

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: P790044

Luminaire Tested: LER6D20D010-EC6DR1515309027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790044
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D20D010-EC6DR1515309027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1974.5 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 23.1
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

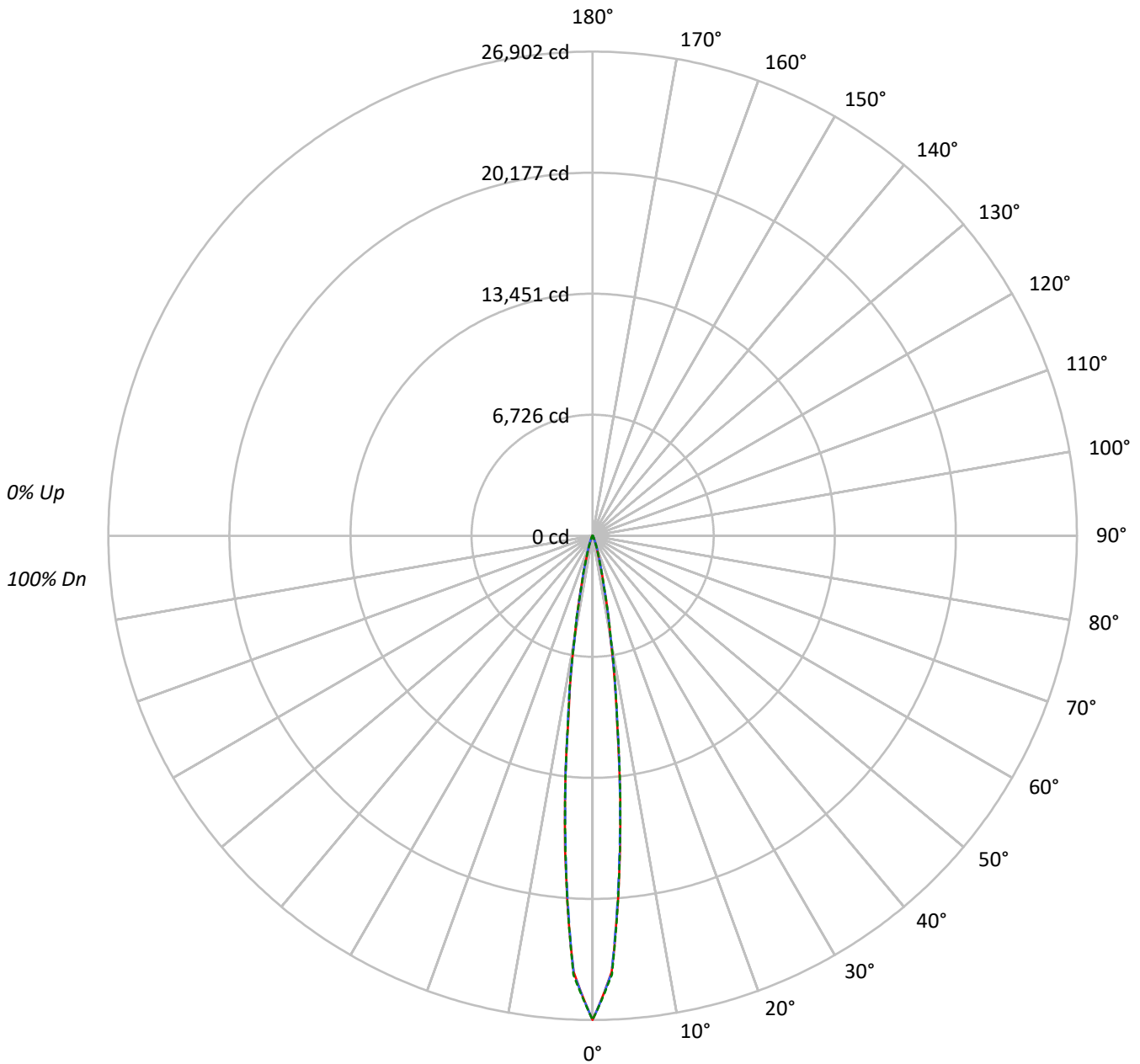


Downlight

TEST NUMBER: P790044

CATALOG NUMBER: LER6D20D010-EC6DR1515309027-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P790044

CATALOG NUMBER: LER6D20D010-EC6DR1515309027-6LBS1H

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	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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3026955	3026955	3026955
5°	1778780	1755751	1769634
10°	530883	534606	542789
15°	132048	134628	130468
20°	39512	45755	40347
25°	13929	17746	14108
30°	5114	6739	5204
35°	2563	2898	2484
40°	1619	1782	1619
45°	1197	1274	1197
50°	953	953	953
55°	793	793	793
60°	639	639	639
65°	485	485	485
70°	417	417	417
75°	257	257	348
80°	181	181	181
85°	91	91	91

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1274 cd/sqm



TEST NUMBER: P790044

CATALOG NUMBER: LER6D20D010-EC6DR1515309027-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1280.6	64.9
10°-20°	526.7	26.7
20°-30°	104.6	5.3
30°-40°	26.1	1.3
40°-50°	13.7	0.7
50°-60°	10.2	0.5
60°-70°	7.2	0.4
70°-80°	4.1	0.2
80°-90°	1.2	0.1
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°	1911.9	96.8
0°-40°	1938.0	98.2
0°-60°	1961.9	99.4
0°-90°	1974.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1974.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26902	26902	26902	26902	26902	
5°	17503	17323	17276	17396	17413	1278
15°	1520	1549	1550	1523	1502	521
25°	179	203	228	202	181	94
35°	35	38	40	38	34	24
45°	17	17	18	17	17	13
55°	11	11	11	11	11	10
65°	7	7	7	7	7	7
75°	3	3	3	3	5	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



TEST NUMBER: P790044

CATALOG NUMBER: LER6D20D010-EC6DR1515309027-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	26901.5	26901.5	26901.5	26901.5	26901.5
2.5°	24266.2	24286.7	24294.7	24318.6	24407.4
5°	17502.7	17322.8	17276.1	17395.7	17412.7
7.5°	10367.9	10404.4	10537.6	10567.2	10460.2
10°	5689.6	5736.3	5729.5	5770.5	5817.2
12.5°	2909.7	2873.3	2861.9	2908.6	2843.7
15°	1520.3	1548.8	1550.0	1522.6	1502.1
17.5°	817.7	850.7	905.4	861.0	792.6
20°	482.9	512.5	559.2	522.7	493.1
22.5°	298.4	322.3	355.3	326.8	302.9
25°	178.8	202.7	227.8	201.6	181.1
27.5°	105.9	126.4	142.4	125.3	104.8
30°	68.3	79.7	90.0	78.6	69.5
32.5°	47.8	52.4	56.9	52.4	47.8
35°	35.3	37.6	39.9	37.6	34.2
37.5°	27.3	29.6	30.7	28.5	26.2
40°	22.8	23.9	25.1	23.9	22.8
42.5°	19.4	20.5	20.5	20.5	19.4
45°	17.1	17.1	18.2	17.1	17.1
47.5°	14.8	14.8	15.9	14.8	14.8
50°	13.7	13.7	13.7	13.7	13.7
52.5°	12.5	12.5	12.5	12.5	12.5
55°	11.4	11.4	11.4	11.4	11.4
57.5°	10.2	10.2	10.2	10.2	10.2
60°	9.1	9.1	9.1	9.1	9.1
62.5°	8.0	8.0	8.0	8.0	8.0
65°	6.8	6.8	6.8	6.8	6.8
67.5°	6.8	6.8	6.8	6.8	6.8
70°	5.7	5.7	5.7	5.7	5.7
72.5°	4.6	4.6	4.6	4.6	4.6
75°	3.4	3.4	3.4	3.4	4.6
77.5°	3.4	3.4	3.4	3.4	3.4
80°	2.3	2.3	2.3	2.3	2.3
82.5°	2.3	2.3	2.3	2.3	2.3
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	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° - - 45°-225° - - - - 90°-270°

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)