

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: P788365

Luminaire Tested: LER6D08D010-EC6DR300210IC9050-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788365  
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-EC6DR300210IC9050-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1570.1 lumens  
Efficiency: N/A  
Efficacy: 176.4 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

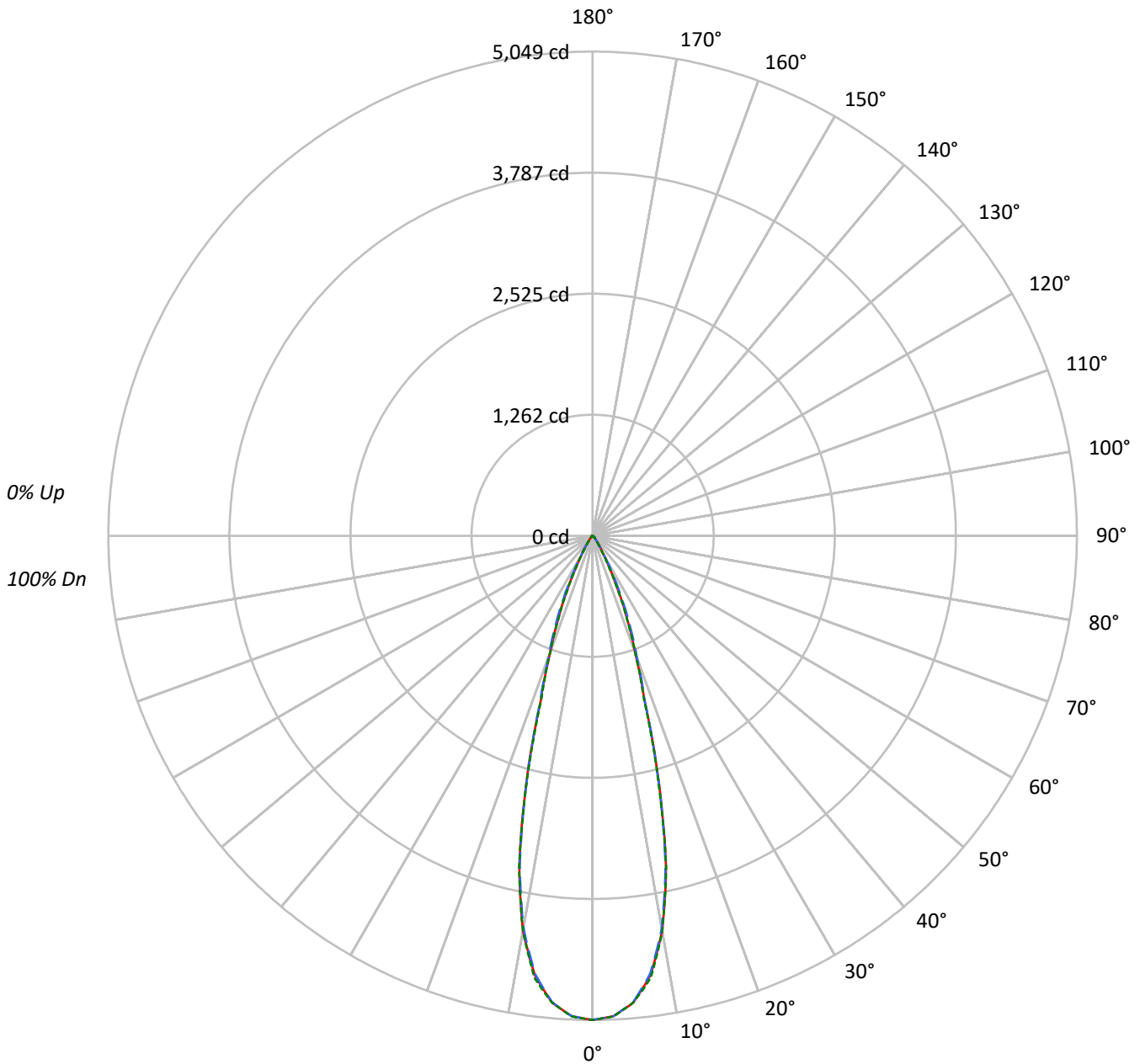
Input Watts (W): 8.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	386437	386437	386437
5°	375343	374905	375358
10°	325105	322812	325027
15°	212111	210970	209916
20°	105477	109428	105330
25°	53131	59913	52042
30°	21274	23174	18534
35°	9867	9447	7924
40°	4257	4726	4017
45°	3009	3735	3031
50°	1036	2715	1096
55°	601	1121	627
60°	413	490	413
65°	272	272	272
70°	157	112	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: 3735 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	443.9	28.3
10°-20°	715.0	45.5
20°-30°	309.0	19.7
30°-40°	70.4	4.5
40°-50°	24.2	1.5
50°-60°	5.9	0.4
60°-70°	1.5	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°	1467.9	93.5
0°-40°	1538.3	98.0
0°-60°	1568.4	99.9
0°-90°	1570.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1570.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5049	5049	5049	5049	5049	
5°	4885	4880	4879	4889	4885	444
15°	2677	2644	2662	2654	2649	717
25°	629	653	709	636	616	301
35°	106	108	101	100	85	72
45°	28	34	34	34	28	20
55°	4	5	8	5	5	4
65°	2	2	2	2	2	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°	5048.6	5048.6	5048.6	5048.6	5048.6
2.5°	5015.1	5011.6	5013.6	5016.1	5017.1
5°	4885.0	4880.3	4879.3	4889.4	4885.2
7.5°	4622.5	4615.8	4605.6	4628.7	4650.2
10°	4182.8	4175.3	4153.3	4164.2	4181.8
12.5°	3533.6	3509.6	3509.1	3543.8	3539.1
15°	2676.7	2644.5	2662.3	2653.7	2649.0
17.5°	1800.0	1787.6	1811.4	1804.2	1773.2
20°	1294.9	1298.1	1343.4	1320.6	1293.1
22.5°	944.9	956.5	1010.3	951.6	930.0
25°	629.1	652.9	709.4	636.3	616.2
27.5°	386.9	397.8	455.1	382.0	371.1
30°	240.7	235.2	262.2	225.1	209.7
32.5°	157.9	151.0	159.6	143.3	130.9
35°	105.6	107.8	101.1	100.4	84.8
37.5°	65.9	75.8	66.9	71.4	54.5
40°	42.6	55.0	47.3	52.3	40.2
42.5°	34.9	42.4	38.9	41.4	35.7
45°	27.8	34.5	34.5	34.5	28.0
47.5°	15.4	23.1	29.5	23.5	16.4
50°	8.7	11.6	22.8	12.1	9.2
52.5°	5.9	6.7	15.6	6.9	6.2
55°	4.5	4.7	8.4	5.0	4.7
57.5°	3.5	3.7	4.5	3.7	3.5
60°	2.7	2.7	3.2	3.0	2.7
62.5°	2.0	2.0	2.2	2.0	2.0
65°	1.5	1.5	1.5	1.5	1.5
67.5°	0.7	1.0	1.0	1.0	1.0
70°	0.7	0.5	0.5	0.5	0.7
72.5°	0.5	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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(END OF REPORT)