

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: P768106

Luminaire Tested: LD6D55D010-EU6DR4055659027-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768106  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D55D010-EU6DR4055659027-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 40° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6945.0 lumens  
Efficiency: N/A  
Efficacy: 119.3 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

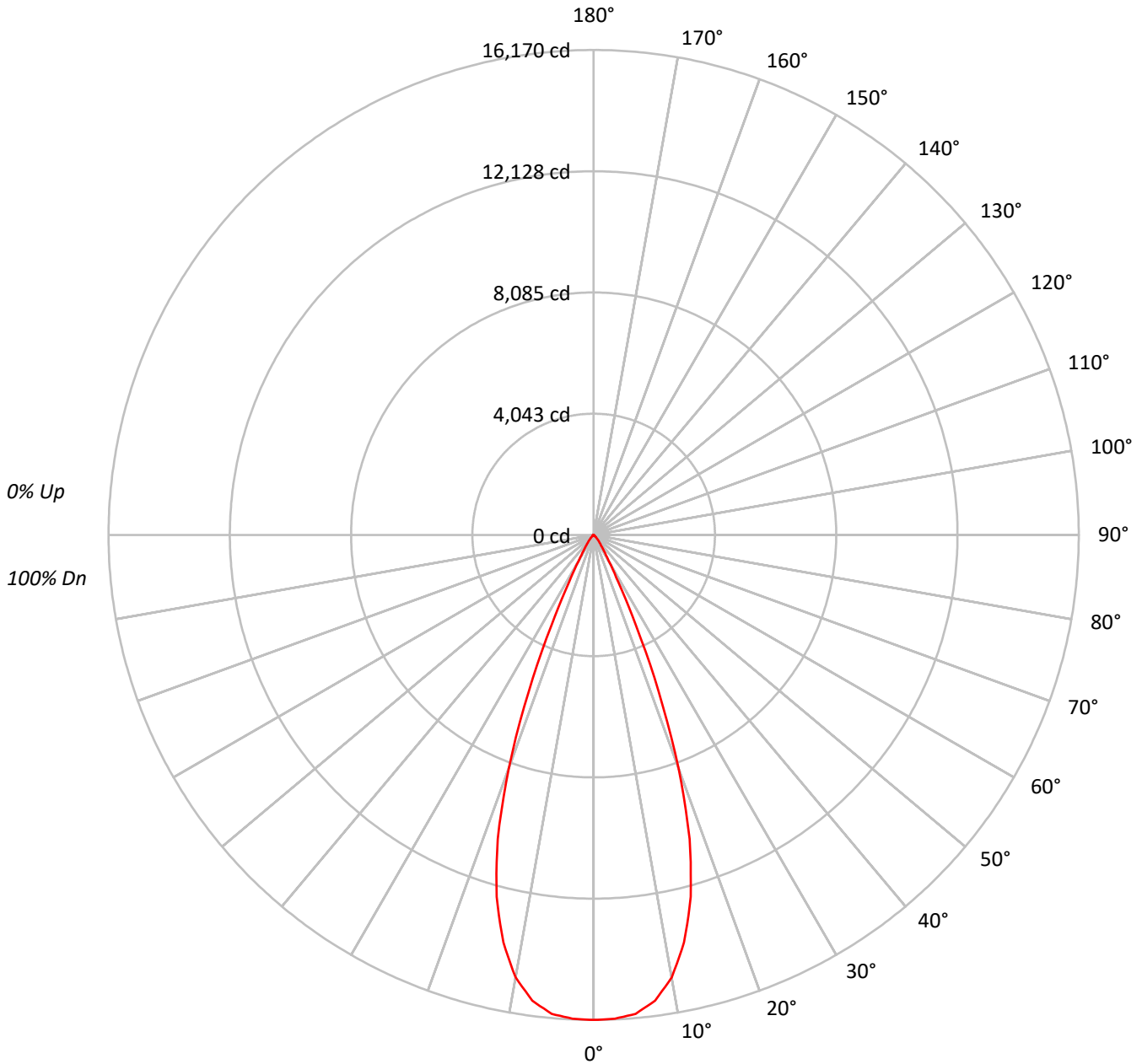
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P768106  
CATALOG NUMBER: LD6D55D010-EU6DR4055659027-6LBS1H

### Luminous Intensity Polar Plot





TEST NUMBER: P768106

CATALOG NUMBER: LD6D55D010-EU6DR4055659027-6LBS1H

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1766735
5°	1758151
10°	1661831
15°	1412773
20°	962902
25°	401765
30°	126327
35°	58715
40°	32477
45°	14896
50°	7224
55°	3962
60°	2054
65°	724
70°	288
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14896 cd/sqm



TEST NUMBER: P768106

CATALOG NUMBER: LD6D55D010-EU6DR4055659027-6LBS1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1496.8	21.6
10°-20°	3353.2	48.3
20°-30°	1678.5	24.2
30°-40°	307.7	4.4
40°-50°	84.9	1.2
50°-60°	19.9	0.3
60°-70°	3.8	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°	6528.6	94.0
0°-40°	6836.3	98.4
0°-60°	6941.1	99.9
0°-90°	6945.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6945.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	16170	
5°	16030	###
15°	12490	3353
25°	3333	1679
35°	440	308
45°	96	85
55°	21	20
65°	3	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P768106

CATALOG NUMBER: LD6D55D010-EU6DR4055659027-6LBS1H

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	16169.9
2.5°	16146.3
5°	16030.1
7.5°	15659.8
10°	14978.7
12.5°	13917.0
15°	12489.7
17.5°	10633.5
20°	8281.4
22.5°	5645.9
25°	3332.6
27.5°	1761.7
30°	1001.3
32.5°	647.1
35°	440.2
37.5°	314.6
40°	227.7
42.5°	155.9
45°	96.4
47.5°	61.4
50°	42.5
52.5°	30.2
55°	20.8
57.5°	13.2
60°	9.4
62.5°	5.7
65°	2.8
67.5°	1.9
70°	0.9
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	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





Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

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)