

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: P793544

Luminaire Tested: LER6D50D010-EC6DR6040509027-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P793544  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D50D010-EC6DR6040509027-6LB DP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5605.9 lumens  
Efficiency: N/A  
Efficacy: 119.3 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
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

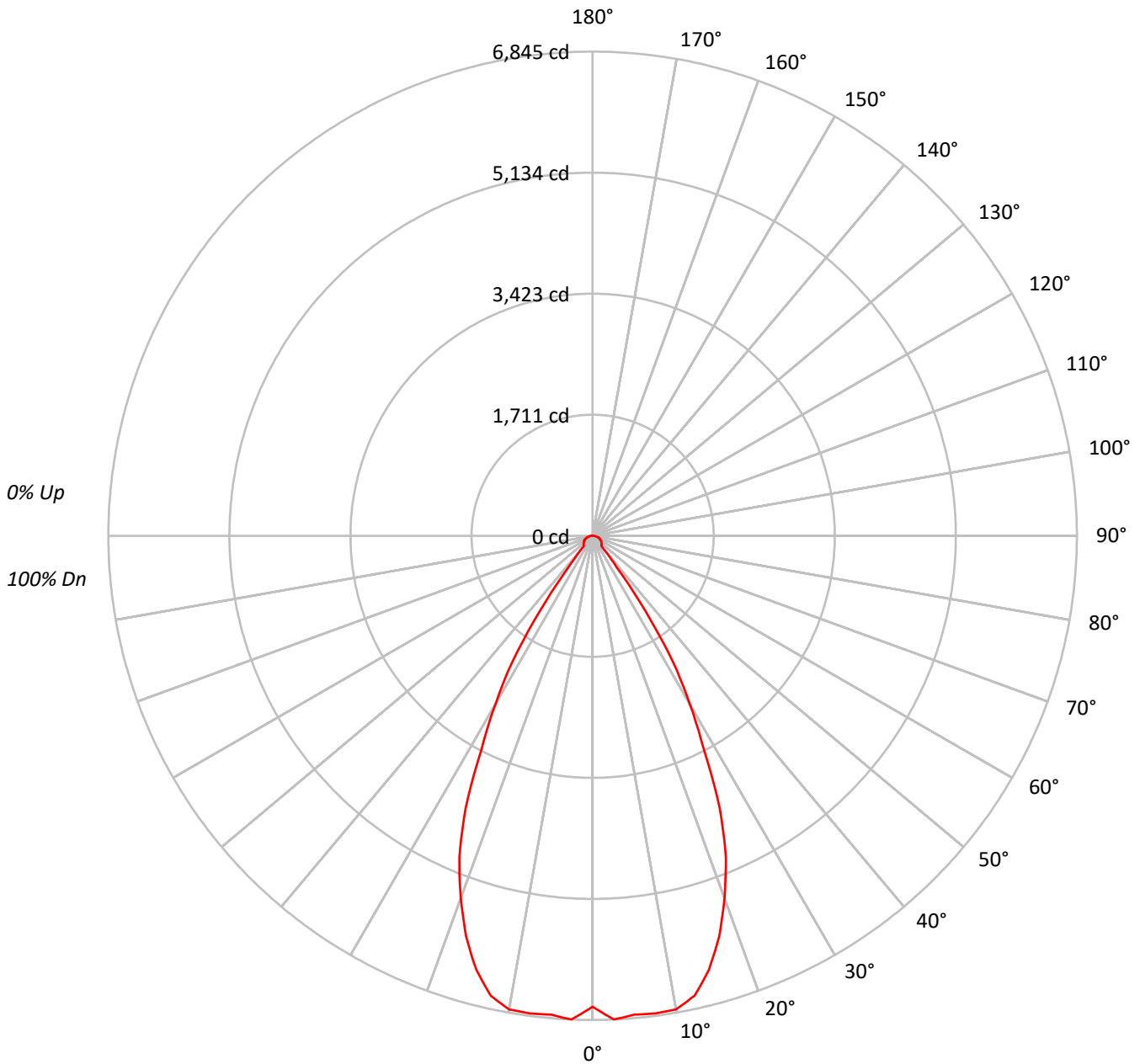


Downlight

TEST NUMBER: P793544

CATALOG NUMBER: LER6D50D010-EC6DR6040509027-6LBDP1H

### Luminous Intensity Polar Plot





TEST NUMBER: P793544

CATALOG NUMBER: LER6D50D010-EC6DR6040509027-6LBDP1H

**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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

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

	0°
0°	727425
5°	745318
10°	754313
15°	718586
20°	633571
25°	512459
30°	346634
35°	173704
40°	28169
45°	27581
50°	28132
55°	28554
60°	29347
65°	30016
70°	30732
75°	31070
80°	30013
85°	24947

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 31070 cd/sqm



TEST NUMBER: P793544

CATALOG NUMBER: LER6D50D010-EC6DR6040509027-6LBDP1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	649.5	11.6
10°-20°	1757.2	31.3
20°-30°	1890.6	33.7
30°-40°	821.8	14.7
40°-50°	138.0	2.5
50°-60°	134.2	2.4
60°-70°	114.8	2.0
70°-80°	76.8	1.4
80°-90°	23.0	0.4
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°	4297.3	76.7
0°-40°	5119.1	91.3
0°-60°	5391.3	96.2
0°-90°	5605.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5605.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6658	
5°	6796	649
15°	6353	1757
25°	4251	1891
35°	1302	822
45°	178	138
55°	150	134
65°	116	115
75°	74	77
85°	20	23
90°	0	



TEST NUMBER: P793544

CATALOG NUMBER: LER6D50D010-EC6DR6040509027-6LBDP1H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6657.7
2.5°	6844.9
5°	6795.5
7.5°	6811.1
10°	6798.9
12.5°	6658.6
15°	6352.7
17.5°	5942.0
20°	5449.0
22.5°	4921.4
25°	4250.8
27.5°	3399.9
30°	2747.5
32.5°	2117.6
35°	1302.3
37.5°	557.1
40°	197.5
42.5°	182.0
45°	178.5
47.5°	172.4
50°	165.5
52.5°	157.7
55°	149.9
57.5°	142.1
60°	134.3
62.5°	125.6
65°	116.1
67.5°	106.6
70°	96.2
72.5°	84.9
75°	73.6
77.5°	60.7
80°	47.7
82.5°	33.8
85°	19.9
87.5°	6.9
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)