

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: P790543

Luminaire Tested: LER6D20D010-EC6DR6520359040-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790543  
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: LER6D20D010-EC6DR6520359040-6LBDDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2370.1 lumens  
Efficiency: N/A  
Efficacy: 102.6 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): 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

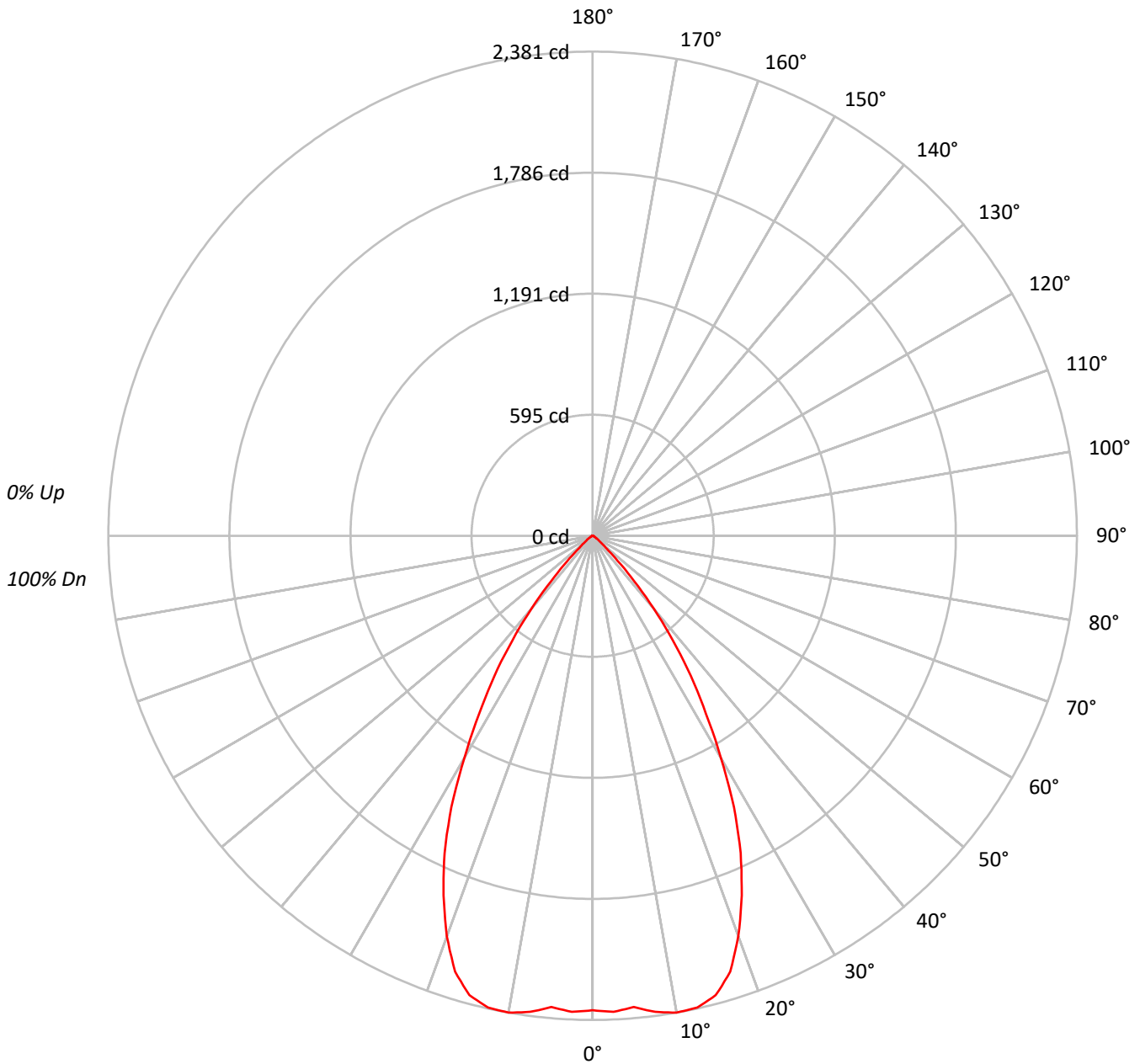


Downlight

TEST NUMBER: P790543

CATALOG NUMBER: LER6D20D010-EC6DR6520359040-6LBDP1B

### Luminous Intensity Polar Plot





TEST NUMBER: P790543

CATALOG NUMBER: LER6D20D010-EC6DR6520359040-6LBDP1B

**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	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°	254960
5°	255166
10°	264152
15°	264587
20°	243603
25°	207561
30°	158890
35°	112255
40°	66266
45°	26902
50°	9757
55°	5429
60°	3125
65°	1706
70°	1789
75°	1393
80°	1447
85°	1254

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 26902 cd/sqm



TEST NUMBER: P790543

CATALOG NUMBER: LER6D20D010-EC6DR6520359040-6LBDP1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.7	9.5
10°-20°	648.1	27.3
20°-30°	777.7	32.8
30°-40°	522.6	22.0
40°-50°	156.5	6.6
50°-60°	27.6	1.2
60°-70°	7.9	0.3
70°-80°	3.8	0.2
80°-90°	1.2	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°	1650.5	69.6
0°-40°	2173.1	91.7
0°-60°	2357.2	99.5
0°-90°	2370.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2370.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2334	
5°	2326	225
15°	2339	648
25°	1722	778
35°	842	523
45°	174	156
55°	28	28
65°	7	8
75°	3	4
85°	1	1
90°	0	



TEST NUMBER: P790543  
CATALOG NUMBER: LER6D20D010-EC6DR6520359040-6LBDP1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2333.5
2.5°	2343.5
5°	2326.5
7.5°	2361.7
10°	2380.9
12.5°	2376.3
15°	2339.1
17.5°	2248.3
20°	2095.1
22.5°	1914.7
25°	1721.7
27.5°	1503.8
30°	1259.4
32.5°	1037.9
35°	841.6
37.5°	647.6
40°	464.6
42.5°	303.4
45°	174.1
47.5°	92.2
50°	57.4
52.5°	39.8
55°	28.5
57.5°	20.6
60°	14.3
62.5°	9.3
65°	6.6
67.5°	6.0
70°	5.6
72.5°	4.3
75°	3.3
77.5°	3.0
80°	2.3
82.5°	1.7
85°	1.0
87.5°	0.7
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)