

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



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: P793764

Luminaire Tested: LER6D55D010-EC6DR3055659040-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P793764  
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: LER6D55D010-EC6DR3055659040-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7079.6 lumens  
Efficiency: N/A  
Efficacy: 121.6 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): 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

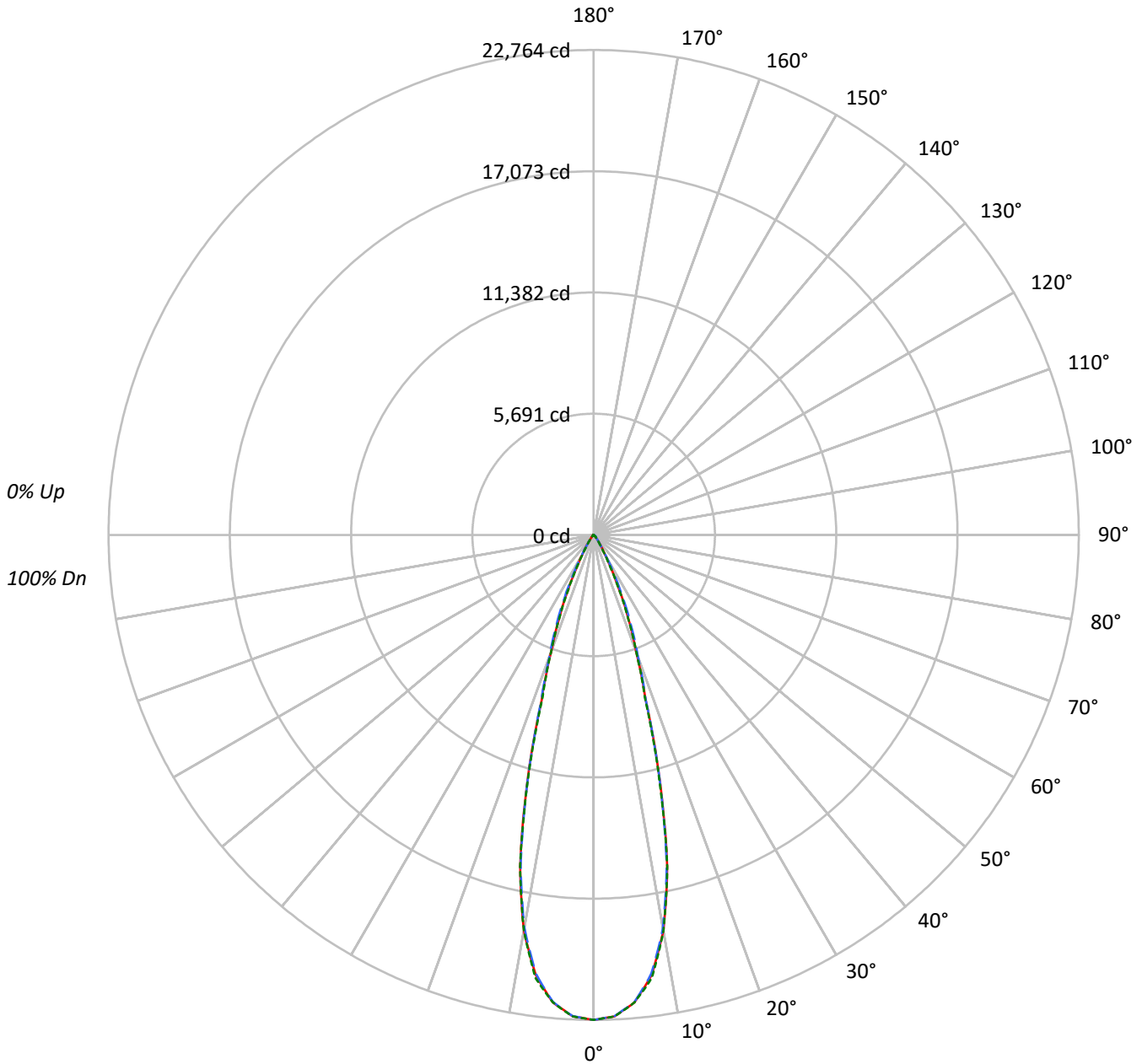


Downlight

TEST NUMBER: P793764

CATALOG NUMBER: LER6D55D010-EC6DR3055659040-6LBS1H

### Luminous Intensity Polar Plot





TEST NUMBER: P793764

CATALOG NUMBER: LER6D55D010-EC6DR3055659040-6LBS1H

**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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

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

	0°	45°	90°
0°	1742472	1742472	1742472
5°	1692446	1690472	1692539
10°	1465917	1455580	1465568
15°	956438	951303	946517
20°	475596	493435	474952
25°	239569	270150	234662
30°	95915	104515	83568
35°	44488	42610	35714
40°	19205	21333	18096
45°	13553	16822	13672
50°	4656	12241	4930
55°	2682	5071	2829
60°	1883	2220	1883
65°	1213	1213	1213
70°	761	492	761
75°	0	325	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 16822 cd/sqm



TEST NUMBER: P793764

CATALOG NUMBER: LER6D55D010-EC6DR3055659040-6LBS1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2001.8	28.3
10°-20°	3223.9	45.5
20°-30°	1393.1	19.7
30°-40°	317.5	4.5
40°-50°	109.0	1.5
50°-60°	26.6	0.4
60°-70°	6.9	0.1
70°-80°	0.7	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°	6618.8	93.5
0°-40°	6936.4	98.0
0°-60°	7072.0	99.9
0°-90°	7079.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7079.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	22764	22764	22764	22764	22764	
5°	22027	22006	22001	22047	22028	2003
15°	12070	11924	12005	11966	11944	3232
25°	2837	2944	3199	2869	2778	1358
35°	476	486	456	453	382	323
45°	125	155	155	155	126	89
55°	20	21	38	22	21	20
65°	7	7	7	7	7	7
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P793764

CATALOG NUMBER: LER6D55D010-EC6DR3055659040-6LBS1H

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	22764.5	22764.5	22764.5	22764.5	22764.5
2.5°	22613.6	22598.0	22606.9	22618.1	22622.6
5°	22026.8	22005.6	22001.1	22047.0	22028.0
7.5°	20843.2	20813.1	20767.2	20871.2	20968.4
10°	18860.5	18827.0	18727.5	18776.7	18856.0
12.5°	15933.4	15825.0	15822.7	15979.2	15958.0
15°	12069.6	11924.3	12004.8	11965.7	11944.4
17.5°	8116.4	8060.6	8167.9	8135.4	7995.7
20°	5838.7	5853.2	6057.7	5954.9	5830.8
22.5°	4260.5	4313.1	4555.6	4290.7	4193.5
25°	2836.6	2943.9	3198.7	2869.0	2778.5
27.5°	1744.7	1793.8	2052.0	1722.3	1673.1
30°	1085.2	1060.7	1182.5	1014.8	945.5
32.5°	711.9	680.7	719.8	646.0	590.1
35°	476.1	486.2	456.0	452.7	382.2
37.5°	297.3	342.0	301.8	321.9	245.9
40°	192.2	248.1	213.5	235.8	181.1
42.5°	157.6	191.1	175.5	186.6	160.9
45°	125.2	155.4	155.4	155.4	126.3
47.5°	69.3	103.9	133.0	106.2	73.8
50°	39.1	52.5	102.8	54.8	41.4
52.5°	26.8	30.2	70.4	31.3	27.9
55°	20.1	21.2	38.0	22.4	21.2
57.5°	15.6	16.8	20.1	16.8	15.6
60°	12.3	12.3	14.5	13.4	12.3
62.5°	8.9	8.9	10.1	8.9	8.9
65°	6.7	6.7	6.7	6.7	6.7
67.5°	3.4	4.5	4.5	4.5	4.5
70°	3.4	2.2	2.2	2.2	3.4
72.5°	2.2	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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)