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6186.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	19893	19893	19893	19893	19893	
5°	19248	19230	19226	19266	19249	1751
15°	10547	10420	10490	10456	10438	2824
25°	2479	2573	2795	2507	2428	1187
35°	416	425	398	396	334	282
45°	109	136	136	136	110	78
55°	18	19	33	20	19	17
65°	6	6	6	6	6	6
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°	19893.0	19893.0	19893.0	19893.0	19893.0
2.5°	19761.2	19747.5	19755.3	19765.1	19769.0
5°	19248.4	19229.8	19225.9	19266.0	19249.4
7.5°	18214.1	18187.7	18147.7	18238.5	18323.5
10°	16481.5	16452.2	16365.2	16408.2	16477.6
12.5°	13923.5	13828.8	13826.9	13963.6	13945.0
15°	10547.2	10420.2	10490.5	10456.3	10437.8
17.5°	7092.6	7043.8	7137.6	7109.3	6987.2
20°	5102.2	5114.9	5293.6	5203.7	5095.3
22.5°	3723.1	3769.0	3980.9	3749.5	3664.5
25°	2478.8	2572.6	2795.3	2507.1	2428.0
27.5°	1524.6	1567.6	1793.2	1505.1	1462.1
30°	948.4	926.9	1033.3	886.8	826.3
32.5°	622.1	594.8	629.0	564.5	515.7
35°	416.1	424.9	398.5	395.6	334.0
37.5°	259.8	298.9	263.7	281.3	214.9
40°	168.0	216.8	186.5	206.1	158.2
42.5°	137.7	167.0	153.3	163.1	140.6
45°	109.4	135.8	135.8	135.8	110.4
47.5°	60.6	90.8	116.2	92.8	64.5
50°	34.2	45.9	89.9	47.9	36.1
52.5°	23.4	26.4	61.5	27.3	24.4
55°	17.6	18.6	33.2	19.5	18.6
57.5°	13.7	14.7	17.6	14.7	13.7
60°	10.7	10.7	12.7	11.7	10.7
62.5°	7.8	7.8	8.8	7.8	7.8
65°	5.9	5.9	5.9	5.9	5.9
67.5°	2.9	3.9	3.9	3.9	3.9
70°	2.9	2.0	2.0	2.0	2.9
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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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