

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: P788384

Luminaire Tested: LER6D08D010-EC6DR350210IC9030-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788384  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D08D010-EC6DR350210IC9030-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 35° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1296.1 lumens  
Efficiency: N/A  
Efficacy: 145.6 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

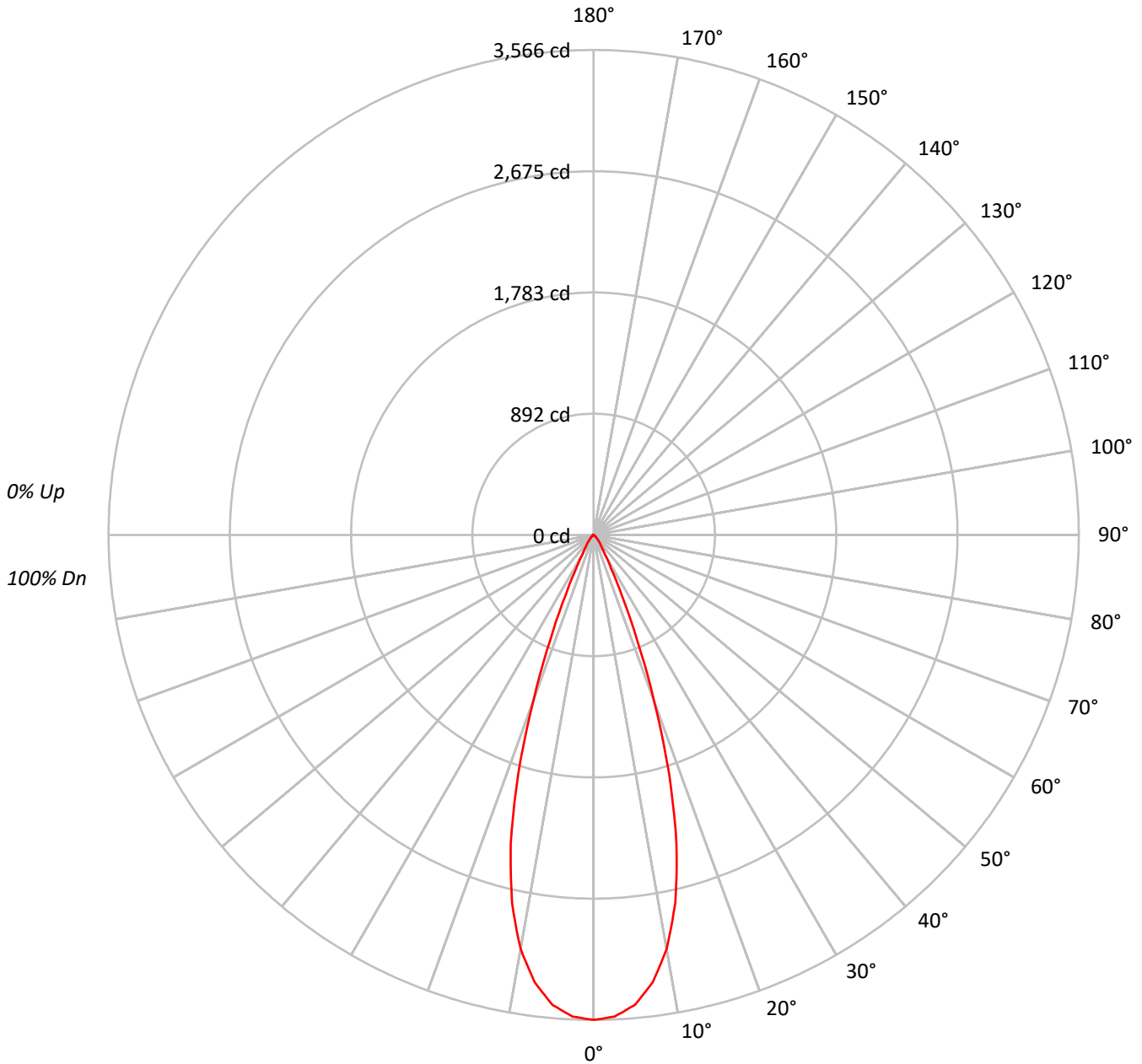
Input Watts (W): 8.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P788384  
CATALOG NUMBER: LER6D08D010-EC6DR350210IC9030-6LBDP1H

### Luminous Intensity Polar Plot





TEST NUMBER: P788384

CATALOG NUMBER: LER6D08D010-EC6DR350210IC9030-6LBDP1H

**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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100															
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96				96															
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92				92															
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88				88															
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84				84															
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81				81															
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78				78															
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75				75															
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72				72															
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70				70															
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68				68															

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

	0°
0°	389635
5°	380473
10°	342913
15°	266148
20°	150957
25°	58735
30°	21915
35°	12004
40°	7845
45°	4775
50°	3043
55°	2153
60°	1573
65°	853
70°	64
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4775 cd/sqm



TEST NUMBER: P788384

CATALOG NUMBER: LER6D08D010-EC6DR350210IC9030-6LBDP1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	319.0	24.6
10°-20°	622.9	48.1
20°-30°	254.1	19.6
30°-40°	60.8	4.7
40°-50°	25.3	2.0
50°-60°	10.5	0.8
60°-70°	3.3	0.3
70°-80°	0.1	0.0
80°-90°	0.1	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°	1196.0	92.3
0°-40°	1256.8	97.0
0°-60°	1292.6	99.7
0°-90°	1296.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1296.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3566	
5°	3469	319
15°	2353	623
25°	487	254
35°	90	61
45°	31	25
55°	11	10
65°	3	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P788384

CATALOG NUMBER: LER6D08D010-EC6DR350210IC9030-6LBDP1H

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3566.1
2.5°	3544.7
5°	3469.0
7.5°	3318.1
10°	3090.8
12.5°	2770.7
15°	2352.9
17.5°	1842.1
20°	1298.3
22.5°	827.9
25°	487.2
27.5°	275.4
30°	173.7
32.5°	121.9
35°	90.0
37.5°	69.6
40°	55.0
42.5°	42.4
45°	30.9
47.5°	23.1
50°	17.9
52.5°	14.2
55°	11.3
57.5°	9.1
60°	7.2
62.5°	5.3
65°	3.3
67.5°	1.2
70°	0.2
72.5°	0.2
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.2
85°	0.0
87.5°	0.0
90°	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





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

Scaled Data Report



— 0°-180°

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)