

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: P791360

Luminaire Tested: LER6D30D010-EC6DR3020359040-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791360  
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-EC6DR3020359040-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5892.9 lumens  
Efficiency: N/A  
Efficacy: 203.2 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

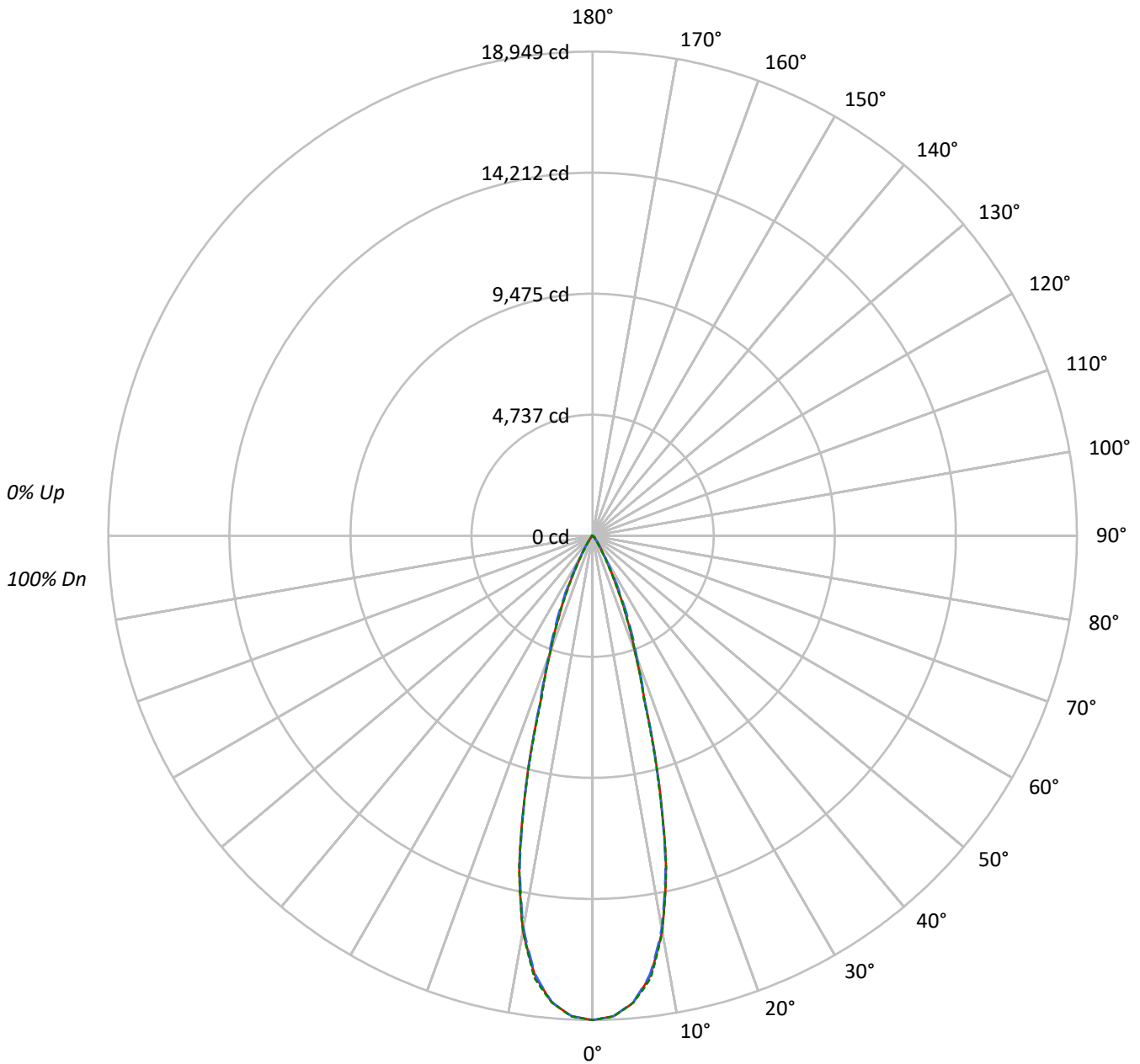
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	1450390	1450390	1450390
5°	1408753	1407109	1408822
10°	1220192	1211588	1219905
15°	796112	791841	787855
20°	395867	410724	395337
25°	199410	224873	195331
30°	79838	86997	69559
35°	37031	35471	29733
40°	15987	17756	15058
45°	11280	13997	11377
50°	3882	10193	4096
55°	2229	4217	2362
60°	1561	1852	1561
65°	1014	1014	1014
70°	627	425	627
75°	0	266	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 13997 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1666.2	28.3
10°-20°	2683.5	45.5
20°-30°	1159.6	19.7
30°-40°	264.3	4.5
40°-50°	90.8	1.5
50°-60°	22.2	0.4
60°-70°	5.7	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°	5509.4	93.5
0°-40°	5773.7	98.0
0°-60°	5886.6	99.9
0°-90°	5892.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5892.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	18949	18949	18949	18949	18949	
5°	18335	18317	18313	18351	18336	1668
15°	10046	9926	9992	9960	9942	2690
25°	2361	2450	2663	2388	2313	1130
35°	396	405	380	377	318	269
45°	104	129	129	129	105	74
55°	17	18	32	19	18	16
65°	6	6	6	6	6	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°	18948.6	18948.6	18948.6	18948.6	18948.6
2.5°	18823.0	18810.0	18817.4	18826.7	18830.4
5°	18334.6	18316.9	18313.2	18351.3	18335.5
7.5°	17349.4	17324.3	17286.1	17372.6	17453.6
10°	15699.0	15671.1	15588.3	15629.2	15695.3
12.5°	13262.5	13172.3	13170.4	13300.7	13283.0
15°	10046.4	9925.5	9992.5	9959.9	9942.2
17.5°	6755.9	6709.4	6798.7	6771.7	6655.5
20°	4859.9	4872.0	5042.3	4956.7	4853.4
22.5°	3546.3	3590.1	3792.0	3571.5	3490.5
25°	2361.1	2450.4	2662.6	2388.1	2312.8
27.5°	1452.2	1493.2	1708.1	1433.6	1392.7
30°	903.3	882.9	984.3	844.7	787.0
32.5°	592.6	566.6	599.1	537.7	491.2
35°	396.3	404.7	379.6	376.8	318.2
37.5°	247.5	284.7	251.2	267.9	204.7
40°	160.0	206.5	177.7	196.3	150.7
42.5°	131.2	159.1	146.1	155.4	134.0
45°	104.2	129.3	129.3	129.3	105.1
47.5°	57.7	86.5	110.7	88.4	61.4
50°	32.6	43.7	85.6	45.6	34.4
52.5°	22.3	25.1	58.6	26.0	23.3
55°	16.7	17.7	31.6	18.6	17.7
57.5°	13.0	14.0	16.7	14.0	13.0
60°	10.2	10.2	12.1	11.2	10.2
62.5°	7.4	7.4	8.4	7.4	7.4
65°	5.6	5.6	5.6	5.6	5.6
67.5°	2.8	3.7	3.7	3.7	3.7
70°	2.8	1.9	1.9	1.9	2.8
72.5°	1.9	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)