

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: P786991

Luminaire Tested: LER6D02D010-EC6DR200210IC9030-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786991
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-EC6DR200210IC9030-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 329.2 lumens
Efficiency: N/A
Efficacy: 64.6 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_{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

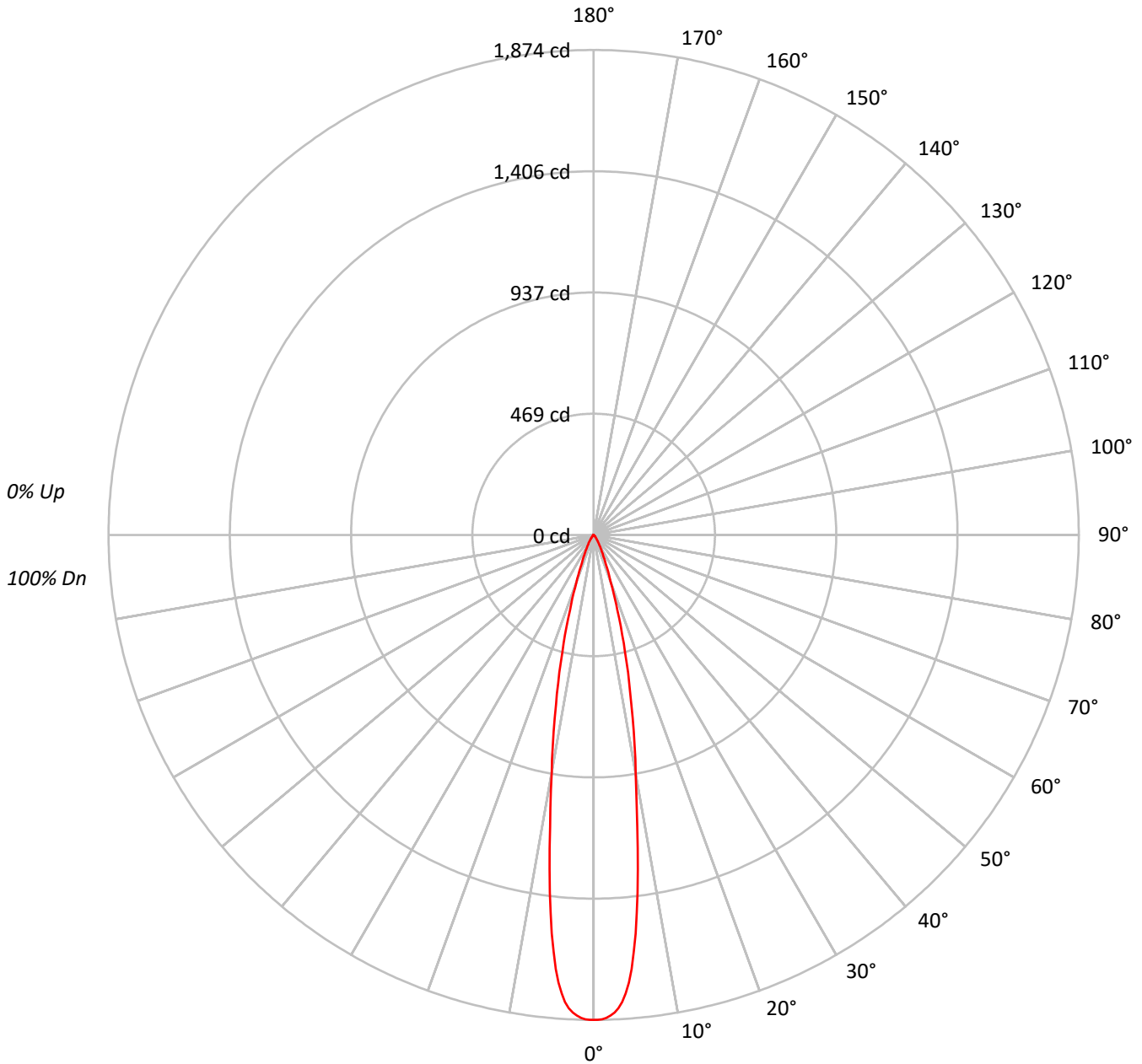


Downlight

TEST NUMBER: P786991

CATALOG NUMBER: LER6D02D010-EC6DR200210IC9030-6LBDP1B

Luminous Intensity Polar Plot



0% Up
100% Dn



TEST NUMBER: P786991

CATALOG NUMBER: LER6D02D010-EC6DR200210IC9030-6LBDP1B

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	98	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	93	92															
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°	204755
5°	184720
10°	103679
15°	52700
20°	22313
25°	10295
30°	5450
35°	2934
40°	1569
45°	927
50°	544
55°	286
60°	175
65°	129
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 927 cd/sqm



TEST NUMBER: P786991

CATALOG NUMBER: LER6D02D010-EC6DR200210IC9030-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.4	40.5
10°-20°	131.4	39.9
20°-30°	42.9	13.0
30°-40°	14.6	4.4
40°-50°	4.9	1.5
50°-60°	1.5	0.5
60°-70°	0.5	0.1
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°	307.7	93.5
0°-40°	322.3	97.9
0°-60°	328.7	99.8
0°-90°	329.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	329.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1874	
5°	1684	133
15°	466	131
25°	85	43
35°	22	15
45°	6	5
55°	2	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P786991

CATALOG NUMBER: LER6D02D010-EC6DR200210IC9030-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	1874.0
0.5°	1874.0
1°	1871.6
1.5°	1866.9
2°	1858.4
2.5°	1847.1
3°	1831.1
3.5°	1808.7
4°	1775.5
4.5°	1735.1
5°	1684.2
5.5°	1617.3
6°	1548.7
6.5°	1470.1
7°	1393.2
7.5°	1303.1
8°	1222.7
8.5°	1141.7
9°	1067.0
9.5°	998.4
10°	934.5
12.5°	671.0
15°	465.9
17.5°	304.4
20°	191.9
22.5°	124.3
25°	85.4
27.5°	60.1
30°	43.2
32.5°	31.0
35°	22.0
37.5°	15.4
40°	11.0
42.5°	8.0
45°	6.0
47.5°	4.7
50°	3.2
52.5°	2.0
55°	1.5
57.5°	1.2
60°	0.8
62.5°	0.7
65°	0.5



TEST NUMBER: P786991

CATALOG NUMBER: LER6D02D010-EC6DR200210IC9030-6LBDP1B

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





— 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°		0.3
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)