

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: P789482

Luminaire Tested: LER6D15D010-EC6DR2015309027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789482
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: LER6D15D010-EC6DR2015309027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1508.7 lumens
Efficiency: N/A
Efficacy: 95.5 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): 15.8
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

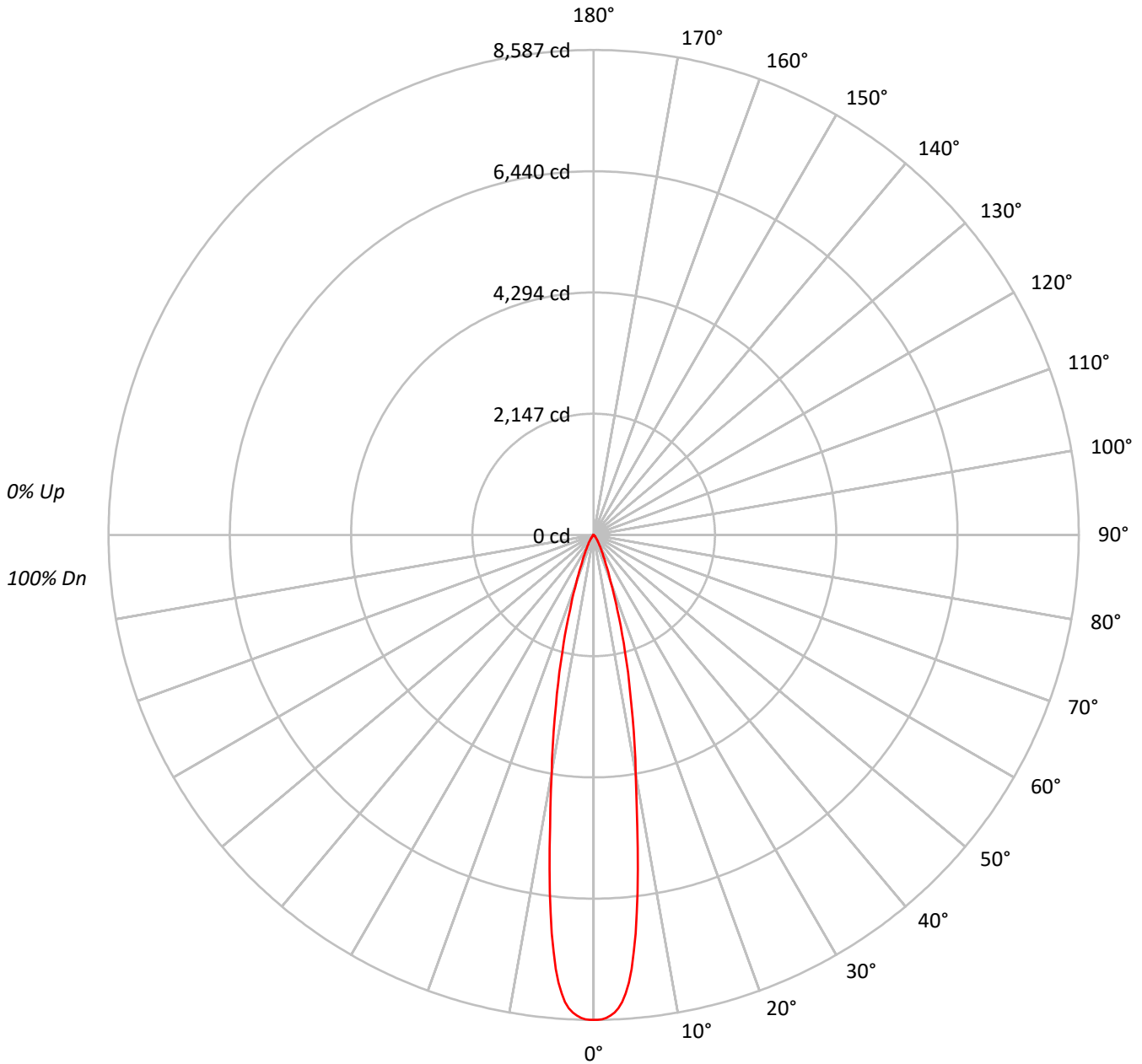


Downlight

TEST NUMBER: P789482

CATALOG NUMBER: LER6D15D010-EC6DR2015309027-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P789482

CATALOG NUMBER: LER6D15D010-EC6DR2015309027-6LBS1H

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	938233
5°	846463
10°	475083
15°	241489
20°	102250
25°	47198
30°	24980
35°	13458
40°	7203
45°	4249
50°	2465
55°	1314
60°	830
65°	595
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4249 cd/sqm



TEST NUMBER: P789482

CATALOG NUMBER: LER6D15D010-EC6DR2015309027-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	611.4	40.5
10°-20°	602.0	39.9
20°-30°	196.7	13.0
30°-40°	66.9	4.4
40°-50°	22.5	1.5
50°-60°	6.8	0.5
60°-70°	2.3	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°	1410.1	93.5
0°-40°	1477.0	97.9
0°-60°	1506.3	99.8
0°-90°	1508.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1508.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8587	
5°	7718	611
15°	2135	602
25°	392	197
35°	101	67
45°	28	23
55°	7	7
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P789482

CATALOG NUMBER: LER6D15D010-EC6DR2015309027-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	8587.1
0.5°	8587.1
1°	8576.4
1.5°	8555.0
2°	8516.0
2.5°	8464.0
3°	8390.6
3.5°	8288.1
4°	8135.9
4.5°	7950.9
5°	7717.7
5.5°	7411.1
6°	7096.8
6.5°	6736.6
7°	6384.1
7.5°	5971.2
8°	5602.6
8.5°	5231.8
9°	4889.2
9.5°	4574.9
10°	4282.1
12.5°	3074.7
15°	2134.9
17.5°	1394.7
20°	879.4
22.5°	569.7
25°	391.5
27.5°	275.3
30°	198.0
32.5°	142.2
35°	100.9
37.5°	70.3
40°	50.5
42.5°	36.7
45°	27.5
47.5°	21.4
50°	14.5
52.5°	9.2
55°	6.9
57.5°	5.4
60°	3.8
62.5°	3.1
65°	2.3



TEST NUMBER: P789482

CATALOG NUMBER: LER6D15D010-EC6DR2015309027-6LBS1H

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



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

Scaled Data Report



67.5°		1.5
70°		0.8

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

Scaled Data Report



(END OF REPORT)