

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: P788198

Luminaire Tested: LER6D08D010-EC6DR150210IC9030-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788198  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D08D010-EC6DR150210IC9030-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 785.2 lumens  
Efficiency: N/A  
Efficacy: 88.2 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
CIE Type: Direct

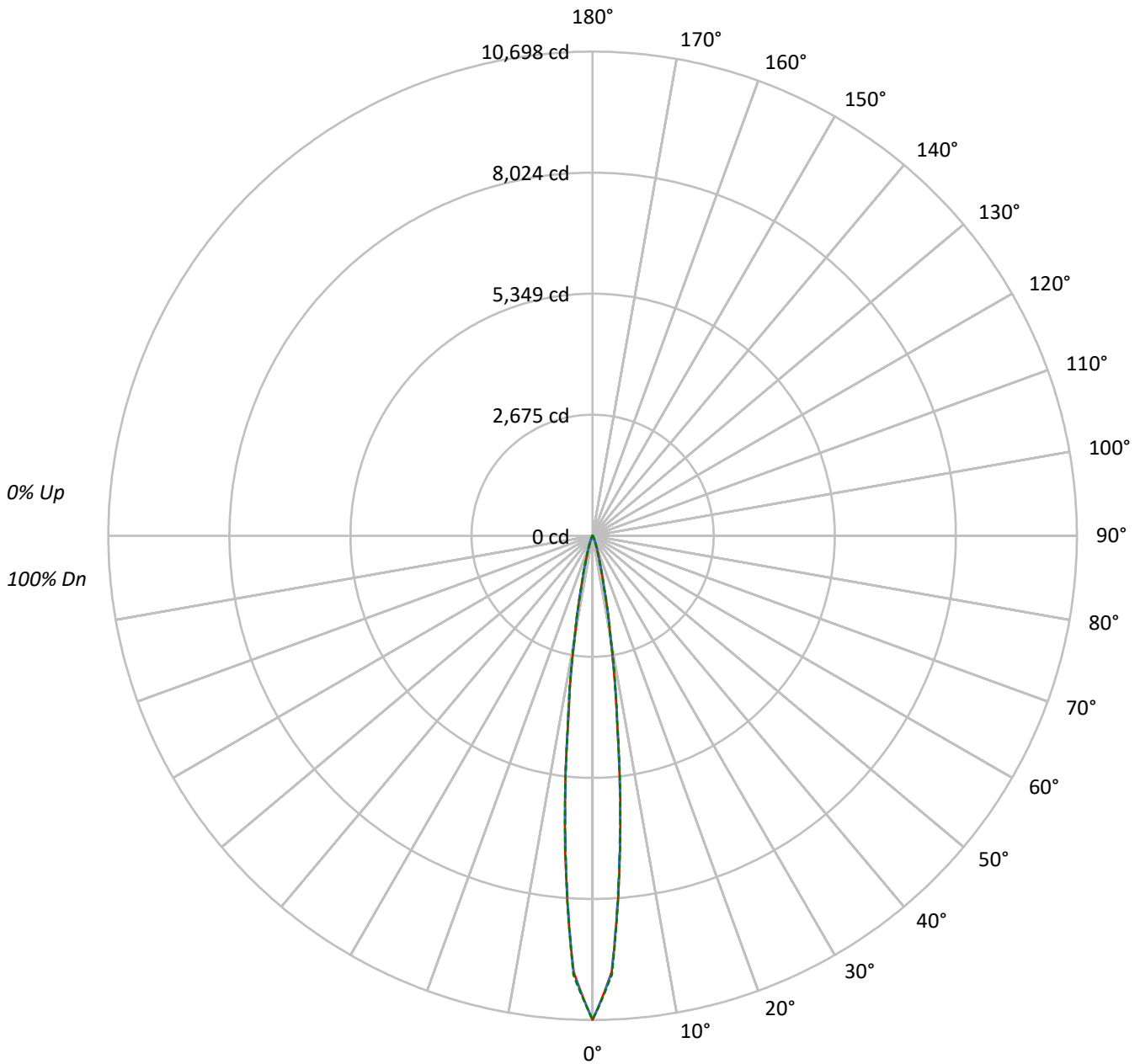
Input Watts (W): 8.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

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

	0°	45°	90°
0°	1203705	1203705	1203705
5°	707357	698201	703719
10°	211108	212592	215848
15°	52514	53539	51880
20°	15710	18197	16045
25°	5539	7058	5609
30°	2037	2681	2067
35°	1017	1155	988
40°	646	710	646
45°	476	504	476
50°	375	375	375
55°	313	313	313
60°	253	253	253
65°	193	193	193
70°	168	168	168
75°	106	106	136
80°	71	71	71
85°	42	42	42

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 504 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	509.2	64.9
10°-20°	209.5	26.7
20°-30°	41.6	5.3
30°-40°	10.4	1.3
40°-50°	5.5	0.7
50°-60°	4.0	0.5
60°-70°	2.9	0.4
70°-80°	1.6	0.2
80°-90°	0.5	0.1
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°	760.3	96.8
0°-40°	770.7	98.2
0°-60°	780.2	99.4
0°-90°	785.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	785.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10698	10698	10698	10698	10698	
5°	6960	6889	6870	6918	6924	508
15°	605	616	616	606	597	207
25°	71	81	91	80	72	37
35°	14	15	16	15	14	10
45°	7	7	7	7	7	5
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	1	1	1	1	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10697.7	10697.7	10697.7	10697.7	10697.7
2.5°	9649.8	9657.9	9661.1	9670.6	9705.9
5°	6960.2	6888.6	6870.1	6917.6	6924.4
7.5°	4122.9	4137.4	4190.4	4202.2	4159.6
10°	2262.5	2281.1	2278.4	2294.7	2313.3
12.5°	1157.1	1142.6	1138.1	1156.6	1130.8
15°	604.6	615.9	616.4	605.5	597.3
17.5°	325.2	338.3	360.0	342.4	315.2
20°	192.0	203.8	222.4	207.9	196.1
22.5°	118.7	128.2	141.3	130.0	120.5
25°	71.1	80.6	90.6	80.2	72.0
27.5°	42.1	50.3	56.6	49.8	41.7
30°	27.2	31.7	35.8	31.2	27.6
32.5°	19.0	20.8	22.6	20.8	19.0
35°	14.0	14.9	15.9	14.9	13.6
37.5°	10.9	11.8	12.2	11.3	10.4
40°	9.1	9.5	10.0	9.5	9.1
42.5°	7.7	8.2	8.2	8.2	7.7
45°	6.8	6.8	7.2	6.8	6.8
47.5°	5.9	5.9	6.3	5.9	5.9
50°	5.4	5.4	5.4	5.4	5.4
52.5°	5.0	5.0	5.0	5.0	5.0
55°	4.5	4.5	4.5	4.5	4.5
57.5°	4.1	4.1	4.1	4.1	4.1
60°	3.6	3.6	3.6	3.6	3.6
62.5°	3.2	3.2	3.2	3.2	3.2
65°	2.7	2.7	2.7	2.7	2.7
67.5°	2.7	2.7	2.7	2.7	2.7
70°	2.3	2.3	2.3	2.3	2.3
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.4	1.4	1.4	1.4	1.8
77.5°	1.4	1.4	1.4	1.4	1.4
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.5	0.5	0.5	0.5	0.5
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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