

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: P788340

Luminaire Tested: LER6D08D010-EC6DR300210IC9030-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788340  
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: LER6D08D010-EC6DR300210IC9030-6LBS1H  
Description: 6 INCH ROUND SHALLOW 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: 1394.8 lumens  
Efficiency: N/A  
Efficacy: 156.7 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

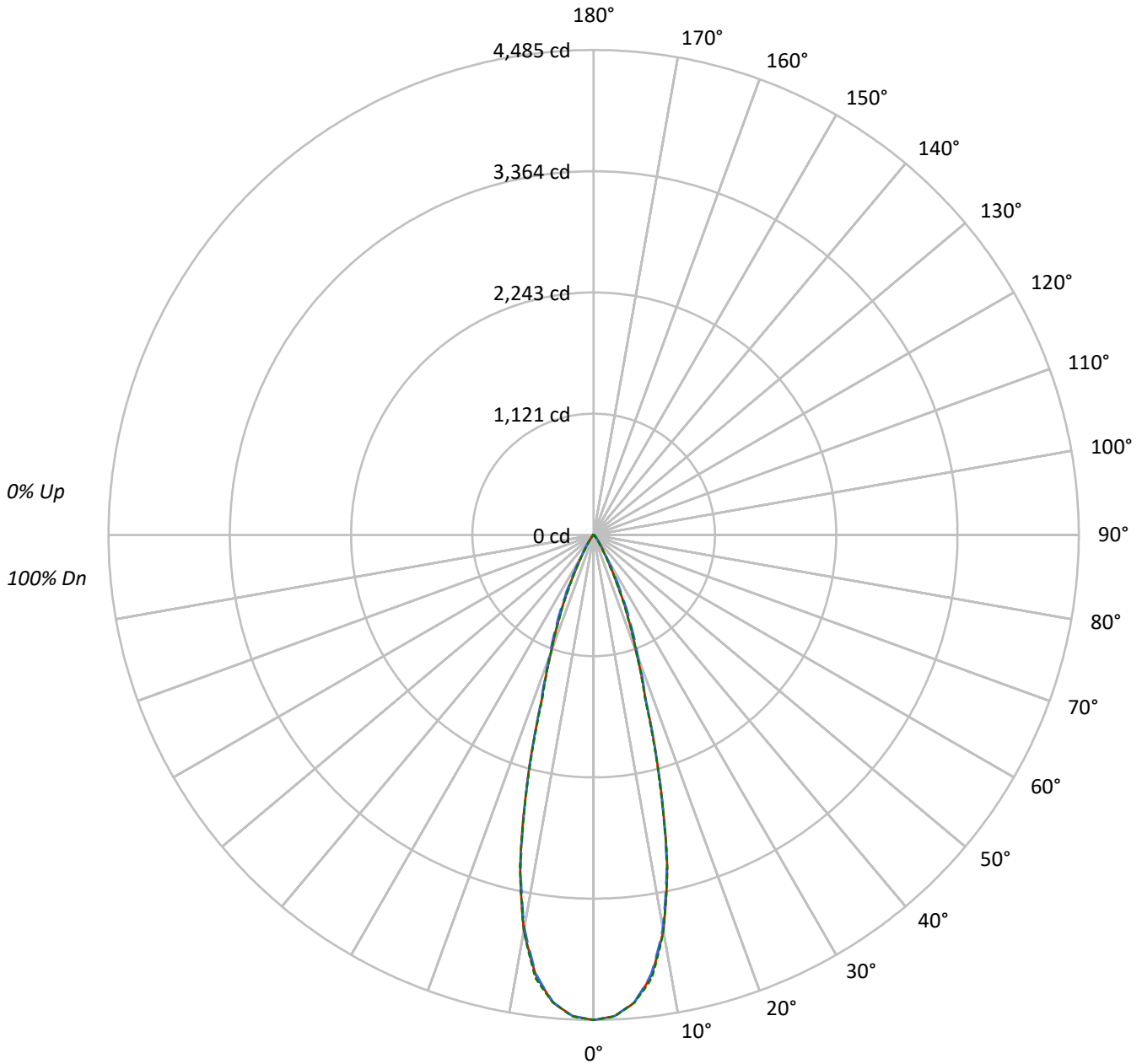
Input Watts (W): 8.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	343289	343289	343289
5°	333437	333045	333452
10°	288808	286771	288738
15°	188433	187419	186476
20°	93699	97217	93576
25°	47203	53224	46231
30°	18897	20594	16466
35°	8765	8391	7036
40°	3787	4207	3567
45°	2674	3312	2695
50°	917	2417	965
55°	534	1001	560
60°	367	444	367
65°	235	235	235
70°	157	90	157
75°	0	59	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 3312 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	394.4	28.3
10°-20°	635.2	45.5
20°-30°	274.5	19.7
30°-40°	62.6	4.5
40°-50°	21.5	1.5
50°-60°	5.3	0.4
60°-70°	1.4	0.1
70°-80°	0.1	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°	1304.0	93.5
0°-40°	1366.6	98.0
0°-60°	1393.3	99.9
0°-90°	1394.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1394.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4485	4485	4485	4485	4485	
5°	4340	4335	4334	4344	4340	395
15°	2378	2349	2365	2357	2353	637
25°	559	580	630	565	547	268
35°	94	96	90	89	75	64
45°	25	31	31	31	25	18
55°	4	4	8	4	4	4
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4484.9	4484.9	4484.9	4484.9	4484.9
2.5°	4455.2	4452.1	4453.9	4456.1	4457.0
5°	4339.6	4335.4	4334.5	4343.6	4339.8
7.5°	4106.4	4100.5	4091.4	4111.9	4131.1
10°	3715.8	3709.2	3689.6	3699.3	3714.9
12.5°	3139.1	3117.7	3117.3	3148.1	3143.9
15°	2377.9	2349.3	2365.1	2357.4	2353.2
17.5°	1599.1	1588.0	1609.2	1602.8	1575.3
20°	1150.3	1153.2	1193.5	1173.2	1148.8
22.5°	839.4	849.7	897.5	845.3	826.2
25°	558.9	580.0	630.2	565.2	547.4
27.5°	343.7	353.4	404.3	339.3	329.6
30°	213.8	209.0	233.0	199.9	186.3
32.5°	140.3	134.1	141.8	127.3	116.3
35°	93.8	95.8	89.8	89.2	75.3
37.5°	58.6	67.4	59.5	63.4	48.4
40°	37.9	48.9	42.1	46.5	35.7
42.5°	31.0	37.7	34.6	36.8	31.7
45°	24.7	30.6	30.6	30.6	24.9
47.5°	13.7	20.5	26.2	20.9	14.5
50°	7.7	10.3	20.3	10.8	8.1
52.5°	5.3	5.9	13.9	6.2	5.5
55°	4.0	4.2	7.5	4.4	4.2
57.5°	3.1	3.3	4.0	3.3	3.1
60°	2.4	2.4	2.9	2.6	2.4
62.5°	1.8	1.8	2.0	1.8	1.8
65°	1.3	1.3	1.3	1.3	1.3
67.5°	0.7	0.9	0.9	0.9	0.9
70°	0.7	0.4	0.4	0.4	0.7
72.5°	0.4	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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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