

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: P770269

Luminaire Tested: LD6D70BD010-EU6DR3070959024-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770269  
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-EU6DR3070959024-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6167.9 lumens  
Efficiency: N/A  
Efficacy: 92.6 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

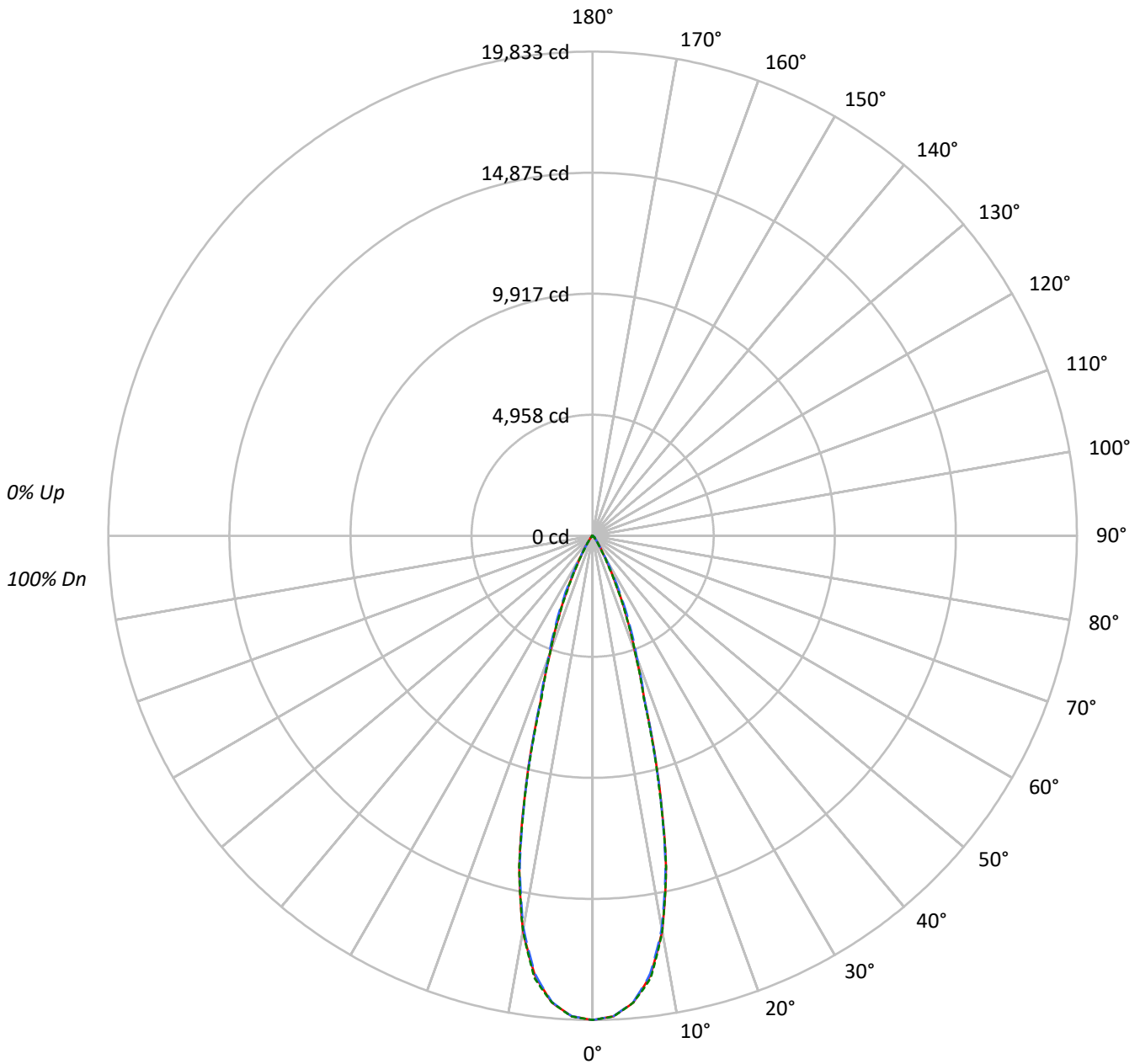
Input Watts (W): 66.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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	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°	1518062	1518062	1518062
5°	1474486	1472765	1474555
10°	1277125	1268117	1276822
15°	833262	828785	824616
20°	414341	429891	413787
25°	208717	235363	204443
30°	83568	91054	72811
35°	38760	37125	31116
40°	16737	18585	15757
45°	11810	14646	11907
50°	4061	10670	4287
55°	2335	4417	2469
60°	1638	1944	1638
65°	1050	1050	1050
70°	649	425	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: 14646 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1744.0	28.3
10°-20°	2808.7	45.5
20°-30°	1213.7	19.7
30°-40°	276.6	4.5
40°-50°	95.0	1.5
50°-60°	23.2	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°	5766.4	93.5
0°-40°	6043.0	98.0
0°-60°	6161.2	99.9
0°-90°	6167.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6167.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	19833	19833	19833	19833	19833	
5°	19190	19172	19168	19208	19191	1745
15°	10515	10389	10459	10425	10406	2816
25°	2471	2565	2787	2500	2421	1183
35°	415	424	397	394	333	281
45°	109	135	135	135	110	77
55°	18	18	33	20	18	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°	19832.7	19832.7	19832.7	19832.7	19832.7
2.5°	19701.3	19687.6	19695.4	19705.2	19709.0
5°	19190.1	19171.6	19167.7	19207.6	19191.0
7.5°	18158.9	18132.6	18092.7	18183.2	18267.9
10°	16431.5	16402.3	16315.6	16358.5	16427.6
12.5°	13881.3	13786.9	13784.9	13921.3	13902.8
15°	10515.2	10388.6	10458.7	10424.6	10406.1
17.5°	7071.1	7022.5	7115.9	7087.7	6966.0
20°	5086.7	5099.4	5277.6	5188.0	5079.9
22.5°	3711.8	3757.6	3968.9	3738.1	3653.4
25°	2471.3	2564.8	2786.8	2499.5	2420.7
27.5°	1520.0	1562.8	1787.7	1500.5	1457.7
30°	945.5	924.1	1030.2	884.1	823.8
32.5°	620.3	593.0	627.1	562.8	514.1
35°	414.8	423.6	397.3	394.4	333.0
37.5°	259.0	298.0	262.9	280.4	214.2
40°	167.5	216.2	186.0	205.5	157.7
42.5°	137.3	166.5	152.9	162.6	140.2
45°	109.1	135.3	135.3	135.3	110.0
47.5°	60.4	90.6	115.9	92.5	64.3
50°	34.1	45.8	89.6	47.7	36.0
52.5°	23.4	26.3	61.3	27.3	24.3
55°	17.5	18.5	33.1	19.5	18.5
57.5°	13.6	14.6	17.5	14.6	13.6
60°	10.7	10.7	12.7	11.7	10.7
62.5°	7.8	7.8	8.8	7.8	7.8
65°	5.8	5.8	5.8	5.8	5.8
67.5°	2.9	3.9	3.9	3.9	3.9
70°	2.9	1.9	1.9	1.9	2.9
72.5°	1.9	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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