

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: P768774

Luminaire Tested: LD6D60D010-EU6DR3055659050-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768774  
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: LD6D60D010-EU6DR3055659050-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6802.0 lumens  
Efficiency: N/A  
Efficacy: 105.6 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

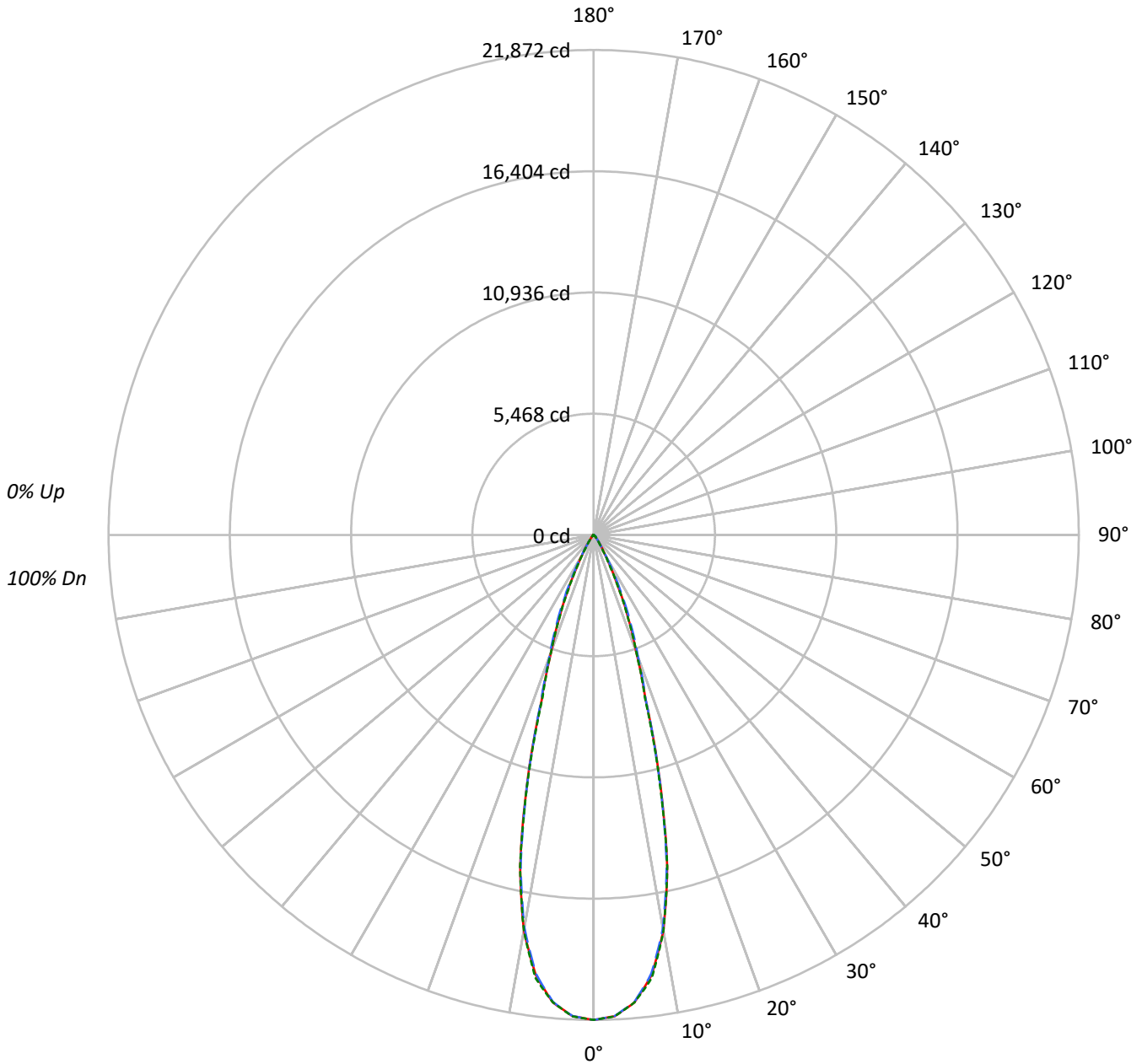
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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					70					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°	1674134	1674134	1674134
5°	1626076	1624178	1626160
10°	1408432	1398499	1408098
15°	918932	913995	909399
20°	456942	474089	456332
25°	230177	259560	225456
30°	92159	100414	80298
35°	42750	40937	34312
40°	18455	20494	17386
45°	13022	16162	13131
50°	4477	11765	4727
55°	2576	4871	2722
60°	1806	2143	1806
65°	1159	1159	1159
70°	716	470	716
75°	0	325	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 16162 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1923.3	28.3
10°-20°	3097.5	45.5
20°-30°	1338.5	19.7
30°-40°	305.1	4.5
40°-50°	104.8	1.5
50°-60°	25.6	0.4
60°-70°	6.6	0.1
70°-80°	0.7	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°	6359.3	93.5
0°-40°	6664.3	98.0
0°-60°	6794.7	99.9
0°-90°	6802.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6802.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	21872	21872	21872	21872	21872	
5°	21163	21143	21138	21182	21164	1925
15°	11596	11457	11534	11496	11476	3105
25°	2725	2828	3073	2756	2670	1305
35°	458	467	438	435	367	310
45°	120	149	149	149	121	85
55°	19	20	36	22	20	19
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°	21871.7	21871.7	21871.7	21871.7	21871.7
2.5°	21726.8	21711.7	21720.3	21731.1	21735.4
5°	21163.0	21142.6	21138.3	21182.3	21164.1
7.5°	20025.8	19996.8	19952.8	20052.7	20146.1
10°	18120.9	18088.6	17993.1	18040.3	18116.6
12.5°	15308.5	15204.3	15202.2	15352.5	15332.1
15°	11596.3	11456.7	11534.0	11496.4	11476.0
17.5°	7798.1	7744.5	7847.5	7816.4	7682.2
20°	5609.7	5623.6	5820.2	5721.4	5602.2
22.5°	4093.4	4143.9	4376.9	4122.4	4029.0
25°	2725.4	2828.5	3073.3	2756.5	2669.5
27.5°	1676.2	1723.5	1971.5	1654.8	1607.5
30°	1042.7	1019.1	1136.1	975.0	908.5
32.5°	684.0	654.0	691.5	620.7	567.0
35°	457.5	467.1	438.1	434.9	367.2
37.5°	285.6	328.6	289.9	309.3	236.2
40°	184.7	238.4	205.1	226.6	174.0
42.5°	151.4	183.6	168.6	179.3	154.6
45°	120.3	149.3	149.3	149.3	121.3
47.5°	66.6	99.9	127.8	102.0	70.9
50°	37.6	50.5	98.8	52.6	39.7
52.5°	25.8	29.0	67.7	30.1	26.8
55°	19.3	20.4	36.5	21.5	20.4
57.5°	15.0	16.1	19.3	16.1	15.0
60°	11.8	11.8	14.0	12.9	11.8
62.5°	8.6	8.6	9.7	8.6	8.6
65°	6.4	6.4	6.4	6.4	6.4
67.5°	3.2	4.3	4.3	4.3	4.3
70°	3.2	2.1	2.1	2.1	3.2
72.5°	2.1	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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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