

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



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: P760212

Luminaire Tested: LD6D10D010-EU6DR300210IC9035-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760212
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: LD6D10D010-EU6DR300210IC9035-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 900.8 lumens
Efficiency: N/A
Efficacy: 77.0 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): 11.7
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

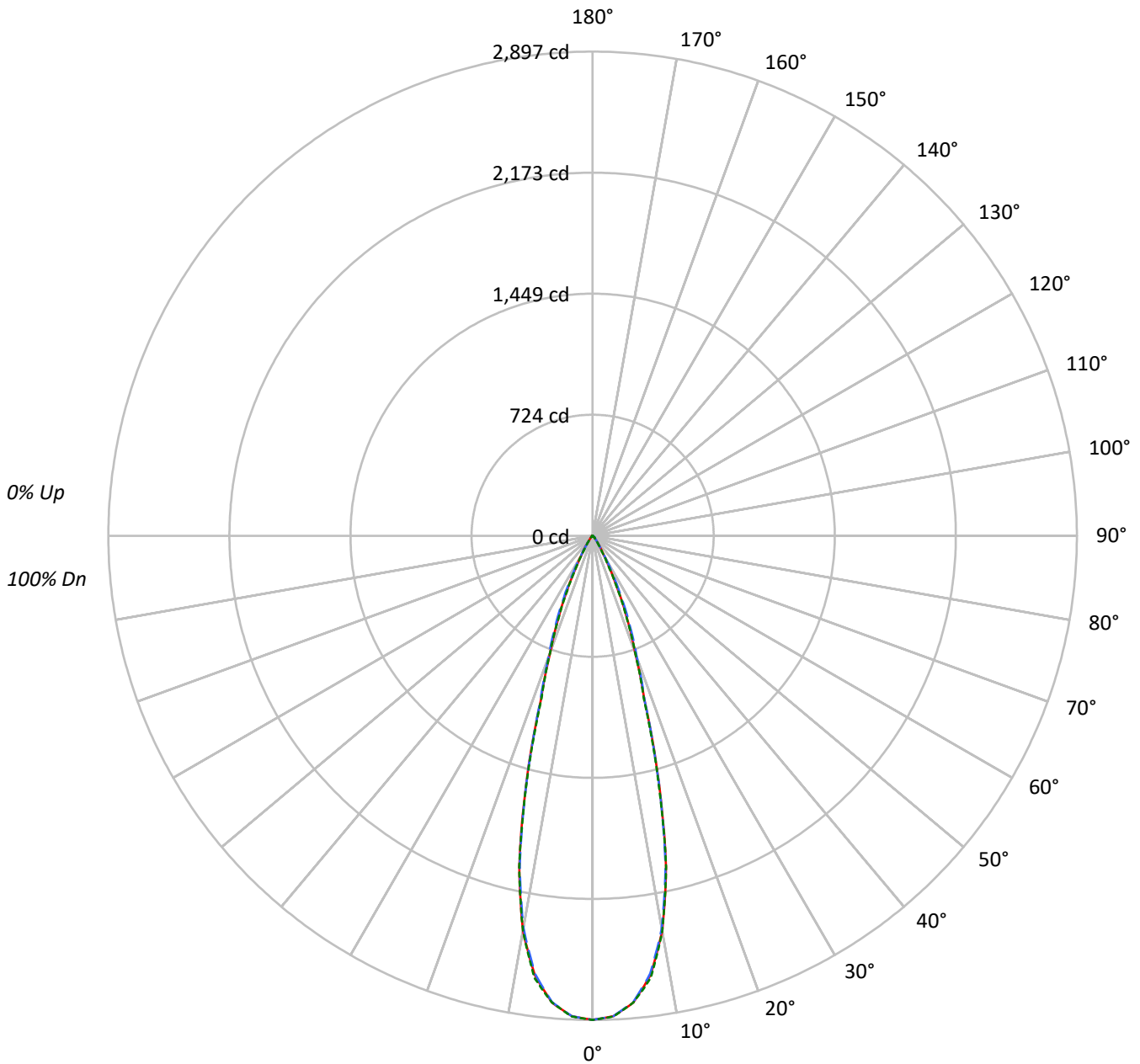


Downlight



TEST NUMBER: P760212
CATALOG NUMBER: LD6D10D010-EU6DR300210IC9035-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P760212

CATALOG NUMBER: LD6D10D010-EU6DR300210IC9035-6LBSQW1MW

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	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°	221716	221716	221716
5°	215348	215094	215355
10°	186523	185209	186476
15°	121694	121045	120434
20°	60513	62786	60432
25°	30489	34374	29855
30°	12206	13302	10633
35°	5663	5420	4541
40°	2448	2718	2298
45°	1721	2143	1732
50°	595	1560	631
55°	347	641	360
60°	230	276	230
65°	163	163	163
70°	90	67	90
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2143 cd/sqm



TEST NUMBER: P760212

CATALOG NUMBER: LD6D10D010-EU6DR300210IC9035-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.7	28.3
10°-20°	410.2	45.5
20°-30°	177.3	19.7
30°-40°	40.4	4.5
40°-50°	13.9	1.5
50°-60°	3.4	0.4
60°-70°	0.9	0.1
70°-80°	0.1	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°	842.2	93.5
0°-40°	882.6	98.0
0°-60°	899.9	99.9
0°-90°	900.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	900.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2897	2897	2897	2897	2897	
5°	2803	2800	2799	2805	2803	255
15°	1536	1517	1528	1522	1520	411
25°	361	375	407	365	354	173
35°	61	62	58	58	49	41
45°	16	20	20	20	16	11
55°	3	3	5	3	3	2
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P760212

CATALOG NUMBER: LD6D10D010-EU6DR300210IC9035-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2896.6	2896.6	2896.6	2896.6	2896.6
2.5°	2877.4	2875.4	2876.5	2877.9	2878.5
5°	2802.7	2800.0	2799.4	2805.2	2802.8
7.5°	2652.1	2648.2	2642.4	2655.6	2668.0
10°	2399.8	2395.6	2382.9	2389.1	2399.2
12.5°	2027.4	2013.6	2013.3	2033.2	2030.5
15°	1535.7	1517.2	1527.5	1522.5	1519.8
17.5°	1032.7	1025.6	1039.3	1035.2	1017.4
20°	742.9	744.8	770.8	757.7	741.9
22.5°	542.1	548.8	579.7	546.0	533.6
25°	361.0	374.6	407.0	365.0	353.5
27.5°	222.0	228.3	261.1	219.2	212.9
30°	138.1	134.9	150.5	129.1	120.3
32.5°	90.6	86.6	91.6	82.2	75.1
35°	60.6	61.9	58.0	57.6	48.6
37.5°	37.8	43.5	38.4	41.0	31.3
40°	24.5	31.6	27.2	30.0	23.0
42.5°	20.1	24.3	22.3	23.8	20.5
45°	15.9	19.8	19.8	19.8	16.0
47.5°	8.8	13.2	16.9	13.5	9.4
50°	5.0	6.7	13.1	7.0	5.3
52.5°	3.4	3.8	8.9	4.0	3.6
55°	2.6	2.7	4.8	2.9	2.7
57.5°	2.0	2.1	2.6	2.1	2.0
60°	1.5	1.5	1.8	1.7	1.5
62.5°	1.1	1.1	1.3	1.1	1.1
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.4	0.6	0.6	0.6	0.6
70°	0.4	0.3	0.3	0.3	0.4
72.5°	0.3	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	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)