

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: P791729

Luminaire Tested: LER6D30D010-EC6DR7020359030-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791729  
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: LER6D30D010-EC6DR7020359030-6LBDDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5895.5 lumens  
Efficiency: N/A  
Efficacy: 203.3 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

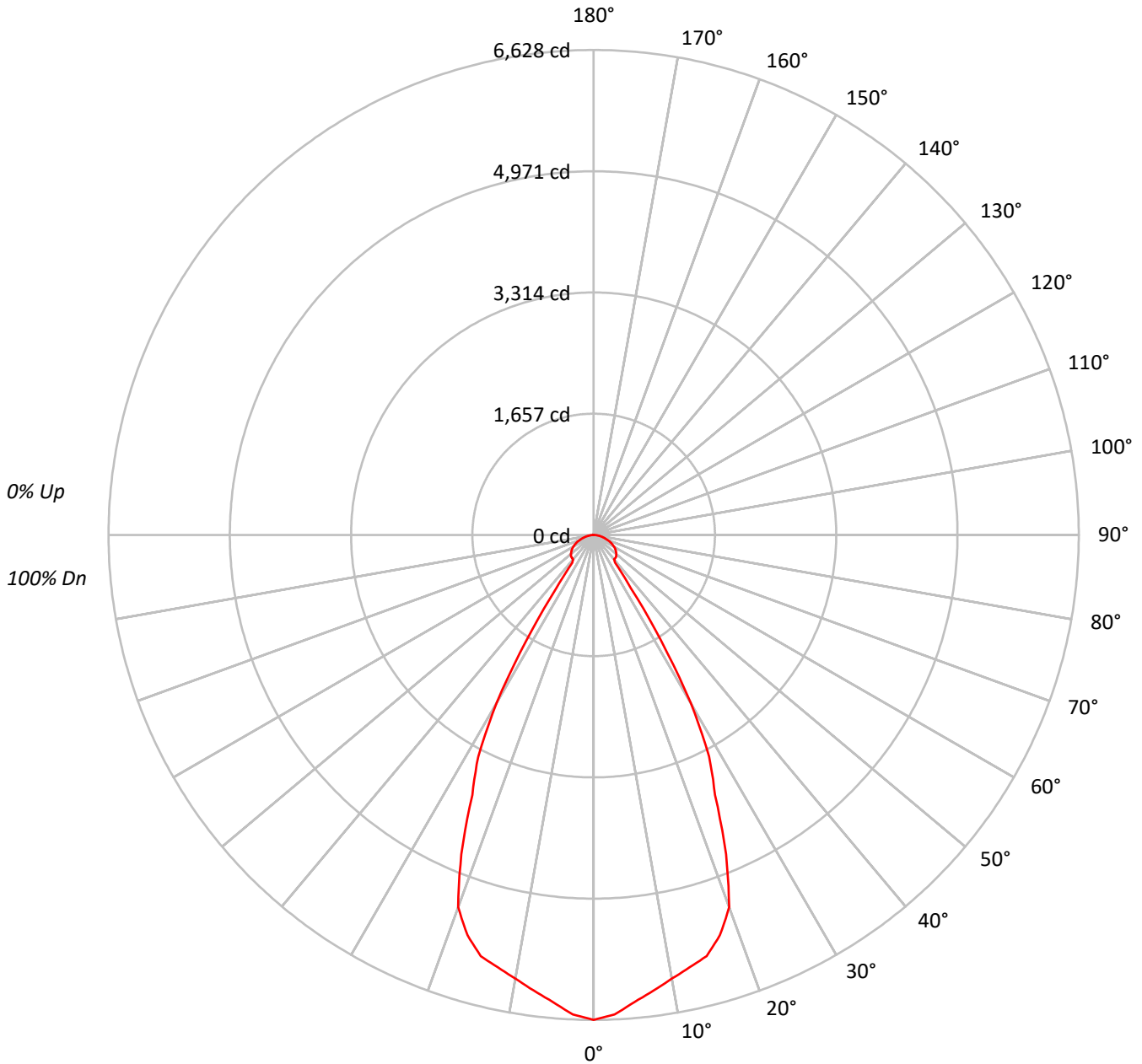
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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			
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°	724213
5°	702697
10°	683107
15°	674143
20°	629513
25°	472917
30°	334321
35°	118417
40°	62272
45°	66319
50°	68672
55°	69967
60°	70408
65°	68925
70°	65041
75°	60241
80°	53483
85°	43375

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 70421 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	604.3	10.3
10°-20°	1657.6	28.1
20°-30°	1825.6	31.0
30°-40°	697.5	11.8
40°-50°	329.3	5.6
50°-60°	327.4	5.6
60°-70°	262.2	4.4
70°-80°	150.7	2.6
80°-90°	40.9	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°	4087.5	69.3
0°-40°	4785.0	81.2
0°-60°	5441.8	92.3
0°-90°	5895.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5895.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6628	
5°	6407	604
15°	5960	1658
25°	3923	1826
35°	888	698
45°	429	329
55°	367	327
65°	267	262
75°	143	151
85°	35	41
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6628.3
2.5°	6559.1
5°	6406.9
7.5°	6279.9
10°	6157.1
12.5°	6053.2
15°	5959.8
17.5°	5734.2
20°	5414.1
22.5°	4723.6
25°	3922.8
27.5°	3414.9
30°	2649.9
32.5°	1711.7
35°	887.8
37.5°	479.6
40°	436.6
42.5°	433.4
45°	429.2
47.5°	419.8
50°	404.0
52.5°	386.2
55°	367.3
57.5°	346.3
60°	322.2
62.5°	294.9
65°	266.6
67.5°	235.1
70°	203.6
72.5°	172.1
75°	142.7
77.5°	112.3
80°	85.0
82.5°	59.8
85°	34.6
87.5°	13.6
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)