

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: P789895

Luminaire Tested: LER6D15D010-EC6DR650215IC9024-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P789895  
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: LER6D15D010-EC6DR650215IC9024-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

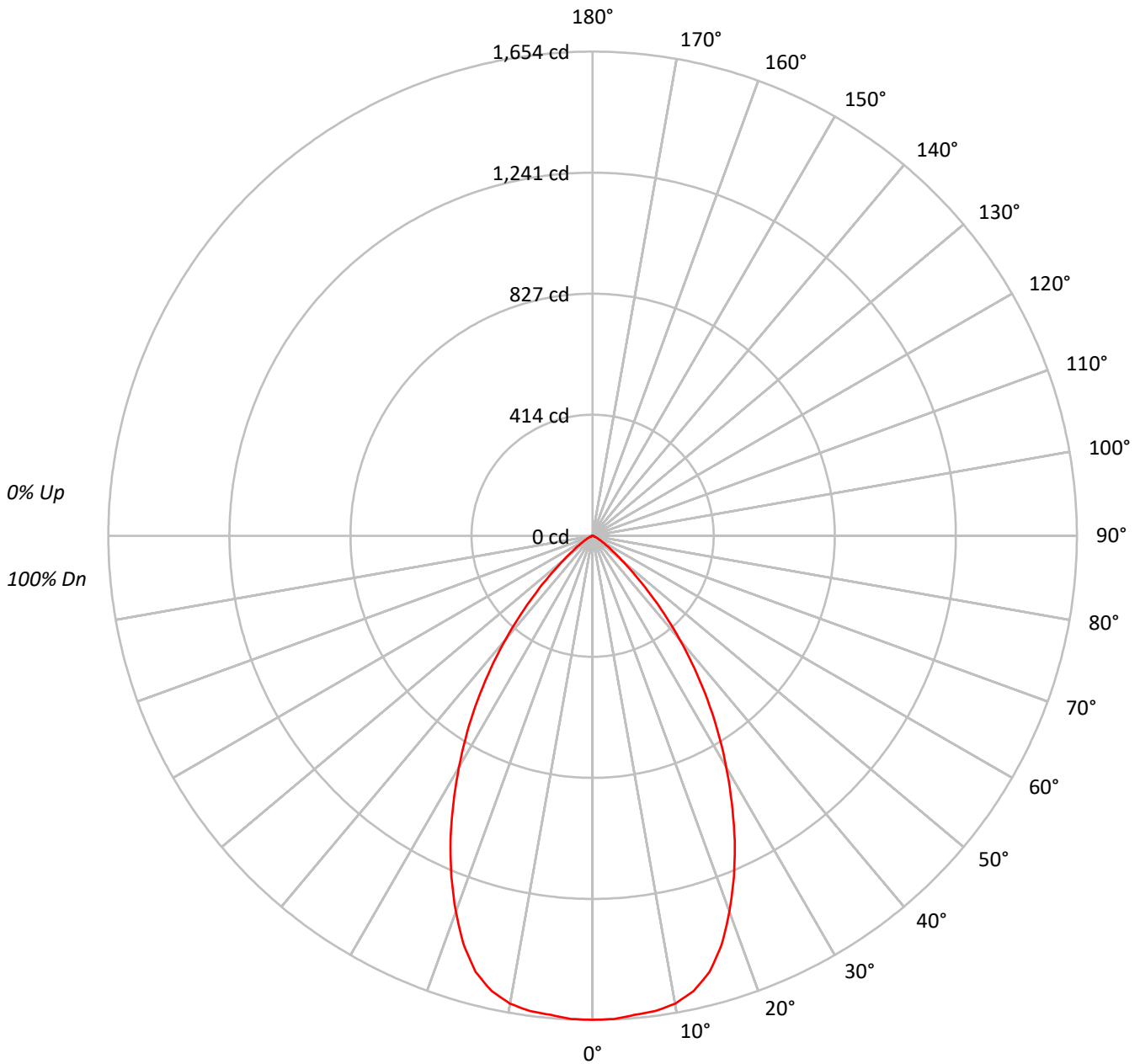
Lumens per Lamp: N/A  
Luminaire Lumens: 1821.1 lumens  
Efficiency: N/A  
Efficacy: 115.3 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 15.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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: P789895  
CATALOG NUMBER: LER6D15D010-EC6DR650215IC9024-6LBS1B

### Luminous Intensity Polar Plot





TEST NUMBER: P789895  
 CATALOG NUMBER: LER6D15D010-EC6DR650215IC9024-6LBS1B

**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	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°	96577
5°	96330
10°	96246
15°	93284
20°	84918
25°	74005
30°	61552
35°	48768
40°	35200
45°	22235
50°	11594
55°	6160
60°	3236
65°	1783
70°	751
75°	812
80°	572
85°	469

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 22235 cd/sqm



TEST NUMBER: P789895

CATALOG NUMBER: LER6D15D010-EC6DR650215IC9024-6LBS1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.4	8.6
10°-20°	428.2	23.5
20°-30°	523.4	28.7
30°-40°	424.7	23.3
40°-50°	211.6	11.6
50°-60°	59.0	3.2
60°-70°	13.4	0.7
70°-80°	3.5	0.2
80°-90°	0.9	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°	1108.0	60.8
0°-40°	1532.7	84.2
0°-60°	1803.4	99.0
0°-90°	1821.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1821.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1654	
5°	1643	156
15°	1543	428
25°	1148	523
35°	684	425
45°	269	212
55°	60	59
65°	13	13
75°	4	3
85°	1	1
90°	0	



TEST NUMBER: P789895

CATALOG NUMBER: LER6D15D010-EC6DR650215IC9024-6LBS1B

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1653.6
2.5°	1652.3
5°	1643.1
7.5°	1637.8
10°	1622.9
12.5°	1592.8
15°	1542.8
17.5°	1464.5
20°	1366.3
22.5°	1260.4
25°	1148.4
27.5°	1028.6
30°	912.7
32.5°	798.2
35°	684.0
37.5°	570.1
40°	461.7
42.5°	360.1
45°	269.2
47.5°	187.6
50°	127.6
52.5°	88.0
55°	60.5
57.5°	40.8
60°	27.7
62.5°	19.2
65°	12.9
67.5°	6.6
70°	4.4
72.5°	4.1
75°	3.6
77.5°	2.4
80°	1.7
82.5°	1.2
85°	0.7
87.5°	0.5
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)