

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: P767966

Luminaire Tested: LD6D55D010-EU6DR3055659030-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767966
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-EU6DR3055659030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4828.4 lumens
Efficiency: N/A
Efficacy: 83.0 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

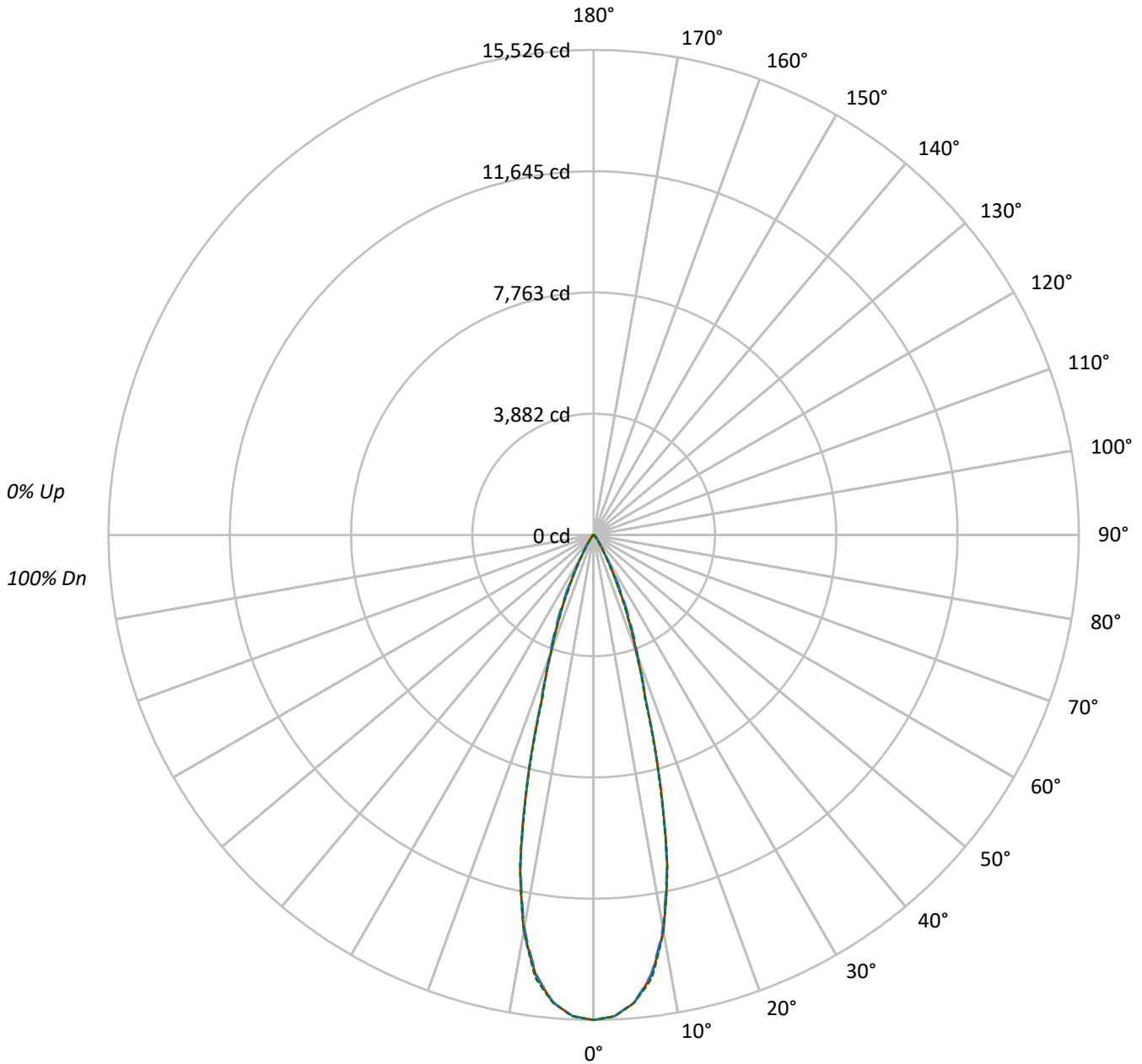
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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									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°	1188382	1188382	1188382
5°	1154265	1152921	1154327
10°	999766	992717	999533
15°	652301	648799	645534
20°	324357	336526	323925
25°	163389	184250	160045
30°	65414	71282	56999
35°	30341	29061	24360
40°	13100	14548	12340
45°	9244	11474	9320
50°	3179	8348	3358
55°	1828	3456	1935
60°	1286	1516	1286
65°	833	833	833
70°	515	336	515
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 11474 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1365.2	28.3
10°-20°	2198.7	45.5
20°-30°	950.1	19.7
30°-40°	216.6	4.5
40°-50°	74.4	1.5
50°-60°	18.2	0.4
60°-70°	4.7	0.1
70°-80°	0.5	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°	4514.1	93.5
0°-40°	4730.7	98.0
0°-60°	4823.2	99.9
0°-90°	4828.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4828.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15526	15526	15526	15526	15526	
5°	15022	15008	15005	15036	15023	1366
15°	8232	8132	8187	8161	8146	2204
25°	1935	2008	2182	1957	1895	926
35°	325	332	311	309	261	220
45°	85	106	106	106	86	61
55°	14	14	26	15	14	13
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°	15525.6	15525.6	15525.6	15525.6	15525.6
2.5°	15422.7	15412.0	15418.1	15425.7	15428.8
5°	15022.5	15008.0	15005.0	15036.2	15023.3
7.5°	14215.3	14194.7	14163.5	14234.3	14300.7
10°	12863.0	12840.2	12772.3	12805.9	12860.0
12.5°	10866.7	10792.8	10791.2	10898.0	10883.5
15°	8231.6	8132.5	8187.4	8160.7	8146.2
17.5°	5535.5	5497.4	5570.6	5548.5	5453.2
20°	3982.0	3991.9	4131.4	4061.3	3976.7
22.5°	2905.7	2941.5	3106.9	2926.3	2860.0
25°	1934.6	2007.8	2181.6	1956.7	1895.0
27.5°	1189.9	1223.4	1399.5	1174.6	1141.1
30°	740.1	723.4	806.5	692.1	644.9
32.5°	485.6	464.2	490.9	440.6	402.5
35°	324.7	331.6	311.0	308.7	260.7
37.5°	202.8	233.2	205.8	219.5	167.7
40°	131.1	169.2	145.6	160.8	123.5
42.5°	107.5	130.3	119.7	127.3	109.8
45°	85.4	106.0	106.0	106.0	86.1
47.5°	47.3	70.9	90.7	72.4	50.3
50°	26.7	35.8	70.1	37.4	28.2
52.5°	18.3	20.6	48.0	21.3	19.1
55°	13.7	14.5	25.9	15.2	14.5
57.5°	10.7	11.4	13.7	11.4	10.7
60°	8.4	8.4	9.9	9.1	8.4
62.5°	6.1	6.1	6.9	6.1	6.1
65°	4.6	4.6	4.6	4.6	4.6
67.5°	2.3	3.0	3.0	3.0	3.0
70°	2.3	1.5	1.5	1.5	2.3
72.5°	1.5	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	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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