

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: P789892

Luminaire Tested: LER6D15D010-EC6DR650215IC9024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789892
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D15D010-EC6DR650215IC9024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1863.4 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

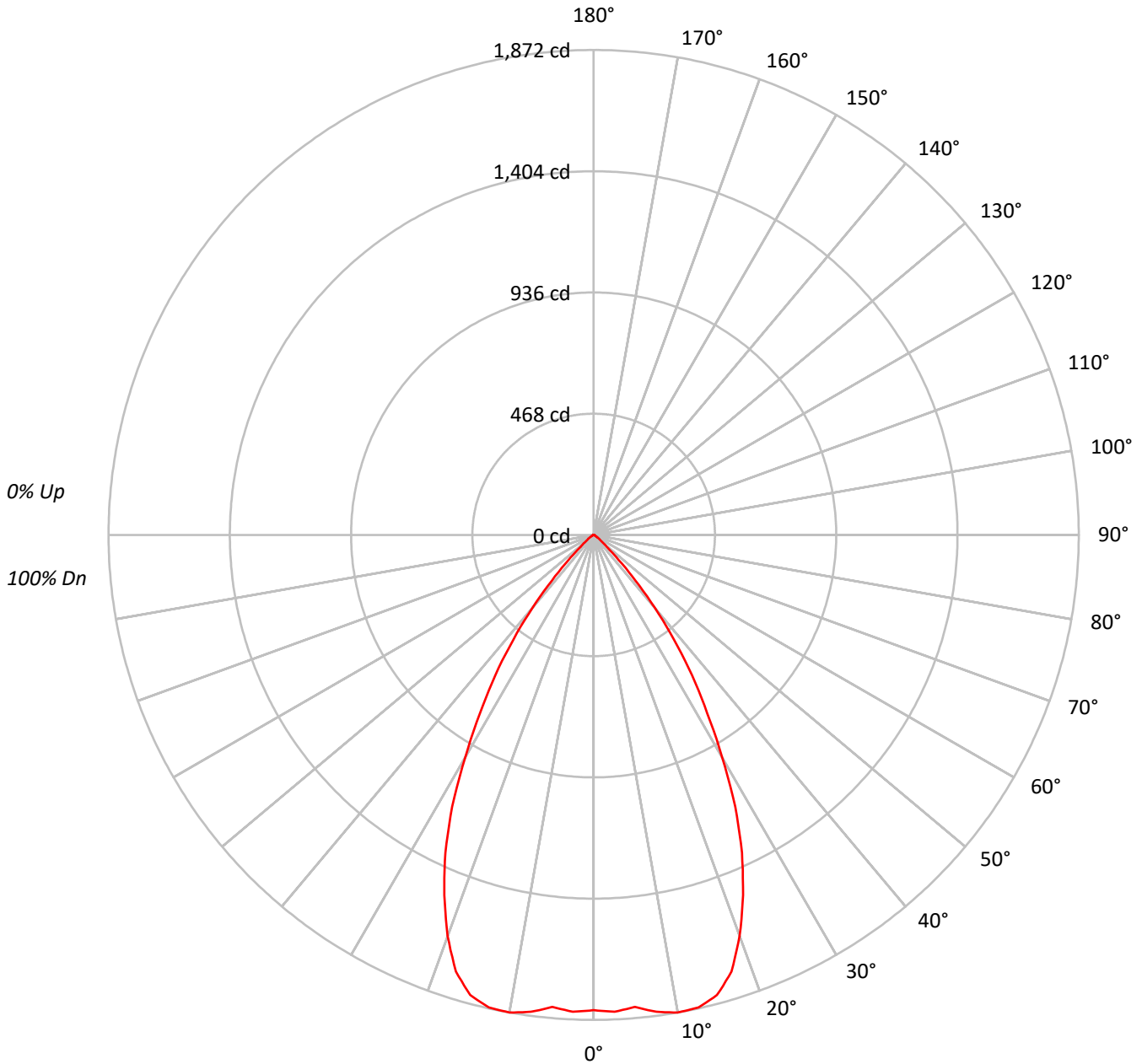
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P789892
CATALOG NUMBER: LER6D15D010-EC6DR650215IC9024-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P789892

CATALOG NUMBER: LER6D15D010-EC6DR650215IC9024-6LBDP1H

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																			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

0°	
0°	200450
5°	200623
10°	207680
15°	208030
20°	191525
25°	163184
30°	124927
35°	88259
40°	52103
45°	21154
50°	7666
55°	4267
60°	2447
65°	1344
70°	1406
75°	1098
80°	1133
85°	1003

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21154 cd/sqm



TEST NUMBER: P789892

CATALOG NUMBER: LER6D15D010-EC6DR650215IC9024-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.7	9.5
10°-20°	509.6	27.3
20°-30°	611.4	32.8
30°-40°	410.9	22.1
40°-50°	123.0	6.6
50°-60°	21.7	1.2
60°-70°	6.2	0.3
70°-80°	3.0	0.2
80°-90°	1.0	0.1
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°	1297.6	69.6
0°-40°	1708.5	91.7
0°-60°	1853.3	99.5
0°-90°	1863.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1863.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1835	
5°	1829	177
15°	1839	510
25°	1354	611
35°	662	411
45°	137	123
55°	22	22
65°	5	6
75°	3	3
85°	1	1
90°	0	



TEST NUMBER: P789892

CATALOG NUMBER: LER6D15D010-EC6DR650215IC9024-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	1834.6
2.5°	1842.5
5°	1829.2
7.5°	1856.8
10°	1871.9
12.5°	1868.3
15°	1839.1
17.5°	1767.6
20°	1647.2
22.5°	1505.4
25°	1353.6
27.5°	1182.3
30°	990.2
32.5°	816.0
35°	661.7
37.5°	509.2
40°	365.3
42.5°	238.6
45°	136.9
47.5°	72.5
50°	45.1
52.5°	31.3
55°	22.4
57.5°	16.2
60°	11.2
62.5°	7.3
65°	5.2
67.5°	4.7
70°	4.4
72.5°	3.4
75°	2.6
77.5°	2.3
80°	1.8
82.5°	1.3
85°	0.8
87.5°	0.5
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)