

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: P769410

Luminaire Tested: LD6D60D010-EU6DR7055659050-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769410
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D60D010-EU6DR7055659050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6334.1 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

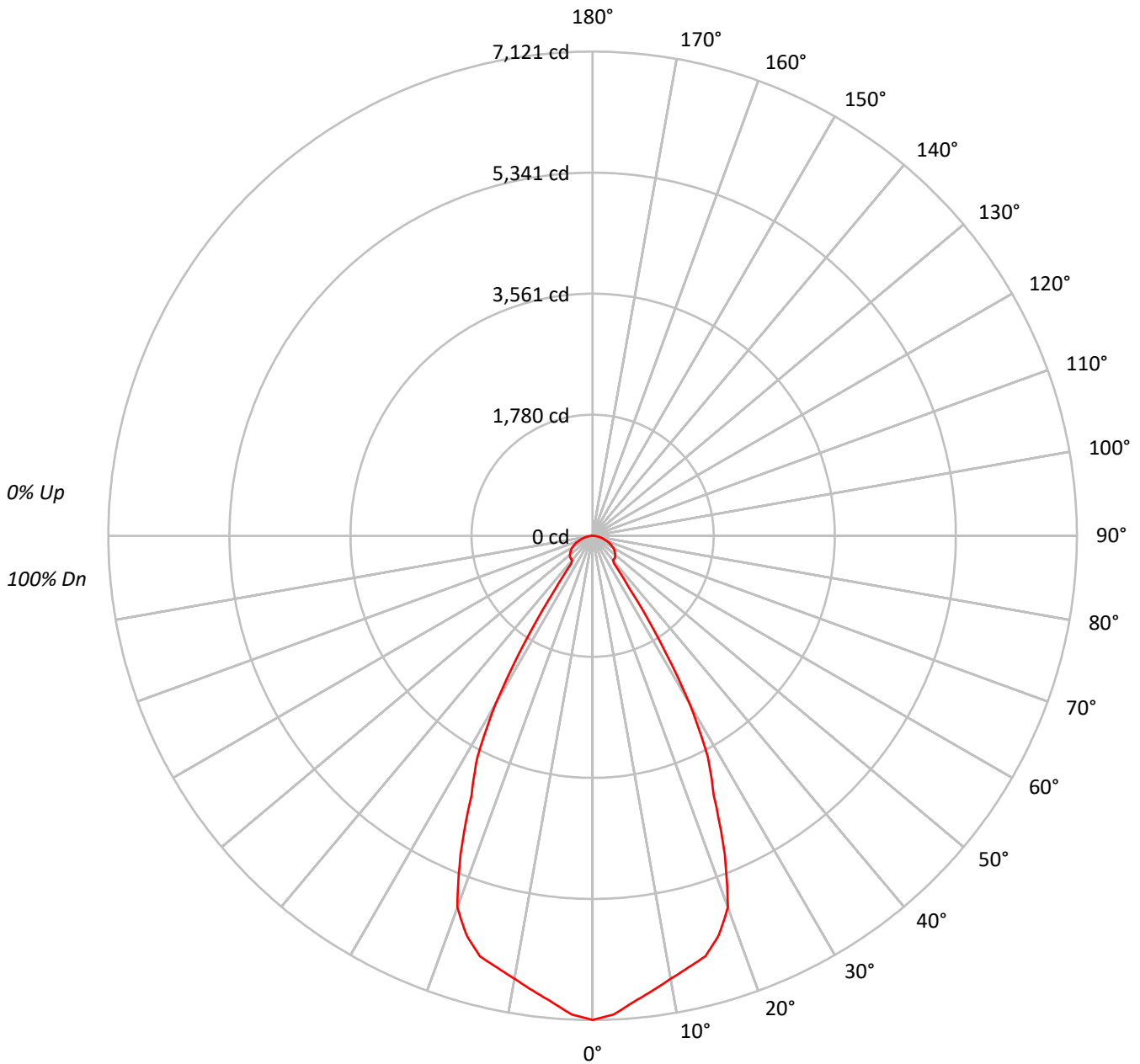
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P769410

CATALOG NUMBER: LD6D60D010-EU6DR7055659050-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P769410

CATALOG NUMBER: LD6D60D010-EU6DR7055659050-6LBSQW1MW

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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	778090
5°	754969
10°	733921
15°	724298
20°	676336
25°	508095
30°	359187
35°	127234
40°	66893
45°	71264
50°	73788
55°	75167
60°	75630
65°	74044
70°	69865
75°	64716
80°	57447
85°	46635

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 75667 cd/sqm



TEST NUMBER: P769410

CATALOG NUMBER: LD6D60D010-EU6DR7055659050-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	649.3	10.3
10°-20°	1780.9	28.1
20°-30°	1961.4	31.0
30°-40°	749.4	11.8
40°-50°	353.9	5.6
50°-60°	351.8	5.6
60°-70°	281.6	4.4
70°-80°	161.8	2.6
80°-90°	44.0	0.7
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°	4391.5	69.3
0°-40°	5140.9	81.2
0°-60°	5846.6	92.3
0°-90°	6334.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6334.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7121	
5°	6884	649
15°	6403	1781
25°	4215	1961
35°	954	749
45°	461	354
55°	395	352
65°	286	282
75°	153	162
85°	37	44
90°	0	



TEST NUMBER: P769410

CATALOG NUMBER: LD6D60D010-EU6DR7055659050-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	7121.4
2.5°	7047.0
5°	6883.5
7.5°	6747.0
10°	6615.1
12.5°	6503.5
15°	6403.2
17.5°	6160.7
20°	5816.8
22.5°	5074.9
25°	4214.6
27.5°	3668.9
30°	2847.0
32.5°	1839.0
35°	953.9
37.5°	515.3
40°	469.0
42.5°	465.7
45°	461.2
47.5°	451.0
50°	434.1
52.5°	414.9
55°	394.6
57.5°	372.1
60°	346.1
62.5°	316.8
65°	286.4
67.5°	252.6
70°	218.7
72.5°	184.9
75°	153.3
77.5°	120.6
80°	91.3
82.5°	64.3
85°	37.2
87.5°	14.7
90°	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



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

Scaled Data Report



— 0°-180°

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)