

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: P791341

Luminaire Tested: LER6D30D010-EC6DR3020359027-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791341  
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-EC6DR3020359027-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5814.4 lumens  
Efficiency: N/A  
Efficacy: 200.5 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

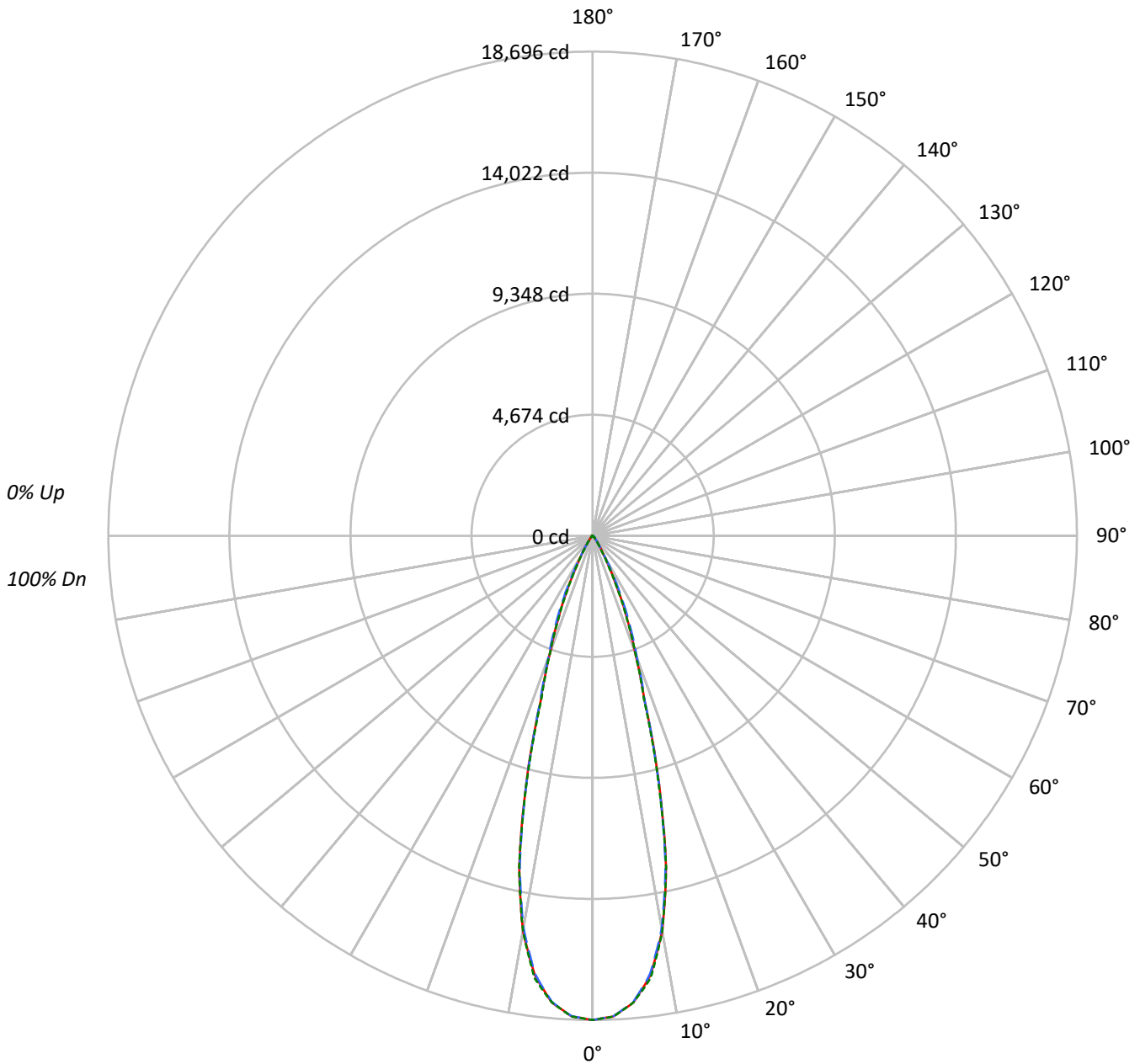
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	1431071	1431071	1431071
5°	1389982	1388361	1390059
10°	1203940	1195445	1203653
15°	785510	781294	777363
20°	390597	405251	390075
25°	196758	221875	192721
30°	78777	85839	68640
35°	36536	34994	29332
40°	15777	17516	14858
45°	11128	13813	11225
50°	3822	10050	4049
55°	2202	4164	2322
60°	1546	1822	1546
65°	996	996	996
70°	627	403	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: 13813 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1644.0	28.3
10°-20°	2647.7	45.5
20°-30°	1144.2	19.7
30°-40°	260.8	4.5
40°-50°	89.5	1.5
50°-60°	21.9	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°	5436.0	93.5
0°-40°	5696.7	98.0
0°-60°	5808.1	99.9
0°-90°	5814.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5814.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	18696	18696	18696	18696	18696	
5°	18090	18073	18069	18107	18091	1645
15°	9913	9793	9859	9827	9810	2654
25°	2330	2418	2627	2356	2282	1115
35°	391	399	374	372	314	265
45°	103	128	128	128	104	73
55°	16	17	31	18	17	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°	18696.2	18696.2	18696.2	18696.2	18696.2
2.5°	18572.2	18559.4	18566.7	18575.9	18579.6
5°	18090.3	18072.9	18069.2	18106.9	18091.3
7.5°	17118.3	17093.5	17055.8	17141.2	17221.1
10°	15489.9	15462.3	15380.6	15421.0	15486.2
12.5°	13085.8	12996.8	12995.0	13123.5	13106.0
15°	9912.6	9793.3	9859.4	9827.2	9809.8
17.5°	6665.9	6620.0	6708.1	6681.5	6566.8
20°	4795.2	4807.1	4975.1	4890.7	4788.8
22.5°	3499.1	3542.2	3741.4	3523.9	3444.0
25°	2329.7	2417.8	2627.1	2356.3	2281.9
27.5°	1432.9	1473.3	1685.3	1414.5	1374.1
30°	891.3	871.1	971.2	833.5	776.6
32.5°	584.7	559.0	591.1	530.6	484.7
35°	391.0	399.3	374.5	371.8	313.9
37.5°	244.2	280.9	247.8	264.4	201.9
40°	157.9	203.8	175.3	193.7	148.7
42.5°	129.4	157.0	144.1	153.3	132.2
45°	102.8	127.6	127.6	127.6	103.7
47.5°	56.9	85.4	109.2	87.2	60.6
50°	32.1	43.1	84.4	45.0	34.0
52.5°	22.0	24.8	57.8	25.7	22.9
55°	16.5	17.4	31.2	18.4	17.4
57.5°	12.9	13.8	16.5	13.8	12.9
60°	10.1	10.1	11.9	11.0	10.1
62.5°	7.3	7.3	8.3	7.3	7.3
65°	5.5	5.5	5.5	5.5	5.5
67.5°	2.8	3.7	3.7	3.7	3.7
70°	2.8	1.8	1.8	1.8	2.8
72.5°	1.8	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)