

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: P788348

Luminaire Tested: LER6D08D010-EC6DR300210IC9035-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788348  
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-EC6DR300210IC9035-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1472.4 lumens  
Efficiency: N/A  
Efficacy: 165.4 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

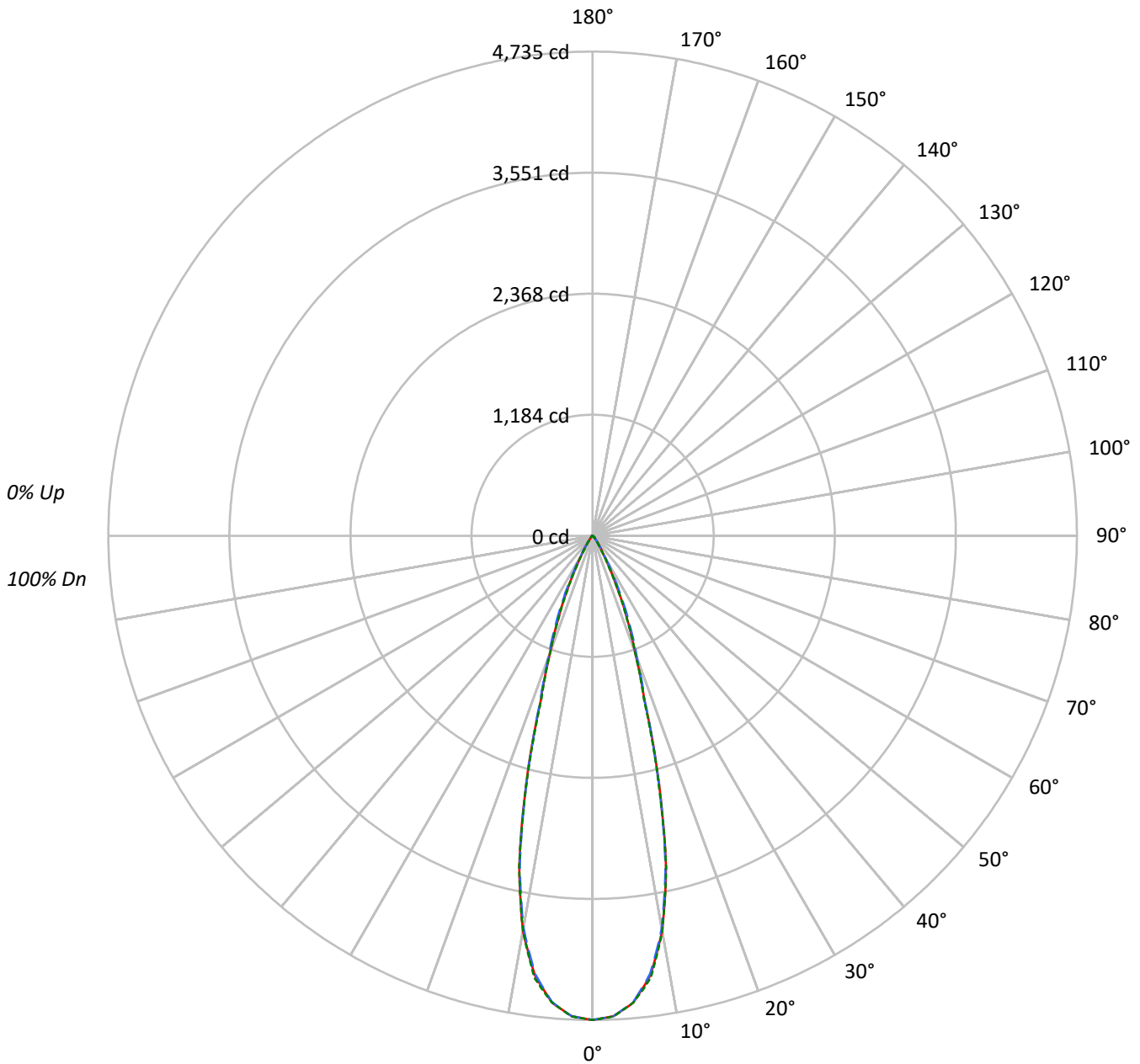
Input Watts (W): 8.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P788348  
CATALOG NUMBER: LER6D08D010-EC6DR300210IC9035-6LBS1H

### Luminous Intensity Polar Plot





TEST NUMBER: P788348

CATALOG NUMBER: LER6D08D010-EC6DR300210IC9035-6LBS1H

**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°	362402	362402	362402
5°	352000	351593	352015
10°	304889	302736	304811
15°	198925	197855	196857
20°	98912	102626	98781
25°	49829	56189	48807
30°	19948	21734	17385
35°	9251	8858	7429
40°	3997	4436	3767
45°	2814	3496	2847
50°	965	2548	1024
55°	560	1054	587
60°	398	459	398
65°	254	254	254
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: 3496 cd/sqm



TEST NUMBER: P788348

CATALOG NUMBER: LER6D08D010-EC6DR300210IC9035-6LBS1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	416.3	28.3
10°-20°	670.5	45.5
20°-30°	289.8	19.7
30°-40°	66.0	4.5
40°-50°	22.7	1.5
50°-60°	5.5	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°	1376.6	93.5
0°-40°	1442.6	98.0
0°-60°	1470.9	99.9
0°-90°	1472.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1472.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4735	4735	4735	4735	4735	
5°	4581	4577	4576	4585	4581	417
15°	2510	2480	2497	2489	2484	672
25°	590	612	665	597	578	282
35°	99	101	95	94	80	67
45°	26	32	32	32	26	18
55°	4	4	8	5	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	



TEST NUMBER: P788348

CATALOG NUMBER: LER6D08D010-EC6DR300210IC9035-6LBS1H

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4734.6	4734.6	4734.6	4734.6	4734.6
2.5°	4703.2	4700.0	4701.9	4704.2	4705.1
5°	4581.2	4576.8	4575.9	4585.4	4581.4
7.5°	4335.0	4328.8	4319.2	4340.9	4361.1
10°	3922.7	3915.7	3895.0	3905.2	3921.7
12.5°	3313.9	3291.3	3290.9	3323.4	3319.0
15°	2510.3	2480.1	2496.8	2488.7	2484.2
17.5°	1688.1	1676.5	1698.8	1692.0	1663.0
20°	1214.3	1217.4	1259.9	1238.5	1212.7
22.5°	886.1	897.0	947.5	892.4	872.2
25°	590.0	612.3	665.3	596.7	577.9
27.5°	362.9	373.1	426.8	358.2	348.0
30°	225.7	220.6	245.9	211.1	196.7
32.5°	148.1	141.6	149.7	134.4	122.7
35°	99.0	101.1	94.8	94.1	79.5
37.5°	61.8	71.1	62.8	66.9	51.1
40°	40.0	51.6	44.4	49.0	37.7
42.5°	32.8	39.7	36.5	38.8	33.5
45°	26.0	32.3	32.3	32.3	26.3
47.5°	14.4	21.6	27.7	22.1	15.3
50°	8.1	10.9	21.4	11.4	8.6
52.5°	5.6	6.3	14.6	6.5	5.8
55°	4.2	4.4	7.9	4.6	4.4
57.5°	3.3	3.5	4.2	3.5	3.3
60°	2.6	2.6	3.0	2.8	2.6
62.5°	1.9	1.9	2.1	1.9	1.9
65°	1.4	1.4	1.4	1.4	1.4
67.5°	0.7	0.9	0.9	0.9	0.9
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



Report Generated By 670245859 / DESKTOP-T8S5UU9

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

Scaled Data Report







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

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)