

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: P768493

Luminaire Tested: LD6D55D010-EU6DR6555659027-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768493  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D55D010-EU6DR6555659027-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5814.8 lumens  
Efficiency: N/A  
Efficacy: 99.9 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

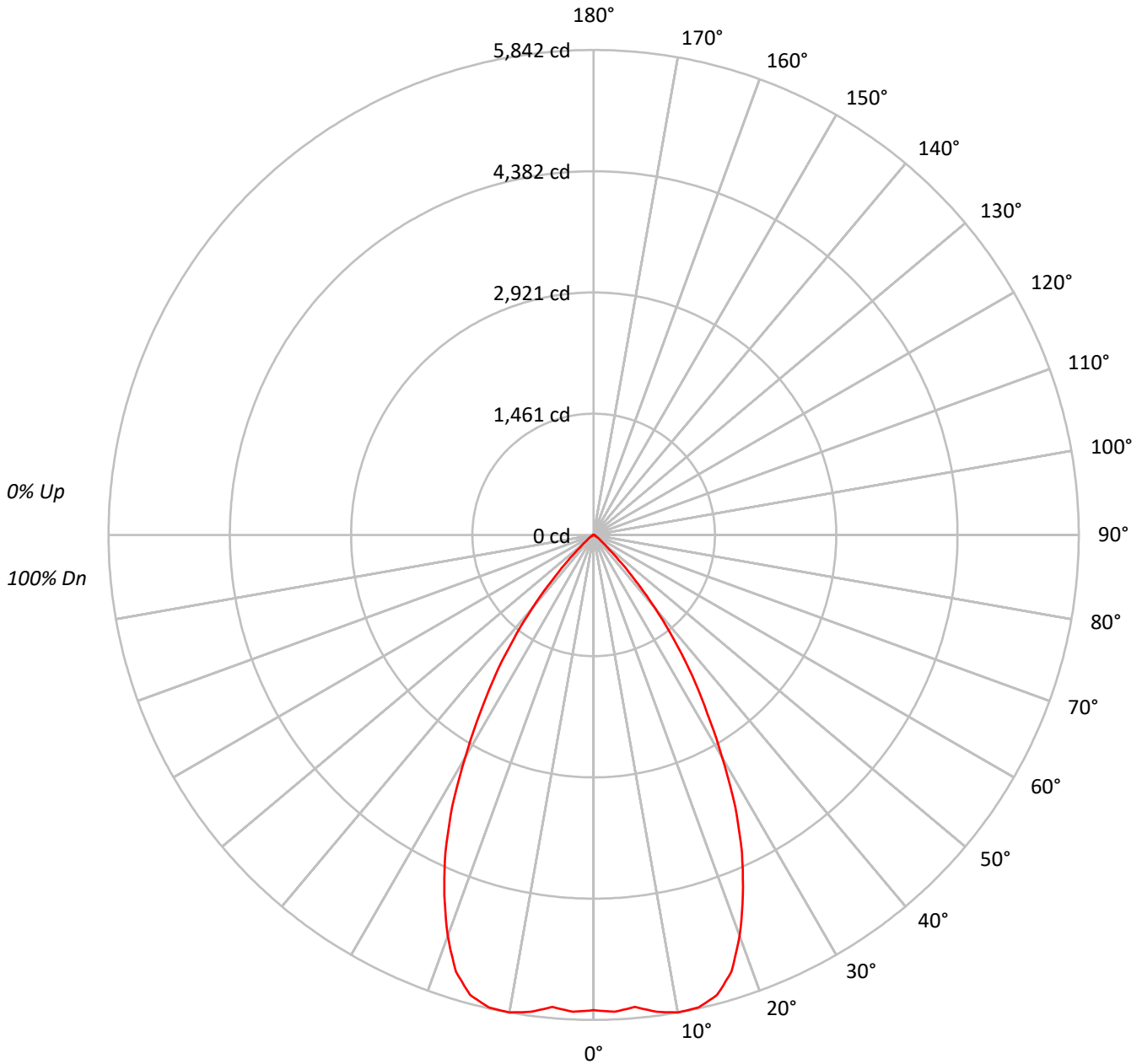
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P768493  
CATALOG NUMBER: LD6D55D010-EU6DR6555659027-6LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P768493

CATALOG NUMBER: LD6D55D010-EU6DR6555659027-6LBDP1LI

**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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87		
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80		
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69		
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65		
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60		
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57		
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53		
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50		

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

	0°
0°	625540
5°	626054
10°	648093
15°	649167
20°	597666
25°	509240
30°	389845
35°	275422
40°	162569
45°	65995
50°	23916
55°	13334
60°	7648
65°	4214
70°	4409
75°	3419
80°	3586
85°	3009

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 65995 cd/sqm



TEST NUMBER: P768493

CATALOG NUMBER: LD6D55D010-EU6DR6555659027-6LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	551.3	9.5
10°-20°	1590.2	27.3
20°-30°	1907.9	32.8
30°-40°	1282.2	22.1
40°-50°	383.8	6.6
50°-60°	67.7	1.2
60°-70°	19.3	0.3
70°-80°	9.4	0.2
80°-90°	3.0	0.1
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°	4049.4	69.6
0°-40°	5331.6	91.7
0°-60°	5783.2	99.5
0°-90°	5814.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5814.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5725	
5°	5708	551
15°	5739	1590
25°	4224	1908
35°	2065	1282
45°	427	384
55°	70	68
65°	16	19
75°	8	9
85°	2	3
90°	0	



TEST NUMBER: P768493

CATALOG NUMBER: LD6D55D010-EU6DR6555659027-6LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5725.2
2.5°	5749.6
5°	5708.1
7.5°	5794.3
10°	5841.5
12.5°	5830.1
15°	5739.0
17.5°	5516.1
20°	5140.2
22.5°	4697.6
25°	4224.1
27.5°	3689.6
30°	3090.0
32.5°	2546.5
35°	2064.9
37.5°	1588.9
40°	1139.8
42.5°	744.4
45°	427.1
47.5°	226.2
50°	140.7
52.5°	97.6
55°	70.0
57.5°	50.4
60°	35.0
62.5°	22.8
65°	16.3
67.5°	14.6
70°	13.8
72.5°	10.6
75°	8.1
77.5°	7.3
80°	5.7
82.5°	4.1
85°	2.4
87.5°	1.6
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)