

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: P789265

Luminaire Tested: LER6D10D010-EC6DR600210IC9040-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P789265  
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: LER6D10D010-EC6DR600210IC9040-6LBDP1LI  
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: 2072.2 lumens  
Efficiency: N/A  
Efficacy: 177.1 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

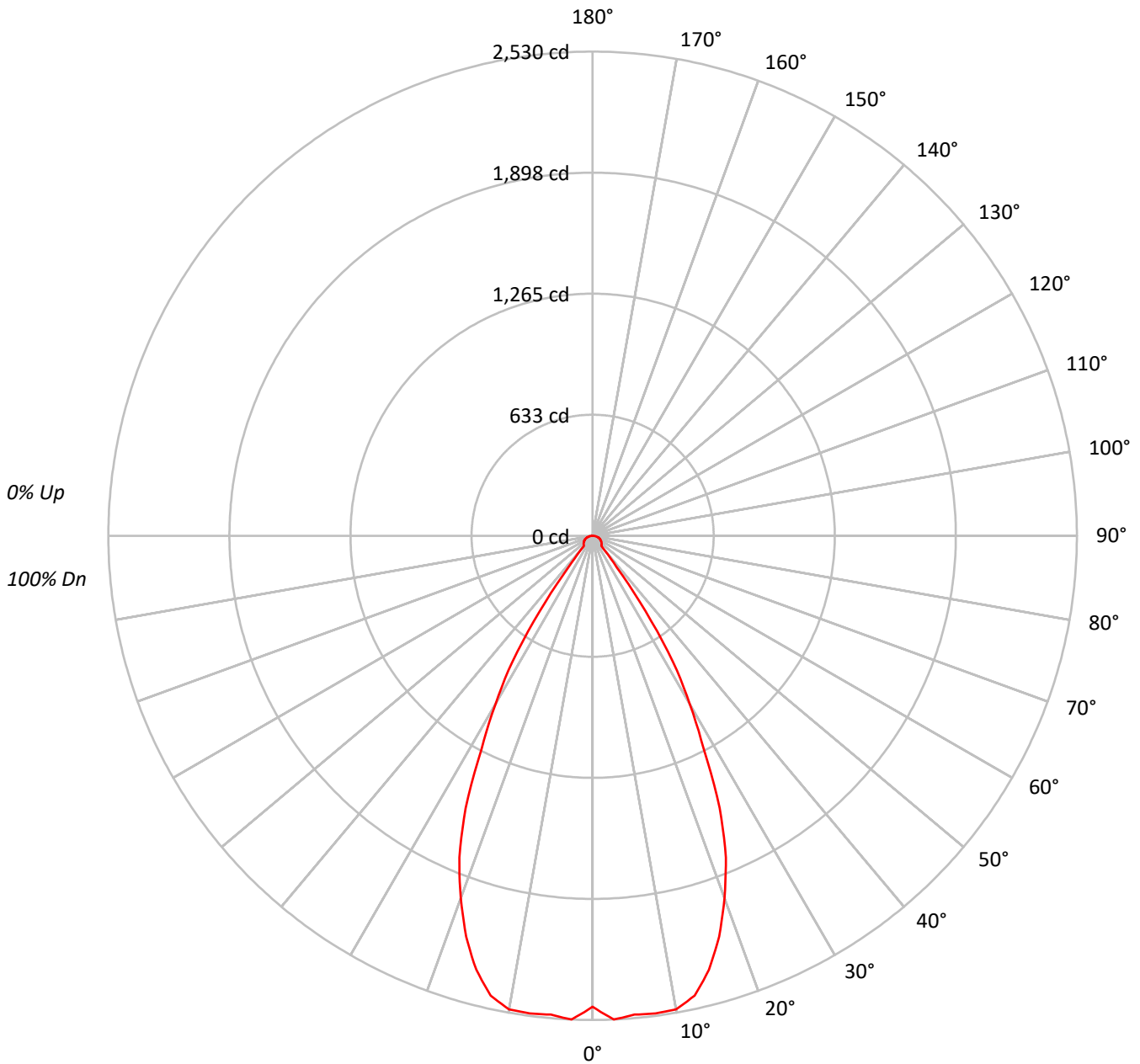
Input Watts (W): 11.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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°	268891
5°	275500
10°	278830
15°	265628
20°	234197
25°	189429
30°	128132
35°	64210
40°	10412
45°	10198
50°	10403
55°	10553
60°	10839
65°	11091
70°	11373
75°	11483
80°	11074
85°	9277

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 11483 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.1	11.6
10°-20°	649.5	31.3
20°-30°	698.9	33.7
30°-40°	303.8	14.7
40°-50°	51.0	2.5
50°-60°	49.6	2.4
60°-70°	42.4	2.0
70°-80°	28.4	1.4
80°-90°	8.5	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°	1588.5	76.7
0°-40°	1892.3	91.3
0°-60°	1992.9	96.2
0°-90°	2072.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2072.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2461	
5°	2512	240
15°	2348	650
25°	1571	699
35°	481	304
45°	66	51
55°	55	50
65°	43	42
75°	27	28
85°	7	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2461.0
2.5°	2530.2
5°	2511.9
7.5°	2517.7
10°	2513.2
12.5°	2461.3
15°	2348.3
17.5°	2196.5
20°	2014.2
22.5°	1819.2
25°	1571.3
27.5°	1256.8
30°	1015.6
32.5°	782.8
35°	481.4
37.5°	205.9
40°	73.0
42.5°	67.3
45°	66.0
47.5°	63.7
50°	61.2
52.5°	58.3
55°	55.4
57.5°	52.5
60°	49.6
62.5°	46.4
65°	42.9
67.5°	39.4
70°	35.6
72.5°	31.4
75°	27.2
77.5°	22.4
80°	17.6
82.5°	12.5
85°	7.4
87.5°	2.6
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)