

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: P790556

Luminaire Tested: LER6D20D010-EC6DR6520359050-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790556  
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: LER6D20D010-EC6DR6520359050-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3309.7 lumens  
Efficiency: N/A  
Efficacy: 143.3 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): 23.1  
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

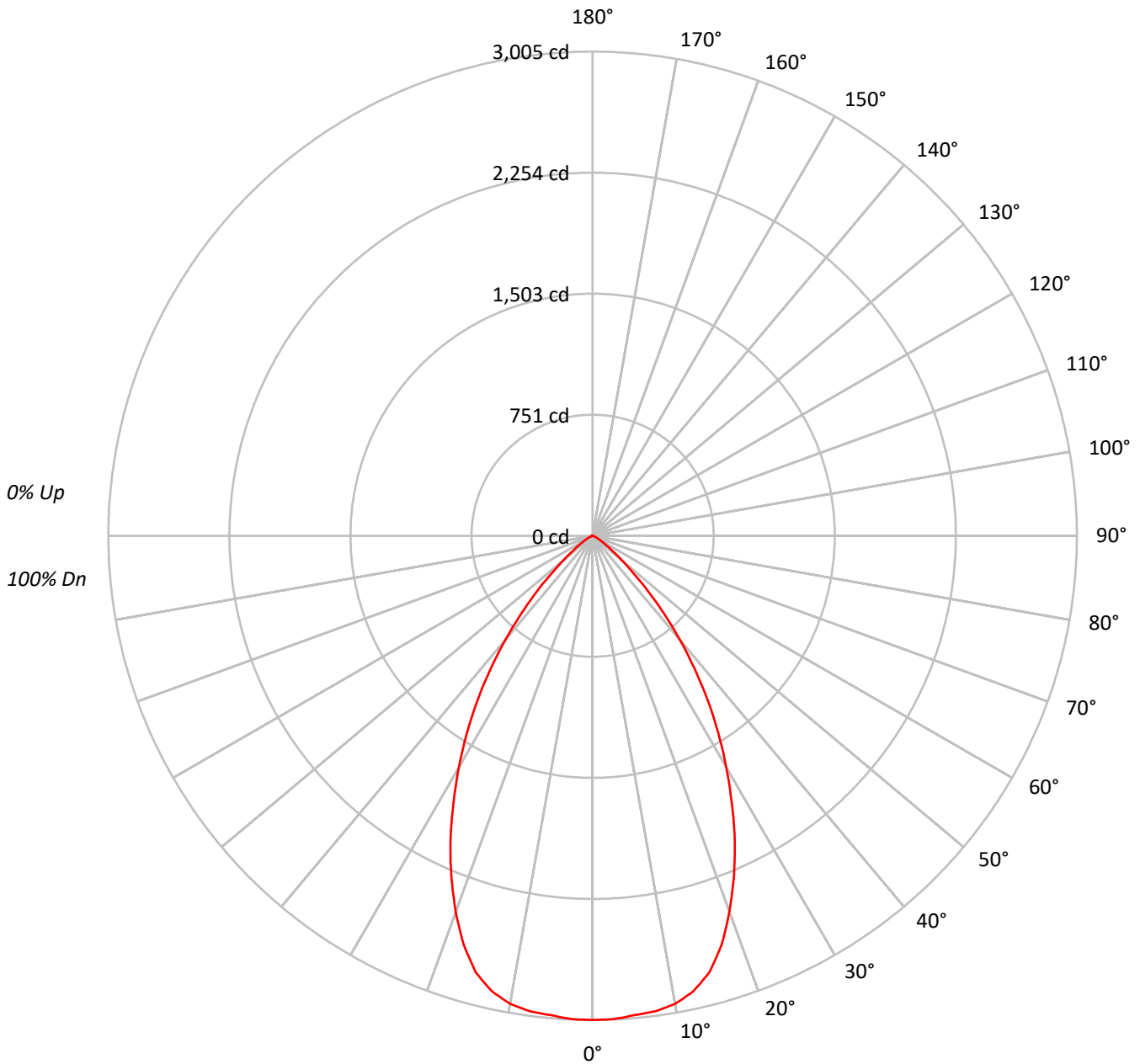


Downlight

TEST NUMBER: P790556

CATALOG NUMBER: LER6D20D010-EC6DR6520359050-6LBS1H

### Luminous Intensity Polar Plot





TEST NUMBER: P790556

CATALOG NUMBER: LER6D20D010-EC6DR6520359050-6LBS1H

**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	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°	175515
5°	175072
10°	174920
15°	169529
20°	154336
25°	134489
30°	111861
35°	88630
40°	63974
45°	40414
50°	21061
55°	11201
60°	5875
65°	3234
70°	1349
75°	1489
80°	1043
85°	871

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 40414 cd/sqm



TEST NUMBER: P790556

CATALOG NUMBER: LER6D20D010-EC6DR6520359050-6LBS1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	284.2	8.6
10°-20°	778.2	23.5
20°-30°	951.2	28.7
30°-40°	771.8	23.3
40°-50°	384.6	11.6
50°-60°	107.3	3.2
60°-70°	24.4	0.7
70°-80°	6.3	0.2
80°-90°	1.6	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°	2013.7	60.8
0°-40°	2785.5	84.2
0°-60°	3277.4	99.0
0°-90°	3309.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3309.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3005	
5°	2986	284
15°	2804	778
25°	2087	951
35°	1243	772
45°	489	385
55°	110	107
65°	23	24
75°	7	6
85°	1	2
90°	0	



TEST NUMBER: P790556

CATALOG NUMBER: LER6D20D010-EC6DR6520359050-6LBS1H

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3005.2
2.5°	3002.9
5°	2986.2
7.5°	2976.5
10°	2949.5
12.5°	2894.8
15°	2803.8
17.5°	2661.6
20°	2483.2
22.5°	2290.6
25°	2087.0
27.5°	1869.3
30°	1658.7
32.5°	1450.7
35°	1243.1
37.5°	1036.0
40°	839.1
42.5°	654.5
45°	489.3
47.5°	340.9
50°	231.8
52.5°	159.9
55°	110.0
57.5°	74.2
60°	50.3
62.5°	34.9
65°	23.4
67.5°	11.9
70°	7.9
72.5°	7.5
75°	6.6
77.5°	4.4
80°	3.1
82.5°	2.2
85°	1.3
87.5°	0.9
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)