

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: P793609

Luminaire Tested: LER6D50D010-EC6DR6540509035-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P793609  
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: LER6D50D010-EC6DR6540509035-6LB DP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5354.4 lumens  
Efficiency: N/A  
Efficacy: 113.9 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

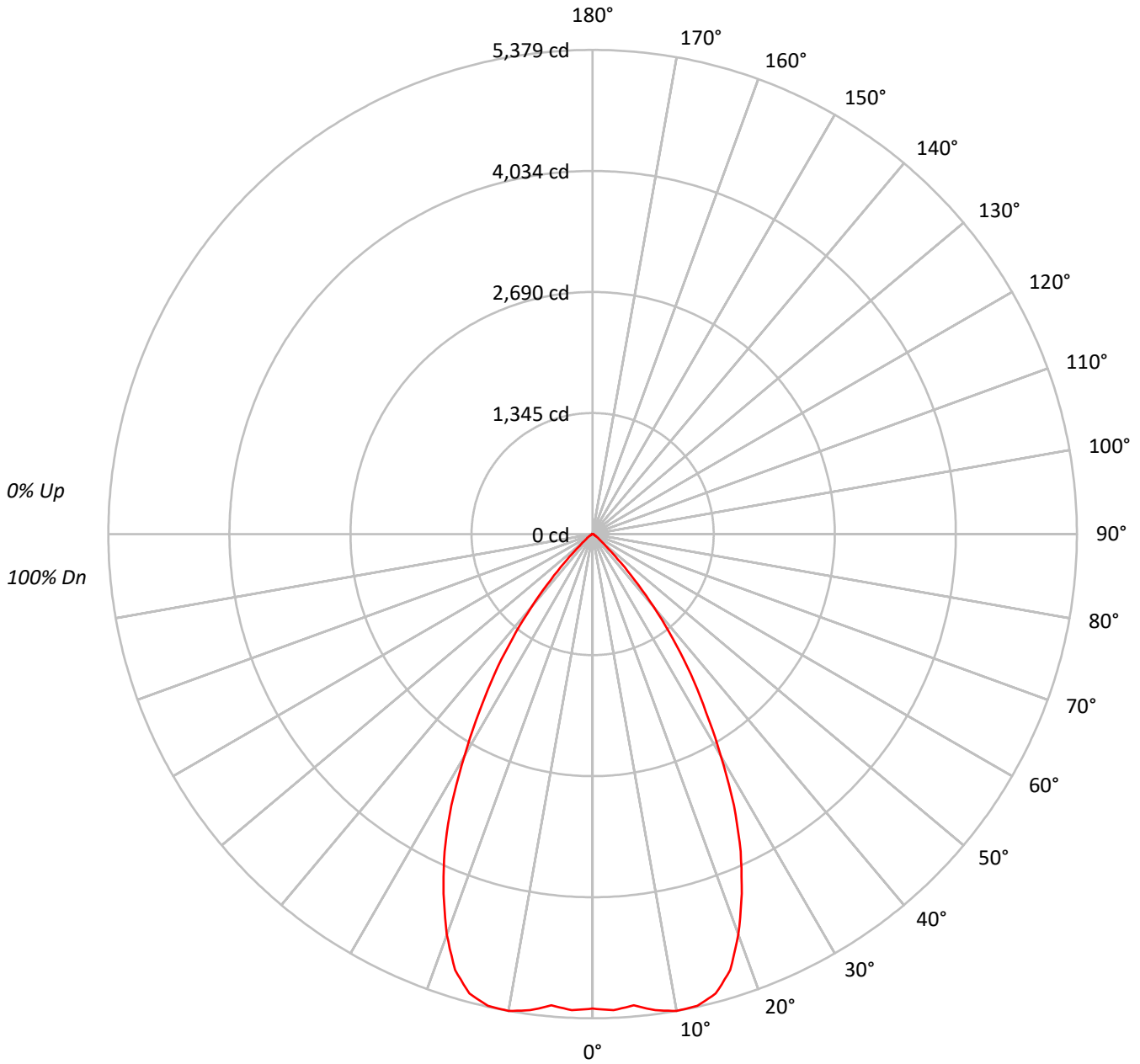
Input Watts (W): 47  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P793609  
CATALOG NUMBER: LER6D50D010-EC6DR6540509035-6LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P793609

CATALOG NUMBER: LER6D50D010-EC6DR6540509035-6LBDP1LI

**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°	576001
5°	576479
10°	596769
15°	597757
20°	550343
25°	468914
30°	358973
35°	253614
40°	149704
45°	60772
50°	22029
55°	12268
60°	7036
65°	3878
70°	4057
75°	3166
80°	3272
85°	2758

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 60772 cd/sqm



TEST NUMBER: P793609

CATALOG NUMBER: LER6D50D010-EC6DR6540509035-6LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	507.6	9.5
10°-20°	1464.3	27.3
20°-30°	1756.9	32.8
30°-40°	1180.7	22.1
40°-50°	353.4	6.6
50°-60°	62.4	1.2
60°-70°	17.7	0.3
70°-80°	8.7	0.2
80°-90°	2.7	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°	3728.8	69.6
0°-40°	4909.4	91.7
0°-60°	5325.3	99.5
0°-90°	5354.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5354.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5272	
5°	5256	508
15°	5284	1464
25°	3890	1757
35°	1901	1181
45°	393	353
55°	64	62
65°	15	18
75°	8	9
85°	2	3
90°	0	



TEST NUMBER: P793609

CATALOG NUMBER: LER6D50D010-EC6DR6540509035-6LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5271.8
2.5°	5294.3
5°	5256.1
7.5°	5335.5
10°	5378.9
12.5°	5368.4
15°	5284.5
17.5°	5079.3
20°	4733.2
22.5°	4325.6
25°	3889.6
27.5°	3397.4
30°	2845.3
32.5°	2344.9
35°	1901.4
37.5°	1463.1
40°	1049.6
42.5°	685.5
45°	393.3
47.5°	208.3
50°	129.6
52.5°	89.9
55°	64.4
57.5°	46.4
60°	32.2
62.5°	21.0
65°	15.0
67.5°	13.5
70°	12.7
72.5°	9.7
75°	7.5
77.5°	6.7
80°	5.2
82.5°	3.7
85°	2.2
87.5°	1.5
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)