

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: P793569

Luminaire Tested: LER6D50D010-EC6DR6040509040-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P793569  
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-EC6DR6040509040-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6414.4 lumens  
Efficiency: N/A  
Efficacy: 136.5 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

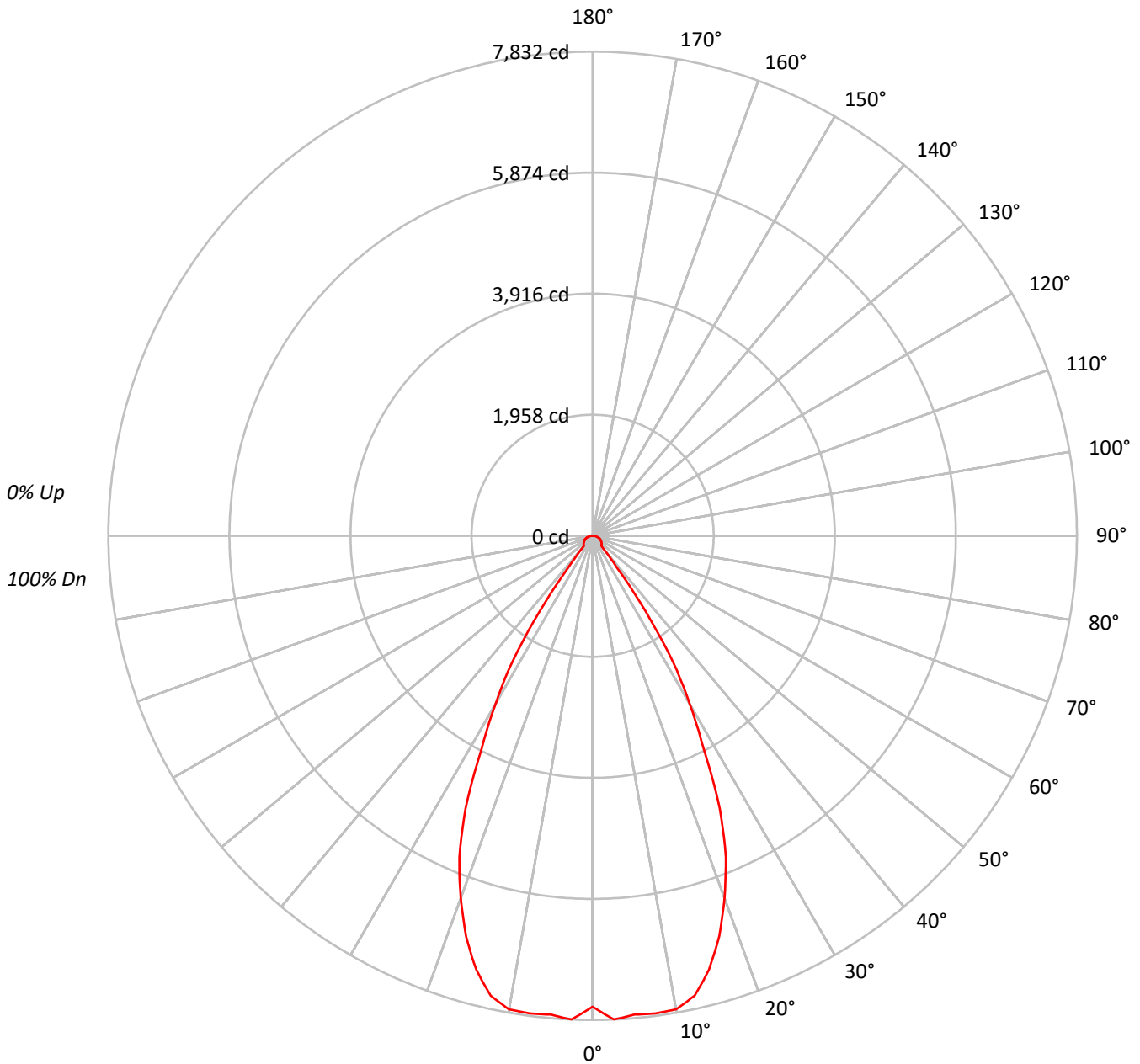
Input Watts (W): 47  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P793569  
CATALOG NUMBER: LER6D50D010-EC6DR6040509040-6LBPD1LI

### Luminous Intensity Polar Plot





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**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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

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

	0°
0°	832348
5°	852813
10°	863118
15°	822233
20°	724961
25°	586360
30°	396620
35°	198754
40°	32234
45°	31553
50°	32194
55°	32669
60°	33587
65°	34333
70°	35140
75°	35587
80°	34292
85°	28583

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 35587 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	743.1	11.6
10°-20°	2010.7	31.3
20°-30°	2163.3	33.7
30°-40°	940.3	14.7
40°-50°	157.9	2.5
50°-60°	153.6	2.4
60°-70°	131.3	2.0
70°-80°	87.9	1.4
80°-90°	26.3	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°	4917.1	76.7
0°-40°	5857.4	91.3
0°-60°	6168.9	96.2
0°-90°	6414.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6414.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7618	
5°	7776	743
15°	7269	2011
25°	4864	2163
35°	1490	940
45°	204	158
55°	172	154
65°	133	131
75°	84	88
85°	23	26
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7618.0
2.5°	7832.1
5°	7775.6
7.5°	7793.4
10°	7779.6
12.5°	7619.0
15°	7269.0
17.5°	6799.1
20°	6235.0
22.5°	5631.2
25°	4863.8
27.5°	3890.3
30°	3143.7
32.5°	2423.0
35°	1490.1
37.5°	637.5
40°	226.0
42.5°	208.2
45°	204.2
47.5°	197.3
50°	189.4
52.5°	180.4
55°	171.5
57.5°	162.6
60°	153.7
62.5°	143.8
65°	132.8
67.5°	121.9
70°	110.0
72.5°	97.2
75°	84.3
77.5°	69.4
80°	54.5
82.5°	38.7
85°	22.8
87.5°	7.9
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

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— 0°-180°

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(END OF REPORT)