

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: P789878

Luminaire Tested: LER6D15D010-EC6DR600215IC9040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D15D010-EC6DR600215IC9040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2401.6 lumens
Efficiency: N/A
Efficacy: 152.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

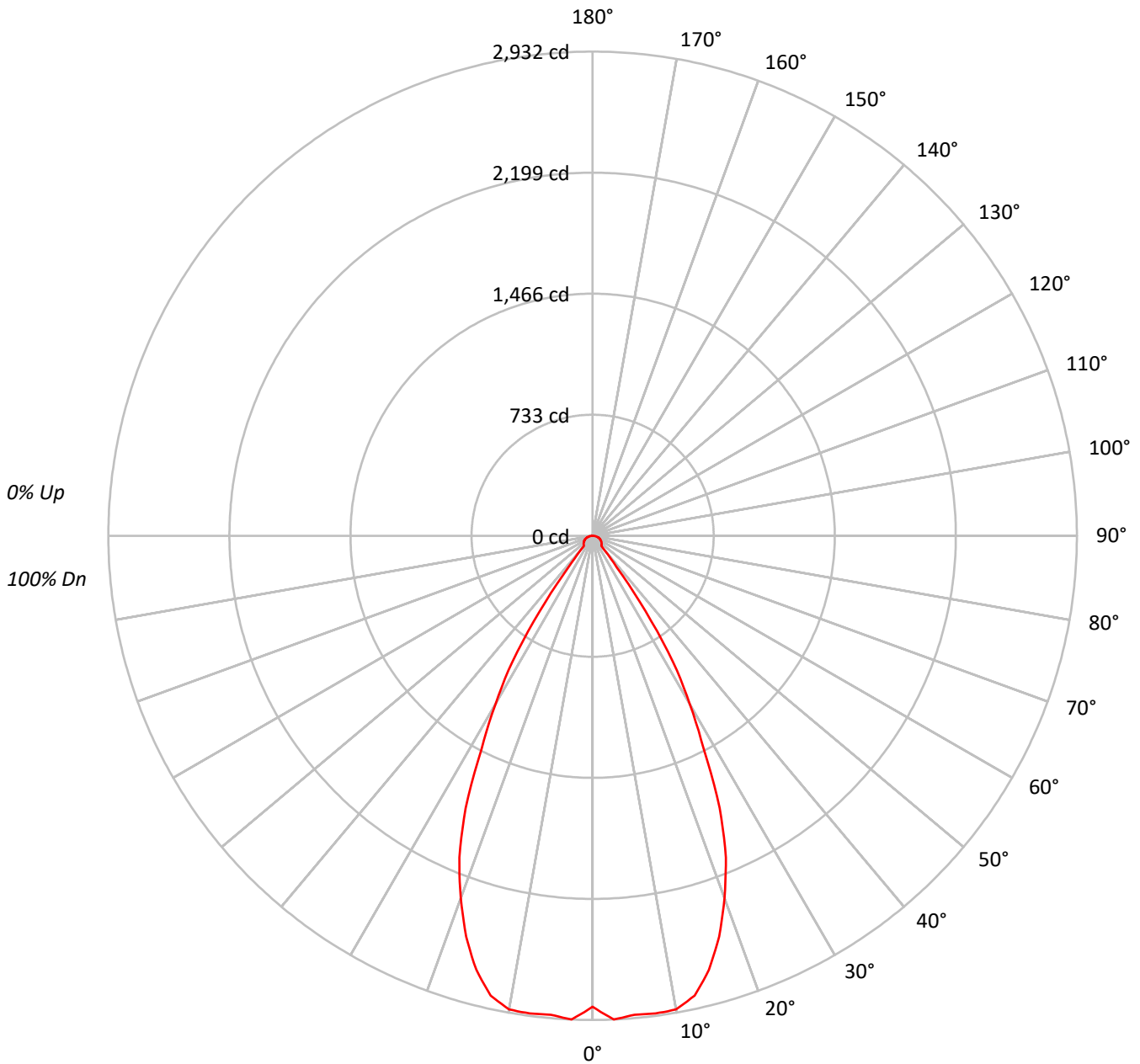


Downlight

TEST NUMBER: P789878

CATALOG NUMBER: LER6D15D010-EC6DR600215IC9040-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P789878

CATALOG NUMBER: LER6D15D010-EC6DR600215IC9040-6LBDP1MW

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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	311634
5°	319295
10°	323153
15°	307843
20°	271427
25°	219532
30°	148494
35°	74414
40°	12066
45°	11821
50°	12052
55°	12229
60°	12565
65°	12849
70°	13162
75°	13340
80°	12836
85°	10656

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 13340 cd/sqm



TEST NUMBER: P789878

CATALOG NUMBER: LER6D15D010-EC6DR600215IC9040-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.2	11.6
10°-20°	752.8	31.3
20°-30°	809.9	33.7
30°-40°	352.1	14.7
40°-50°	59.1	2.5
50°-60°	57.5	2.4
60°-70°	49.2	2.0
70°-80°	32.9	1.4
80°-90°	9.8	0.4
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°	1841.0	76.7
0°-40°	2193.0	91.3
0°-60°	2309.7	96.2
0°-90°	2401.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2401.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2852	
5°	2911	278
15°	2722	753
25°	1821	810
35°	558	352
45°	76	59
55°	64	58
65°	50	49
75°	32	33
85°	8	10
90°	0	



TEST NUMBER: P789878

CATALOG NUMBER: LER6D15D010-EC6DR600215IC9040-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2852.2
2.5°	2932.3
5°	2911.2
7.5°	2917.9
10°	2912.7
12.5°	2852.5
15°	2721.5
17.5°	2545.6
20°	2334.4
22.5°	2108.3
25°	1821.0
27.5°	1456.5
30°	1177.0
32.5°	907.2
35°	557.9
37.5°	238.7
40°	84.6
42.5°	77.9
45°	76.5
47.5°	73.9
50°	70.9
52.5°	67.6
55°	64.2
57.5°	60.9
60°	57.5
62.5°	53.8
65°	49.7
67.5°	45.7
70°	41.2
72.5°	36.4
75°	31.6
77.5°	26.0
80°	20.4
82.5°	14.5
85°	8.5
87.5°	3.0
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)