

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: P760221

Luminaire Tested: LD6D10D010-EU6DR300210IC9040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760221
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-EU6DR300210IC9040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1159.0 lumens
Efficiency: N/A
Efficacy: 99.1 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 (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

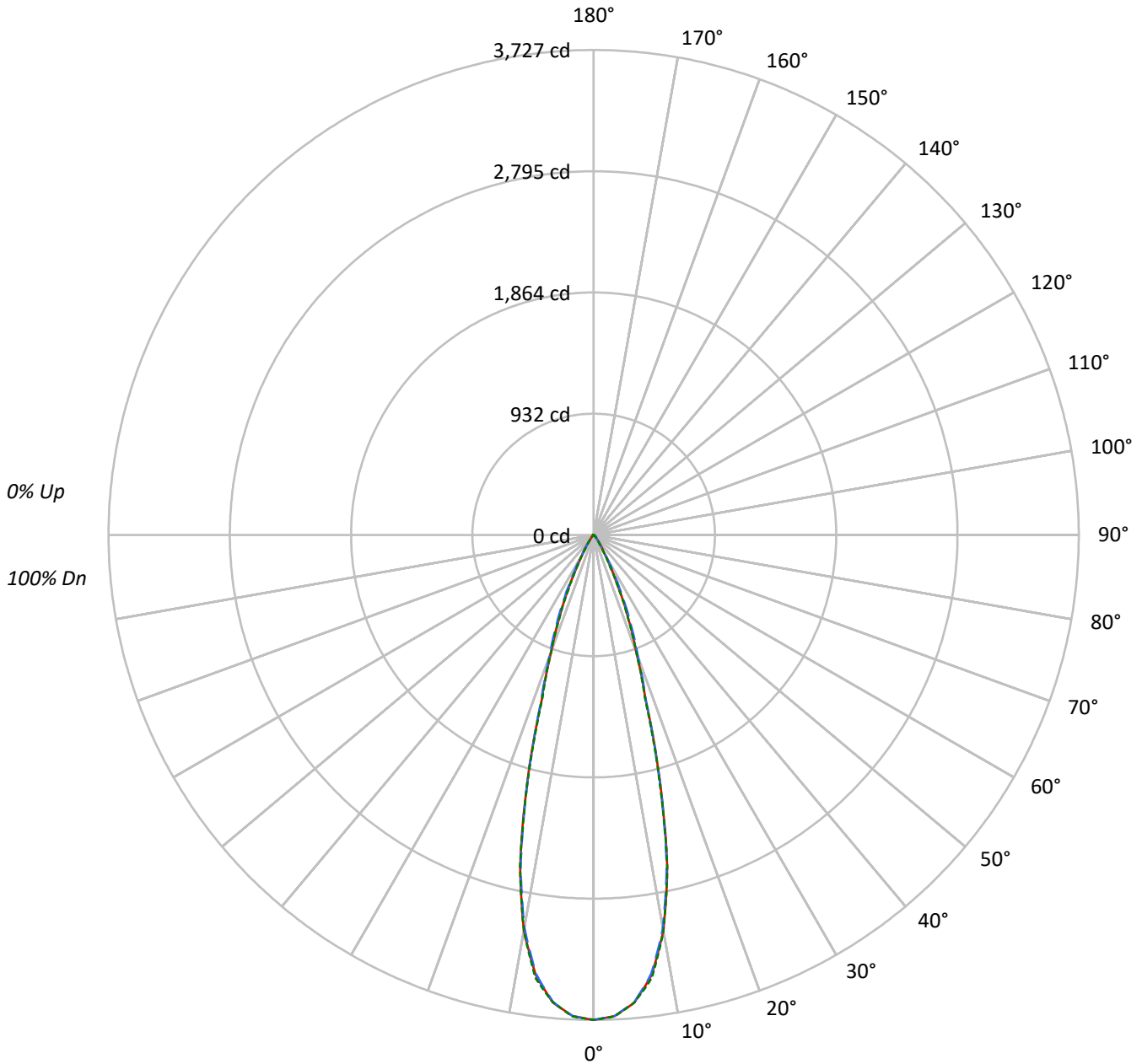


Downlight



TEST NUMBER: P760221
CATALOG NUMBER: LD6D10D010-EU6DR300210IC9040-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P760221

CATALOG NUMBER: LD6D10D010-EU6DR300210IC9040-6LBS1H

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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	285262	285262	285262
5°	277078	276755	277093
10°	239989	238295	239935
15°	156577	155737	154961
20°	77864	80780	77758
25°	39222	44230	38419
30°	15706	17111	13682
35°	7279	6980	5849
40°	3147	3487	2958
45°	2219	2750	2241
50°	762	2001	810
55°	440	827	467
60°	306	367	306
65°	199	199	199
70°	134	67	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2750 cd/sqm



TEST NUMBER: P760221

CATALOG NUMBER: LD6D10D010-EU6DR300210IC9040-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.7	28.3
10°-20°	527.8	45.5
20°-30°	228.1	19.7
30°-40°	52.0	4.5
40°-50°	17.8	1.5
50°-60°	4.4	0.4
60°-70°	1.1	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°	1083.6	93.5
0°-40°	1135.6	98.0
0°-60°	1157.8	99.9
0°-90°	1159.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1159.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3727	3727	3727	3727	3727	
5°	3606	3603	3602	3609	3606	328
15°	1976	1952	1965	1959	1956	529
25°	464	482	524	470	455	222
35°	78	80	75	74	63	53
45°	20	25	25	25	21	15
55°	3	4	6	4	4	3
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: P760221

CATALOG NUMBER: LD6D10D010-EU6DR300210IC9040-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3726.8	3726.8	3726.8	3726.8	3726.8
2.5°	3702.1	3699.6	3701.0	3702.9	3703.6
5°	3606.1	3602.6	3601.9	3609.4	3606.3
7.5°	3412.3	3407.3	3399.9	3416.9	3432.8
10°	3087.7	3082.2	3065.9	3074.0	3087.0
12.5°	2608.5	2590.8	2590.4	2616.0	2612.5
15°	1975.9	1952.2	1965.3	1958.9	1955.5
17.5°	1328.8	1319.6	1337.2	1331.9	1309.0
20°	955.9	958.3	991.7	974.9	954.6
22.5°	697.5	706.1	745.8	702.4	686.5
25°	464.4	482.0	523.7	469.7	454.9
27.5°	285.6	293.7	335.9	281.9	273.9
30°	177.7	173.7	193.6	166.2	154.8
32.5°	116.5	111.4	117.9	105.8	96.6
35°	77.9	79.6	74.7	74.1	62.6
37.5°	48.6	56.0	49.4	52.7	40.3
40°	31.5	40.6	34.9	38.6	29.6
42.5°	25.8	31.3	28.7	30.5	26.4
45°	20.5	25.4	25.4	25.4	20.7
47.5°	11.3	17.0	21.8	17.4	12.1
50°	6.4	8.6	16.8	8.9	6.8
52.5°	4.4	4.9	11.5	5.1	4.6
55°	3.3	3.5	6.2	3.7	3.5
57.5°	2.6	2.8	3.3	2.8	2.6
60°	2.0	2.0	2.4	2.2	2.0
62.5°	1.5	1.5	1.7	1.5	1.5
65°	1.1	1.1	1.1	1.1	1.1
67.5°	0.6	0.7	0.7	0.7	0.7
70°	0.6	0.3	0.3	0.3	0.6
72.5°	0.3	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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)