

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P791191

Luminaire Tested: LER6D30D010-EC6DR1515309027-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791191  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D30D010-EC6DR1515309027-6LBDDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2913.1 lumens  
Efficiency: N/A  
Efficacy: 100.5 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
CIE Type: Direct

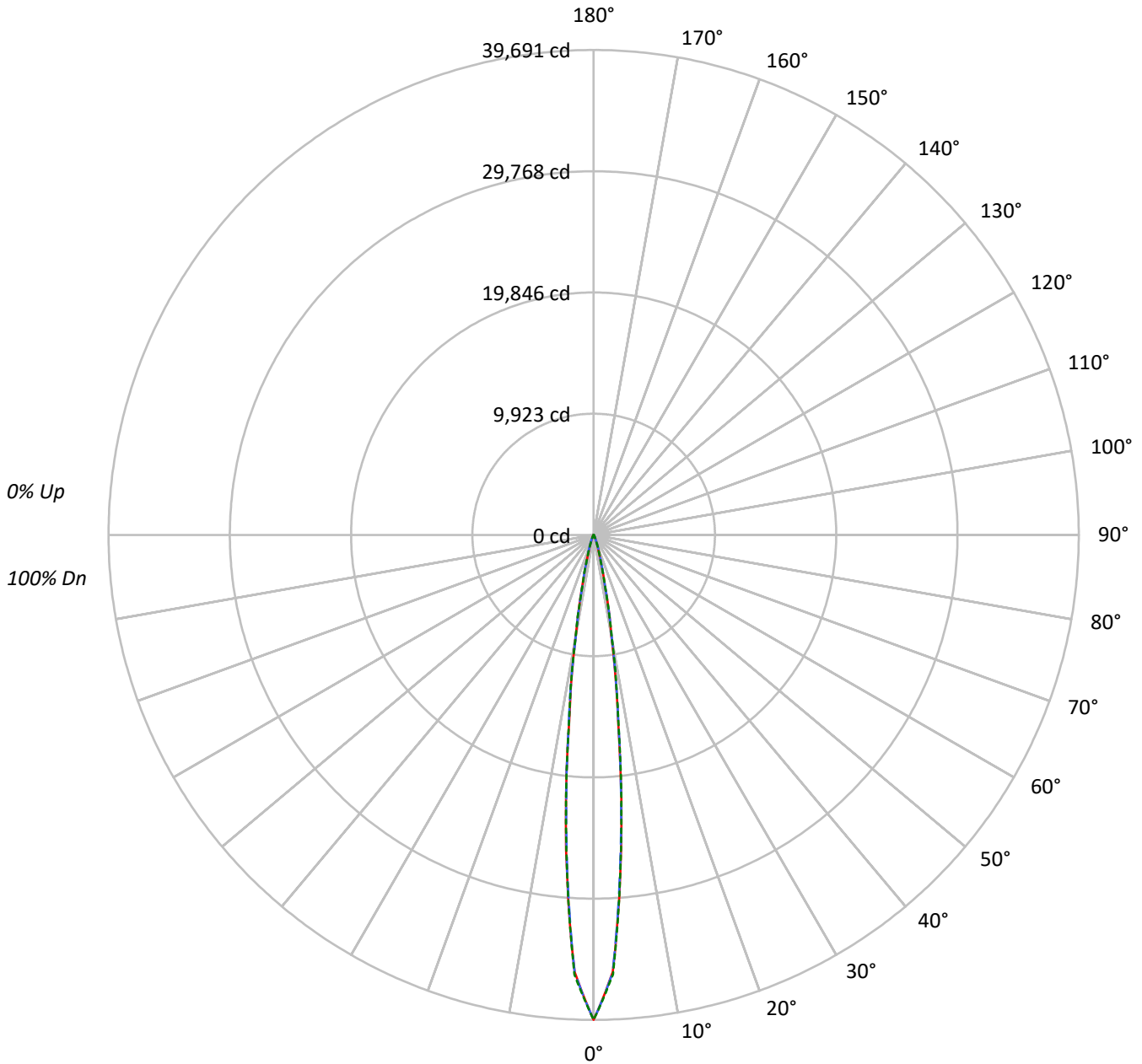
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

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

	0°	45°	90°
0°	4465996	4465996	4465996
5°	2624424	2590450	2610938
10°	783271	788757	800831
15°	194829	198624	192492
20°	58291	67504	59526
25°	20550	26175	20815
30°	7548	9937	7675
35°	3783	4270	3660
40°	2386	2628	2386
45°	1764	1883	1764
50°	1405	1405	1405
55°	1169	1169	1169
60°	941	941	941
65°	721	721	721
70°	614	614	614
75°	378	378	506
80°	268	268	268
85°	141	141	141

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1883 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1889.4	64.9
10°-20°	777.1	26.7
20°-30°	154.4	5.3
30°-40°	38.5	1.3
40°-50°	20.2	0.7
50°-60°	15.0	0.5
60°-70°	10.6	0.4
70°-80°	6.0	0.2
80°-90°	1.8	0.1
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°	2820.8	96.8
0°-40°	2859.4	98.2
0°-60°	2894.6	99.4
0°-90°	2913.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2913.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	39691	39691	39691	39691	39691	
5°	25824	25558	25489	25666	25691	1886
15°	2243	2285	2287	2246	2216	769
25°	264	299	336	297	267	139
35°	52	55	59	55	50	35
45°	25	25	27	25	25	20
55°	17	17	17	17	17	15
65°	10	10	10	10	10	11
75°	5	5	5	5	7	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	39690.7	39690.7	39690.7	39690.7	39690.7
2.5°	35802.6	35832.8	35844.6	35879.9	36010.9
5°	25823.6	25558.1	25489.3	25665.7	25690.9
7.5°	15296.9	15350.7	15547.3	15591.0	15433.0
10°	8394.5	8463.4	8453.3	8513.8	8582.7
12.5°	4293.0	4239.2	4222.4	4291.3	4195.6
15°	2243.1	2285.1	2286.8	2246.5	2216.2
17.5°	1206.4	1255.1	1335.8	1270.3	1169.4
20°	712.4	756.1	825.0	771.2	727.5
22.5°	440.2	475.5	524.2	482.2	446.9
25°	263.8	299.1	336.0	297.4	267.2
27.5°	156.3	186.5	210.0	184.8	154.6
30°	100.8	117.6	132.7	115.9	102.5
32.5°	70.6	77.3	84.0	77.3	70.6
35°	52.1	55.4	58.8	55.4	50.4
37.5°	40.3	43.7	45.4	42.0	38.6
40°	33.6	35.3	37.0	35.3	33.6
42.5°	28.6	30.2	30.2	30.2	28.6
45°	25.2	25.2	26.9	25.2	25.2
47.5°	21.8	21.8	23.5	21.8	21.8
50°	20.2	20.2	20.2	20.2	20.2
52.5°	18.5	18.5	18.5	18.5	18.5
55°	16.8	16.8	16.8	16.8	16.8
57.5°	15.1	15.1	15.1	15.1	15.1
60°	13.4	13.4	13.4	13.4	13.4
62.5°	11.8	11.8	11.8	11.8	11.8
65°	10.1	10.1	10.1	10.1	10.1
67.5°	10.1	10.1	10.1	10.1	10.1
70°	8.4	8.4	8.4	8.4	8.4
72.5°	6.7	6.7	6.7	6.7	6.7
75°	5.0	5.0	5.0	5.0	6.7
77.5°	5.0	5.0	5.0	5.0	5.0
80°	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4
85°	1.7	1.7	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report



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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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(END OF REPORT)