

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: P793664

Luminaire Tested: LER6D50D010-EC6DR7040509040-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P793664  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D50D010-EC6DR7040509040-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6149.0 lumens  
Efficiency: N/A  
Efficacy: 130.8 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

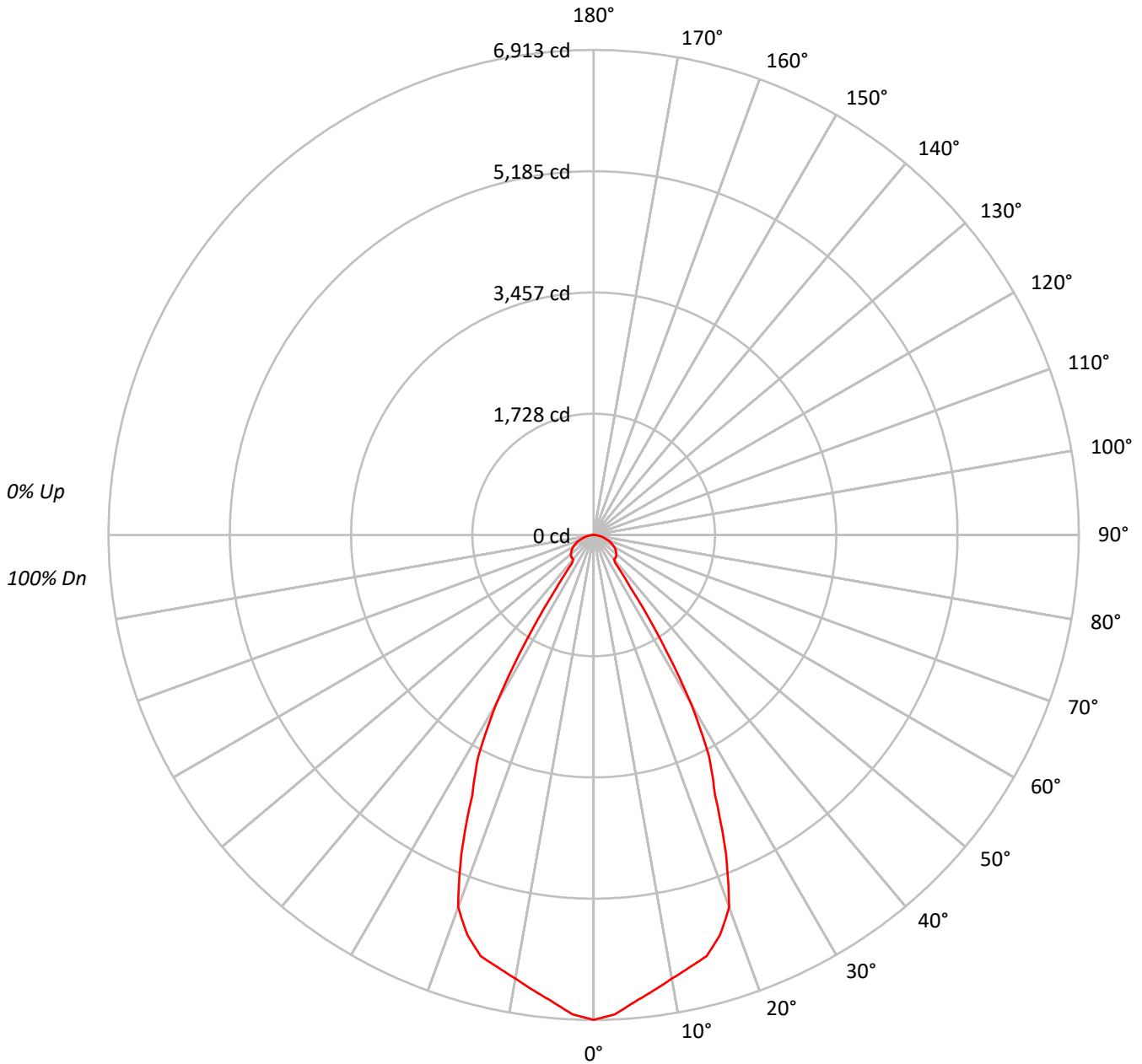
Input Watts (W): 47  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P793664  
CATALOG NUMBER: LER6D50D010-EC6DR7040509040-6LBDP1H

### Luminous Intensity Polar Plot





TEST NUMBER: P793664

CATALOG NUMBER: LER6D50D010-EC6DR7040509040-6LBDP1H

**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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

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

	0°
0°	755352
5°	732913
10°	712475
15°	703135
20°	656581
25°	493254
30°	348691
35°	123512
40°	64939
45°	69178
50°	71629
55°	72977
60°	73423
65°	71872
70°	67821
75°	62858
80°	55811
85°	45256

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 73451 cd/sqm



TEST NUMBER: P793664

CATALOG NUMBER: LER6D50D010-EC6DR7040509040-6LBDP1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	630.3	10.3
10°-20°	1728.9	28.1
20°-30°	1904.1	31.0
30°-40°	727.5	11.8
40°-50°	343.5	5.6
50°-60°	341.5	5.6
60°-70°	273.4	4.4
70°-80°	157.1	2.6
80°-90°	42.7	0.7
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°	4263.2	69.3
0°-40°	4990.7	81.2
0°-60°	5675.7	92.3
0°-90°	6149.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6149.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6913	
5°	6682	630
15°	6216	1729
25°	4092	1904
35°	926	727
45°	448	344
55°	383	341
65°	278	273
75°	149	157
85°	36	43
90°	0	



TEST NUMBER: P793664

CATALOG NUMBER: LER6D50D010-EC6DR7040509040-6LBDP1H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6913.3
2.5°	6841.1
5°	6682.4
7.5°	6549.9
10°	6421.8
12.5°	6313.5
15°	6216.1
17.5°	5980.7
20°	5646.9
22.5°	4926.7
25°	4091.5
27.5°	3561.7
30°	2763.8
32.5°	1785.2
35°	926.0
37.5°	500.2
40°	455.3
42.5°	452.1
45°	447.7
47.5°	437.8
50°	421.4
52.5°	402.8
55°	383.1
57.5°	361.2
60°	336.0
62.5°	307.6
65°	278.0
67.5°	245.2
70°	212.3
72.5°	179.5
75°	148.9
77.5°	117.1
80°	88.7
82.5°	62.4
85°	36.1
87.5°	14.2
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)