

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: P767992

Luminaire Tested: LD6D55D010-EU6DR3055659040-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767992
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-EU6DR3055659040-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5107.4 lumens
Efficiency: N/A
Efficacy: 87.8 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

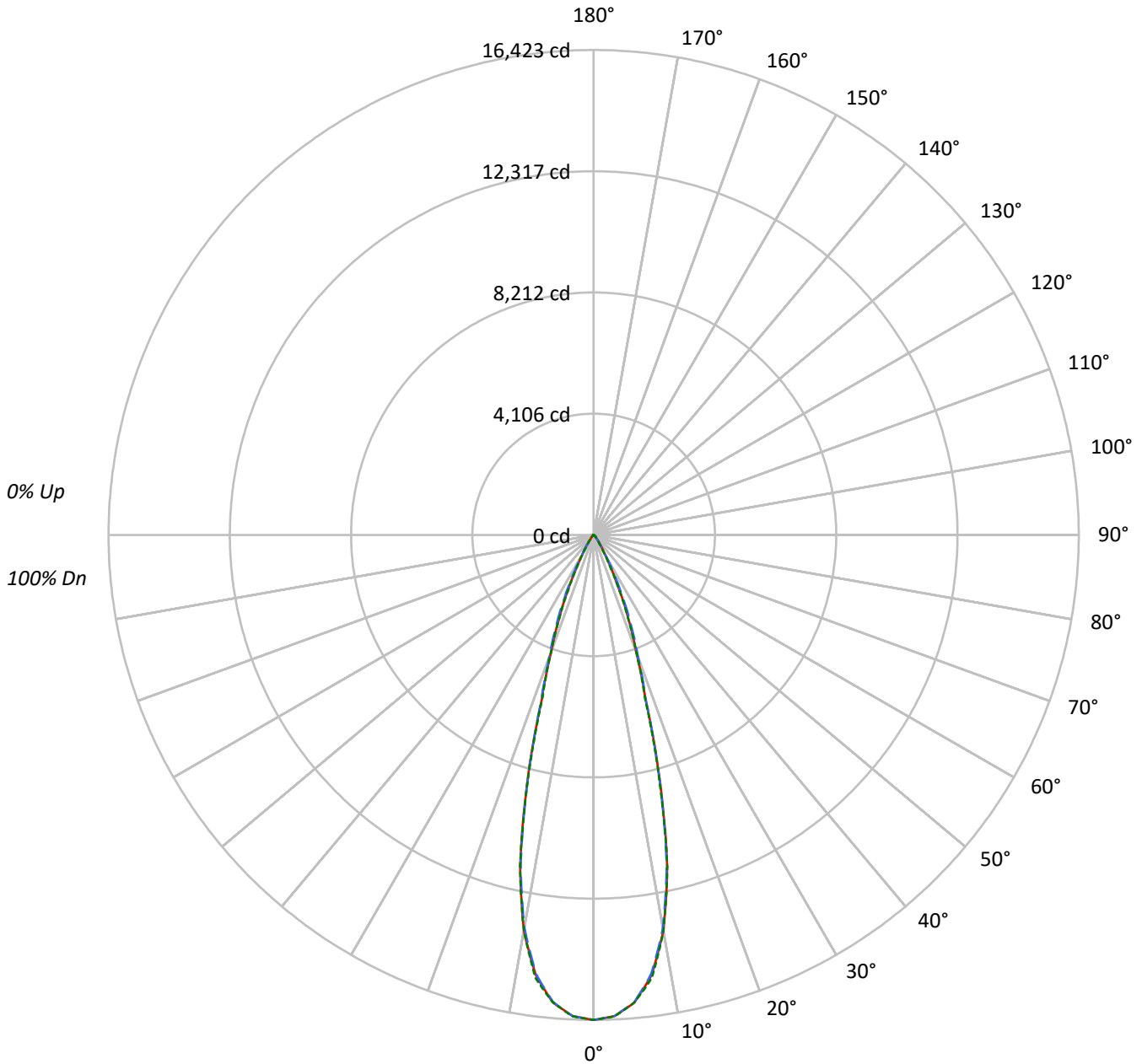
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P767992

CATALOG NUMBER: LD6D55D010-EU6DR3055659040-6LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P767992

CATALOG NUMBER: LD6D55D010-EU6DR3055659040-6LBSQW1B

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°	1257042	1257042	1257042
5°	1220959	1219530	1221020
10°	1057531	1050077	1057282
15°	689989	686281	682834
20°	343100	355970	342636
25°	172831	194891	169293
30°	69196	75401	60287
35°	32097	30742	25771
40°	13859	15388	13050
45°	9775	12135	9861
50°	3358	8836	3549
55°	1935	3657	2042
60°	1362	1607	1362
65°	869	869	869
70°	537	358	537
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 12135 cd/sqm



TEST NUMBER: P767992

CATALOG NUMBER: LD6D55D010-EU6DR3055659040-6LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1444.1	28.3
10°-20°	2325.8	45.5
20°-30°	1005.0	19.7
30°-40°	229.1	4.5
40°-50°	78.7	1.5
50°-60°	19.2	0.4
60°-70°	5.0	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°	4774.9	93.5
0°-40°	5004.0	98.0
0°-60°	5101.9	99.9
0°-90°	5107.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5107.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16423	16423	16423	16423	16423	
5°	15890	15875	15872	15905	15891	1445
15°	8707	8602	8660	8632	8617	2331
25°	2046	2124	2308	2070	2004	980
35°	344	351	329	326	276	233
45°	90	112	112	112	91	64
55°	14	15	27	16	15	14
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



TEST NUMBER: P767992

CATALOG NUMBER: LD6D55D010-EU6DR3055659040-6LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16422.6	16422.6	16422.6	16422.6	16422.6
2.5°	16313.8	16302.5	16308.9	16317.0	16320.2
5°	15890.5	15875.2	15871.9	15905.0	15891.3
7.5°	15036.6	15014.8	14981.8	15056.8	15126.9
10°	13606.2	13582.1	13510.3	13545.8	13603.0
12.5°	11494.6	11416.3	11414.7	11527.6	11512.3
15°	8707.2	8602.4	8660.4	8632.2	8616.9
17.5°	5855.3	5815.0	5892.4	5869.0	5768.2
20°	4212.1	4222.6	4370.1	4295.9	4206.4
22.5°	3073.6	3111.5	3286.5	3095.4	3025.2
25°	2046.4	2123.8	2307.6	2069.8	2004.5
27.5°	1258.6	1294.1	1480.4	1242.5	1207.0
30°	782.9	765.2	853.1	732.1	682.1
32.5°	513.6	491.0	519.3	466.0	425.7
35°	343.5	350.7	329.0	326.5	275.8
37.5°	214.5	246.7	217.7	232.2	177.4
40°	138.7	179.0	154.0	170.1	130.6
42.5°	113.7	137.9	126.6	134.7	116.1
45°	90.3	112.1	112.1	112.1	91.1
47.5°	50.0	75.0	95.9	76.6	53.2
50°	28.2	37.9	74.2	39.5	29.8
52.5°	19.4	21.8	50.8	22.6	20.2
55°	14.5	15.3	27.4	16.1	15.3
57.5°	11.3	12.1	14.5	12.1	11.3
60°	8.9	8.9	10.5	9.7	8.9
62.5°	6.5	6.5	7.3	6.5	6.5
65°	4.8	4.8	4.8	4.8	4.8
67.5°	2.4	3.2	3.2	3.2	3.2
70°	2.4	1.6	1.6	1.6	2.4
72.5°	1.6	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



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)