

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: P788891

Luminaire Tested: LER6D10D010-EC6DR200210IC9050-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788891  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D10D010-EC6DR200210IC9050-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1163.1 lumens  
Efficiency: N/A  
Efficacy: 99.4 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.7  
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

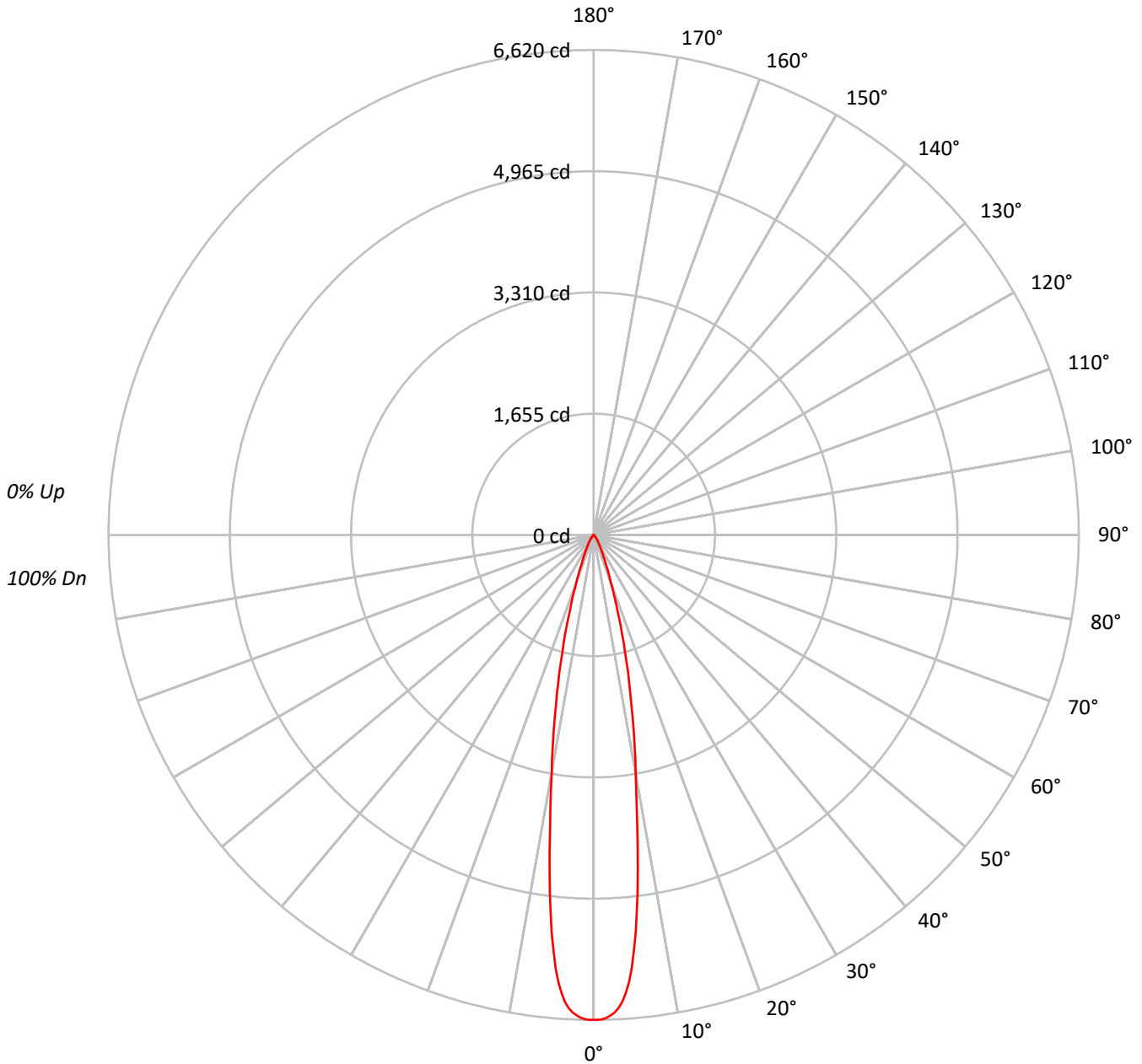


Downlight

TEST NUMBER: P788891

CATALOG NUMBER: LER6D10D010-EC6DR200210IC9050-6LBS1B

### Luminous Intensity Polar Plot





TEST NUMBER: P788891

CATALOG NUMBER: LER6D10D010-EC6DR200210IC9050-6LBS1B

**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			100																
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	98	97																
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	98	94																
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	95	91																
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	93	89																
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	91	86																
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	88	84																
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	86	82																
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	84	80																
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	82	78																
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	81	76																

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

	0°
0°	723284
5°	652541
10°	366245
15°	186165
20°	78821
25°	36384
30°	19265
35°	10377
40°	5548
45°	3276
50°	1904
55°	1010
60°	634
65°	465
70°	192
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3276 cd/sqm



TEST NUMBER: P788891

CATALOG NUMBER: LER6D10D010-EC6DR200210IC9050-6LBS1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	471.3	40.5
10°-20°	464.1	39.9
20°-30°	151.6	13.0
30°-40°	51.6	4.4
40°-50°	17.4	1.5
50°-60°	5.2	0.4
60°-70°	1.8	0.2
70°-80°	0.1	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°	1087.0	93.5
0°-40°	1138.6	97.9
0°-60°	1161.2	99.8
0°-90°	1163.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1163.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6620	
5°	5950	471
15°	1646	464
25°	302	152
35°	78	52
45°	21	17
55°	5	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P788891

CATALOG NUMBER: LER6D10D010-EC6DR200210IC9050-6LBS1B

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6619.8
0.5°	6619.8
1°	6611.6
1.5°	6595.0
2°	6565.0
2.5°	6524.9
3°	6468.3
3.5°	6389.3
4°	6272.0
4.5°	6129.4
5°	5949.6
5.5°	5713.2
6°	5470.9
6.5°	5193.3
7°	4921.5
7.5°	4603.2
8°	4319.1
8.5°	4033.2
9°	3769.1
9.5°	3526.8
10°	3301.1
12.5°	2370.3
15°	1645.8
17.5°	1075.2
20°	677.9
22.5°	439.2
25°	301.8
27.5°	212.2
30°	152.7
32.5°	109.6
35°	77.8
37.5°	54.2
40°	38.9
42.5°	28.3
45°	21.2
47.5°	16.5
50°	11.2
52.5°	7.1
55°	5.3
57.5°	4.1
60°	2.9
62.5°	2.4
65°	1.8



TEST NUMBER: P788891

CATALOG NUMBER: LER6D10D010-EC6DR200210IC9050-6LBS1B

**CANDELA DISTRIBUTION (continued):**

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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





67.5°		1.2
70°		0.6

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

Scaled Data Report



(END OF REPORT)