

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: P767941

Luminaire Tested: LD6D55D010-EU6DR3055659024-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P767941  
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-EU6DR3055659024-6LBSQW1MW  
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: 4580.6 lumens  
Efficiency: N/A  
Efficacy: 78.7 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

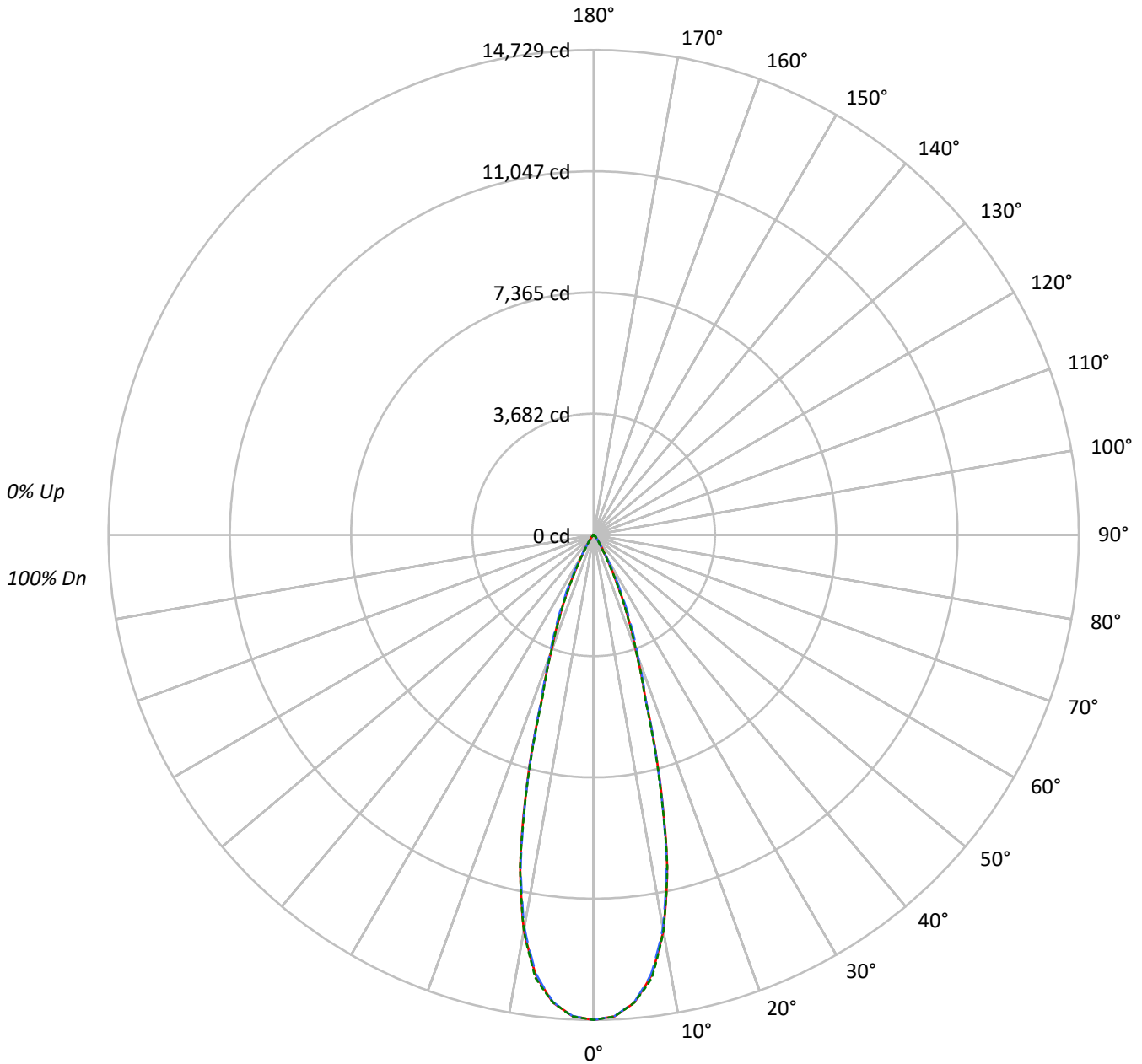
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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°	1127408	1127408	1127408
5°	1095040	1093765	1095102
10°	948476	941784	948251
15°	618829	615508	612418
20°	307716	319258	307300
25°	155003	174791	151827
30°	62064	67623	54074
35°	28790	27565	23108
40°	12430	13799	11701
45°	8768	10879	8844
50°	3013	7919	3191
55°	1735	3283	1828
60°	1225	1439	1225
65°	779	779	779
70°	492	313	492
75°	0	207	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 10879 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1295.2	28.3
10°-20°	2085.9	45.5
20°-30°	901.4	19.7
30°-40°	205.4	4.5
40°-50°	70.5	1.5
50°-60°	17.2	0.4
60°-70°	4.5	0.1
70°-80°	0.5	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°	4282.5	93.5
0°-40°	4487.9	98.0
0°-60°	4575.7	99.9
0°-90°	4580.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4580.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	14729	14729	14729	14729	14729	
5°	14252	14238	14235	14265	14252	1296
15°	7809	7715	7767	7742	7728	2091
25°	1835	1905	2070	1856	1798	879
35°	308	315	295	293	247	209
45°	81	100	100	100	82	57
55°	13	14	25	14	14	13
65°	4	4	4	4	4	4
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°	14729.0	14729.0	14729.0	14729.0	14729.0
2.5°	14631.4	14621.3	14627.1	14634.3	14637.2
5°	14251.7	14238.0	14235.1	14264.8	14252.5
7.5°	13485.9	13466.4	13436.8	13504.0	13566.9
10°	12203.1	12181.4	12117.0	12148.8	12200.2
12.5°	10309.2	10239.0	10237.6	10338.8	10325.1
15°	7809.2	7715.2	7767.3	7742.0	7728.3
17.5°	5251.5	5215.3	5284.7	5263.8	5173.4
20°	3777.7	3787.1	3919.4	3852.9	3772.6
22.5°	2756.6	2790.6	2947.5	2776.2	2713.2
25°	1835.3	1904.8	2069.6	1856.3	1797.7
27.5°	1128.8	1160.6	1327.7	1114.4	1082.5
30°	702.2	686.3	765.1	656.6	611.8
32.5°	460.6	440.4	465.7	418.0	381.8
35°	308.1	314.6	295.0	292.9	247.3
37.5°	192.4	221.3	195.2	208.3	159.1
40°	124.4	160.5	138.1	152.6	117.1
42.5°	102.0	123.7	113.5	120.8	104.1
45°	81.0	100.5	100.5	100.5	81.7
47.5°	44.8	67.3	86.1	68.7	47.7
50°	25.3	34.0	66.5	35.4	26.8
52.5°	17.4	19.5	45.6	20.2	18.1
55°	13.0	13.7	24.6	14.5	13.7
57.5°	10.1	10.8	13.0	10.8	10.1
60°	8.0	8.0	9.4	8.7	8.0
62.5°	5.8	5.8	6.5	5.8	5.8
65°	4.3	4.3	4.3	4.3	4.3
67.5°	2.2	2.9	2.9	2.9	2.9
70°	2.2	1.4	1.4	1.4	2.2
72.5°	1.4	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	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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