

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: P791344

Luminaire Tested: LER6D30D010-EC6DR3020359030-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791344  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D30D010-EC6DR3020359030-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5431.9 lumens  
Efficiency: N/A  
Efficacy: 187.3 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' 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

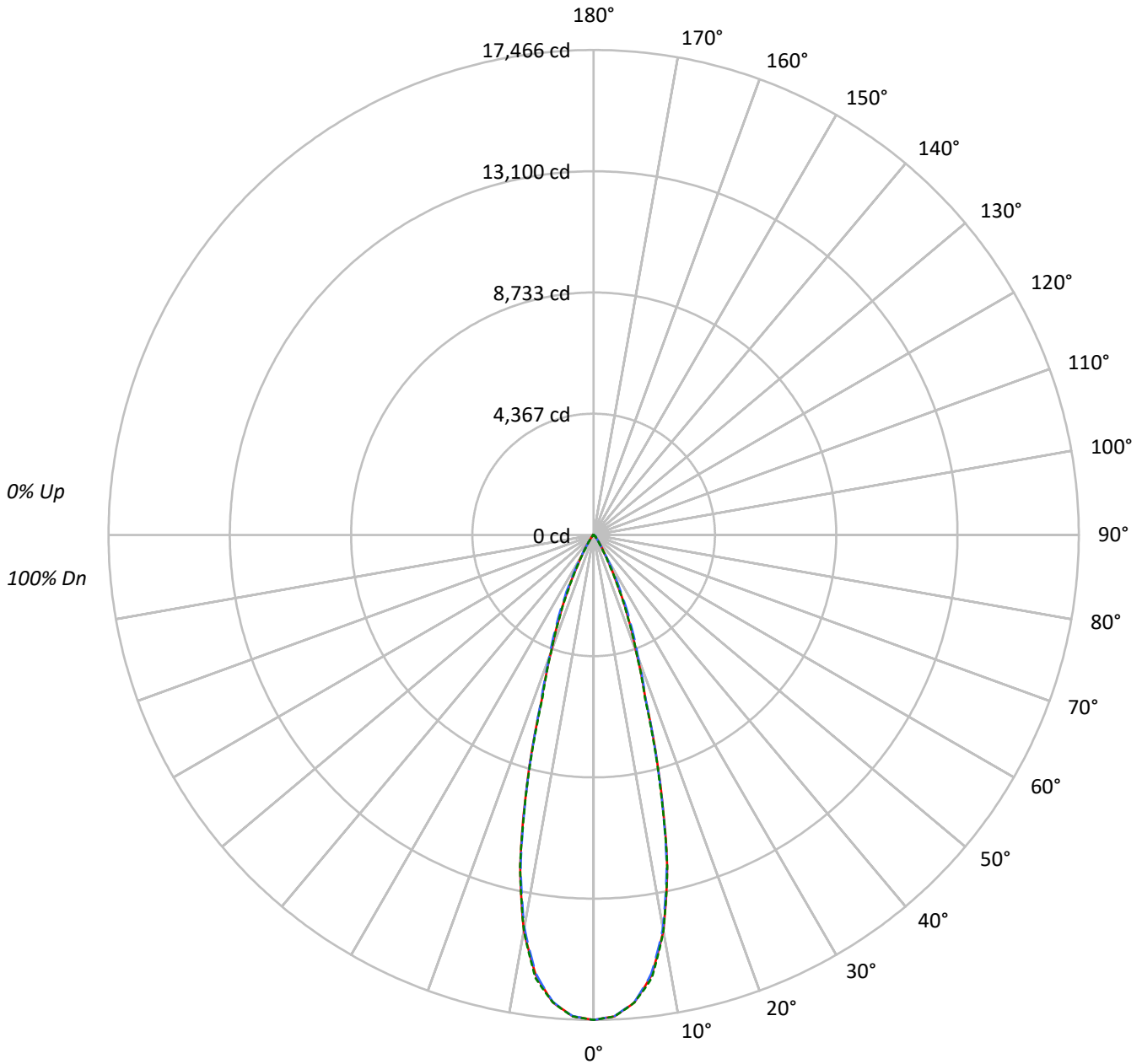


Downlight

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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

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

	0°	45°	90°
0°	1336930	1336930	1336930
5°	1298548	1297034	1298617
10°	1124739	1116811	1124475
15°	733835	729897	726228
20°	364906	378598	364417
25°	183811	207281	180044
30°	73598	80191	64123
35°	34134	32695	27407
40°	14738	16367	13879
45°	10392	12903	10489
50°	3572	9395	3775
55°	2055	3897	2175
60°	1439	1699	1439
65°	924	924	924
70°	582	380	582
75°	0	266	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 12903 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1535.9	28.3
10°-20°	2473.6	45.5
20°-30°	1068.9	19.7
30°-40°	243.6	4.5
40°-50°	83.6	1.5
50°-60°	20.4	0.4
60°-70°	5.3	0.1
70°-80°	0.6	0.0
80°-90°	0.0	0.0
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°	5078.4	93.5
0°-40°	5322.0	98.0
0°-60°	5426.1	99.9
0°-90°	5431.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5431.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	17466	17466	17466	17466	17466	
5°	16900	16884	16881	16916	16901	1537
15°	9260	9149	9211	9181	9164	2480
25°	2176	2259	2454	2201	2132	1042
35°	365	373	350	347	293	248
45°	96	119	119	119	97	68
55°	15	16	29	17	16	15
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	17466.3	17466.3	17466.3	17466.3	17466.3
2.5°	17350.5	17338.5	17345.4	17354.0	17357.4
5°	16900.3	16884.0	16880.6	16915.8	16901.2
7.5°	15992.2	15969.1	15933.9	16013.6	16088.3
10°	14470.9	14445.2	14368.9	14406.6	14467.5
12.5°	12225.0	12141.9	12140.2	12260.2	12243.9
15°	9260.5	9149.1	9210.8	9180.8	9164.5
17.5°	6227.4	6184.6	6266.9	6242.0	6134.8
20°	4479.8	4490.9	4647.9	4569.0	4473.8
22.5°	3268.9	3309.2	3495.3	3292.1	3217.5
25°	2176.4	2258.8	2454.3	2201.3	2131.8
27.5°	1338.6	1376.3	1574.4	1321.5	1283.7
30°	832.7	813.8	907.3	778.6	725.5
32.5°	546.3	522.2	552.3	495.7	452.8
35°	365.3	373.0	349.9	347.3	293.3
37.5°	228.1	262.4	231.5	247.0	188.7
40°	147.5	190.4	163.8	180.9	138.9
42.5°	120.9	146.6	134.6	143.2	123.5
45°	96.0	119.2	119.2	119.2	96.9
47.5°	53.2	79.8	102.0	81.5	56.6
50°	30.0	40.3	78.9	42.0	31.7
52.5°	20.6	23.2	54.0	24.0	21.4
55°	15.4	16.3	29.2	17.2	16.3
57.5°	12.0	12.9	15.4	12.9	12.0
60°	9.4	9.4	11.1	10.3	9.4
62.5°	6.9	6.9	7.7	6.9	6.9
65°	5.1	5.1	5.1	5.1	5.1
67.5°	2.6	3.4	3.4	3.4	3.4
70°	2.6	1.7	1.7	1.7	2.6
72.5°	1.7	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)