

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: P788873

Luminaire Tested: LER6D10D010-EC6DR200210IC9035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788873
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: LER6D10D010-EC6DR200210IC9035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1220.8 lumens
Efficiency: N/A
Efficacy: 104.3 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

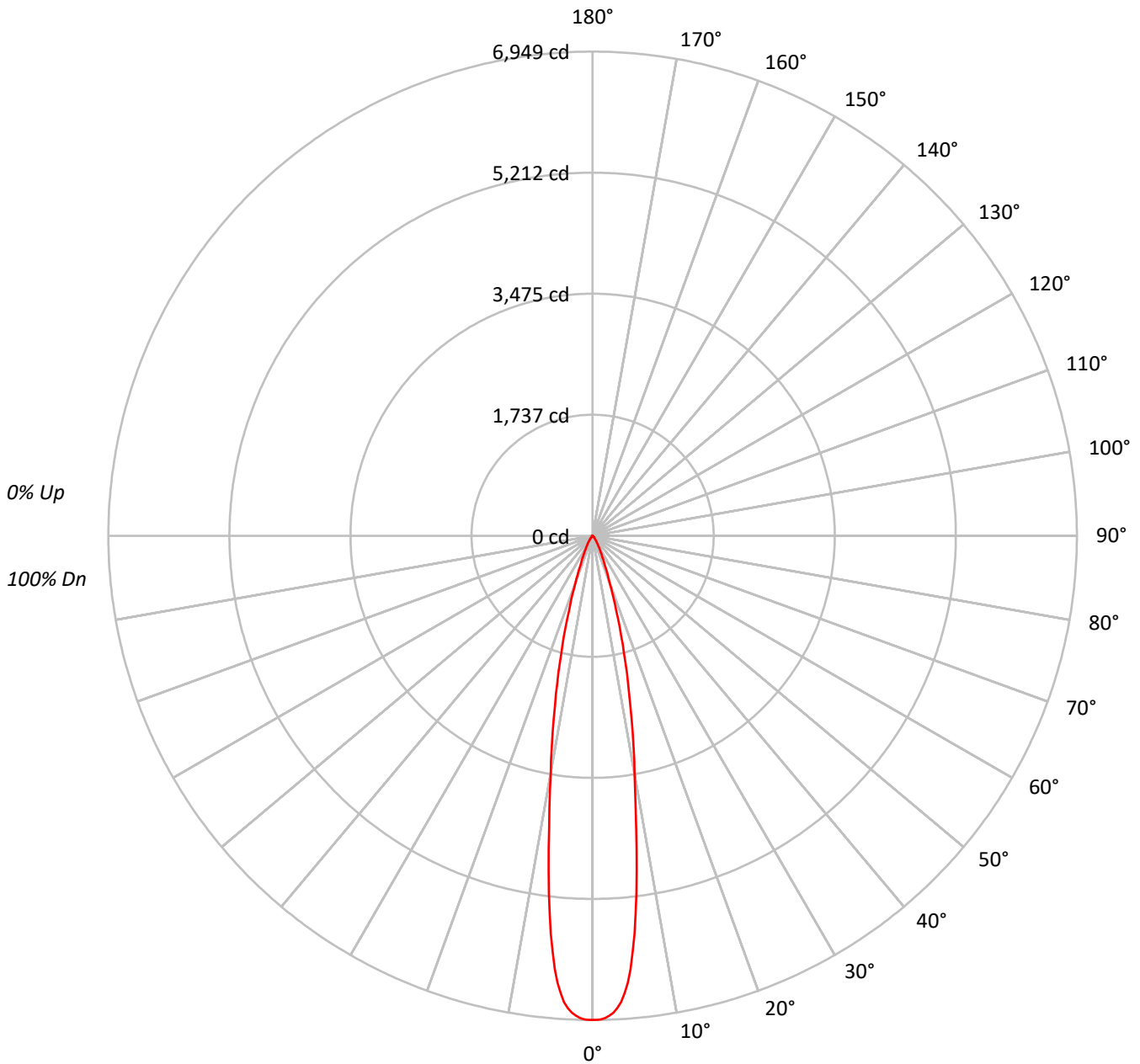
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P788873
CATALOG NUMBER: LER6D10D010-EC6DR200210IC9035-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P788873

CATALOG NUMBER: LER6D10D010-EC6DR200210IC9035-6LBDP1LI

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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	98	99	97															
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	98	96	95															
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	98	96	95															
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	93	91	89															
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	91	88	86															
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	88	86	84															
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	86	84	82															
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	84	82	80															
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	82	80	78															
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	81	78	76															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	759209
5°	684940
10°	384429
15°	195418
20°	82740
25°	38192
30°	20224
35°	10897
40°	5819
45°	3446
50°	2006
55°	1067
60°	677
65°	491
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3446 cd/sqm



TEST NUMBER: P788873

CATALOG NUMBER: LER6D10D010-EC6DR200210IC9035-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	494.7	40.5
10°-20°	487.2	39.9
20°-30°	159.2	13.0
30°-40°	54.2	4.4
40°-50°	18.2	1.5
50°-60°	5.5	0.4
60°-70°	1.8	0.2
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°	1141.0	93.5
0°-40°	1195.2	97.9
0°-60°	1218.9	99.8
0°-90°	1220.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1220.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6949	
5°	6245	495
15°	1728	487
25°	317	159
35°	82	54
45°	22	18
55°	6	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P788873

CATALOG NUMBER: LER6D10D010-EC6DR200210IC9035-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	6948.6
0.5°	6948.6
1°	6939.9
1.5°	6922.6
2°	6891.0
2.5°	6848.9
3°	6789.5
3.5°	6706.6
4°	6583.5
4.5°	6433.8
5°	6245.0
5.5°	5996.9
6°	5742.6
6.5°	5451.2
7°	5165.9
7.5°	4831.8
8°	4533.6
8.5°	4233.5
9°	3956.3
9.5°	3702.0
10°	3465.0
12.5°	2488.0
15°	1727.6
17.5°	1128.6
20°	711.6
22.5°	461.0
25°	316.8
27.5°	222.8
30°	160.3
32.5°	115.1
35°	81.7
37.5°	56.9
40°	40.8
42.5°	29.7
45°	22.3
47.5°	17.3
50°	11.8
52.5°	7.4
55°	5.6
57.5°	4.3
60°	3.1
62.5°	2.5
65°	1.9



TEST NUMBER: P788873

CATALOG NUMBER: LER6D10D010-EC6DR200210IC9035-6LBDP1LI

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°		1.2
70°		0.6

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

Scaled Data Report



(END OF REPORT)