

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: P790823

Luminaire Tested: LER6D25D010-EC6DR3520359035-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790823  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D25D010-EC6DR3520359035-6LBDDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 35° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4319.4 lumens  
Efficiency: N/A  
Efficacy: 172.1 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

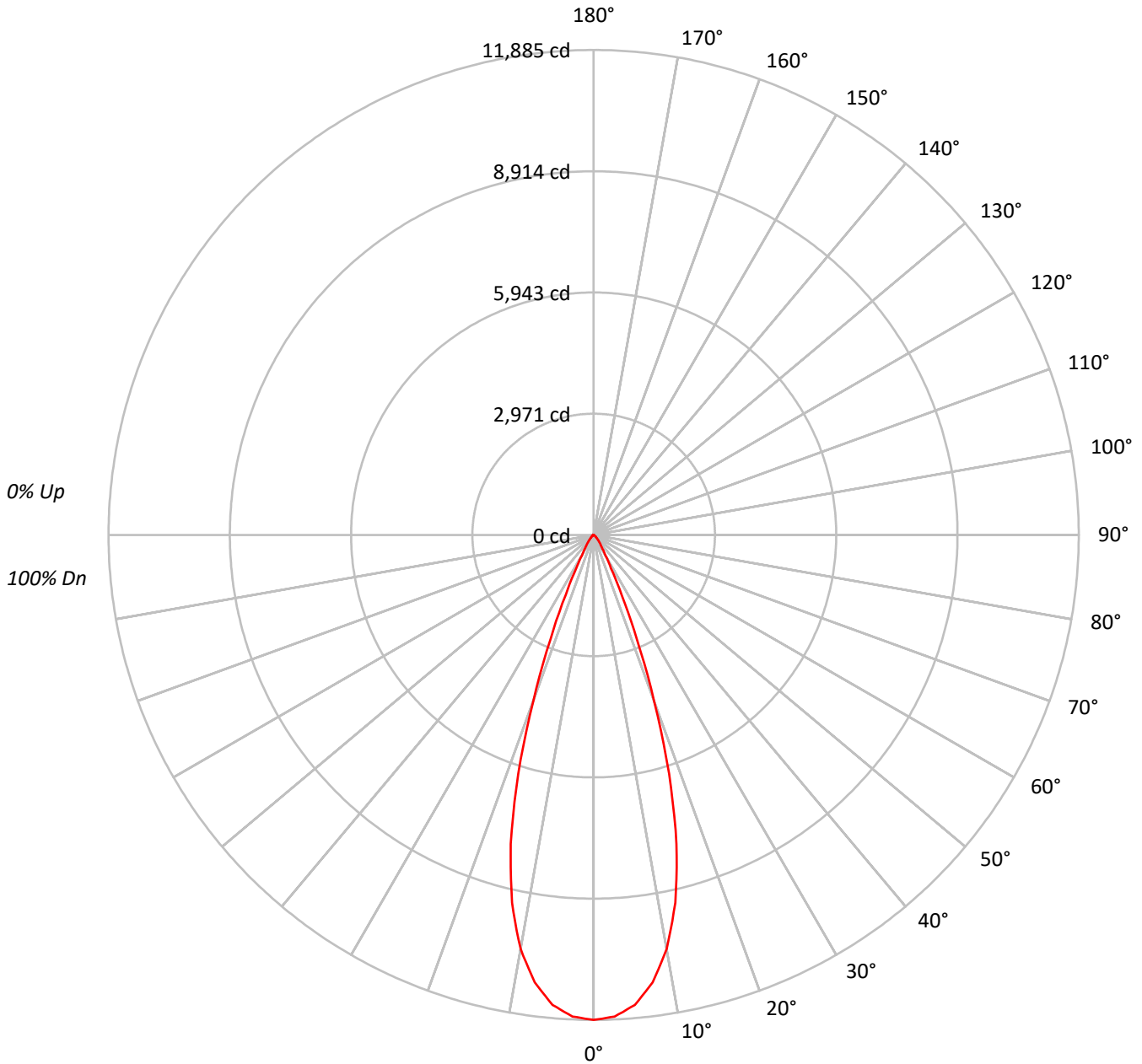
Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P790823  
CATALOG NUMBER: LER6D25D010-EC6DR3520359035-6LBDP1B

### Luminous Intensity Polar Plot





TEST NUMBER: P790823

CATALOG NUMBER: LER6D25D010-EC6DR3520359035-6LBDP1B

**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			100																
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96			96																
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92			92																
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88			88																
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84			84																
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81			81																
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78			78																
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75			75																
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72			72																
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70			70																
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68			68																

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

	0°
0°	1298564
5°	1268044
10°	1142847
15°	887037
20°	503113
25°	195735
30°	73023
35°	40028
40°	26158
45°	15931
50°	10131
55°	7162
60°	5245
65°	2844
70°	192
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 15931 cd/sqm



TEST NUMBER: P790823

CATALOG NUMBER: LER6D25D010-EC6DR3520359035-6LBDP1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1063.3	24.6
10°-20°	2076.1	48.1
20°-30°	846.7	19.6
30°-40°	202.6	4.7
40°-50°	84.4	2.0
50°-60°	35.0	0.8
60°-70°	10.9	0.3
70°-80°	0.2	0.0
80°-90°	0.2	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°	3986.1	92.3
0°-40°	4188.7	97.0
0°-60°	4308.1	99.7
0°-90°	4319.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4319.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11885	
5°	11562	###
15°	7842	2076
25°	1624	847
35°	300	203
45°	103	84
55°	38	35
65°	11	11
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P790823

CATALOG NUMBER: LER6D25D010-EC6DR3520359035-6LBDP1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11885.0
2.5°	11813.7
5°	11561.5
7.5°	11058.6
10°	10300.9
12.5°	9234.1
15°	7841.9
17.5°	6139.2
20°	4327.0
22.5°	2759.1
25°	1623.6
27.5°	917.8
30°	578.8
32.5°	406.4
35°	300.1
37.5°	232.0
40°	183.4
42.5°	141.3
45°	103.1
47.5°	77.1
50°	59.6
52.5°	47.3
55°	37.6
57.5°	30.5
60°	24.0
62.5°	17.5
65°	11.0
67.5°	3.9
70°	0.6
72.5°	0.6
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.6
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



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

Scaled Data Report



(END OF REPORT)