

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: P769358

Luminaire Tested: LD6D60D010-EU6DR7055659027-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769358
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-EU6DR7055659027-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5771.3 lumens
Efficiency: N/A
Efficacy: 89.6 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

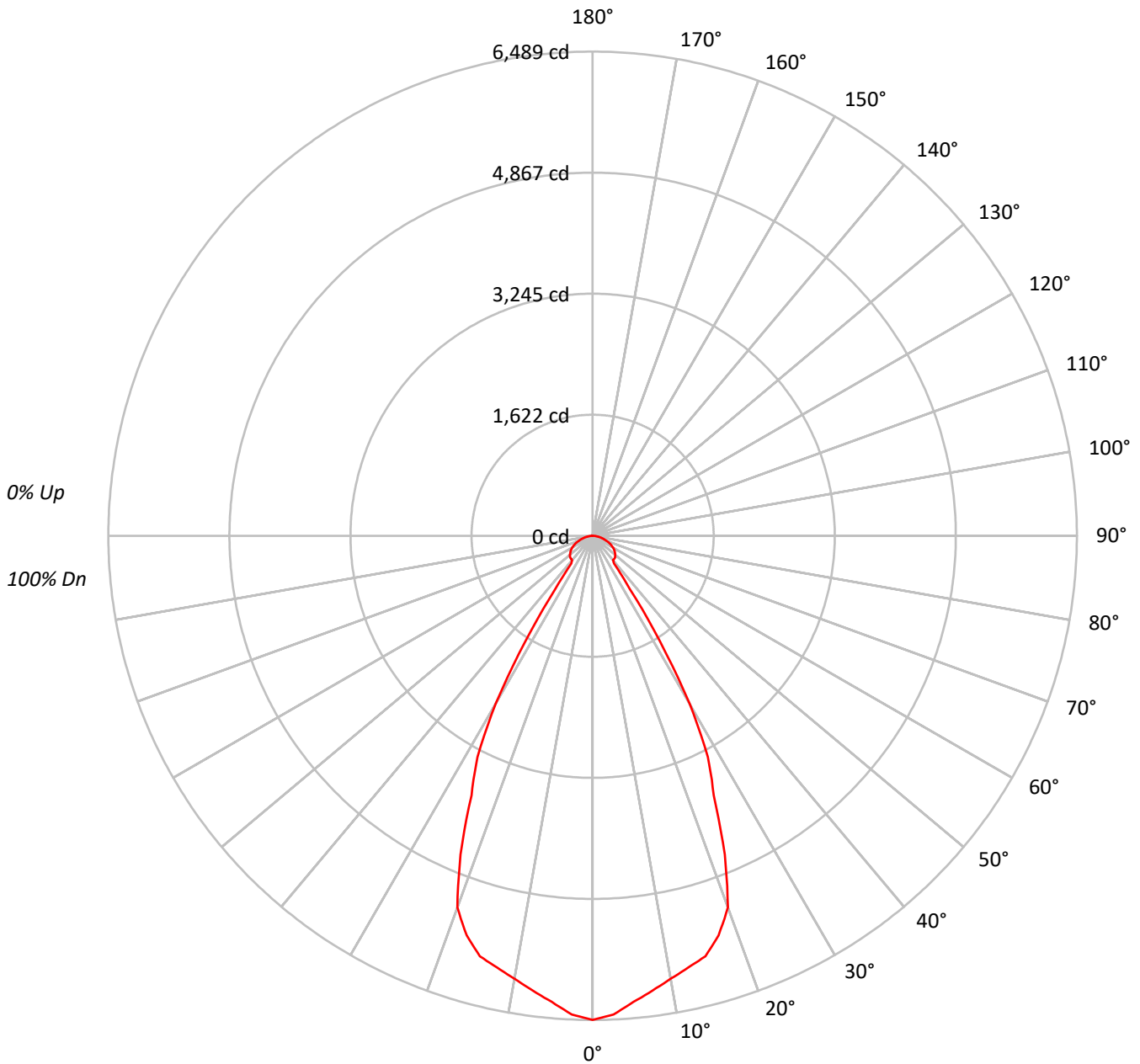
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P769358

CATALOG NUMBER: LD6D60D010-EU6DR7055659027-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P769358

CATALOG NUMBER: LD6D60D010-EU6DR7055659027-6LBSQW1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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°	708949
5°	687879
10°	668706
15°	659936
20°	616246
25°	462947
30°	327268
35°	115923
40°	60960
45°	64928
50°	67227
55°	68500
60°	68922
65°	67451
70°	63668
75°	58975
80°	52350
85°	42498

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 68936 cd/sqm



TEST NUMBER: P769358

CATALOG NUMBER: LD6D60D010-EU6DR7055659027-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	591.6	10.3
10°-20°	1622.6	28.1
20°-30°	1787.1	31.0
30°-40°	682.8	11.8
40°-50°	322.4	5.6
50°-60°	320.5	5.6
60°-70°	256.6	4.4
70°-80°	147.5	2.6
80°-90°	40.1	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°	4001.3	69.3
0°-40°	4684.1	81.2
0°-60°	5327.1	92.3
0°-90°	5771.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5771.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6489	
5°	6272	592
15°	5834	1623
25°	3840	1787
35°	869	683
45°	420	322
55°	360	321
65°	261	257
75°	140	147
85°	34	40
90°	0	



TEST NUMBER: P769358

CATALOG NUMBER: LD6D60D010-EU6DR7055659027-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	6488.6
2.5°	6420.8
5°	6271.8
7.5°	6147.5
10°	6027.3
12.5°	5925.6
15°	5834.2
17.5°	5613.3
20°	5300.0
22.5°	4624.0
25°	3840.1
27.5°	3342.9
30°	2594.0
32.5°	1675.6
35°	869.1
37.5°	469.5
40°	427.4
42.5°	424.3
45°	420.2
47.5°	410.9
50°	395.5
52.5°	378.1
55°	359.6
57.5°	339.0
60°	315.4
62.5°	288.7
65°	260.9
67.5°	230.1
70°	199.3
72.5°	168.5
75°	139.7
77.5°	109.9
80°	83.2
82.5°	58.6
85°	33.9
87.5°	13.4
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)