

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



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: P788721

Luminaire Tested: LER6D08D010-EC6DR700210IC9030-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788721  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D08D010-EC6DR700210IC9030-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1438.1 lumens  
Efficiency: N/A  
Efficacy: 161.6 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

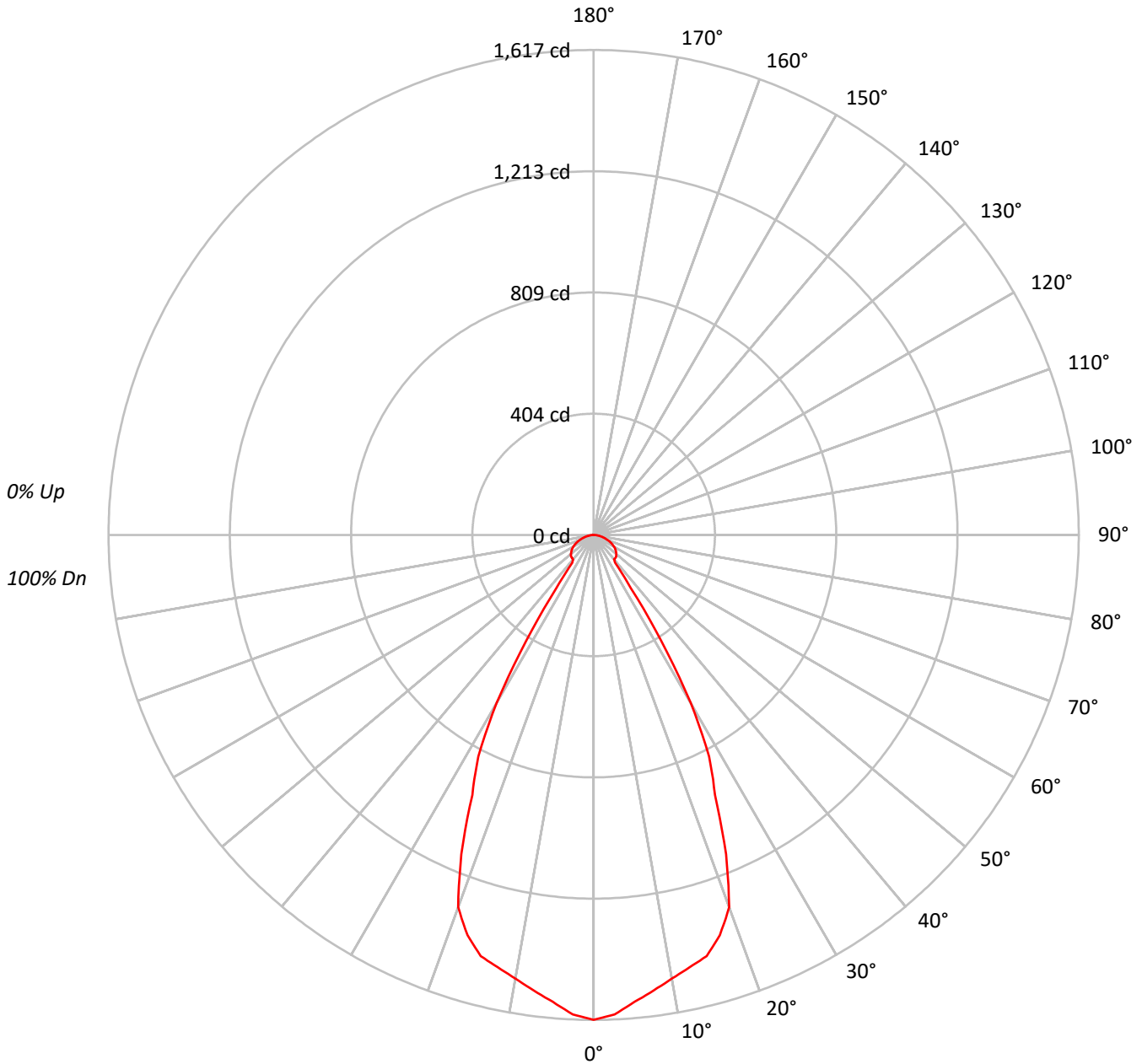
Input Watts (W): 8.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P788721  
CATALOG NUMBER: LER6D08D010-EC6DR700210IC9030-6LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P788721

CATALOG NUMBER: LER6D08D010-EC6DR700210IC9030-6LBDP1LI

**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																			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

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

	0°
0°	176664
5°	171416
10°	166630
15°	164447
20°	153562
25°	115360
30°	81552
35°	28891
40°	15190
45°	16178
50°	16760
55°	17068
60°	17176
65°	16805
70°	15877
75°	14691
80°	13025
85°	10530

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 17183 cd/sqm



TEST NUMBER: P788721

CATALOG NUMBER: LER6D08D010-EC6DR700210IC9030-6LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.4	10.3
10°-20°	404.3	28.1
20°-30°	445.3	31.0
30°-40°	170.2	11.8
40°-50°	80.3	5.6
50°-60°	79.9	5.6
60°-70°	63.9	4.4
70°-80°	36.8	2.6
80°-90°	10.0	0.7
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°	997.1	69.3
0°-40°	1167.2	81.2
0°-60°	1327.5	92.3
0°-90°	1438.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1438.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1617	
5°	1563	147
15°	1454	404
25°	957	445
35°	217	170
45°	105	80
55°	90	80
65°	65	64
75°	35	37
85°	8	10
90°	0	



TEST NUMBER: P788721

CATALOG NUMBER: LER6D08D010-EC6DR700210IC9030-6LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1616.9
2.5°	1600.0
5°	1562.9
7.5°	1531.9
10°	1501.9
12.5°	1476.6
15°	1453.8
17.5°	1398.8
20°	1320.7
22.5°	1152.3
25°	956.9
27.5°	833.0
30°	646.4
32.5°	417.5
35°	216.6
37.5°	117.0
40°	106.5
42.5°	105.7
45°	104.7
47.5°	102.4
50°	98.6
52.5°	94.2
55°	89.6
57.5°	84.5
60°	78.6
62.5°	71.9
65°	65.0
67.5°	57.3
70°	49.7
72.5°	42.0
75°	34.8
77.5°	27.4
80°	20.7
82.5°	14.6
85°	8.4
87.5°	3.3
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)