

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: P787377

Luminaire Tested: LER6D02D010-EC6DR600210IC9030-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P787377  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D02D010-EC6DR600210IC9030-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 666.2 lumens  
Efficiency: N/A  
Efficacy: 130.6 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.84  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.1  
Input Voltage (V): NR  
Input Current (Ain): 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

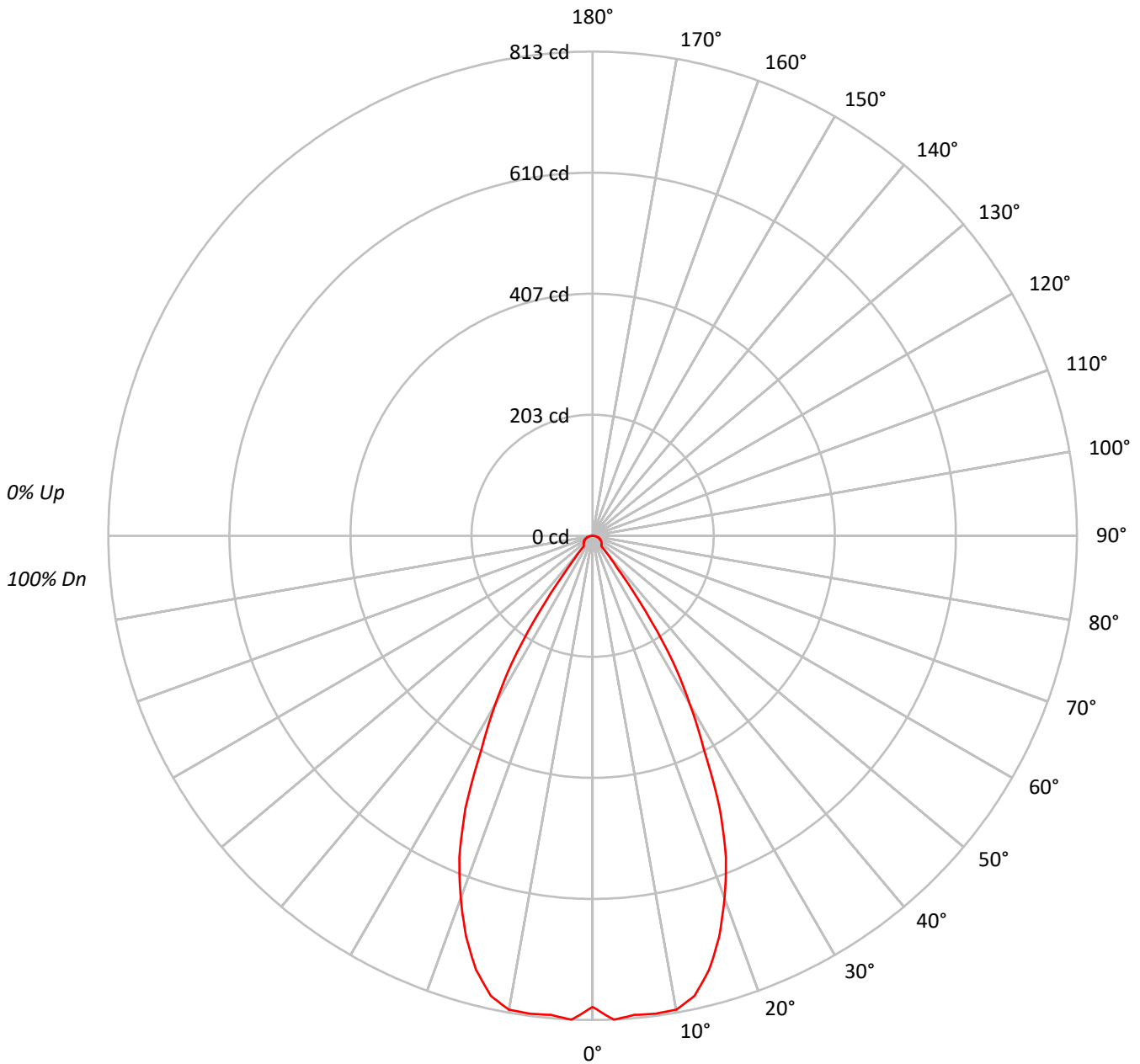


Downlight

TEST NUMBER: P787377

CATALOG NUMBER: LER6D02D010-EC6DR600210IC9030-6LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P787377

CATALOG NUMBER: LER6D02D010-EC6DR600210IC9030-6LBDP1LI

**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				100															
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93															
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86				86															
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80				80															
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75				75															
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70				70															
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66				66															
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62				62															
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59				59															
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55				55															
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53				53															

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

	0°
0°	86436
5°	88565
10°	89633
15°	85391
20°	75287
25°	60893
30°	41192
35°	20634
40°	3352
45°	3276
50°	3349
55°	3391
60°	3496
65°	3568
70°	3642
75°	3715
80°	3586
85°	3009

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 3715 cd/sqm



TEST NUMBER: P787377

CATALOG NUMBER: LER6D02D010-EC6DR600210IC9030-6LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.2	11.6
10°-20°	208.8	31.3
20°-30°	224.7	33.7
30°-40°	97.6	14.7
40°-50°	16.4	2.5
50°-60°	15.9	2.4
60°-70°	13.6	2.0
70°-80°	9.1	1.4
80°-90°	2.7	0.4
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°	510.6	76.7
0°-40°	608.3	91.3
0°-60°	640.6	96.2
0°-90°	666.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	666.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	791	
5°	808	77
15°	755	209
25°	505	225
35°	155	98
45°	21	16
55°	18	16
65°	14	14
75°	9	9
85°	2	3
90°	0	



TEST NUMBER: P787377

CATALOG NUMBER: LER6D02D010-EC6DR600210IC9030-6LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	791.1
2.5°	813.3
5°	807.5
7.5°	809.3
10°	807.9
12.5°	791.2
15°	754.9
17.5°	706.1
20°	647.5
22.5°	584.8
25°	505.1
27.5°	404.0
30°	326.5
32.5°	251.6
35°	154.7
37.5°	66.2
40°	23.5
42.5°	21.6
45°	21.2
47.5°	20.5
50°	19.7
52.5°	18.7
55°	17.8
57.5°	16.9
60°	16.0
62.5°	14.9
65°	13.8
67.5°	12.7
70°	11.4
72.5°	10.1
75°	8.8
77.5°	7.2
80°	5.7
82.5°	4.0
85°	2.4
87.5°	0.8
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)