

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: P789935

Luminaire Tested: LER6D15D010-EC6DR650215IC9050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D15D010-EC6DR650215IC9050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2530.9 lumens
Efficiency: N/A
Efficacy: 160.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

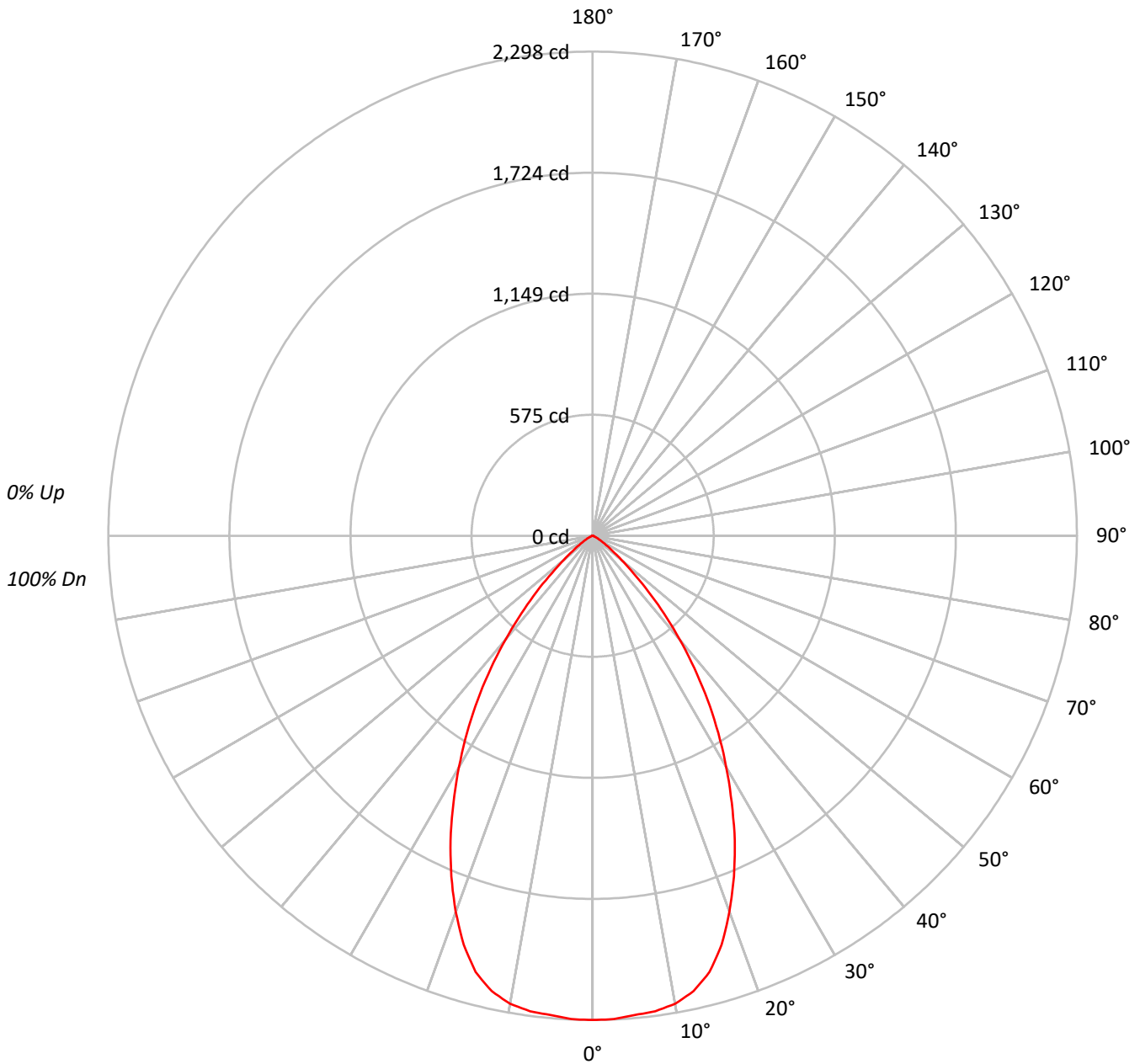
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P789935
CATALOG NUMBER: LER6D15D010-EC6DR650215IC9050-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P789935

CATALOG NUMBER: LER6D15D010-EC6DR650215IC9050-6LBS1LI

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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	134206
5°	133869
10°	133756
15°	129629
20°	118014
25°	102842
30°	85533
35°	67776
40°	48916
45°	30907
50°	16110
55°	8563
60°	4497
65°	2474
70°	1042
75°	1151
80°	807
85°	670

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30907 cd/sqm



TEST NUMBER: P789935

CATALOG NUMBER: LER6D15D010-EC6DR650215IC9050-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.3	8.6
10°-20°	595.1	23.5
20°-30°	727.4	28.7
30°-40°	590.2	23.3
40°-50°	294.1	11.6
50°-60°	82.0	3.2
60°-70°	18.6	0.7
70°-80°	4.9	0.2
80°-90°	1.3	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°	1539.8	60.8
0°-40°	2130.0	84.2
0°-60°	2506.1	99.0
0°-90°	2530.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2530.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2298	
5°	2283	217
15°	2144	595
25°	1596	727
35°	951	590
45°	374	294
55°	84	82
65°	18	19
75°	5	5
85°	1	1
90°	0	



TEST NUMBER: P789935
CATALOG NUMBER: LER6D15D010-EC6DR650215IC9050-6LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	2297.9
2.5°	2296.2
5°	2283.4
7.5°	2276.0
10°	2255.4
12.5°	2213.5
15°	2143.9
17.5°	2035.2
20°	1898.8
22.5°	1751.6
25°	1595.9
27.5°	1429.4
30°	1268.3
32.5°	1109.3
35°	950.6
37.5°	792.2
40°	641.6
42.5°	500.4
45°	374.2
47.5°	260.7
50°	177.3
52.5°	122.2
55°	84.1
57.5°	56.7
60°	38.5
62.5°	26.7
65°	17.9
67.5°	9.1
70°	6.1
72.5°	5.7
75°	5.1
77.5°	3.4
80°	2.4
82.5°	1.7
85°	1.0
87.5°	0.7
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)