

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: P768750

Luminaire Tested: LD6D60D010-EU6DR3055659035-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768750  
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-EU6DR3055659035-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

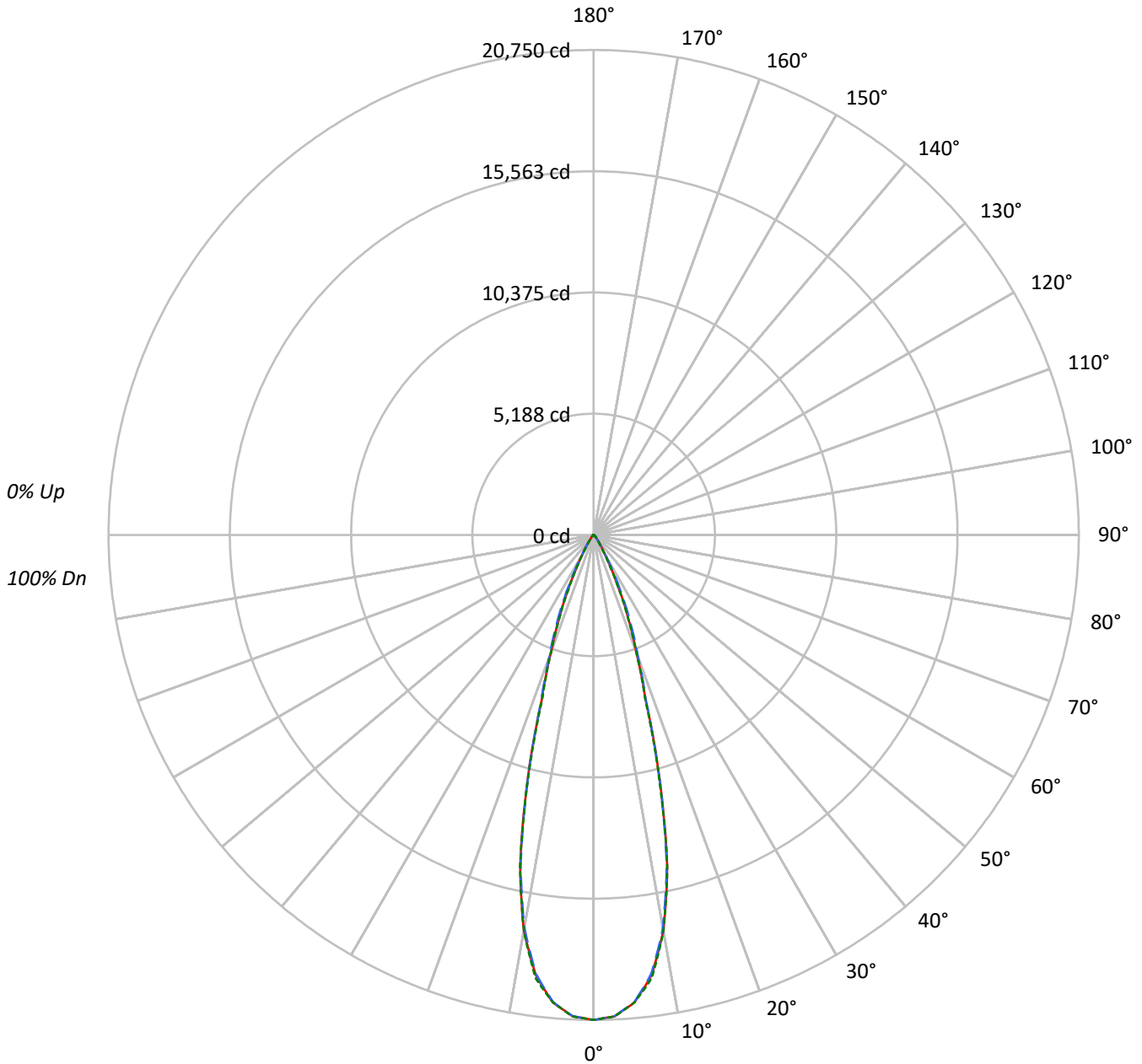
Lumens per Lamp: N/A  
Luminaire Lumens: 6453.1 lumens  
Efficiency: N/A  
Efficacy: 100.2 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 64.4  
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					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°	1588268	1588268	1588268
5°	1542678	1540872	1542755
10°	1336188	1326768	1335877
15°	871798	867115	862756
20°	433508	449766	432921
25°	218370	246249	213894
30°	87430	95261	76179
35°	40554	38844	32555
40°	17506	19444	16487
45°	12351	15328	12459
50°	4251	11158	4489
55°	2442	4617	2589
60°	1715	2021	1715
65°	1105	1105	1105
70°	694	448	694
75°	0	296	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 15328 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1824.6	28.3
10°-20°	2938.6	45.5
20°-30°	1269.8	19.7
30°-40°	289.4	4.5
40°-50°	99.4	1.5
50°-60°	24.3	0.4
60°-70°	6.3	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°	6033.1	93.5
0°-40°	6322.5	98.0
0°-60°	6446.2	99.9
0°-90°	6453.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6453.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20750	20750	20750	20750	20750	
5°	20078	20058	20054	20096	20079	1826
15°	11002	10869	10942	10907	10887	2946
25°	2586	2683	2916	2615	2533	1238
35°	434	443	416	413	348	294
45°	114	142	142	142	115	81
55°	18	19	35	20	19	18
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°	20749.9	20749.9	20749.9	20749.9	20749.9
2.5°	20612.4	20598.1	20606.3	20616.5	20620.6
5°	20077.6	20058.2	20054.1	20095.9	20078.6
7.5°	18998.7	18971.2	18929.4	19024.2	19112.8
10°	17191.4	17160.9	17070.2	17115.0	17187.4
12.5°	14523.3	14424.5	14422.5	14565.1	14545.7
15°	11001.5	10869.1	10942.4	10906.8	10887.4
17.5°	7398.2	7347.2	7445.0	7415.5	7288.2
20°	5322.0	5335.2	5521.6	5427.9	5314.8
22.5°	3883.5	3931.4	4152.4	3911.0	3822.4
25°	2585.6	2683.4	2915.7	2615.1	2532.6
27.5°	1590.3	1635.1	1870.4	1569.9	1525.1
30°	989.2	966.8	1077.8	925.0	861.9
32.5°	648.9	620.4	656.1	588.8	537.9
35°	434.0	443.2	415.7	412.6	348.4
37.5°	271.0	311.7	275.1	293.4	224.1
40°	175.2	226.2	194.6	215.0	165.0
42.5°	143.6	174.2	159.9	170.1	146.7
45°	114.1	141.6	141.6	141.6	115.1
47.5°	63.2	94.7	121.2	96.8	67.2
50°	35.7	47.9	93.7	49.9	37.7
52.5°	24.5	27.5	64.2	28.5	25.5
55°	18.3	19.4	34.6	20.4	19.4
57.5°	14.3	15.3	18.3	15.3	14.3
60°	11.2	11.2	13.2	12.2	11.2
62.5°	8.2	8.2	9.2	8.2	8.2
65°	6.1	6.1	6.1	6.1	6.1
67.5°	3.1	4.1	4.1	4.1	4.1
70°	3.1	2.0	2.0	2.0	3.1
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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