

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: P790203

Luminaire Tested: LER6D20D010-EC6DR3020359035-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790203  
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: LER6D20D010-EC6DR3020359035-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3405.4 lumens  
Efficiency: N/A  
Efficacy: 147.4 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): 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

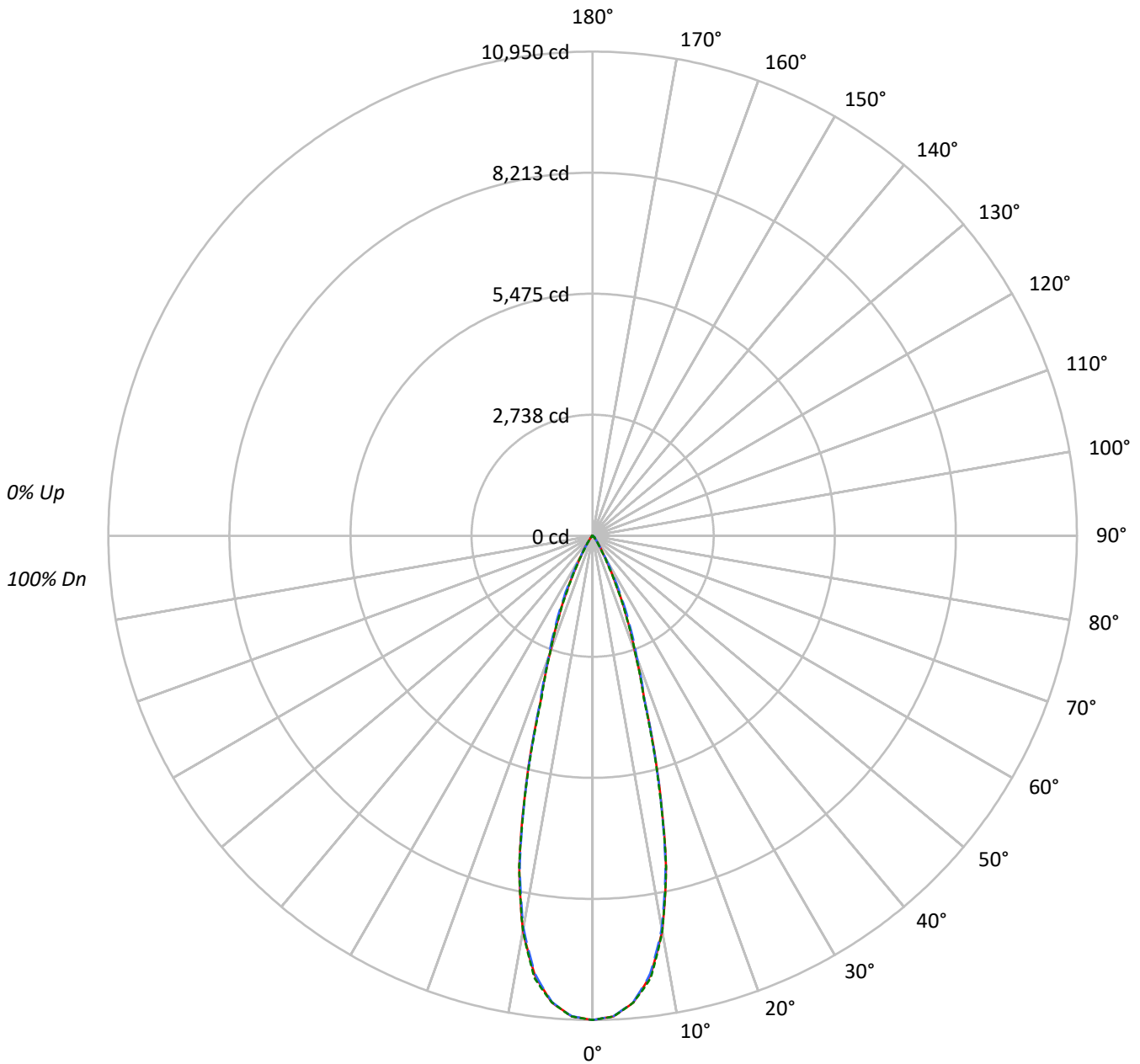


Downlight

TEST NUMBER: P790203

CATALOG NUMBER: LER6D20D010-EC6DR3020359035-6LBS1B

### Luminous Intensity Polar Plot





TEST NUMBER: P790203

CATALOG NUMBER: LER6D20D010-EC6DR3020359035-6LBS1B

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

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

	0°	45°	90°
0°	838150	838150	838150
5°	814090	813138	814129
10°	705122	700155	704959
15°	460056	457592	455286
20°	228769	237346	228459
25°	115241	129944	112876
30°	46137	50273	40197
35°	21398	20492	17184
40°	9243	10262	8703
45°	6517	8086	6571
50°	2239	5894	2370
55°	1294	2442	1361
60°	903	1072	903
65°	580	580	580
70°	358	246	358
75°	0	148	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 8086 cd/sqm



TEST NUMBER: P790203

CATALOG NUMBER: LER6D20D010-EC6DR3020359035-6LBS1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	962.9	28.3
10°-20°	1550.7	45.5
20°-30°	670.1	19.7
30°-40°	152.7	4.5
40°-50°	52.4	1.5
50°-60°	12.8	0.4
60°-70°	3.3	0.1
70°-80°	0.3	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°	3183.7	93.5
0°-40°	3336.5	98.0
0°-60°	3401.7	99.9
0°-90°	3405.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3405.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10950	10950	10950	10950	10950	
5°	10595	10585	10583	10605	10596	964
15°	5806	5736	5774	5756	5745	1555
25°	1364	1416	1539	1380	1336	653
35°	229	234	219	218	184	155
45°	60	75	75	75	61	43
55°	10	10	18	11	10	9
65°	3	3	3	3	3	3
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P790203

CATALOG NUMBER: LER6D20D010-EC6DR3020359035-6LBS1B

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10950.0	10950.0	10950.0	10950.0	10950.0
2.5°	10877.4	10869.9	10874.2	10879.6	10881.7
5°	10595.2	10585.0	10582.8	10604.9	10595.7
7.5°	10025.9	10011.3	9989.3	10039.3	10086.1
10°	9072.1	9056.0	9008.2	9031.8	9070.0
12.5°	7664.1	7612.0	7610.9	7686.2	7676.0
15°	5805.6	5735.7	5774.5	5755.6	5745.4
17.5°	3904.1	3877.2	3928.8	3913.3	3846.1
20°	2808.5	2815.5	2913.8	2864.4	2804.7
22.5°	2049.4	2074.6	2191.3	2063.9	2017.1
25°	1364.5	1416.1	1538.6	1380.0	1336.5
27.5°	839.2	862.9	987.0	828.5	804.8
30°	522.0	510.2	568.8	488.1	454.8
32.5°	342.5	327.4	346.2	310.7	283.9
35°	229.0	233.9	219.3	217.7	183.9
37.5°	143.0	164.5	145.2	154.8	118.3
40°	92.5	119.3	102.7	113.4	87.1
42.5°	75.8	91.9	84.4	89.8	77.4
45°	60.2	74.7	74.7	74.7	60.7
47.5°	33.3	50.0	64.0	51.1	35.5
50°	18.8	25.3	49.5	26.3	19.9
52.5°	12.9	14.5	33.9	15.1	13.4
55°	9.7	10.2	18.3	10.8	10.2
57.5°	7.5	8.1	9.7	8.1	7.5
60°	5.9	5.9	7.0	6.5	5.9
62.5°	4.3	4.3	4.8	4.3	4.3
65°	3.2	3.2	3.2	3.2	3.2
67.5°	1.6	2.2	2.2	2.2	2.2
70°	1.6	1.1	1.1	1.1	1.6
72.5°	1.1	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.5	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)