

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: P759170

Luminaire Tested: LD6D08D010-EU6DR300210IC9027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P759170
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: LD6D08D010-EU6DR300210IC9027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 735.7 lumens
Efficiency: N/A
Efficacy: 82.7 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): 8.9
Input Voltage (V): NR
Input Current (A_{in}): 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

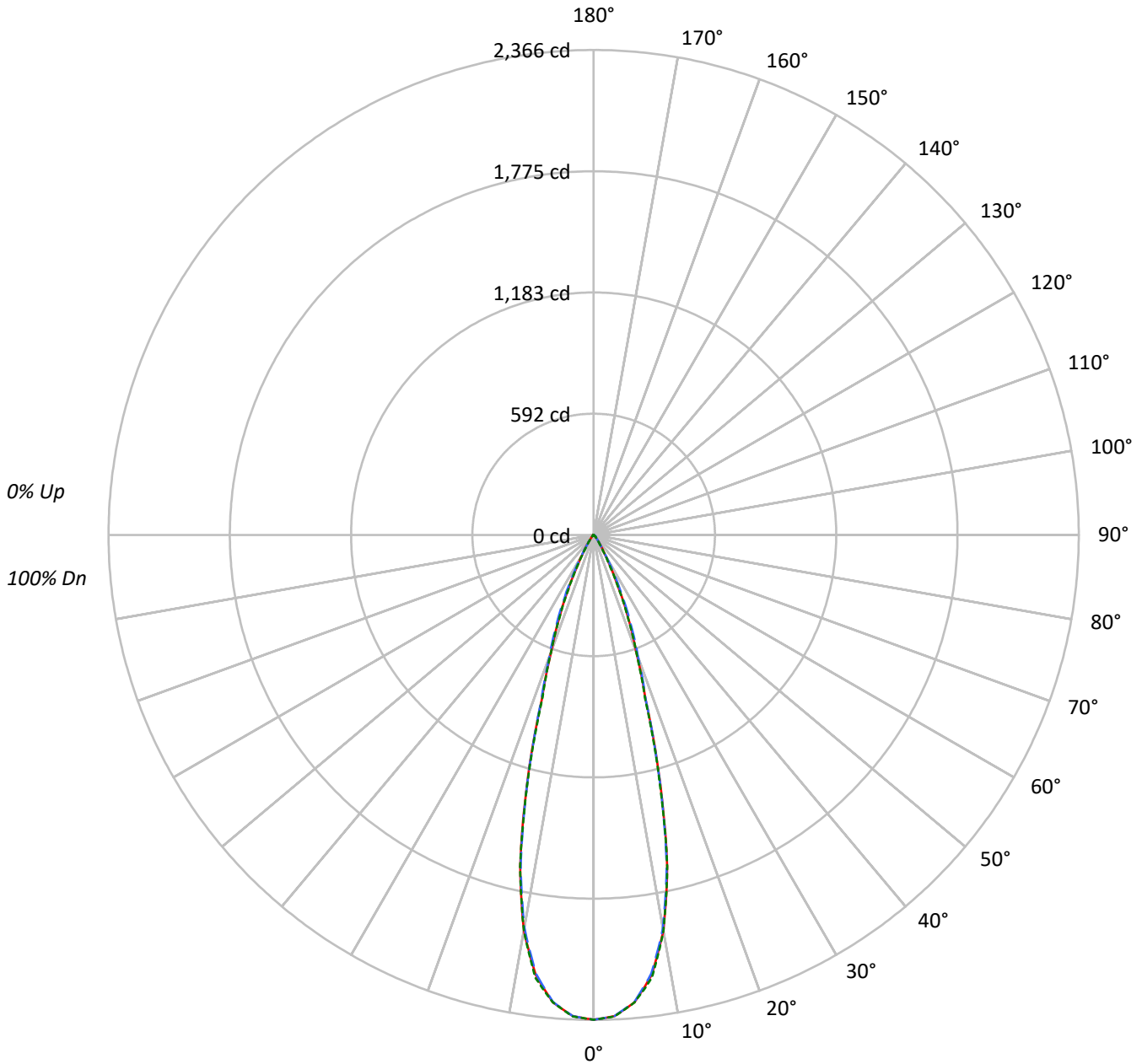


Downlight



TEST NUMBER: P759170
CATALOG NUMBER: LD6D08D010-EU6DR300210IC9027-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P759170

CATALOG NUMBER: LD6D08D010-EU6DR300210IC9027-6LBS1MW

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°	181063	181063	181063
5°	175869	175662	175877
10°	152332	151259	152293
15°	99387	98856	98357
20°	49419	51276	49354
25°	24898	28073	24383
30°	9970	10862	8688
35°	4625	4429	3710
40°	1998	2218	1879
45°	1407	1754	1418
50°	488	1274	512
55°	280	534	294
60°	199	230	199
65°	127	127	127
70°	67	45	67
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 1754 cd/sqm



TEST NUMBER: P759170

CATALOG NUMBER: LD6D08D010-EU6DR300210IC9027-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.0	28.3
10°-20°	335.0	45.5
20°-30°	144.8	19.7
30°-40°	33.0	4.5
40°-50°	11.3	1.5
50°-60°	2.8	0.4
60°-70°	0.7	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°	687.8	93.5
0°-40°	720.8	98.0
0°-60°	734.9	99.9
0°-90°	735.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	735.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2366	2366	2366	2366	2366	
5°	2289	2287	2286	2291	2289	208
15°	1254	1239	1248	1243	1241	336
25°	295	306	332	298	289	141
35°	50	50	47	47	40	34
45°	13	16	16	16	13	9
55°	2	2	4	2	2	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: P759170

CATALOG NUMBER: LD6D08D010-EU6DR300210IC9027-6LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2365.5	2365.5	2365.5	2365.5	2365.5
2.5°	2349.9	2348.2	2349.2	2350.4	2350.8
5°	2288.9	2286.7	2286.2	2291.0	2289.0
7.5°	2165.9	2162.8	2158.0	2168.8	2178.9
10°	1959.9	1956.4	1946.1	1951.2	1959.4
12.5°	1655.7	1644.4	1644.2	1660.5	1658.2
15°	1254.2	1239.1	1247.5	1243.4	1241.2
17.5°	843.4	837.6	848.8	845.4	830.9
20°	606.7	608.2	629.5	618.8	605.9
22.5°	442.7	448.2	473.4	445.9	435.8
25°	294.8	305.9	332.4	298.1	288.7
27.5°	181.3	186.4	213.3	179.0	173.9
30°	112.8	110.2	122.9	105.5	98.3
32.5°	74.0	70.7	74.8	67.1	61.3
35°	49.5	50.5	47.4	47.0	39.7
37.5°	30.9	35.5	31.3	33.5	25.6
40°	20.0	25.8	22.2	24.5	18.8
42.5°	16.4	19.9	18.2	19.4	16.7
45°	13.0	16.2	16.2	16.2	13.1
47.5°	7.2	10.8	13.8	11.1	7.7
50°	4.1	5.4	10.7	5.7	4.3
52.5°	2.8	3.2	7.3	3.3	2.9
55°	2.1	2.2	4.0	2.3	2.2
57.5°	1.6	1.7	2.1	1.7	1.6
60°	1.3	1.3	1.5	1.4	1.3
62.5°	0.9	0.9	1.0	0.9	0.9
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.3	0.5	0.5	0.5	0.5
70°	0.3	0.2	0.2	0.2	0.3
72.5°	0.2	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)