

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: P786630

Luminaire Tested: LERS6D15D010-EC6DR2015309027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786630
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: LERS6D15D010-EC6DR2015309027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1411.8 lumens
Efficiency: N/A
Efficacy: 89.4 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

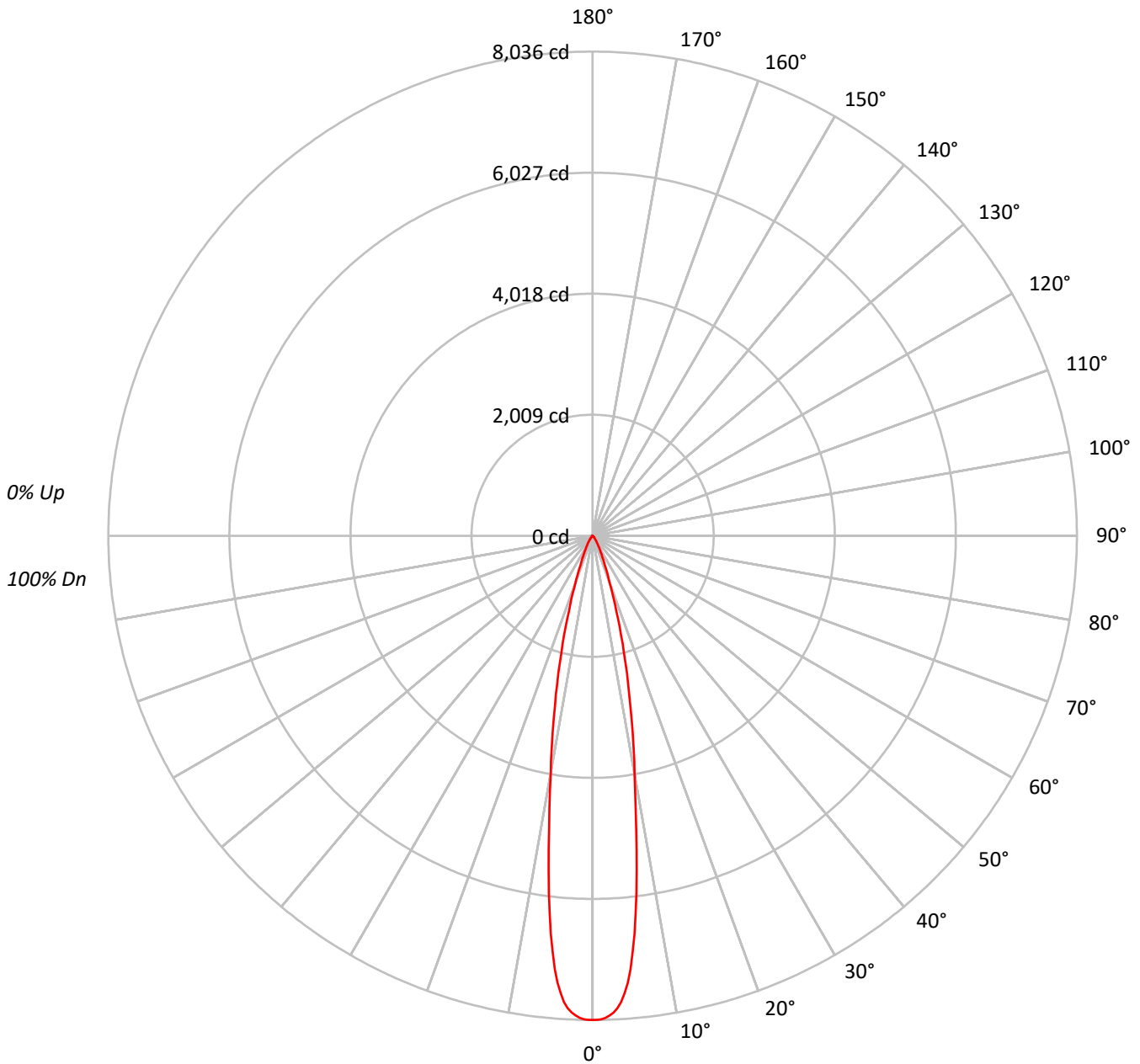
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P786630
CATALOG NUMBER: LERS6D15D010-EC6DR2015309027-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P786630

CATALOG NUMBER: LERS6D15D010-EC6DR2015309027-6LBS1B

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°	877976
5°	792095
10°	444562
15°	225981
20°	95681
25°	44172
30°	23378
35°	12605
40°	6732
45°	3987
50°	2312
55°	1219
60°	787
65°	543
70°	224
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3987 cd/sqm



TEST NUMBER: P786630

CATALOG NUMBER: LERS6D15D010-EC6DR2015309027-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.1	40.5
10°-20°	563.4	39.9
20°-30°	184.0	13.0
30°-40°	62.7	4.4
40°-50°	21.1	1.5
50°-60°	6.3	0.4
60°-70°	2.1	0.1
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°	1319.5	93.5
0°-40°	1382.2	97.9
0°-60°	1409.6	99.8
0°-90°	1411.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1411.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8036	
5°	7222	572
15°	1998	563
25°	366	184
35°	94	63
45°	26	21
55°	6	6
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P786630
CATALOG NUMBER: LERS6D15D010-EC6DR2015309027-6LBS1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	8035.6
0.5°	8035.6
1°	8025.5
1.5°	8005.5
2°	7969.0
2.5°	7920.4
3°	7851.7
3.5°	7755.8
4°	7613.4
4.5°	7440.2
5°	7222.0
5.5°	6935.0
6°	6641.0
6.5°	6303.9
7°	5974.1
7.5°	5587.7
8°	5242.8
8.5°	4895.7
9°	4575.2
9.5°	4281.1
10°	4007.0
12.5°	2877.2
15°	1997.8
17.5°	1305.2
20°	822.9
22.5°	533.1
25°	366.4
27.5°	257.6
30°	185.3
32.5°	133.1
35°	94.5
37.5°	65.8
40°	47.2
42.5°	34.3
45°	25.8
47.5°	20.0
50°	13.6
52.5°	8.6
55°	6.4
57.5°	5.0
60°	3.6
62.5°	2.9
65°	2.1



TEST NUMBER: P786630
CATALOG NUMBER: LERS6D15D010-EC6DR2015309027-6LBS1B

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°		1.4
70°		0.7

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

Scaled Data Report



(END OF REPORT)