

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: P789336

Luminaire Tested: LER6D10D010-EC6DR700210IC9027-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P789336  
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: LER6D10D010-EC6DR700210IC9027-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

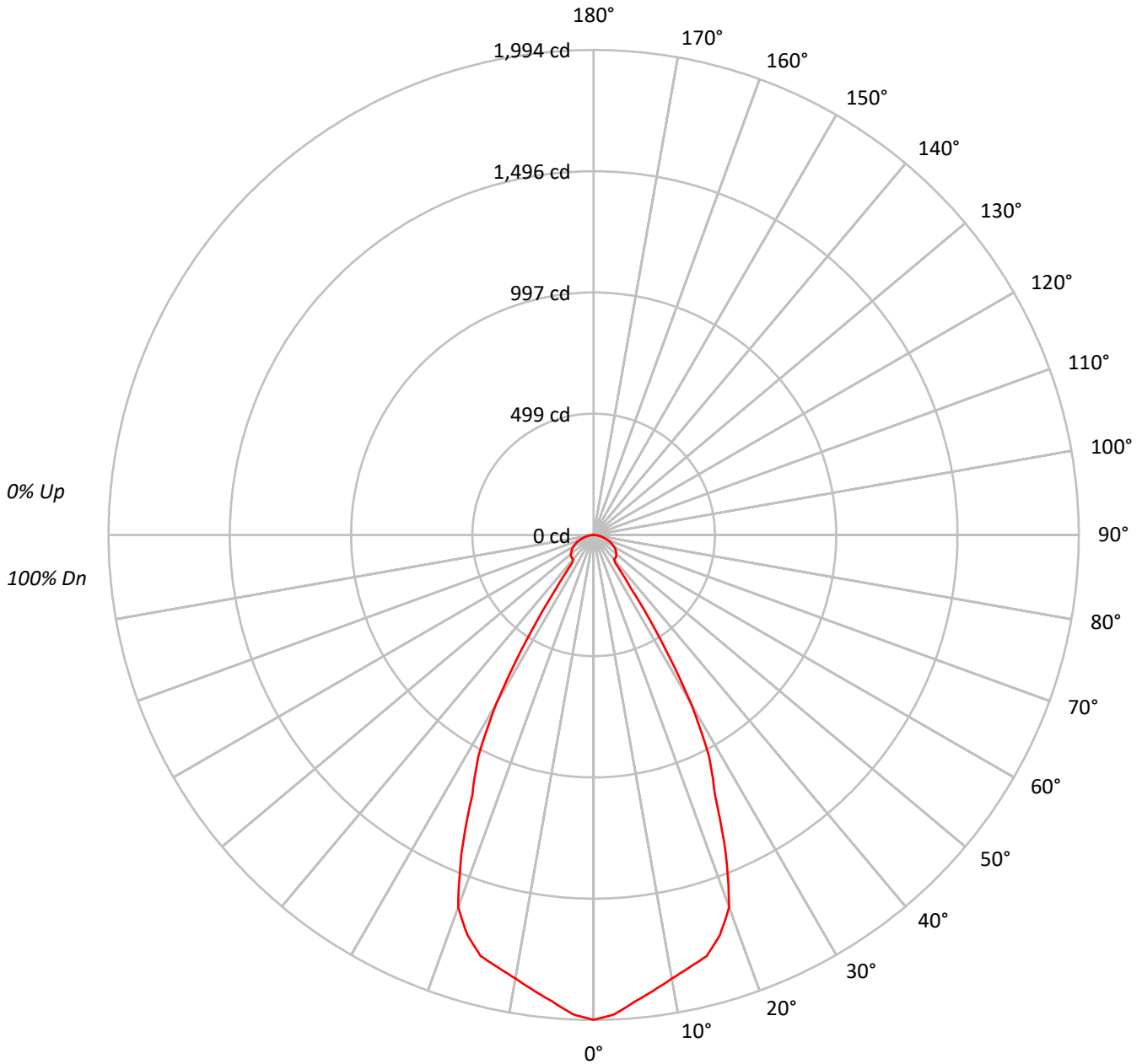
Lumens per Lamp: N/A  
Luminaire Lumens: 1773.4 lumens  
Efficiency: N/A  
Efficacy: 151.6 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 11.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	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°	217833
5°	211361
10°	205473
15°	202781
20°	189350
25°	142256
30°	100565
35°	35627
40°	18727
45°	19948
50°	20653
55°	21049
60°	21175
65°	20734
70°	19551
75°	18110
80°	16108
85°	13038

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 21189 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.8	10.2
10°-20°	498.6	28.1
20°-30°	549.1	31.0
30°-40°	209.8	11.8
40°-50°	99.1	5.6
50°-60°	98.5	5.6
60°-70°	78.8	4.4
70°-80°	45.3	2.6
80°-90°	12.3	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°	1229.5	69.3
0°-40°	1439.3	81.2
0°-60°	1636.9	92.3
0°-90°	1773.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1773.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1994	
5°	1927	182
15°	1793	499
25°	1180	549
35°	267	210
45°	129	99
55°	110	99
65°	80	79
75°	43	45
85°	10	12
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1993.7
2.5°	1972.9
5°	1927.1
7.5°	1888.9
10°	1852.0
12.5°	1820.8
15°	1792.7
17.5°	1724.8
20°	1628.5
22.5°	1420.8
25°	1180.0
27.5°	1027.2
30°	797.1
32.5°	514.9
35°	267.1
37.5°	144.3
40°	131.3
42.5°	130.4
45°	129.1
47.5°	126.3
50°	121.5
52.5°	116.2
55°	110.5
57.5°	104.2
60°	96.9
62.5°	88.7
65°	80.2
67.5°	70.7
70°	61.2
72.5°	51.8
75°	42.9
77.5°	33.8
80°	25.6
82.5°	18.0
85°	10.4
87.5°	4.1
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)