

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: P786784

Luminaire Tested: LERS6D15D010-EC6DR500215IC9050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786784
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LERS6D15D010-EC6DR500215IC9050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2853.5 lumens
Efficiency: N/A
Efficacy: 180.6 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
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

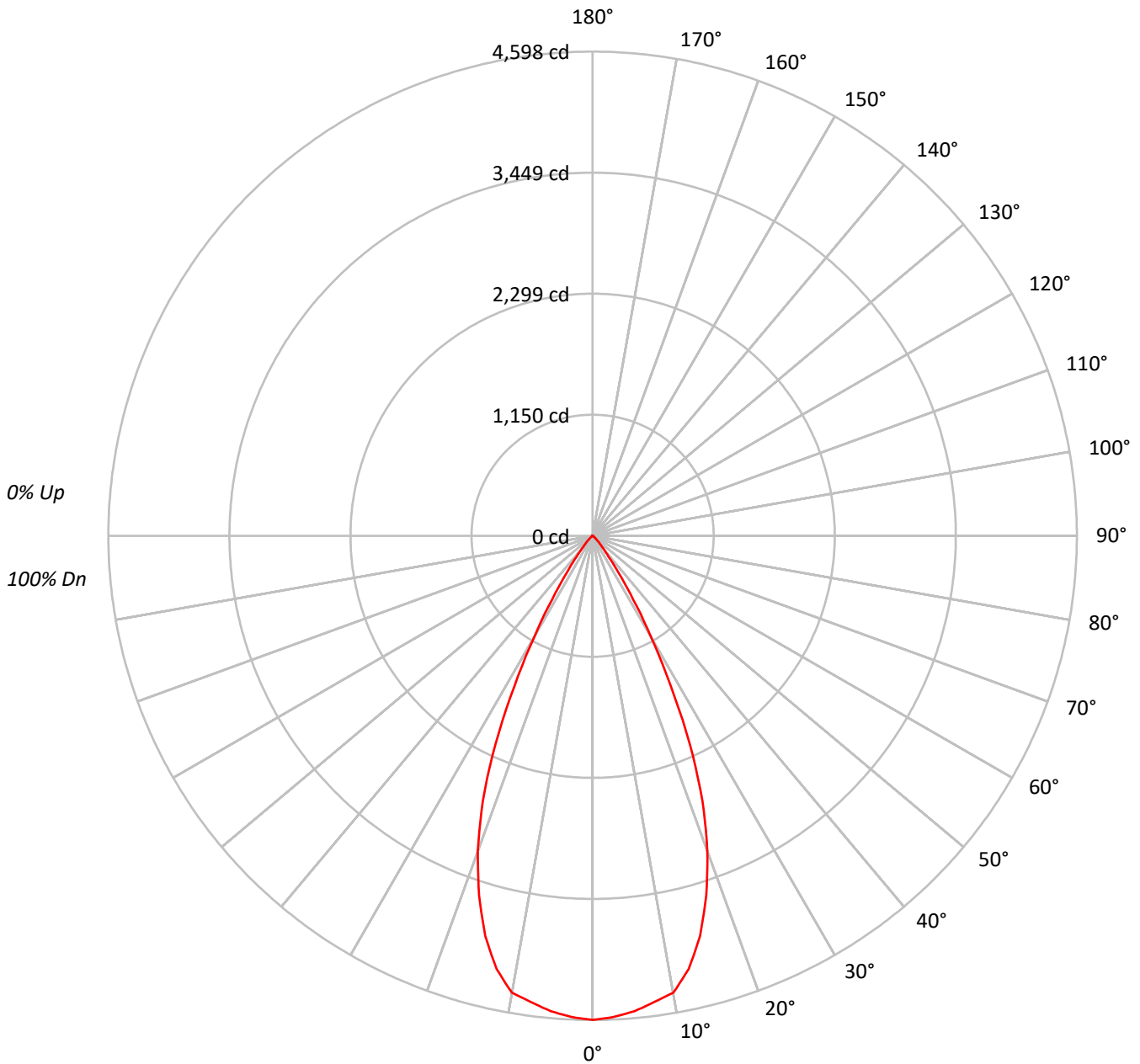


Downlight

TEST NUMBER: P786784

CATALOG NUMBER: LERS6D15D010-EC6DR500215IC9050-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P786784

CATALOG NUMBER: LERS6D15D010-EC6DR500215IC9050-6LBS1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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			
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95			
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90			
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85			
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80			
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76			
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72			
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69			
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65			
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62			
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	502348
5°	497083
10°	488896
15°	445176
20°	370434
25°	262957
30°	139184
35°	56714
40°	21066
45°	9642
50°	3961
55°	2076
60°	1027
65°	310
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9642 cd/sqm



TEST NUMBER: P786784

CATALOG NUMBER: LERS6D15D010-EC6DR500215IC9050-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.4	15.0
10°-20°	1082.6	37.9
20°-30°	972.5	34.1
30°-40°	304.5	10.7
40°-50°	53.3	1.9
50°-60°	10.7	0.4
60°-70°	1.6	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°	2483.5	87.0
0°-40°	2787.9	97.7
0°-60°	2851.9	99.9
0°-90°	2853.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2853.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4598	
5°	4532	428
15°	3936	1083
25°	2181	972
35°	425	304
45°	62	53
55°	11	11
65°	1	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P786784

CATALOG NUMBER: LERS6D15D010-EC6DR500215IC9050-6LBS1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	4597.7
2.5°	4574.8
5°	4532.2
7.5°	4467.1
10°	4406.6
12.5°	4212.8
15°	3935.6
17.5°	3583.7
20°	3185.9
22.5°	2725.8
25°	2181.2
27.5°	1603.6
30°	1103.2
32.5°	718.3
35°	425.2
37.5°	244.2
40°	147.7
42.5°	96.1
45°	62.4
47.5°	38.0
50°	23.3
52.5°	15.9
55°	10.9
57.5°	7.4
60°	4.7
62.5°	2.7
65°	1.2
67.5°	0.4
70°	0.0
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



(END OF REPORT)