

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: P791217

Luminaire Tested: LER6D30D010-EC6DR1515309040-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791217  
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-EC6DR1515309040-6LBDDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3666.5 lumens  
Efficiency: N/A  
Efficacy: 126.4 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

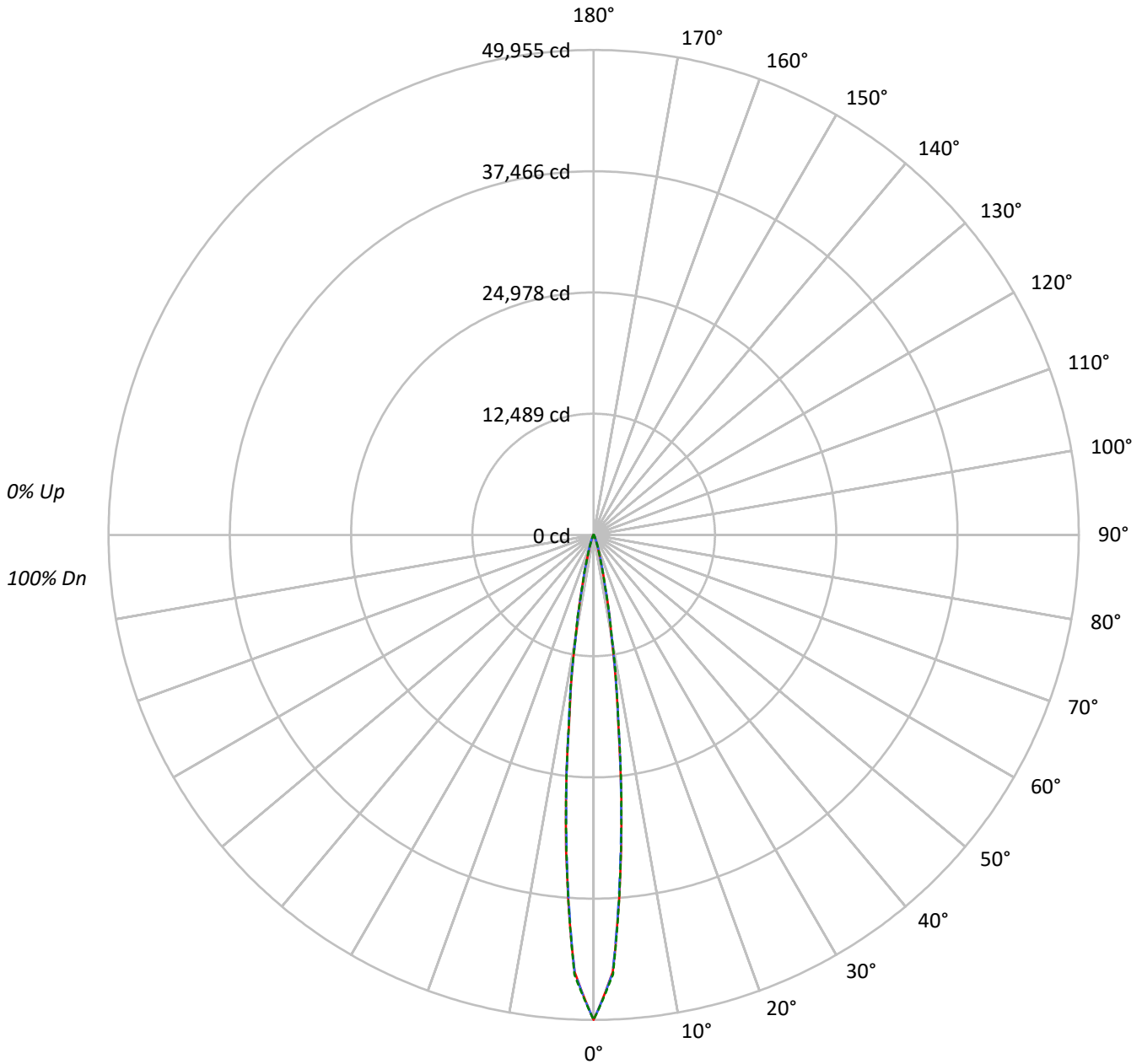
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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

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

	0°	45°	90°
0°	5620957	5620957	5620957
5°	3303143	3260367	3286160
10°	985832	992737	1007937
15°	245214	249991	242278
20°	73371	84965	74925
25°	25863	32952	26190
30°	9502	12513	9660
35°	4764	5374	4604
40°	3004	3302	3004
45°	2219	2366	2219
50°	1766	1766	1766
55°	1469	1469	1469
60°	1187	1187	1187
65°	906	906	906
70°	775	775	775
75°	476	476	642
80°	331	331	331
85°	174	174	174

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2366 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2378.0	64.9
10°-20°	978.1	26.7
20°-30°	194.3	5.3
30°-40°	48.5	1.3
40°-50°	25.5	0.7
50°-60°	18.9	0.5
60°-70°	13.4	0.4
70°-80°	7.6	0.2
80°-90°	2.3	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°	3550.4	96.8
0°-40°	3598.9	98.2
0°-60°	3643.2	99.4
0°-90°	3666.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3666.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	49955	49955	49955	49955	49955	
5°	32502	32168	32081	32303	32335	2373
15°	2823	2876	2878	2828	2789	968
25°	332	376	423	374	336	174
35°	66	70	74	70	63	45
45°	32	32	34	32	32	25
55°	21	21	21	21	21	19
65°	13	13	13	13	13	13
75°	6	6	6	6	8	8
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°	49955.2	49955.2	49955.2	49955.2	49955.2
2.5°	45061.6	45099.7	45114.5	45158.9	45323.9
5°	32502.0	32167.8	32081.1	32303.2	32334.9
7.5°	19252.9	19320.6	19568.0	19623.0	19424.2
10°	10565.4	10652.1	10639.4	10715.6	10802.3
12.5°	5403.3	5335.6	5314.4	5401.1	5280.6
15°	2823.2	2876.1	2878.2	2827.5	2789.4
17.5°	1518.4	1579.7	1681.2	1598.8	1471.9
20°	896.7	951.6	1038.4	970.7	915.7
22.5°	554.1	598.5	659.8	606.9	562.5
25°	332.0	376.4	423.0	374.3	336.2
27.5°	196.7	234.7	264.3	232.6	194.6
30°	126.9	148.0	167.1	145.9	129.0
32.5°	88.8	97.3	105.7	97.3	88.8
35°	65.6	69.8	74.0	69.8	63.4
37.5°	50.8	55.0	57.1	52.9	48.6
40°	42.3	44.4	46.5	44.4	42.3
42.5°	36.0	38.1	38.1	38.1	36.0
45°	31.7	31.7	33.8	31.7	31.7
47.5°	27.5	27.5	29.6	27.5	27.5
50°	25.4	25.4	25.4	25.4	25.4
52.5°	23.3	23.3	23.3	23.3	23.3
55°	21.1	21.1	21.1	21.1	21.1
57.5°	19.0	19.0	19.0	19.0	19.0
60°	16.9	16.9	16.9	16.9	16.9
62.5°	14.8	14.8	14.8	14.8	14.8
65°	12.7	12.7	12.7	12.7	12.7
67.5°	12.7	12.7	12.7	12.7	12.7
70°	10.6	10.6	10.6	10.6	10.6
72.5°	8.5	8.5	8.5	8.5	8.5
75°	6.3	6.3	6.3	6.3	8.5
77.5°	6.3	6.3	6.3	6.3	6.3
80°	4.2	4.2	4.2	4.2	4.2
82.5°	4.2	4.2	4.2	4.2	4.2
85°	2.1	2.1	2.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report



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Scaled Data Report







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

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(END OF REPORT)