

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: P767944

Luminaire Tested: LD6D55D010-EU6DR3055659027-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767944
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-EU6DR3055659027-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5636.9 lumens
Efficiency: N/A
Efficacy: 96.9 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

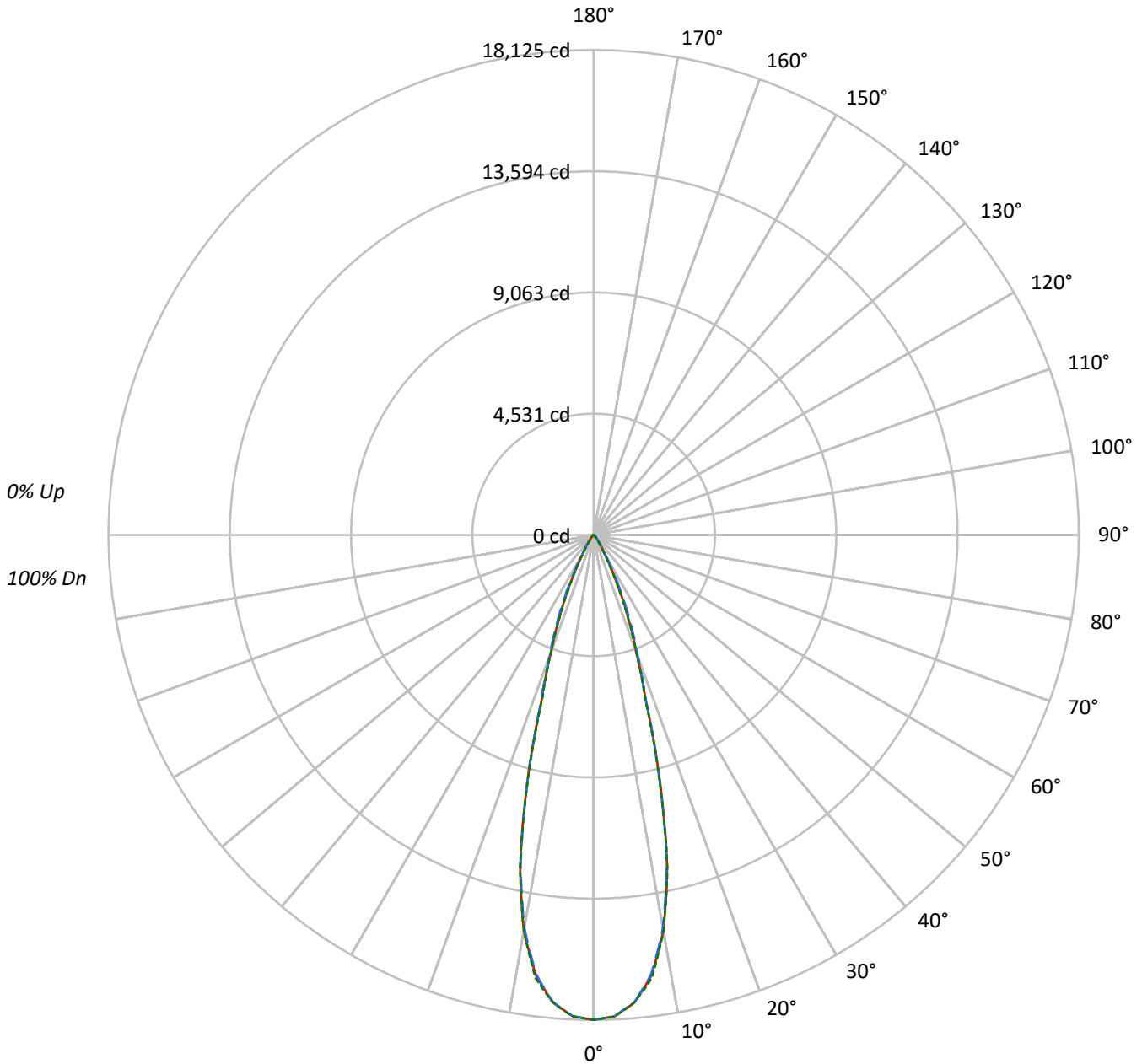
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1387372	1387372	1387372
5°	1347546	1345971	1347615
10°	1167177	1158946	1166897
15°	761523	757434	753630
20°	378672	392878	378167
25°	190745	215102	186843
30°	76373	83214	66536
35°	35424	33929	28434
40°	15298	16986	14409
45°	10792	13390	10890
50°	3703	9753	3918
55°	2135	4044	2255
60°	1500	1776	1500
65°	960	960	960
70°	604	403	604
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 13390 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1593.8	28.3
10°-20°	2566.9	45.5
20°-30°	1109.2	19.7
30°-40°	252.8	4.5
40°-50°	86.8	1.5
50°-60°	21.2	0.4
60°-70°	5.5	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°	5270.0	93.5
0°-40°	5522.8	98.0
0°-60°	5630.8	99.9
0°-90°	5636.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5636.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18125	18125	18125	18125	18125	
5°	17538	17521	17518	17554	17539	1595
15°	9610	9494	9558	9527	9510	2573
25°	2258	2344	2547	2284	2212	1081
35°	379	387	363	360	304	257
45°	100	124	124	124	101	71
55°	16	17	30	18	17	16
65°	5	5	5	5	5	5
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°	18125.3	18125.3	18125.3	18125.3	18125.3
2.5°	18005.2	17992.7	17999.8	18008.7	18012.3
5°	17538.0	17521.1	17517.5	17554.0	17538.9
7.5°	16595.6	16571.5	16535.1	16617.8	16695.2
10°	15016.9	14990.2	14911.0	14950.2	15013.3
12.5°	12686.3	12600.0	12598.2	12722.8	12705.9
15°	9609.9	9494.2	9558.3	9527.2	9510.3
17.5°	6462.4	6417.9	6503.3	6477.5	6366.3
20°	4648.8	4660.4	4823.2	4741.3	4642.6
22.5°	3392.3	3434.1	3627.2	3416.3	3338.9
25°	2258.5	2344.0	2546.9	2284.3	2212.3
27.5°	1389.1	1428.3	1633.8	1371.3	1332.2
30°	864.1	844.5	941.5	808.0	752.8
32.5°	566.9	541.9	573.1	514.4	469.9
35°	379.1	387.1	363.1	360.4	304.3
37.5°	236.7	272.3	240.3	256.3	195.8
40°	153.1	197.6	170.0	187.8	144.2
42.5°	125.5	152.2	139.7	148.6	128.1
45°	99.7	123.7	123.7	123.7	100.6
47.5°	55.2	82.8	105.9	84.5	58.7
50°	31.1	41.8	81.9	43.6	32.9
52.5°	21.4	24.0	56.1	24.9	22.2
55°	16.0	16.9	30.3	17.8	16.9
57.5°	12.5	13.3	16.0	13.3	12.5
60°	9.8	9.8	11.6	10.7	9.8
62.5°	7.1	7.1	8.0	7.1	7.1
65°	5.3	5.3	5.3	5.3	5.3
67.5°	2.7	3.6	3.6	3.6	3.6
70°	2.7	1.8	1.8	1.8	2.7
72.5°	1.8	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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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