

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: P791123

Luminaire Tested: LER6D25D010-EC6DR6520359040-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791123  
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: LER6D25D010-EC6DR6520359040-6LBS1B  
Description: 6 INCH ROUND SHALLOW 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: 4597.9 lumens  
Efficiency: N/A  
Efficacy: 183.2 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): 25.1  
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

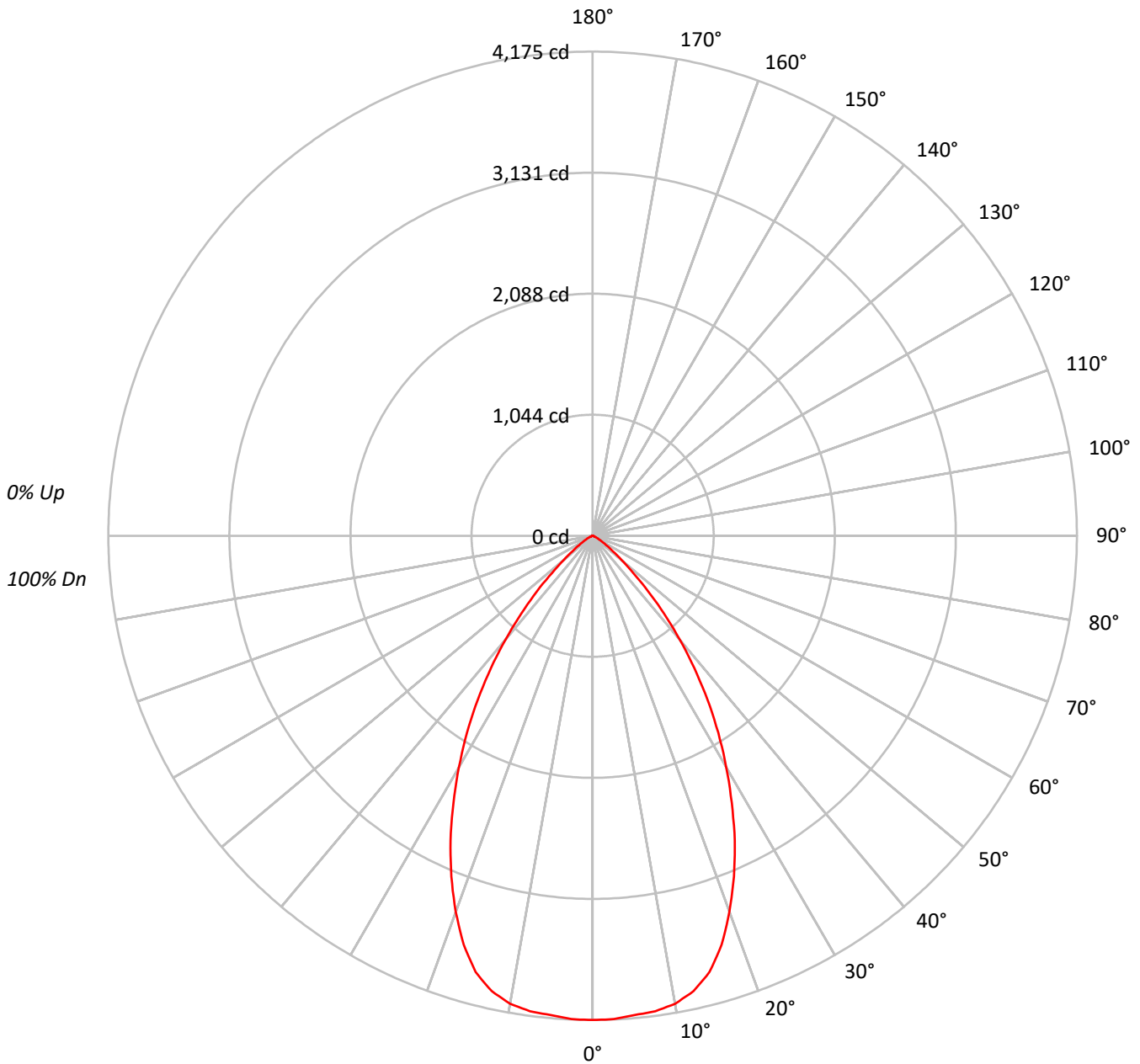


Downlight

TEST NUMBER: P791123

CATALOG NUMBER: LER6D25D010-EC6DR6520359040-6LBS1B

### Luminous Intensity Polar Plot





TEST NUMBER: P791123

CATALOG NUMBER: LER6D25D010-EC6DR6520359040-6LBS1B

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				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°	243824
5°	243208
10°	243002
15°	235508
20°	214400
25°	186835
30°	155400
35°	123132
40°	88866
45°	56140
50°	29266
55°	15559
60°	8165
65°	4491
70°	1878
75°	2076
80°	1446
85°	1206

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 56140 cd/sqm



TEST NUMBER: P791123

CATALOG NUMBER: LER6D25D010-EC6DR6520359040-6LBS1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	394.8	8.6
10°-20°	1081.1	23.5
20°-30°	1321.5	28.7
30°-40°	1072.2	23.3
40°-50°	534.3	11.6
50°-60°	149.0	3.2
60°-70°	33.9	0.7
70°-80°	8.8	0.2
80°-90°	2.2	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°	2797.4	60.8
0°-40°	3869.6	84.2
0°-60°	4553.0	99.0
0°-90°	4597.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4597.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4175	
5°	4148	395
15°	3895	1081
25°	2899	1321
35°	1727	1072
45°	680	534
55°	153	149
65°	32	34
75°	9	9
85°	2	2
90°	0	



TEST NUMBER: P791123

CATALOG NUMBER: LER6D25D010-EC6DR6520359040-6LBS1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4174.8
2.5°	4171.7
5°	4148.4
7.5°	4134.9
10°	4097.5
12.5°	4021.4
15°	3895.0
17.5°	3697.5
20°	3449.6
22.5°	3182.2
25°	2899.3
27.5°	2596.9
30°	2304.3
32.5°	2015.3
35°	1727.0
37.5°	1439.2
40°	1165.6
42.5°	909.2
45°	679.7
47.5°	473.6
50°	322.1
52.5°	222.1
55°	152.8
57.5°	103.1
60°	69.9
62.5°	48.5
65°	32.5
67.5°	16.6
70°	11.0
72.5°	10.4
75°	9.2
77.5°	6.1
80°	4.3
82.5°	3.1
85°	1.8
87.5°	1.2
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)