

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P791363

Luminaire Tested: LER6D30D010-EC6DR3020359040-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791363  
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-EC6DR3020359040-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5815.9 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

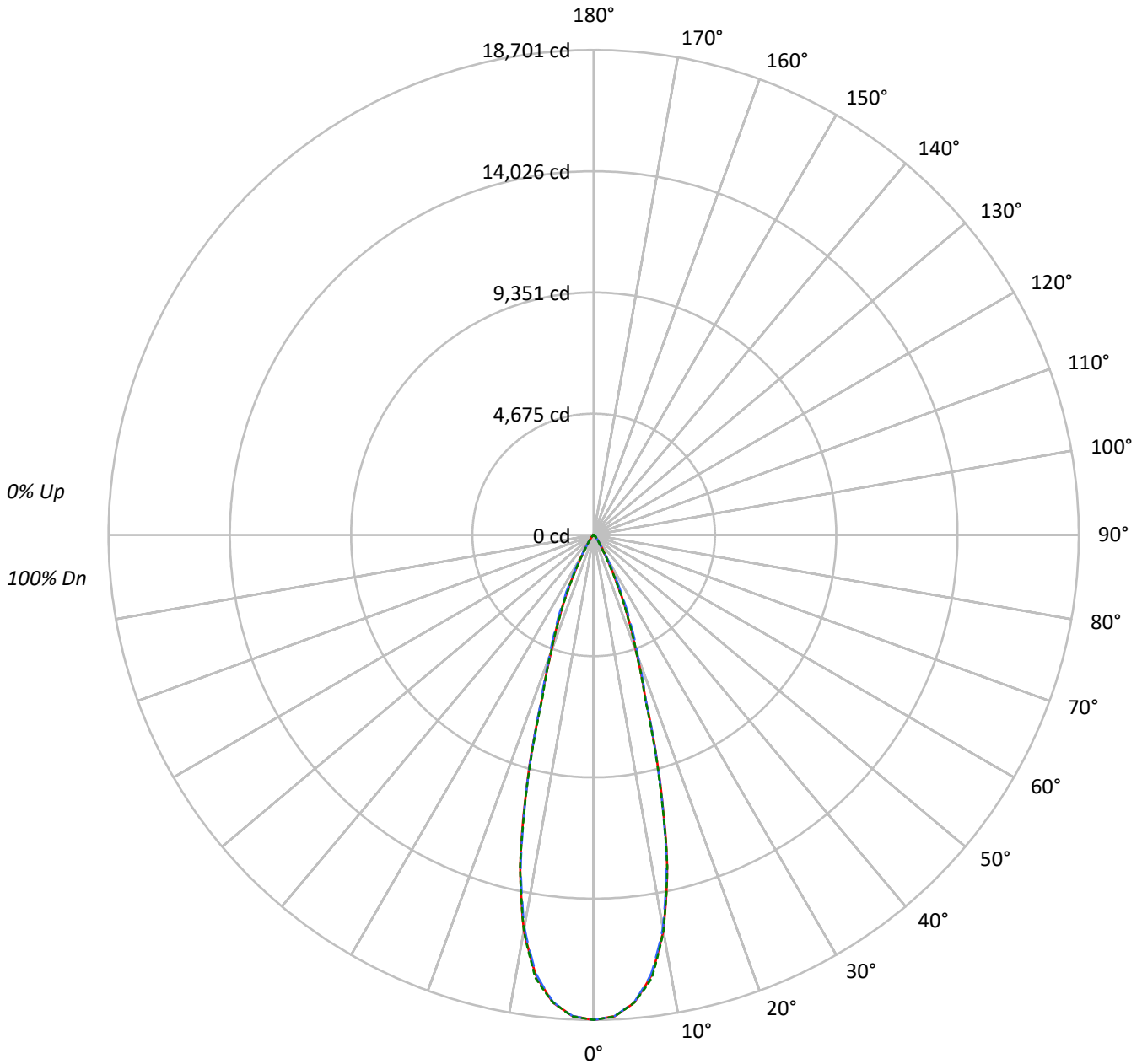


Downlight

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

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

	0°	45°	90°
0°	1431423	1431423	1431423
5°	1390336	1388707	1390405
10°	1204243	1195748	1203956
15°	785708	781484	777562
20°	390695	405357	390173
25°	196808	221926	192771
30°	78795	85857	68657
35°	36545	35003	29341
40°	15777	17526	14858
45°	11128	13813	11236
50°	3822	10062	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°	1644.5	28.3
10°-20°	2648.4	45.5
20°-30°	1144.4	19.7
30°-40°	260.8	4.5
40°-50°	89.6	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°	5437.3	93.5
0°-40°	5698.2	98.0
0°-60°	5809.6	99.9
0°-90°	5815.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5815.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	18701	18701	18701	18701	18701	
5°	18095	18077	18074	18111	18096	1646
15°	9915	9796	9862	9830	9812	2655
25°	2330	2418	2628	2357	2282	1115
35°	391	399	375	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°	18700.8	18700.8	18700.8	18700.8	18700.8
2.5°	18576.9	18564.0	18571.4	18580.6	18584.2
5°	18094.9	18077.4	18073.7	18111.4	18095.8
7.5°	17122.5	17097.8	17060.1	17145.5	17225.4
10°	15493.8	15466.2	15384.5	15424.9	15490.1
12.5°	13089.1	13000.1	12998.2	13126.8	13109.3
15°	9915.1	9795.7	9861.8	9829.7	9812.3
17.5°	6667.6	6621.7	6709.8	6683.2	6568.4
20°	4796.4	4808.3	4976.4	4891.9	4790.0
22.5°	3500.0	3543.1	3742.4	3524.8	3444.9
25°	2330.3	2418.4	2627.7	2356.9	2282.5
27.5°	1433.2	1473.6	1685.7	1414.9	1374.5
30°	891.5	871.3	971.4	833.7	776.8
32.5°	584.9	559.2	591.3	530.7	484.8
35°	391.1	399.4	374.6	371.9	314.0
37.5°	244.2	281.0	247.9	264.4	202.0
40°	157.9	203.8	175.4	193.7	148.7
42.5°	129.5	157.0	144.1	153.3	132.2
45°	102.8	127.6	127.6	127.6	103.8
47.5°	56.9	85.4	109.3	87.2	60.6
50°	32.1	43.2	84.5	45.0	34.0
52.5°	22.0	24.8	57.8	25.7	23.0
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

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Scaled Data Report



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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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(END OF REPORT)