

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: P791204

Luminaire Tested: LER6D30D010-EC6DR1515309030-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791204  
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-EC6DR1515309030-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3388.2 lumens  
Efficiency: N/A  
Efficacy: 116.8 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

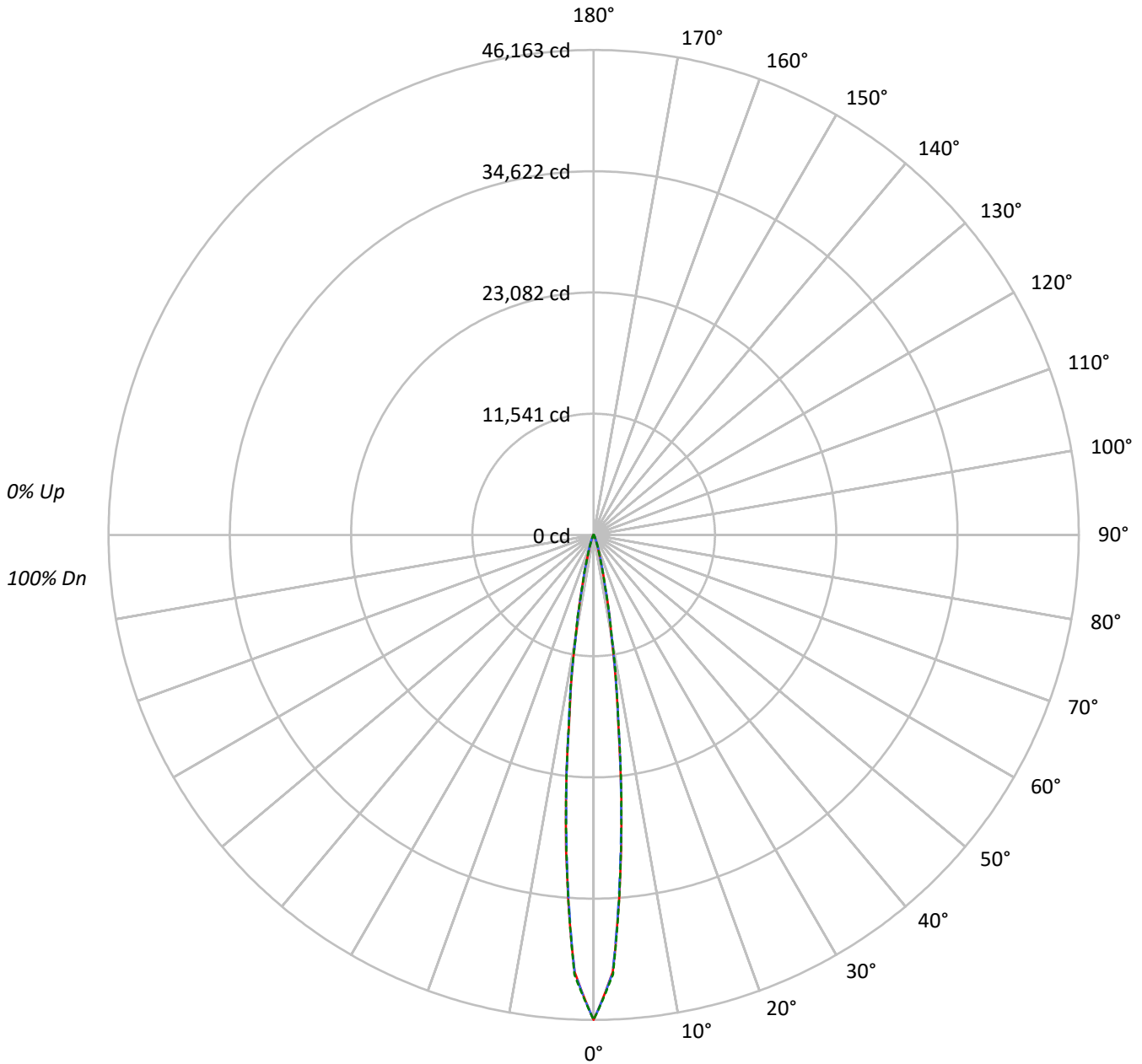


Downlight

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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	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°	5194236	5194236	5194236
5°	3052383	3012860	3036692
10°	910990	917372	931415
15°	226601	231013	223882
20°	67798	78509	69238
25°	23900	30444	24204
30°	8784	11562	8926
35°	4401	4967	4255
40°	2777	3054	2777
45°	2051	2191	2051
50°	1634	1634	1634
55°	1357	1357	1357
60°	1095	1095	1095
65°	835	835	835
70°	717	717	717
75°	446	446	590
80°	307	307	307
85°	166	166	166

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2191 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2197.4	64.9
10°-20°	903.9	26.7
20°-30°	179.5	5.3
30°-40°	44.8	1.3
40°-50°	23.6	0.7
50°-60°	17.5	0.5
60°-70°	12.3	0.4
70°-80°	7.0	0.2
80°-90°	2.1	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°	3280.8	96.8
0°-40°	3325.6	98.2
0°-60°	3366.7	99.4
0°-90°	3388.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3388.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	46163	46163	46163	46163	46163	
5°	30035	29726	29646	29851	29880	2193
15°	2609	2658	2660	2613	2578	894
25°	307	348	391	346	311	161
35°	61	64	68	64	59	41
45°	29	29	31	29	29	23
55°	20	20	20	20	20	17
65°	12	12	12	12	12	12
75°	6	6	6	6	8	7
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°	46162.8	46162.8	46162.8	46162.8	46162.8
2.5°	41640.7	41675.9	41689.6	41730.6	41883.1
5°	30034.6	29725.8	29645.7	29850.9	29880.2
7.5°	17791.3	17853.8	18082.5	18133.3	17949.6
10°	9763.3	9843.5	9831.7	9902.1	9982.2
12.5°	4993.1	4930.5	4911.0	4991.1	4879.7
15°	2608.9	2657.8	2659.7	2612.8	2577.6
17.5°	1403.1	1459.8	1553.6	1477.4	1360.1
20°	828.6	879.4	959.5	897.0	846.2
22.5°	512.0	553.0	609.7	560.9	519.8
25°	306.8	347.9	390.8	345.9	310.7
27.5°	181.7	216.9	244.3	215.0	179.8
30°	117.3	136.8	154.4	134.8	119.2
32.5°	82.1	89.9	97.7	89.9	82.1
35°	60.6	64.5	68.4	64.5	58.6
37.5°	46.9	50.8	52.8	48.9	44.9
40°	39.1	41.0	43.0	41.0	39.1
42.5°	33.2	35.2	35.2	35.2	33.2
45°	29.3	29.3	31.3	29.3	29.3
47.5°	25.4	25.4	27.4	25.4	25.4
50°	23.5	23.5	23.5	23.5	23.5
52.5°	21.5	21.5	21.5	21.5	21.5
55°	19.5	19.5	19.5	19.5	19.5
57.5°	17.6	17.6	17.6	17.6	17.6
60°	15.6	15.6	15.6	15.6	15.6
62.5°	13.7	13.7	13.7	13.7	13.7
65°	11.7	11.7	11.7	11.7	11.7
67.5°	11.7	11.7	11.7	11.7	11.7
70°	9.8	9.8	9.8	9.8	9.8
72.5°	7.8	7.8	7.8	7.8	7.8
75°	5.9	5.9	5.9	5.9	7.8
77.5°	5.9	5.9	5.9	5.9	5.9
80°	3.9	3.9	3.9	3.9	3.9
82.5°	3.9	3.9	3.9	3.9	3.9
85°	2.0	2.0	2.0	2.0	2.0
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)