

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: P791190

Luminaire Tested: LER6D30D010-EC6DR1515309024-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791190  
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-EC6DR1515309024-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2808.1 lumens  
Efficiency: N/A  
Efficacy: 96.8 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

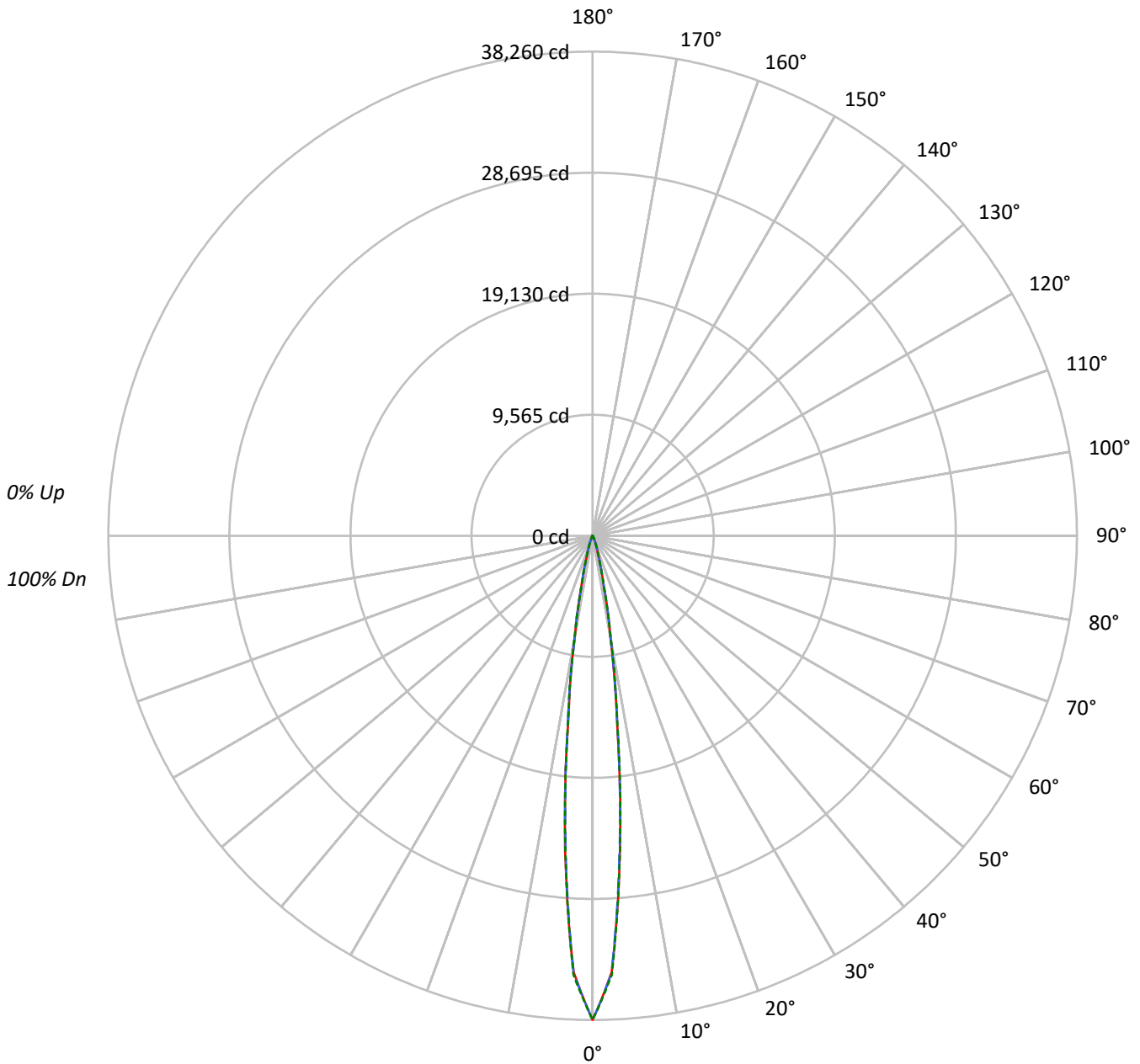


Downlight

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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°	4305024	4305024	4305024
5°	2529838	2497073	2516830
10°	755036	760326	771962
15°	187811	191467	185561
20°	56188	65074	57382
25°	19810	25232	20059
30°	7278	9585	7398
35°	3645	4118	3529
40°	2301	2528	2301
45°	1701	1813	1701
50°	1349	1349	1349
55°	1128	1128	1128
60°	913	913	913
65°	692	692	692
70°	592	592	592
75°	370	370	491
80°	252	252	252
85°	133	133	133

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1813 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1821.3	64.9
10°-20°	749.1	26.7
20°-30°	148.8	5.3
30°-40°	37.1	1.3
40°-50°	19.5	0.7
50°-60°	14.5	0.5
60°-70°	10.2	0.4
70°-80°	5.8	0.2
80°-90°	1.7	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°	2719.2	96.8
0°-40°	2756.3	98.2
0°-60°	2790.3	99.4
0°-90°	2808.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2808.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	38260	38260	38260	38260	38260	
5°	24893	24637	24570	24741	24765	1818
15°	2162	2203	2204	2166	2136	741
25°	254	288	324	287	258	134
35°	50	53	57	53	49	34
45°	24	24	26	24	24	19
55°	16	16	16	16	16	14
65°	10	10	10	10	10	10
75°	5	5	5	5	6	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°	38260.1	38260.1	38260.1	38260.1	38260.1
2.5°	34512.1	34541.3	34552.6	34586.6	34713.0
5°	24892.9	24636.9	24570.5	24740.6	24764.9
7.5°	14745.6	14797.4	14986.9	15029.0	14876.8
10°	8091.9	8158.3	8148.6	8206.9	8273.3
12.5°	4138.3	4086.5	4070.3	4136.7	4044.3
15°	2162.3	2202.8	2204.4	2165.5	2136.4
17.5°	1162.9	1209.9	1287.6	1224.5	1127.3
20°	686.7	728.9	795.3	743.4	701.3
22.5°	424.4	458.4	505.3	464.8	430.8
25°	254.3	288.3	323.9	286.7	257.5
27.5°	150.6	179.8	202.5	178.2	149.0
30°	97.2	113.4	128.0	111.8	98.8
32.5°	68.0	74.5	81.0	74.5	68.0
35°	50.2	53.4	56.7	53.4	48.6
37.5°	38.9	42.1	43.7	40.5	37.3
40°	32.4	34.0	35.6	34.0	32.4
42.5°	27.5	29.2	29.2	29.2	27.5
45°	24.3	24.3	25.9	24.3	24.3
47.5°	21.1	21.1	22.7	21.1	21.1
50°	19.4	19.4	19.4	19.4	19.4
52.5°	17.8	17.8	17.8	17.8	17.8
55°	16.2	16.2	16.2	16.2	16.2
57.5°	14.6	14.6	14.6	14.6	14.6
60°	13.0	13.0	13.0	13.0	13.0
62.5°	11.3	11.3	11.3	11.3	11.3
65°	9.7	9.7	9.7	9.7	9.7
67.5°	9.7	9.7	9.7	9.7	9.7
70°	8.1	8.1	8.1	8.1	8.1
72.5°	6.5	6.5	6.5	6.5	6.5
75°	4.9	4.9	4.9	4.9	6.5
77.5°	4.9	4.9	4.9	4.9	4.9
80°	3.2	3.2	3.2	3.2	3.2
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.6	1.6	1.6	1.6	1.6
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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