

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: P770055

Luminaire Tested: LD6D65D010-EU6DR6555659027-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770055  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D65D010-EU6DR6555659027-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6582.5 lumens  
Efficiency: N/A  
Efficacy: 90.4 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

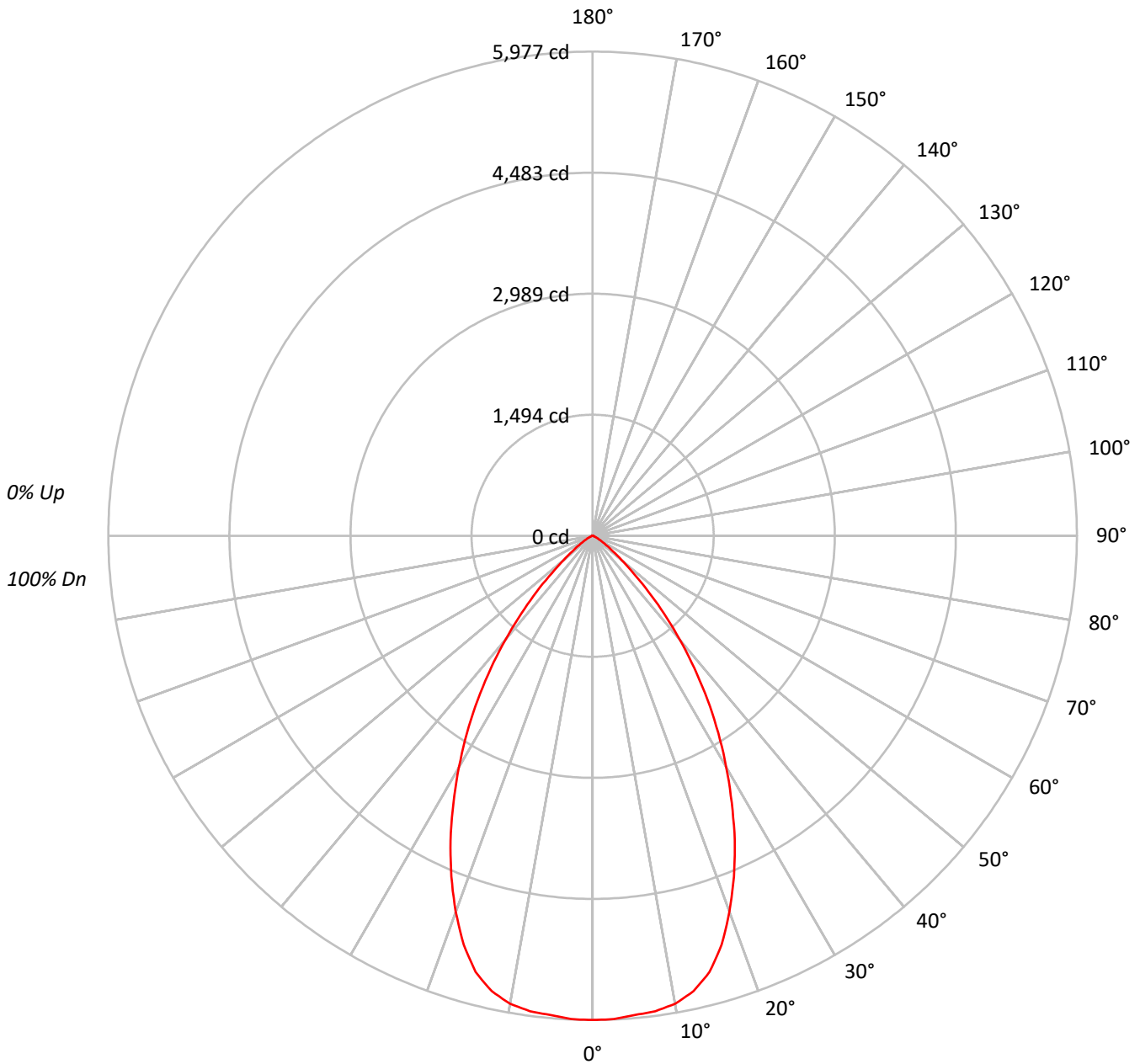
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P770055  
CATALOG NUMBER: LD6D65D010-EU6DR6555659027-6LBS1B

### Luminous Intensity Polar Plot





TEST NUMBER: P770055  
 CATALOG NUMBER: LD6D65D010-EU6DR6555659027-6LBS1B

**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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			

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

	0°
0°	349062
5°	348186
10°	347888
15°	337160
20°	306944
25°	267484
30°	222468
35°	176277
40°	127223
45°	80374
50°	41896
55°	22269
60°	11692
65°	6426
70°	2698
75°	2979
80°	2052
85°	1742

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 80374 cd/sqm



TEST NUMBER: P770055  
 CATALOG NUMBER: LD6D65D010-EU6DR6555659027-6LBS1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	565.2	8.6
10°-20°	1547.8	23.5
20°-30°	1891.9	28.7
30°-40°	1535.0	23.3
40°-50°	764.9	11.6
50°-60°	213.4	3.2
60°-70°	48.5	0.7
70°-80°	12.6	0.2
80°-90°	3.2	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°	4004.9	60.8
0°-40°	5539.9	84.2
0°-60°	6518.2	99.0
0°-90°	6582.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6582.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5977	
5°	5939	565
15°	5576	1548
25°	4151	1892
35°	2472	1535
45°	973	765
55°	219	213
65°	46	48
75°	13	13
85°	3	3
90°	0	



TEST NUMBER: P770055

CATALOG NUMBER: LD6D65D010-EU6DR6555659027-6LBS1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5976.7
2.5°	5972.4
5°	5939.0
7.5°	5919.7
10°	5866.1
12.5°	5757.2
15°	5576.2
17.5°	5293.4
20°	4938.6
22.5°	4555.7
25°	4150.8
27.5°	3717.8
30°	3298.8
32.5°	2885.2
35°	2472.4
37.5°	2060.5
40°	1668.7
42.5°	1301.6
45°	973.1
47.5°	678.0
50°	461.1
52.5°	317.9
55°	218.7
57.5°	147.6
60°	100.1
62.5°	69.4
65°	46.5
67.5°	23.7
70°	15.8
72.5°	14.9
75°	13.2
77.5°	8.8
80°	6.1
82.5°	4.4
85°	2.6
87.5°	1.8
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)