

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: P791365

Luminaire Tested: LER6D30D010-EC6DR3020359040-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791365  
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-EC6DR3020359040-6LBS1LI  
Description: 6 INCH ROUND SHALLOW 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: 6513.2 lumens  
Efficiency: N/A  
Efficacy: 224.6 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

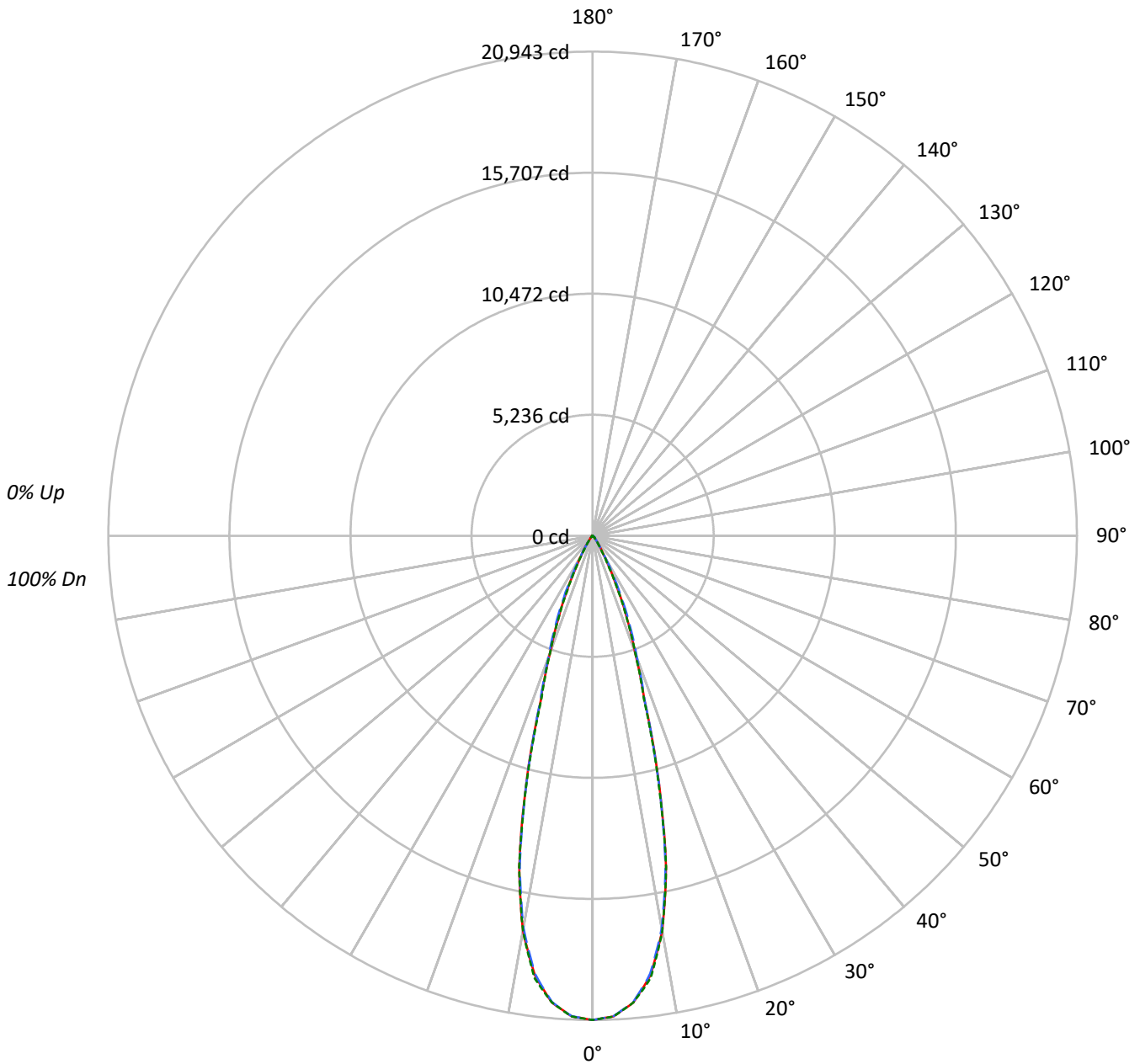
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	1603064	1603064	1603064
5°	1557039	1555225	1557123
10°	1348631	1339126	1348313
15°	879920	875190	870792
20°	437540	453961	436953
25°	220406	248538	215887
30°	88243	96154	76886
35°	40928	39199	32864
40°	17676	19624	16647
45°	12470	15469	12578
50°	4287	11265	4525
55°	2469	4671	2602
60°	1730	2051	1730
65°	1123	1123	1123
70°	694	470	694
75°	0	296	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 15469 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1841.6	28.3
10°-20°	2966.0	45.5
20°-30°	1281.7	19.7
30°-40°	292.1	4.5
40°-50°	100.3	1.5
50°-60°	24.5	0.4
60°-70°	6.4	0.1
70°-80°	0.7	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°	6089.3	93.5
0°-40°	6381.4	98.0
0°-60°	6506.2	99.9
0°-90°	6513.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6513.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20943	20943	20943	20943	20943	
5°	20264	20245	20241	20283	20266	1843
15°	11104	10970	11044	11008	10989	2973
25°	2610	2708	2943	2640	2556	1249
35°	438	447	420	416	352	297
45°	115	143	143	143	116	82
55°	18	20	35	21	20	18
65°	6	6	6	6	6	6
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°	20943.2	20943.2	20943.2	20943.2	20943.2
2.5°	20804.4	20790.0	20798.2	20808.5	20812.6
5°	20264.5	20245.0	20240.9	20283.1	20265.6
7.5°	19175.6	19147.9	19105.7	19201.3	19290.8
10°	17351.5	17320.7	17229.2	17274.4	17347.4
12.5°	14658.6	14558.8	14556.8	14700.7	14681.2
15°	11104.0	10970.3	11044.3	11008.3	10988.8
17.5°	7467.1	7415.7	7514.4	7484.6	7356.0
20°	5371.5	5384.9	5573.1	5478.5	5364.3
22.5°	3919.6	3968.0	4191.1	3947.4	3858.0
25°	2609.7	2708.4	2942.8	2639.5	2556.2
27.5°	1605.1	1650.3	1887.8	1584.5	1539.3
30°	998.4	975.8	1087.9	933.6	869.9
32.5°	655.0	626.2	662.2	594.3	542.9
35°	438.0	447.3	419.5	416.4	351.7
37.5°	273.5	314.6	277.6	296.1	226.2
40°	176.9	228.3	196.4	217.0	166.6
42.5°	145.0	175.8	161.4	171.7	148.1
45°	115.2	142.9	142.9	142.9	116.2
47.5°	63.8	95.6	122.4	97.7	67.9
50°	36.0	48.3	94.6	50.4	38.0
52.5°	24.7	27.8	64.8	28.8	25.7
55°	18.5	19.5	35.0	20.6	19.5
57.5°	14.4	15.4	18.5	15.4	14.4
60°	11.3	11.3	13.4	12.3	11.3
62.5°	8.2	8.2	9.3	8.2	8.2
65°	6.2	6.2	6.2	6.2	6.2
67.5°	3.1	4.1	4.1	4.1	4.1
70°	3.1	2.1	2.1	2.1	3.1
72.5°	2.1	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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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