

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: P758164

Luminaire Tested: LD6D05D010-EU6DR300210IC9030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P758164
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-EU6DR300210IC9030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 677.6 lumens
Efficiency: N/A
Efficacy: 90.3 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): 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



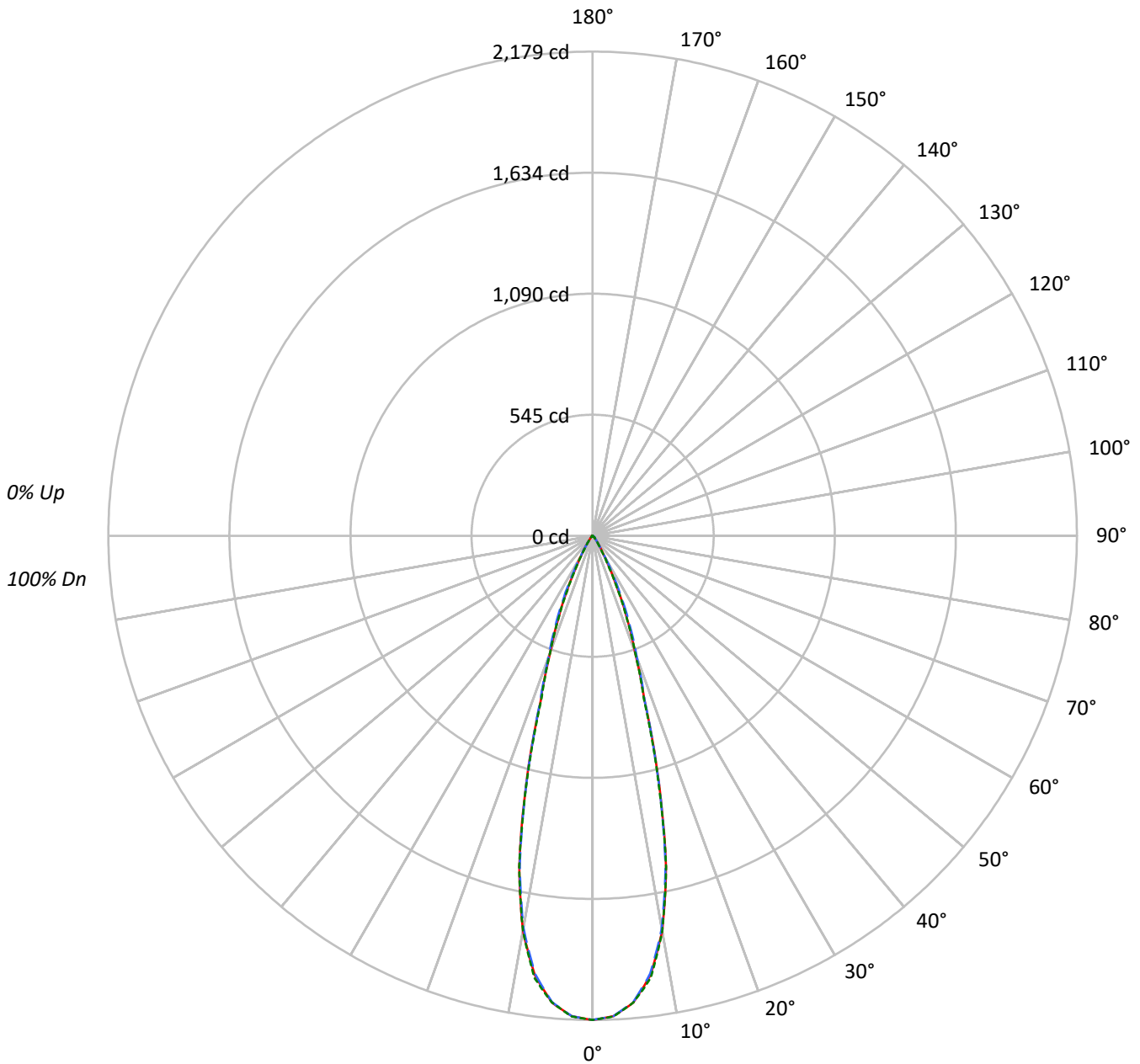
Downlight



TEST NUMBER: P758164

CATALOG NUMBER: LD6D05D010-EU6DR300210IC9030-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P758164

CATALOG NUMBER: LD6D05D010-EU6DR300210IC9030-6LBDP1LI

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	87	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°	166773	166773	166773
5°	161978	161793	161985
10°	140300	139313	140269
15°	91534	91043	90591
20°	45517	47228	45460
25°	22930	25852	22457
30°	9183	10005	7999
35°	4252	4083	3420
40°	1839	2048	1729
45°	1299	1613	1310
50°	441	1179	476
55°	254	480	267
60°	184	214	184
65°	109	109	109
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: 1613 cd/sqm



TEST NUMBER: P758164

CATALOG NUMBER: LD6D05D010-EU6DR300210IC9030-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.6	28.3
10°-20°	308.6	45.5
20°-30°	133.3	19.7
30°-40°	30.4	4.5
40°-50°	10.4	1.5
50°-60°	2.5	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°	633.5	93.5
0°-40°	663.9	98.0
0°-60°	676.8	99.9
0°-90°	677.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	677.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2179	2179	2179	2179	2179	
5°	2108	2106	2106	2110	2108	192
15°	1155	1141	1149	1145	1143	309
25°	272	282	306	275	266	130
35°	46	46	44	43	37	31
45°	12	15	15	15	12	8
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	0



TEST NUMBER: P758164

CATALOG NUMBER: LD6D05D010-EU6DR300210IC9030-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2178.8	2178.8	2178.8	2178.8	2178.8
2.5°	2164.3	2162.8	2163.6	2164.7	2165.1
5°	2108.1	2106.1	2105.7	2110.1	2108.2
7.5°	1994.8	1992.0	1987.6	1997.5	2006.8
10°	1805.1	1801.9	1792.4	1797.1	1804.7
12.5°	1525.0	1514.6	1514.4	1529.3	1527.3
15°	1155.1	1141.3	1148.9	1145.2	1143.2
17.5°	776.8	771.5	781.7	778.6	765.2
20°	558.8	560.2	579.8	569.9	558.1
22.5°	407.8	412.8	436.0	410.6	401.4
25°	271.5	281.8	306.1	274.6	265.9
27.5°	167.0	171.7	196.4	164.8	160.1
30°	103.9	101.5	113.2	97.1	90.5
32.5°	68.1	65.1	68.9	61.8	56.5
35°	45.5	46.5	43.7	43.3	36.6
37.5°	28.5	32.7	28.9	30.8	23.5
40°	18.4	23.7	20.5	22.6	17.3
42.5°	15.1	18.3	16.8	17.9	15.4
45°	12.0	14.9	14.9	14.9	12.1
47.5°	6.6	10.0	12.7	10.1	7.0
50°	3.7	5.0	9.9	5.2	4.0
52.5°	2.6	2.9	6.8	3.0	2.7
55°	1.9	2.0	3.6	2.1	2.0
57.5°	1.5	1.6	1.9	1.6	1.5
60°	1.2	1.2	1.4	1.3	1.2
62.5°	0.9	0.9	1.0	0.9	0.9
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.3	0.4	0.4	0.4	0.4
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)