

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: P758168

Luminaire Tested: LD6D05D010-EU6DR300210IC9030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P758168
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: LD6D05D010-EU6DR300210IC9030-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 713.3 lumens
Efficiency: N/A
Efficacy: 95.1 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): 7.5
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

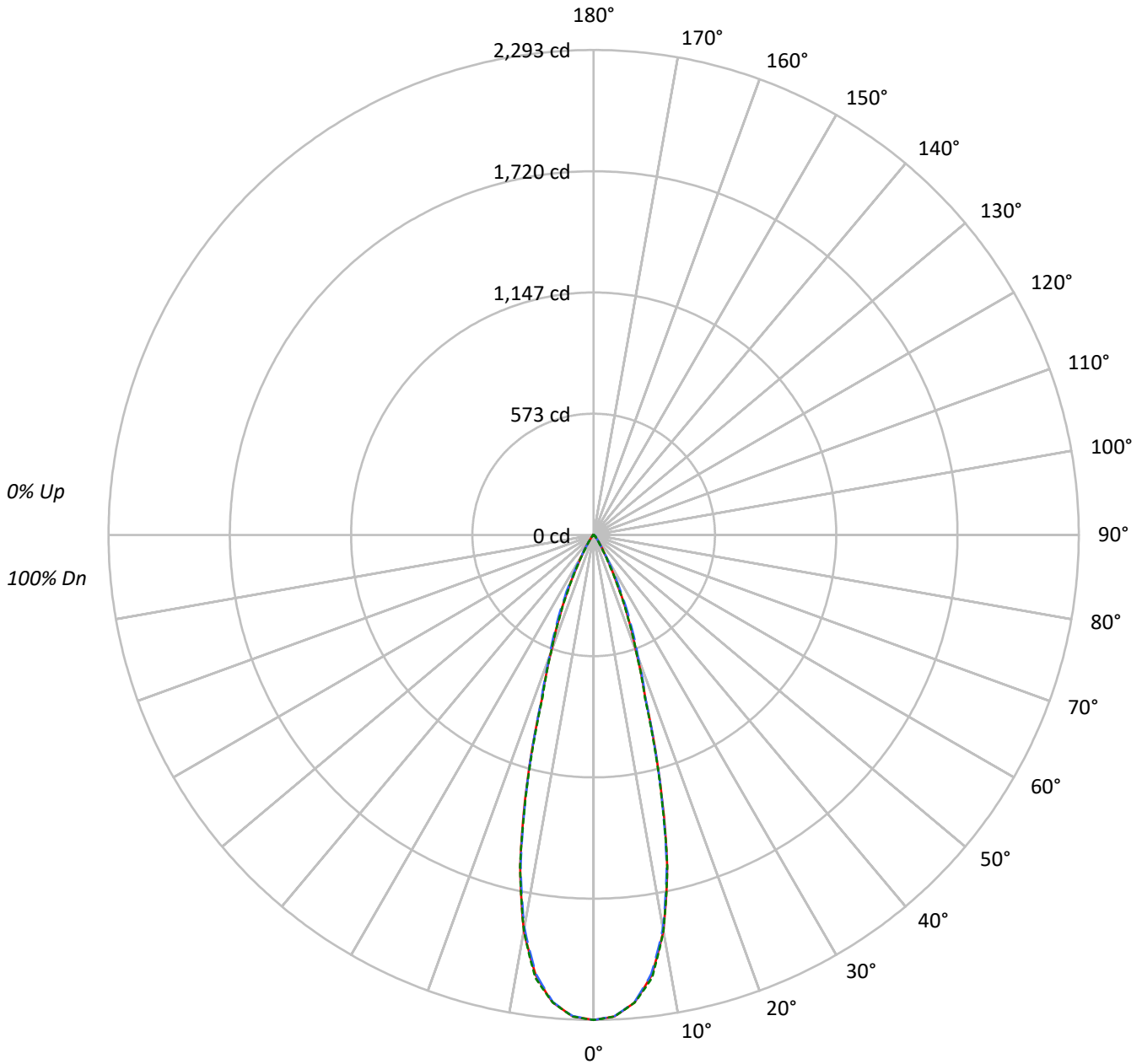


Downlight



TEST NUMBER: P758168
CATALOG NUMBER: LD6D05D010-EU6DR300210IC9030-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P758168

CATALOG NUMBER: LD6D05D010-EU6DR300210IC9030-6LBS1LI

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°	175545	175545	175545
5°	170506	170307	170514
10°	147684	146642	147653
15°	96360	95837	95354
20°	47912	49712	47847
25°	24138	27220	23639
30°	9660	10527	8423
35°	4485	4298	3598
40°	1938	2148	1819
45°	1364	1689	1375
50°	476	1238	500
55°	267	507	280
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: 1689 cd/sqm



TEST NUMBER: P758168

CATALOG NUMBER: LD6D05D010-EU6DR300210IC9030-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.7	28.3
10°-20°	324.8	45.5
20°-30°	140.4	19.7
30°-40°	32.0	4.5
40°-50°	11.0	1.5
50°-60°	2.7	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°	666.8	93.5
0°-40°	698.8	98.0
0°-60°	712.5	99.9
0°-90°	713.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	713.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2293	2293	2293	2293	2293	
5°	2219	2217	2216	2221	2219	202
15°	1216	1201	1209	1206	1203	326
25°	286	297	322	289	280	137
35°	48	49	46	46	38	33
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: P758168

CATALOG NUMBER: LD6D05D010-EU6DR300210IC9030-6LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2293.4	2293.4	2293.4	2293.4	2293.4
2.5°	2278.2	2276.6	2277.5	2278.7	2279.1
5°	2219.1	2217.0	2216.5	2221.1	2219.2
7.5°	2099.9	2096.8	2092.2	2102.7	2112.5
10°	1900.1	1896.7	1886.7	1891.7	1899.7
12.5°	1605.2	1594.3	1594.1	1609.8	1607.7
15°	1216.0	1201.3	1209.4	1205.5	1203.3
17.5°	817.7	812.0	822.9	819.6	805.5
20°	588.2	589.7	610.3	599.9	587.4
22.5°	429.2	434.5	458.9	432.3	422.5
25°	285.8	296.6	322.3	289.1	279.9
27.5°	175.8	180.7	206.7	173.5	168.6
30°	109.3	106.9	119.1	102.2	95.3
32.5°	71.7	68.6	72.5	65.1	59.5
35°	48.0	49.0	46.0	45.6	38.5
37.5°	30.0	34.4	30.4	32.4	24.8
40°	19.4	25.0	21.5	23.8	18.2
42.5°	15.9	19.3	17.7	18.8	16.2
45°	12.6	15.6	15.6	15.6	12.7
47.5°	7.0	10.5	13.4	10.7	7.4
50°	4.0	5.3	10.4	5.5	4.2
52.5°	2.7	3.0	7.1	3.2	2.8
55°	2.0	2.1	3.8	2.2	2.1
57.5°	1.6	1.7	2.0	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)