

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: P768776

Luminaire Tested: LD6D60D010-EU6DR3055659050-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768776
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-EU6DR3055659050-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

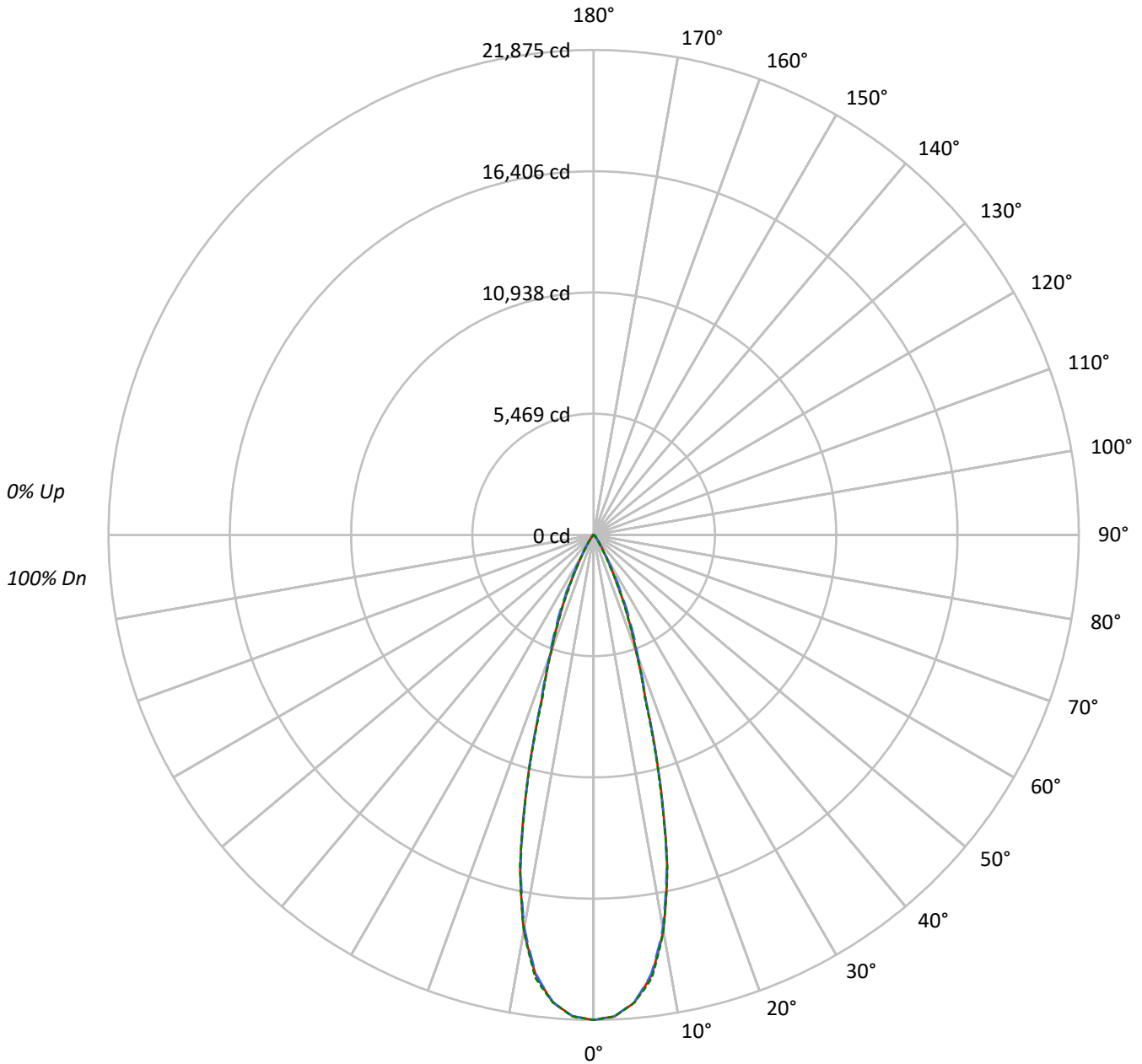
Lumens per Lamp: N/A
Luminaire Lumens: 6803.1 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (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°	1674402	1674402	1674402
5°	1626329	1624431	1626414
10°	1408650	1398717	1408316
15°	919075	914138	909542
20°	457016	474162	456397
25°	230211	259602	225498
30°	92176	100432	80306
35°	42750	40946	34321
40°	18455	20494	17386
45°	13022	16162	13141
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°	1923.6	28.3
10°-20°	3098.0	45.5
20°-30°	1338.7	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°	6360.3	93.5
0°-40°	6665.4	98.0
0°-60°	6795.7	99.9
0°-90°	6803.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6803.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21875	21875	21875	21875	21875	
5°	21166	21146	21142	21186	21167	1925
15°	11598	11458	11536	11498	11478	3106
25°	2726	2829	3074	2757	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°	21875.2	21875.2	21875.2	21875.2	21875.2
2.5°	21730.2	21715.2	21723.7	21734.5	21738.8
5°	21166.3	21145.9	21141.6	21185.7	21167.4
7.5°	20029.0	20000.0	19955.9	20055.8	20149.3
10°	18123.7	18091.5	17995.9	18043.2	18119.4
12.5°	15310.9	15206.7	15204.6	15354.9	15334.5
15°	11598.1	11458.5	11535.8	11498.2	11477.8
17.5°	7799.4	7745.7	7848.8	7817.6	7683.4
20°	5610.6	5624.5	5821.1	5722.3	5603.0
22.5°	4094.1	4144.6	4377.6	4123.1	4029.6
25°	2725.8	2828.9	3073.8	2757.0	2670.0
27.5°	1676.5	1723.8	1971.9	1655.0	1607.8
30°	1042.9	1019.2	1136.3	975.2	908.6
32.5°	684.1	654.1	691.7	620.8	567.1
35°	457.5	467.2	438.2	435.0	367.3
37.5°	285.7	328.6	290.0	309.3	236.3
40°	184.7	238.4	205.1	226.6	174.0
42.5°	151.4	183.7	168.6	179.4	154.7
45°	120.3	149.3	149.3	149.3	121.4
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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