

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: P760181

Luminaire Tested: LD6D10D010-EU6DR300210IC9027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760181
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-EU6DR300210IC9027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 970.1 lumens
Efficiency: N/A
Efficacy: 82.9 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

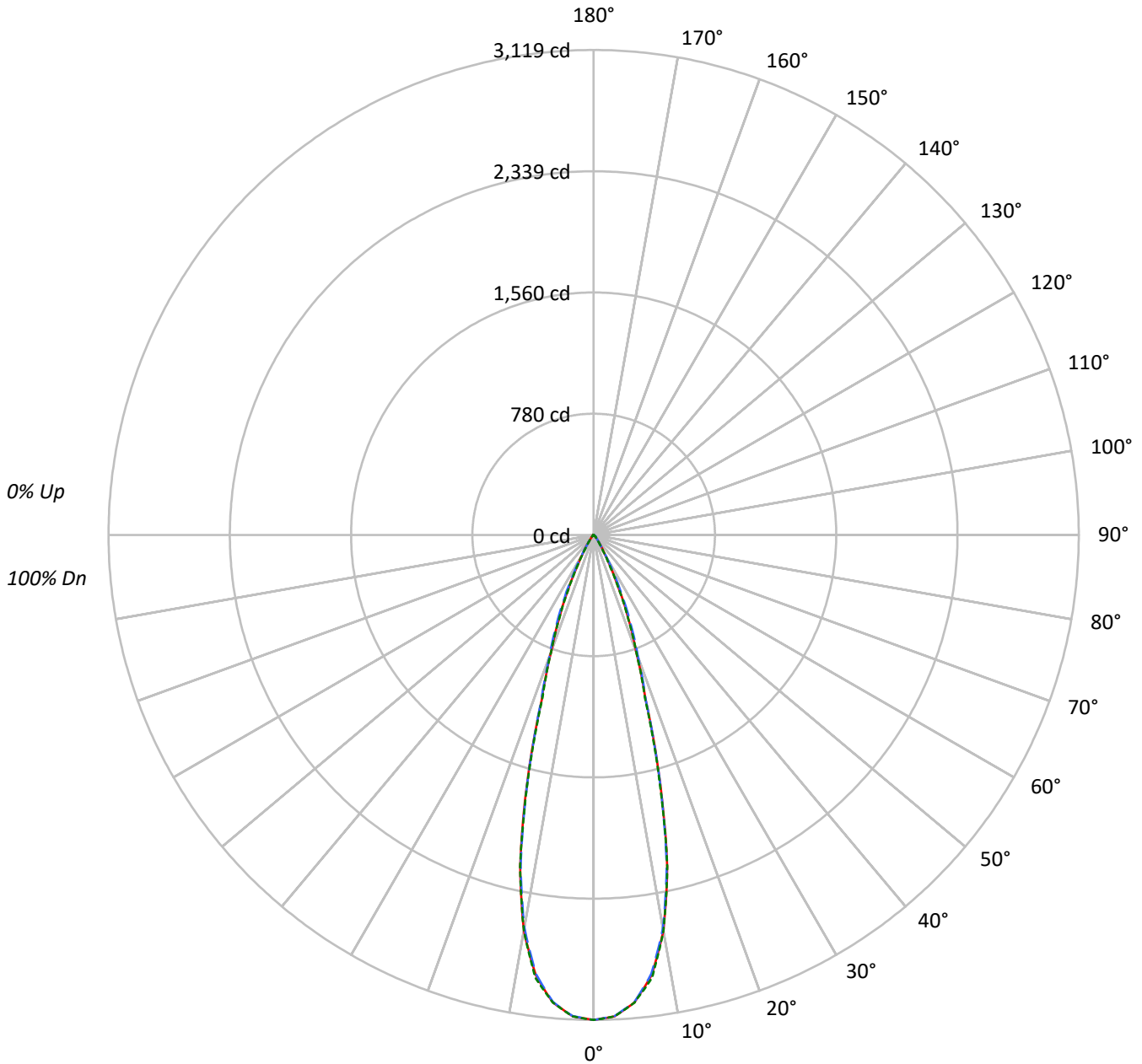


Downlight



TEST NUMBER: P760181
CATALOG NUMBER: LD6D10D010-EU6DR300210IC9027-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P760181

CATALOG NUMBER: LD6D10D010-EU6DR300210IC9027-6LBS1B

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°	238762	238762	238762
5°	231906	231637	231921
10°	200870	199448	200824
15°	131053	130348	129698
20°	65173	67608	65083
25°	32828	37017	32153
30°	13143	14318	11446
35°	6102	5840	4896
40°	2638	2928	2478
45°	1851	2306	1873
50°	643	1679	679
55°	374	694	387
60°	260	306	260
65°	163	163	163
70°	112	67	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2306 cd/sqm



TEST NUMBER: P760181

CATALOG NUMBER: LD6D10D010-EU6DR300210IC9027-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.3	28.3
10°-20°	441.8	45.5
20°-30°	190.9	19.7
30°-40°	43.5	4.5
40°-50°	15.0	1.5
50°-60°	3.6	0.4
60°-70°	0.9	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°	906.9	93.5
0°-40°	950.5	98.0
0°-60°	969.1	99.9
0°-90°	970.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	970.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3119	3119	3119	3119	3119	
5°	3018	3015	3015	3021	3018	275
15°	1654	1634	1645	1640	1637	443
25°	389	403	438	393	381	186
35°	65	67	62	62	52	44
45°	17	21	21	21	17	12
55°	3	3	5	3	3	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: P760181

CATALOG NUMBER: LD6D10D010-EU6DR300210IC9027-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3119.3	3119.3	3119.3	3119.3	3119.3
2.5°	3098.6	3096.5	3097.7	3099.3	3099.8
5°	3018.2	3015.3	3014.7	3021.0	3018.4
7.5°	2856.0	2851.9	2845.6	2859.9	2873.2
10°	2584.4	2579.8	2566.1	2572.9	2583.8
12.5°	2183.3	2168.4	2168.1	2189.5	2186.7
15°	1653.8	1633.9	1644.9	1639.6	1636.7
17.5°	1112.2	1104.5	1119.2	1114.7	1095.6
20°	800.1	802.0	830.0	816.0	799.0
22.5°	583.8	591.0	624.2	587.9	574.6
25°	388.7	403.4	438.3	393.1	380.7
27.5°	239.0	245.8	281.2	236.0	229.2
30°	148.7	145.4	162.0	139.1	129.5
32.5°	97.6	93.3	98.6	88.5	80.8
35°	65.3	66.6	62.5	62.1	52.4
37.5°	40.7	46.9	41.4	44.1	33.7
40°	26.4	34.0	29.3	32.3	24.8
42.5°	21.6	26.2	24.1	25.6	22.1
45°	17.1	21.3	21.3	21.3	17.3
47.5°	9.5	14.3	18.2	14.6	10.1
50°	5.4	7.2	14.1	7.5	5.7
52.5°	3.7	4.1	9.6	4.3	3.8
55°	2.8	2.9	5.2	3.0	2.9
57.5°	2.1	2.3	2.8	2.3	2.1
60°	1.7	1.7	2.0	1.8	1.7
62.5°	1.2	1.2	1.4	1.2	1.2
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.5	0.6	0.6	0.6	0.6
70°	0.5	0.3	0.3	0.3	0.5
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)