

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: P789514

Luminaire Tested: LER6D15D010-EC6DR2015309050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789514
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-EC6DR2015309050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1753.6 lumens
Efficiency: N/A
Efficacy: 111.0 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

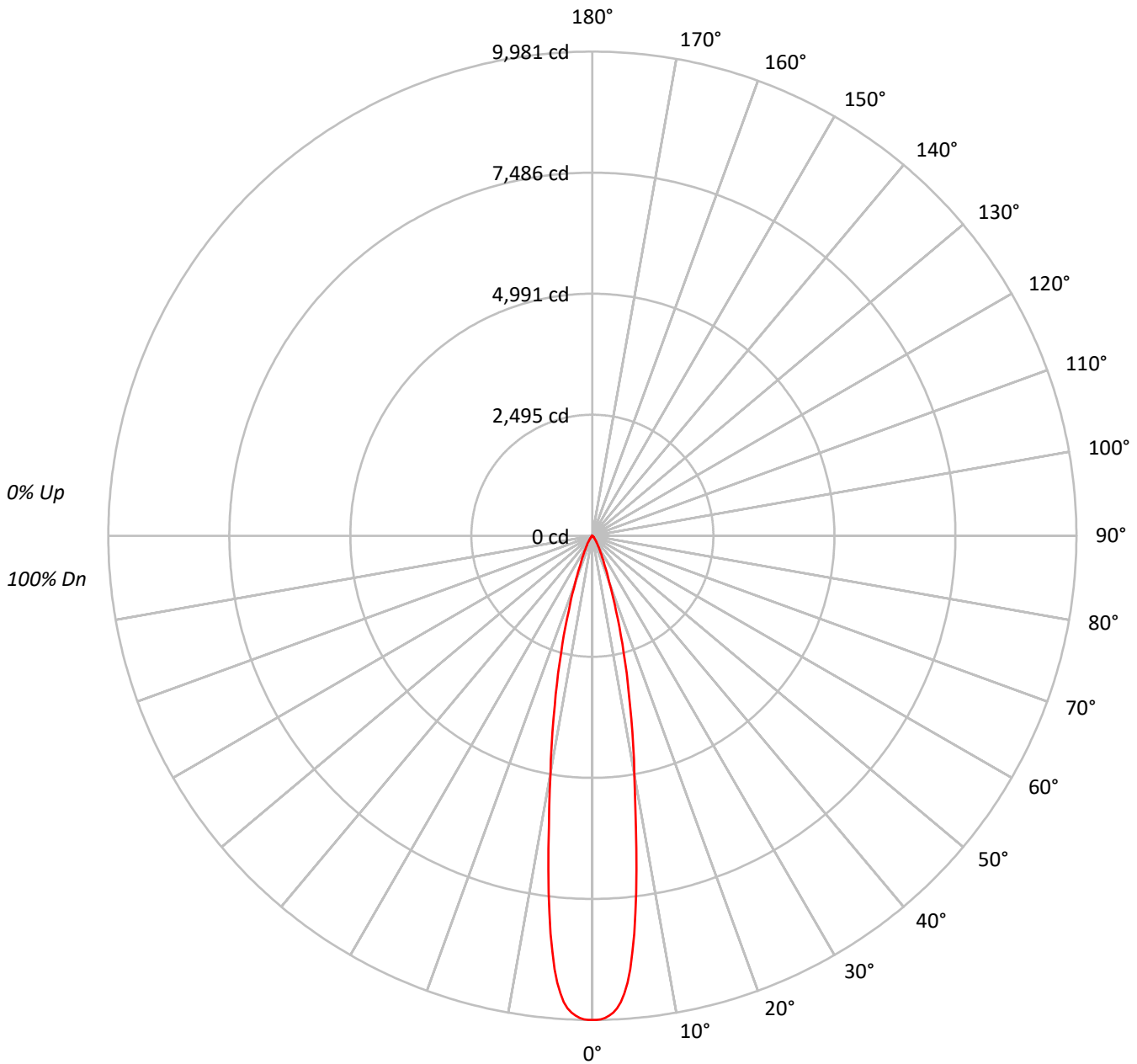
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P789514
CATALOG NUMBER: LER6D15D010-EC6DR2015309050-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P789514

CATALOG NUMBER: LER6D15D010-EC6DR2015309050-6LBS1LI

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	96	95															
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	96	94	93															
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	94	92	91															
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	92	90	89															
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	90	88	87															
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	88	86	85															
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	86	84	83															
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	84	82	81															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1090532
5°	983868
10°	552202
15°	280695
20°	118842
25°	54865
30°	29043
35°	15646
40°	8372
45°	4945
50°	2873
55°	1524
60°	961
65°	698
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4945 cd/sqm



TEST NUMBER: P789514

CATALOG NUMBER: LER6D15D010-EC6DR2015309050-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	710.6	40.5
10°-20°	699.7	39.9
20°-30°	228.6	13.0
30°-40°	77.8	4.4
40°-50°	26.2	1.5
50°-60°	7.9	0.4
60°-70°	2.6	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°	1639.0	93.5
0°-40°	1716.8	97.9
0°-60°	1750.9	99.8
0°-90°	1753.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1753.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9981	
5°	8970	711
15°	2482	700
25°	455	229
35°	117	78
45°	32	26
55°	8	8
65°	3	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P789514

CATALOG NUMBER: LER6D15D010-EC6DR2015309050-6LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	9981.0
0.5°	9981.0
1°	9968.6
1.5°	9943.7
2°	9898.3
2.5°	9837.9
3°	9752.6
3.5°	9633.5
4°	9456.6
4.5°	9241.5
5°	8970.5
5.5°	8614.1
6°	8248.8
6.5°	7830.1
7°	7420.4
7.5°	6940.5
8°	6512.1
8.5°	6081.0
9°	5682.9
9.5°	5317.6
10°	4977.2
12.5°	3573.8
15°	2481.5
17.5°	1621.1
20°	1022.1
22.5°	662.1
25°	455.1
27.5°	320.0
30°	230.2
32.5°	165.3
35°	117.3
37.5°	81.8
40°	58.7
42.5°	42.7
45°	32.0
47.5°	24.9
50°	16.9
52.5°	10.7
55°	8.0
57.5°	6.2
60°	4.4
62.5°	3.6
65°	2.7



TEST NUMBER: P789514

CATALOG NUMBER: LER6D15D010-EC6DR2015309050-6LBS1LI

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°		1.8
70°		0.9

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

Scaled Data Report



(END OF REPORT)