

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: P770336

Luminaire Tested: LD6D70BD010-EU6DR3070959050-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770336  
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: LD6D70BD010-EU6DR3070959050-6LBCSSQMW  
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: 7669.5 lumens  
Efficiency: N/A  
Efficacy: 115.2 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

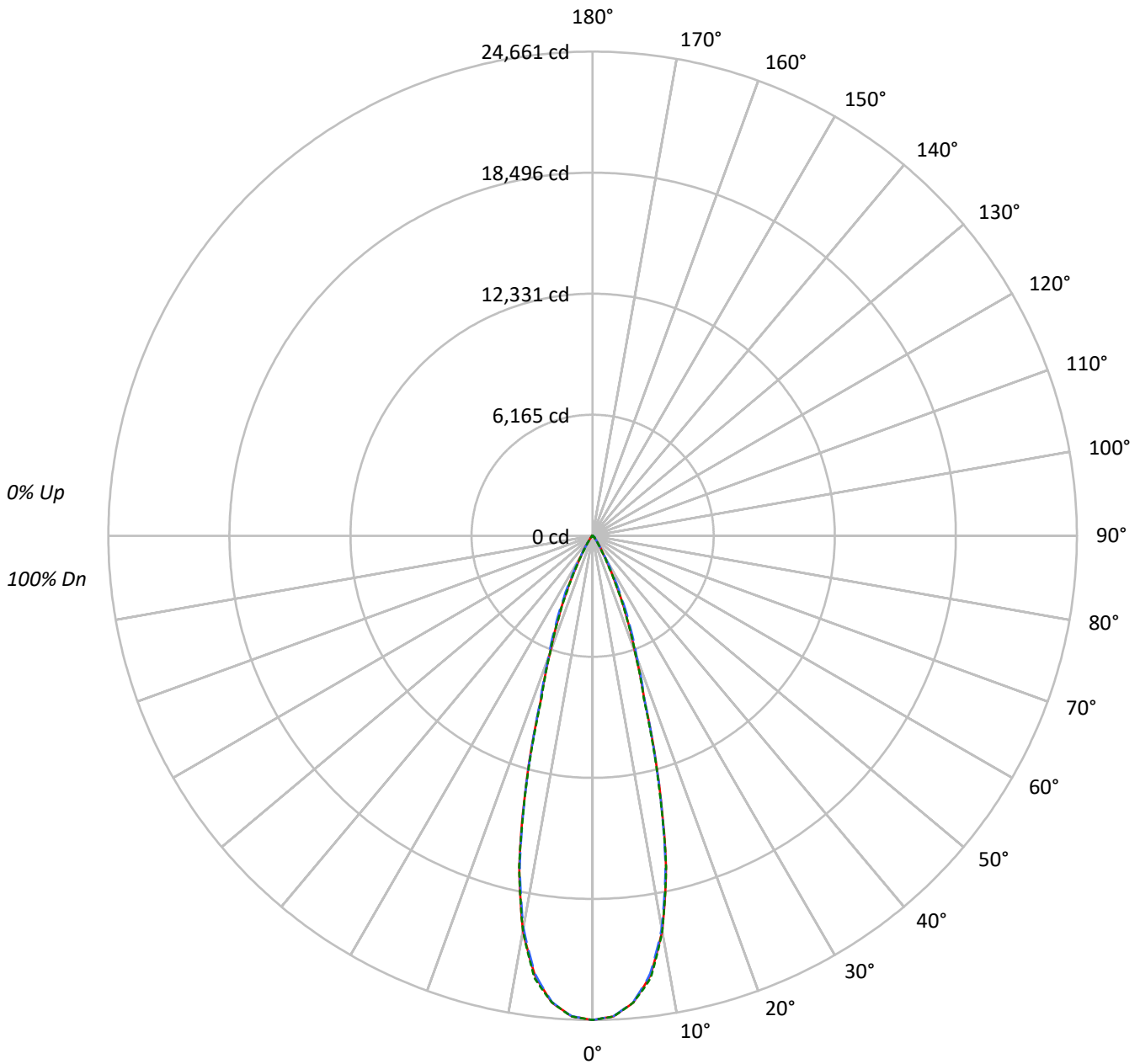
Input Watts (W): 66.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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°	1887637	1887637	1887637
5°	1833448	1831312	1833540
10°	1588045	1576845	1587672
15°	1036117	1030555	1025372
20°	515216	534545	514524
25°	259526	292658	254213
30°	103914	113221	90532
35°	48198	46160	38694
40°	20813	23112	19594
45°	14679	18218	14808
50°	5049	13266	5335
55°	2909	5498	3069
60°	2036	2403	2036
65°	1322	1322	1322
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: 18218 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2168.6	28.3
10°-20°	3492.5	45.5
20°-30°	1509.2	19.7
30°-40°	344.0	4.5
40°-50°	118.1	1.5
50°-60°	28.9	0.4
60°-70°	7.5	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°	7170.3	93.5
0°-40°	7514.2	98.0
0°-60°	7661.2	99.9
0°-90°	7669.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7669.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	24661	24661	24661	24661	24661	
5°	23862	23839	23834	23884	23863	2170
15°	13075	12918	13005	12962	12940	3501
25°	3073	3189	3465	3108	3010	1471
35°	516	527	494	490	414	350
45°	136	168	168	168	137	96
55°	22	23	41	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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	24661.0	24661.0	24661.0	24661.0	24661.0
2.5°	24497.6	24480.6	24490.3	24502.4	24507.3
5°	23861.9	23838.9	23834.1	23883.7	23863.1
7.5°	22579.7	22547.0	22497.4	22610.0	22715.3
10°	20431.8	20395.5	20287.7	20341.0	20427.0
12.5°	17260.8	17143.3	17140.9	17310.4	17287.4
15°	13075.1	12917.7	13004.9	12962.5	12939.5
17.5°	8792.6	8732.1	8848.3	8813.2	8661.9
20°	6325.1	6340.8	6562.4	6451.0	6316.6
22.5°	4615.5	4672.4	4935.1	4648.2	4542.8
25°	3072.9	3189.2	3465.2	3108.1	3010.0
27.5°	1890.0	1943.3	2223.0	1865.8	1812.5
30°	1175.7	1149.0	1281.0	1099.4	1024.3
32.5°	771.3	737.4	779.7	699.8	639.3
35°	515.8	526.7	494.0	490.4	414.1
37.5°	322.1	370.5	326.9	348.7	266.4
40°	208.3	268.8	231.3	255.5	196.1
42.5°	170.7	207.0	190.1	202.2	174.4
45°	135.6	168.3	168.3	168.3	136.8
47.5°	75.1	112.6	144.1	115.0	79.9
50°	42.4	56.9	111.4	59.3	44.8
52.5°	29.1	32.7	76.3	33.9	30.3
55°	21.8	23.0	41.2	24.2	23.0
57.5°	17.0	18.2	21.8	18.2	17.0
60°	13.3	13.3	15.7	14.5	13.3
62.5°	9.7	9.7	10.9	9.7	9.7
65°	7.3	7.3	7.3	7.3	7.3
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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