

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: P789137

Luminaire Tested: LER6D10D010-EC6DR500210IC9024-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P789137  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D10D010-EC6DR500210IC9024-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 50° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1723.8 lumens  
Efficiency: N/A  
Efficacy: 147.3 lumens/watt  
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

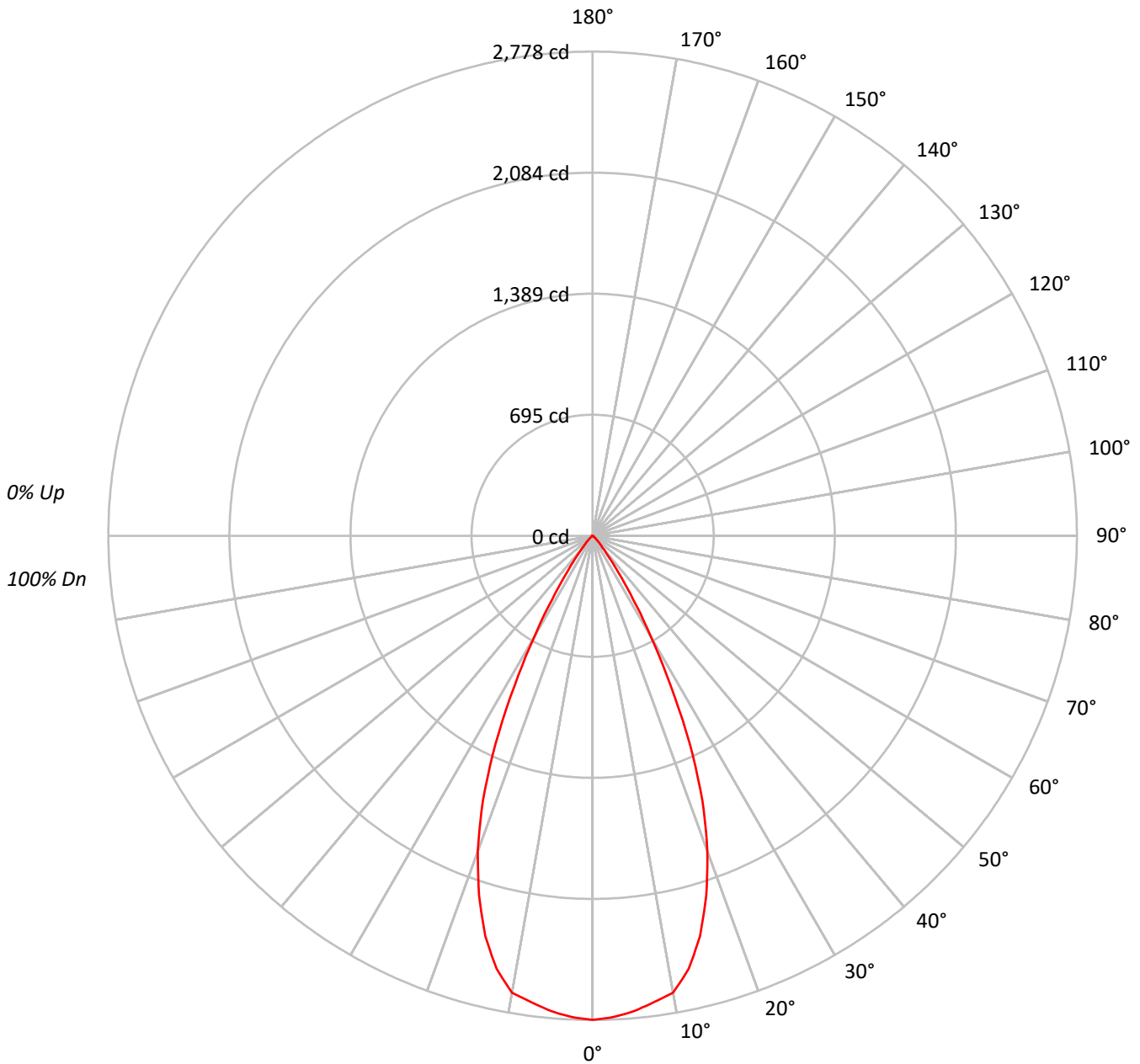
Input Watts (W): 11.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				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	100	100
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95	95	95	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90	90	90	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85	85	85	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80	80	80	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76	76	76	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72	72	72	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69	69
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65	65	65	65
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62	62	62	62
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59	59	59	59

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

	0°
0°	303472
5°	300288
10°	295339
15°	268931
20°	223779
25°	158857
30°	84075
35°	34266
40°	12723
45°	5825
50°	2397
55°	1257
60°	612
65°	181
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5825 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.8	15.0
10°-20°	654.0	37.9
20°-30°	587.5	34.1
30°-40°	183.9	10.7
40°-50°	32.2	1.9
50°-60°	6.4	0.4
60°-70°	0.9	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	1500.3	87.0
0°-40°	1684.2	97.7
0°-60°	1722.8	99.9
0°-90°	1723.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1723.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2778	
5°	2738	259
15°	2378	654
25°	1318	587
35°	257	184
45°	38	32
55°	7	6
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2777.5
2.5°	2763.7
5°	2737.9
7.5°	2698.6
10°	2662.0
12.5°	2545.0
15°	2377.5
17.5°	2164.9
20°	1924.6
22.5°	1646.7
25°	1317.7
27.5°	968.8
30°	666.4
32.5°	433.9
35°	256.9
37.5°	147.5
40°	89.2
42.5°	58.1
45°	37.7
47.5°	22.9
50°	14.1
52.5°	9.6
55°	6.6
57.5°	4.4
60°	2.8
62.5°	1.6
65°	0.7
67.5°	0.2
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
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

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— 0°-180°

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(END OF REPORT)