

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: P757179

Luminaire Tested: LD6D02D010-EU6DR300210IC9040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757179
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: LD6D02D010-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: 404.2 lumens
Efficiency: N/A
Efficacy: 79.3 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): 5.1
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

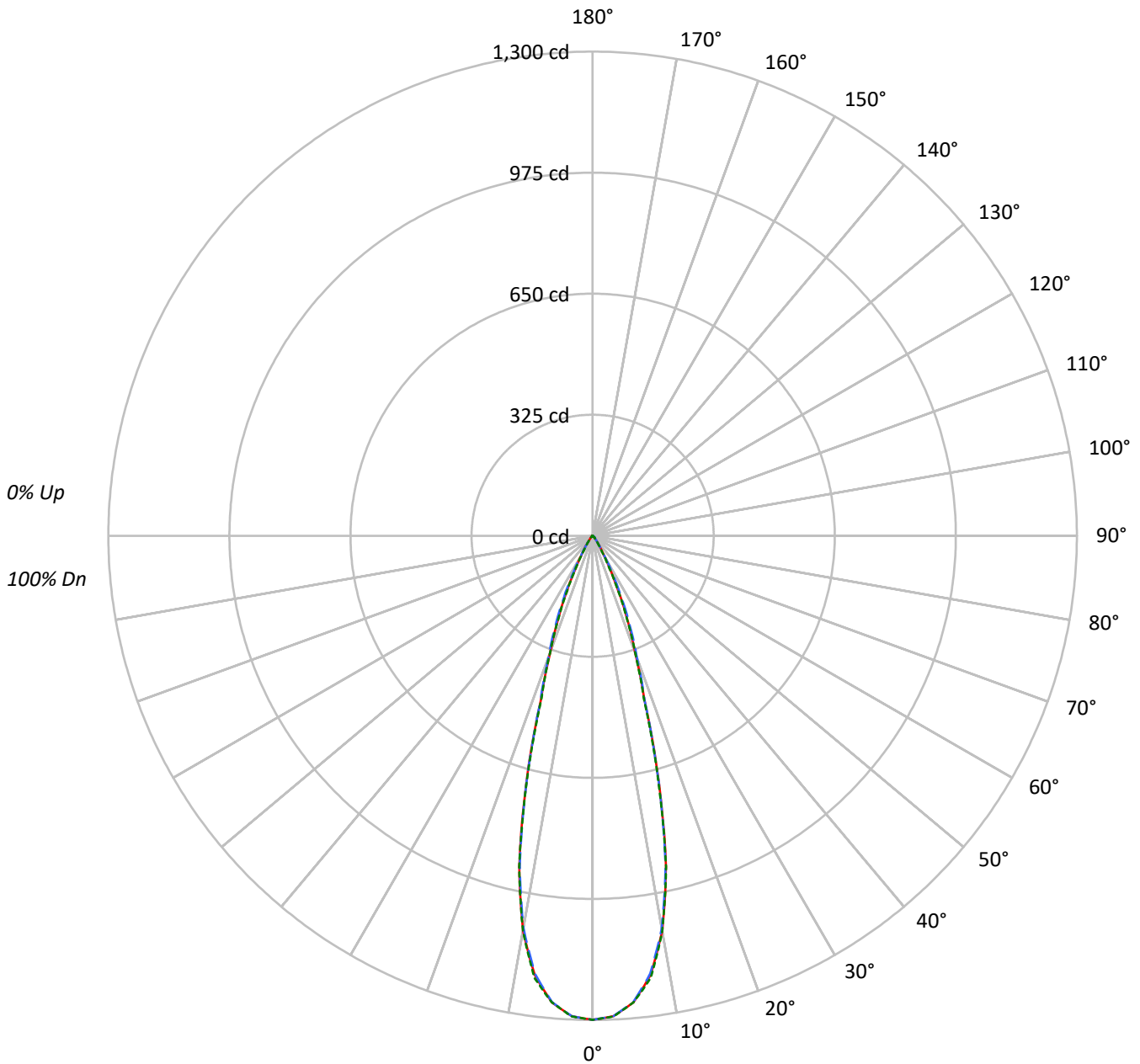


Downlight



TEST NUMBER: P757179
CATALOG NUMBER: LD6D02D010-EU6DR300210IC9040-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P757179

CATALOG NUMBER: LD6D02D010-EU6DR300210IC9040-6LBS1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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°	99483	99483	99483
5°	96629	96513	96629
10°	83693	83103	83670
15°	54607	54314	54036
20°	27149	28167	27117
25°	13682	15422	13403
30°	5471	5966	4773
35°	2542	2429	2037
40°	1099	1219	1029
45°	779	963	779
50°	262	691	274
55°	147	294	160
60°	107	122	107
65°	72	72	72
70°	45	22	45
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 963 cd/sqm



TEST NUMBER: P757179

CATALOG NUMBER: LD6D02D010-EU6DR300210IC9040-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.3	28.3
10°-20°	184.1	45.5
20°-30°	79.5	19.7
30°-40°	18.1	4.5
40°-50°	6.2	1.5
50°-60°	1.5	0.4
60°-70°	0.4	0.1
70°-80°	0.0	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°	377.9	93.5
0°-40°	396.0	98.0
0°-60°	403.8	99.9
0°-90°	404.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	404.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1300	1300	1300	1300	1300	
5°	1258	1256	1256	1259	1258	114
15°	689	681	685	683	682	185
25°	162	168	183	164	159	78
35°	27	28	26	26	22	18
45°	7	9	9	9	7	5
55°	1	1	2	1	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P757179

CATALOG NUMBER: LD6D02D010-EU6DR300210IC9040-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1299.7	1299.7	1299.7	1299.7	1299.7
2.5°	1291.1	1290.2	1290.7	1291.3	1291.5
5°	1257.6	1256.4	1256.1	1258.7	1257.6
7.5°	1190.0	1188.2	1185.7	1191.6	1197.1
10°	1076.8	1074.9	1069.2	1072.0	1076.5
12.5°	909.7	903.5	903.4	912.3	911.0
15°	689.1	680.8	685.4	683.1	681.9
17.5°	463.4	460.2	466.3	464.5	456.5
20°	333.3	334.1	345.8	340.0	332.9
22.5°	243.2	246.3	260.1	245.0	239.4
25°	162.0	168.0	182.6	163.8	158.7
27.5°	99.6	102.4	117.2	98.3	95.5
30°	61.9	60.6	67.5	57.9	54.0
32.5°	40.6	38.8	41.1	36.9	33.7
35°	27.2	27.7	26.0	25.8	21.8
37.5°	17.0	19.5	17.2	18.4	14.0
40°	11.0	14.2	12.2	13.5	10.3
42.5°	9.0	10.9	10.0	10.7	9.2
45°	7.2	8.9	8.9	8.9	7.2
47.5°	4.0	6.0	7.6	6.1	4.2
50°	2.2	3.0	5.8	3.2	2.3
52.5°	1.5	1.7	4.0	1.8	1.6
55°	1.1	1.2	2.2	1.3	1.2
57.5°	0.9	1.0	1.1	1.0	0.9
60°	0.7	0.7	0.8	0.7	0.7
62.5°	0.5	0.5	0.6	0.5	0.5
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.1	0.1	0.1	0.2
72.5°	0.1	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)