

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: P767957

Luminaire Tested: LD6D55D010-EU6DR3055659030-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767957
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-EU6DR3055659030-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5807.2 lumens
Efficiency: N/A
Efficacy: 99.8 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

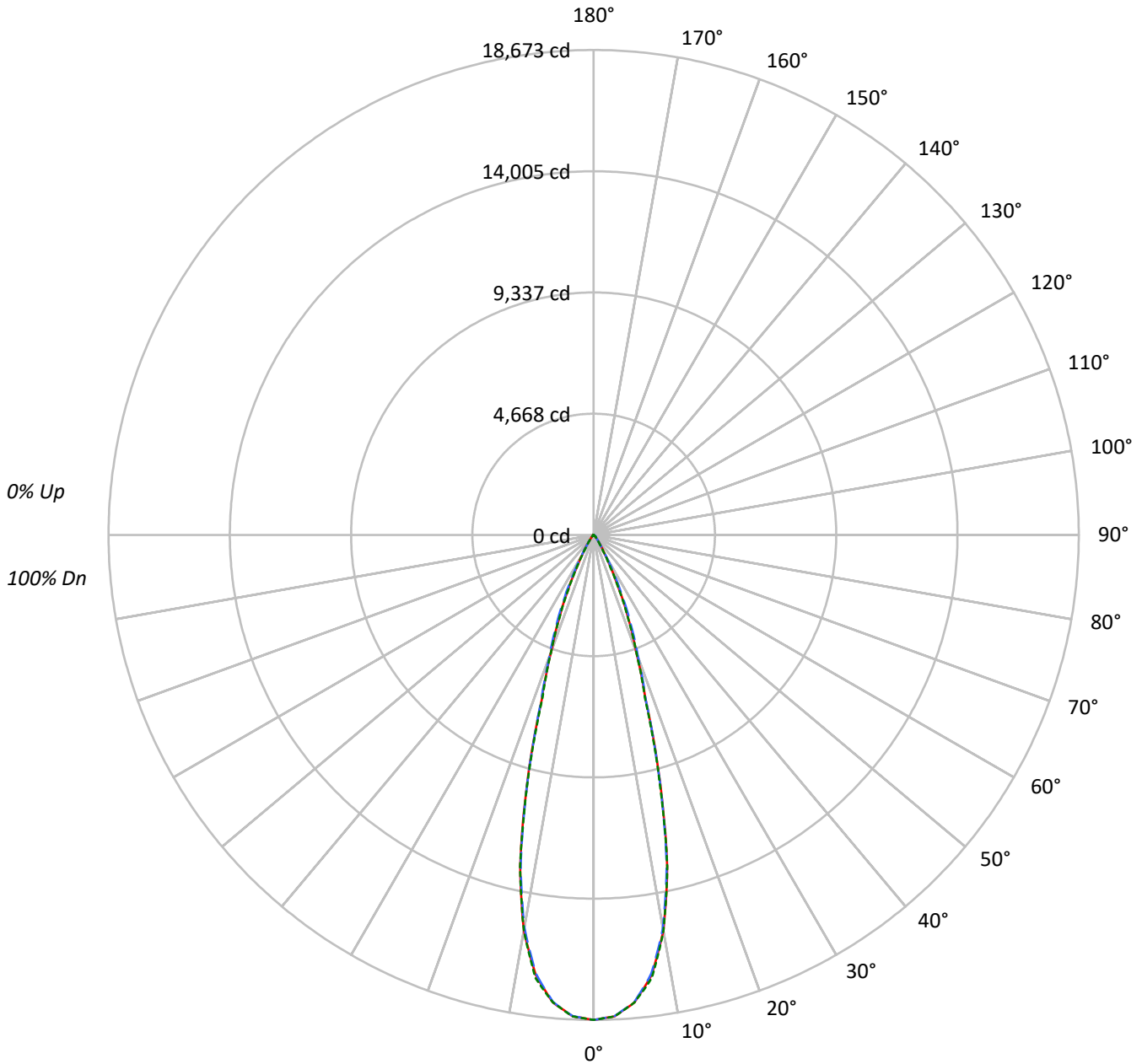
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P767957

CATALOG NUMBER: LD6D55D010-EU6DR3055659030-6LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P767957

CATALOG NUMBER: LD6D55D010-EU6DR3055659030-6LBCSSQMW

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°	1429295	1429295	1429295
5°	1388269	1386648	1388338
10°	1202448	1193968	1202160
15°	784535	780327	776405
20°	390116	404754	389595
25°	196513	221596	192484
30°	78680	85733	68551
35°	36489	34947	29294
40°	15757	17496	14838
45°	11117	13791	11215
50°	3822	10038	4037
55°	2202	4164	2322
60°	1546	1822	1546
65°	996	996	996
70°	627	403	627
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 13791 cd/sqm



TEST NUMBER: P767957

CATALOG NUMBER: LD6D55D010-EU6DR3055659030-6LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1642.0	28.3
10°-20°	2644.5	45.5
20°-30°	1142.7	19.7
30°-40°	260.4	4.5
40°-50°	89.4	1.5
50°-60°	21.9	0.4
60°-70°	5.7	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°	5429.2	93.5
0°-40°	5689.7	98.0
0°-60°	5801.0	99.9
0°-90°	5807.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5807.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18673	18673	18673	18673	18673	
5°	18068	18050	18047	18084	18069	1643
15°	9900	9781	9847	9815	9798	2651
25°	2327	2415	2624	2353	2279	1114
35°	390	399	374	371	314	265
45°	103	127	127	127	104	73
55°	16	17	31	18	17	16
65°	6	6	6	6	6	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P767957

CATALOG NUMBER: LD6D55D010-EU6DR3055659030-6LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18673.0	18673.0	18673.0	18673.0	18673.0
2.5°	18549.3	18536.4	18543.8	18552.9	18556.6
5°	18068.0	18050.5	18046.9	18084.5	18068.9
7.5°	17097.1	17072.3	17034.7	17120.0	17199.8
10°	15470.7	15443.2	15361.6	15402.0	15467.0
12.5°	13069.7	12980.7	12978.9	13107.2	13089.8
15°	9900.3	9781.2	9847.2	9815.1	9797.7
17.5°	6657.7	6611.8	6699.9	6673.3	6558.7
20°	4789.3	4801.2	4969.0	4884.6	4782.9
22.5°	3494.8	3537.9	3736.8	3519.5	3439.8
25°	2326.8	2414.8	2623.8	2353.4	2279.1
27.5°	1431.1	1471.4	1683.2	1412.8	1372.4
30°	890.2	870.0	970.0	832.4	775.6
32.5°	584.0	558.3	590.4	529.9	484.1
35°	390.5	398.8	374.0	371.3	313.5
37.5°	243.9	280.5	247.5	264.0	201.7
40°	157.7	203.5	175.1	193.4	148.5
42.5°	129.3	156.8	143.9	153.1	132.0
45°	102.7	127.4	127.4	127.4	103.6
47.5°	56.8	85.3	109.1	87.1	60.5
50°	32.1	43.1	84.3	44.9	33.9
52.5°	22.0	24.8	57.8	25.7	22.9
55°	16.5	17.4	31.2	18.3	17.4
57.5°	12.8	13.8	16.5	13.8	12.8
60°	10.1	10.1	11.9	11.0	10.1
62.5°	7.3	7.3	8.3	7.3	7.3
65°	5.5	5.5	5.5	5.5	5.5
67.5°	2.8	3.7	3.7	3.7	3.7
70°	2.8	1.8	1.8	1.8	2.8
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



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)