

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: P767983

Luminaire Tested: LD6D55D010-EU6DR3055659040-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767983
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: LD6D55D010-EU6DR3055659040-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6142.8 lumens
Efficiency: N/A
Efficacy: 105.5 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

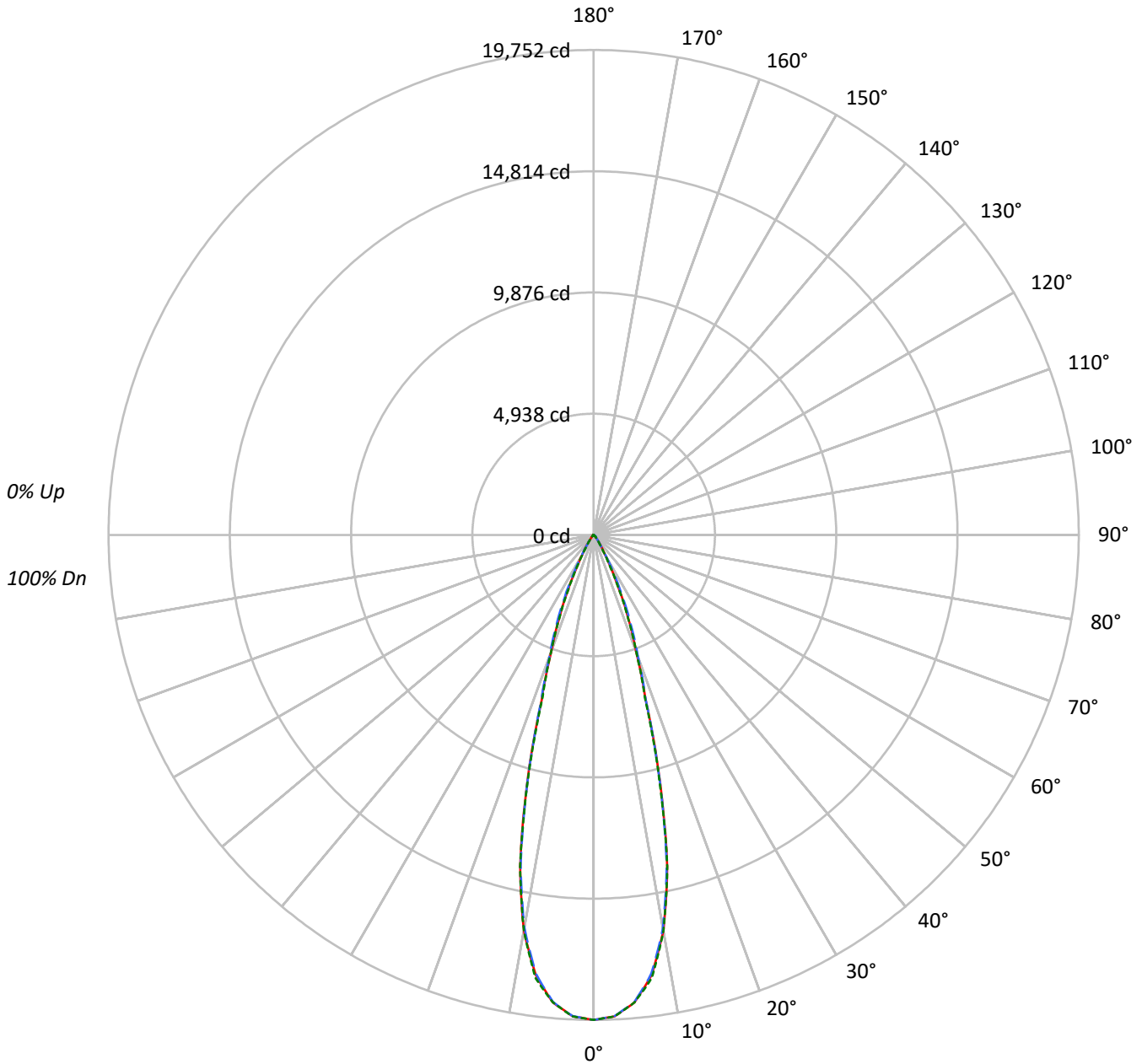
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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					100			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96					96			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92					92			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89					89			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85					85			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82					82			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79					79			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77					77			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74					74			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72					72			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69					69			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1511878	1511878	1511878
5°	1468478	1466764	1468555
10°	1271925	1262956	1271622
15°	829870	825409	821256
20°	412655	428140	412101
25°	207864	234400	203607
30°	83223	90683	72511
35°	38601	36975	30995
40°	16667	18505	15697
45°	11756	14592	11864
50°	4037	10622	4275
55°	2335	4404	2455
60°	1638	1929	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: 14592 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1736.9	28.3
10°-20°	2797.3	45.5
20°-30°	1208.8	19.7
30°-40°	275.5	4.5
40°-50°	94.6	1.5
50°-60°	23.1	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°	5742.9	93.5
0°-40°	6018.4	98.0
0°-60°	6136.1	99.9
0°-90°	6142.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6142.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19752	19752	19752	19752	19752	
5°	19112	19094	19090	19129	19113	1738
15°	10472	10346	10416	10382	10364	2804
25°	2461	2554	2775	2489	2411	1178
35°	413	422	396	393	332	280
45°	109	135	135	135	110	77
55°	18	18	33	19	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°	19751.9	19751.9	19751.9	19751.9	19751.9
2.5°	19621.0	19607.4	19615.2	19624.9	19628.8
5°	19111.9	19093.5	19089.6	19129.3	19112.9
7.5°	18084.9	18058.7	18019.0	18109.2	18193.5
10°	16364.6	16335.5	16249.2	16291.8	16360.7
12.5°	13824.8	13730.7	13728.8	13864.6	13846.1
15°	10472.4	10346.3	10416.1	10382.2	10363.7
17.5°	7042.3	6993.9	7087.0	7058.8	6937.6
20°	5066.0	5078.6	5256.1	5166.8	5059.2
22.5°	3696.7	3742.3	3952.7	3722.9	3638.5
25°	2461.2	2554.3	2775.4	2489.4	2410.8
27.5°	1513.8	1556.5	1780.5	1494.4	1451.7
30°	941.6	920.3	1026.0	880.5	820.4
32.5°	617.7	590.6	624.5	560.5	512.0
35°	413.1	421.8	395.7	392.7	331.7
37.5°	258.0	296.7	261.8	279.3	213.3
40°	166.8	215.3	185.2	204.6	157.1
42.5°	136.7	165.8	152.3	161.9	139.6
45°	108.6	134.8	134.8	134.8	109.6
47.5°	60.1	90.2	115.4	92.1	64.0
50°	33.9	45.6	89.2	47.5	35.9
52.5°	23.3	26.2	61.1	27.2	24.2
55°	17.5	18.4	33.0	19.4	18.4
57.5°	13.6	14.5	17.5	14.5	13.6
60°	10.7	10.7	12.6	11.6	10.7
62.5°	7.8	7.8	8.7	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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