

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: P767995

Luminaire Tested: LD6D55D010-EU6DR3055659050-6LBCSSQMMS

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P767995  
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-EU6DR3055659050-6LBCSSQMMS  
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

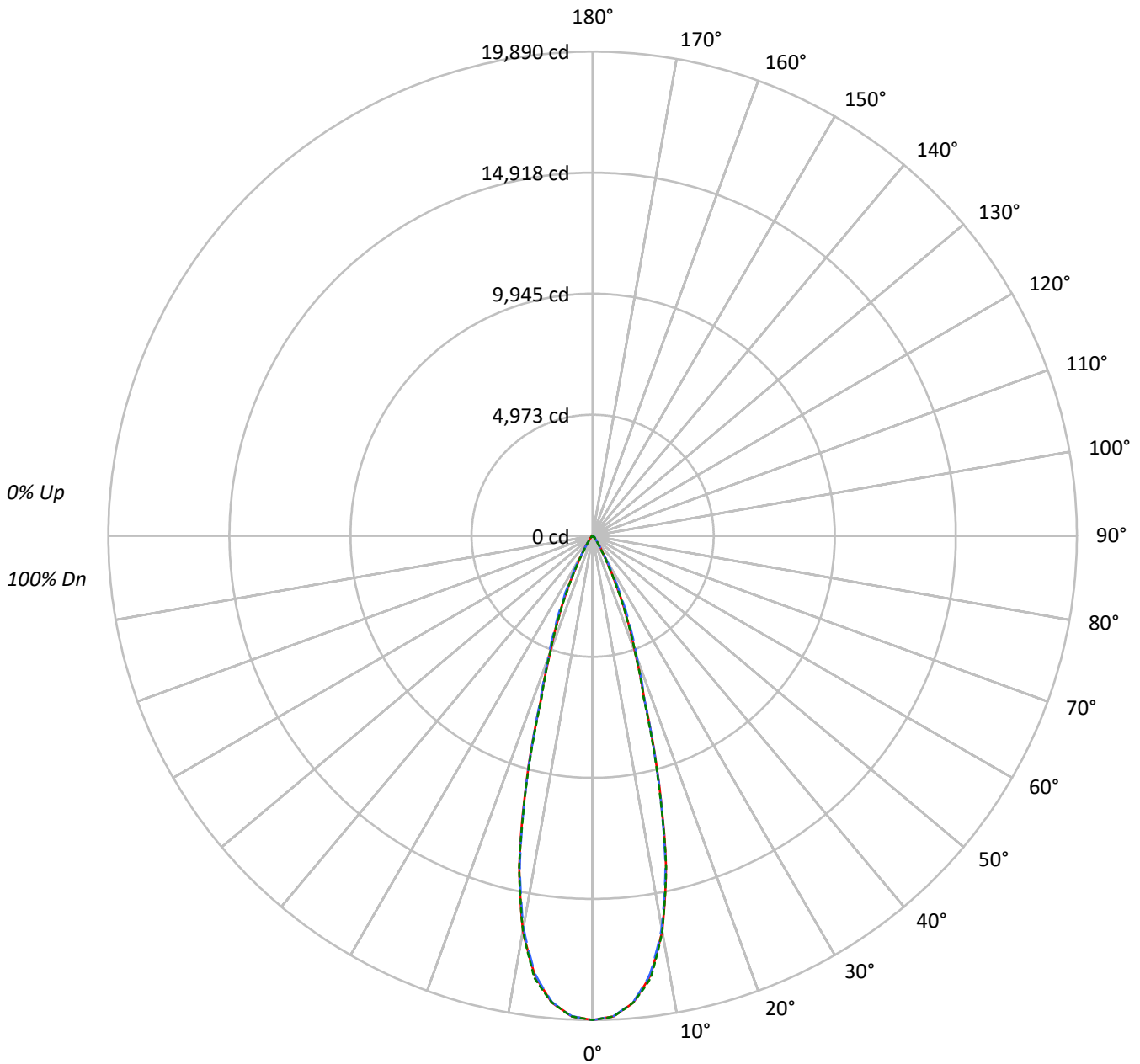
Lumens per Lamp: N/A  
Luminaire Lumens: 6185.7 lumens  
Efficiency: N/A  
Efficacy: 106.3 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (Ain): 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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1522440	1522440	1522440
5°	1478735	1477007	1478804
10°	1280809	1271778	1280506
15°	835663	831178	826994
20°	415539	431129	414976
25°	209316	236038	205026
30°	83806	91319	73015
35°	38872	37227	31210
40°	16787	18635	15807
45°	11842	14689	11940
50°	4073	10693	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: 14689 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1749.0	28.3
10°-20°	2816.8	45.5
20°-30°	1217.2	19.7
30°-40°	277.4	4.5
40°-50°	95.2	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°	5783.0	93.5
0°-40°	6060.5	98.0
0°-60°	6179.0	99.9
0°-90°	6185.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6185.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	19890	19890	19890	19890	19890	
5°	19245	19227	19223	19263	19246	1750
15°	10546	10419	10489	10455	10436	2824
25°	2478	2572	2795	2507	2428	1186
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°	19889.9	19889.9	19889.9	19889.9	19889.9
2.5°	19758.0	19744.4	19752.2	19762.0	19765.9
5°	19245.4	19226.8	19222.9	19262.9	19246.3
7.5°	18211.2	18184.9	18144.8	18235.6	18320.6
10°	16478.9	16449.6	16362.7	16405.6	16475.0
12.5°	13921.4	13826.6	13824.7	13961.4	13942.8
15°	10545.5	10418.6	10488.9	10454.7	10436.1
17.5°	7091.5	7042.7	7136.5	7108.1	6986.1
20°	5101.4	5114.1	5292.8	5202.9	5094.5
22.5°	3722.5	3768.4	3980.3	3748.9	3663.9
25°	2478.4	2572.2	2794.8	2506.7	2427.6
27.5°	1524.4	1567.3	1792.9	1504.8	1461.9
30°	948.2	926.7	1033.2	886.7	826.1
32.5°	622.0	594.7	628.9	564.4	515.6
35°	416.0	424.8	398.4	395.5	334.0
37.5°	259.8	298.8	263.7	281.2	214.8
40°	168.0	216.8	186.5	206.0	158.2
42.5°	137.7	167.0	153.3	163.1	140.6
45°	109.4	135.7	135.7	135.7	110.3
47.5°	60.5	90.8	116.2	92.8	64.5
50°	34.2	45.9	89.8	47.8	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	14.6	17.6	14.6	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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