

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: P787010

Luminaire Tested: LER6D02D010-EC6DR200210IC9040-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P787010  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D02D010-EC6DR200210IC9040-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 384.0 lumens  
Efficiency: N/A  
Efficacy: 75.3 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

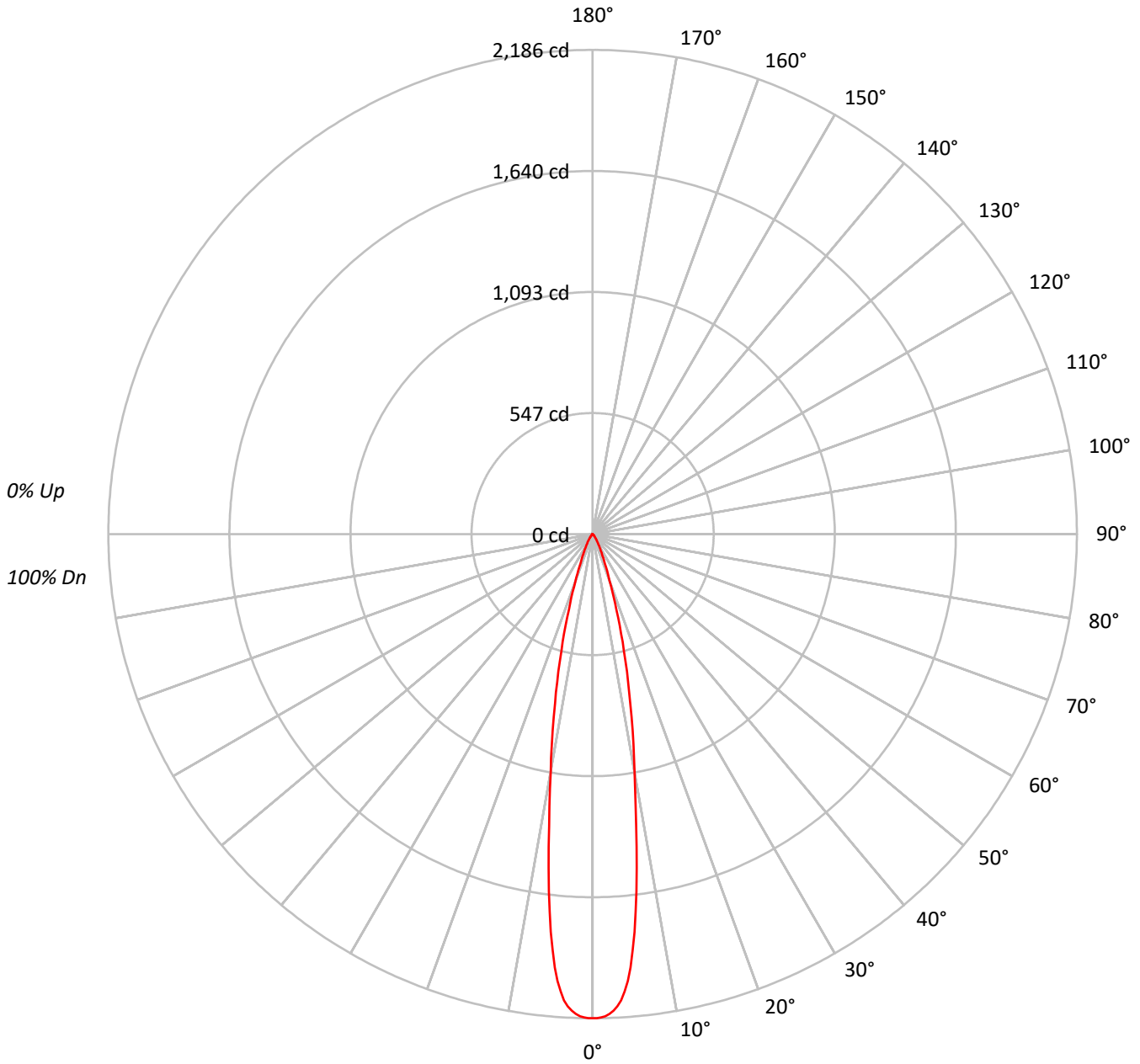
Input Watts (W): 5.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P787010  
CATALOG NUMBER: LER6D02D010-EC6DR200210IC9040-6LBDP1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P787010

CATALOG NUMBER: LER6D02D010-EC6DR200210IC9040-6LBDP1MW

**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	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	97	97																
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	94	94																
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	91	91																
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	88	88																
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	85	85																
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	83	83																
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	81	81																
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	79	79																
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	77	77																
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	75	75																

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

	0°
0°	238811
5°	215452
10°	120920
15°	61467
20°	26022
25°	12019
30°	6359
35°	3428
40°	1826
45°	1082
50°	629
55°	343
60°	219
65°	155
70°	64
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1082 cd/sqm



TEST NUMBER: P787010

CATALOG NUMBER: LER6D02D010-EC6DR200210IC9040-6LBDP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.6	40.5
10°-20°	153.2	39.9
20°-30°	50.1	13.0
30°-40°	17.0	4.4
40°-50°	5.7	1.5
50°-60°	1.7	0.5
60°-70°	0.6	0.2
70°-80°	0.0	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°	358.9	93.5
0°-40°	376.0	97.9
0°-60°	383.4	99.8
0°-90°	384.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	384.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2186	
5°	1964	156
15°	543	153
25°	100	50
35°	26	17
45°	7	6
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P787010

CATALOG NUMBER: LER6D02D010-EC6DR200210IC9040-6LBDP1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2185.7
0.5°	2185.7
1°	2183.0
1.5°	2177.6
2°	2167.6
2.5°	2154.4
3°	2135.7
3.5°	2109.6
4°	2070.9
4.5°	2023.8
5°	1964.4
5.5°	1886.4
6°	1806.4
6.5°	1714.7
7°	1625.0
7.5°	1519.9
8°	1426.1
8.5°	1331.7
9°	1244.5
9.5°	1164.5
10°	1089.9
12.5°	782.6
15°	543.4
17.5°	355.0
20°	223.8
22.5°	145.0
25°	99.7
27.5°	70.1
30°	50.4
32.5°	36.2
35°	25.7
37.5°	17.9
40°	12.8
42.5°	9.3
45°	7.0
47.5°	5.4
50°	3.7
52.5°	2.3
55°	1.8
57.5°	1.4
60°	1.0
62.5°	0.8
65°	0.6



TEST NUMBER: P787010  
CATALOG NUMBER: LER6D02D010-EC6DR200210IC9040-6LBDP1MW

**CANDELA DISTRIBUTION (continued):**

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
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





67.5°		0.4
70°		0.2

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

Scaled Data Report



(END OF REPORT)