

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: P789969

Luminaire Tested: LER6D15D010-EC6DR700215IC9040-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789969
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D15D010-EC6DR700215IC9040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2802.8 lumens
Efficiency: N/A
Efficacy: 177.4 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

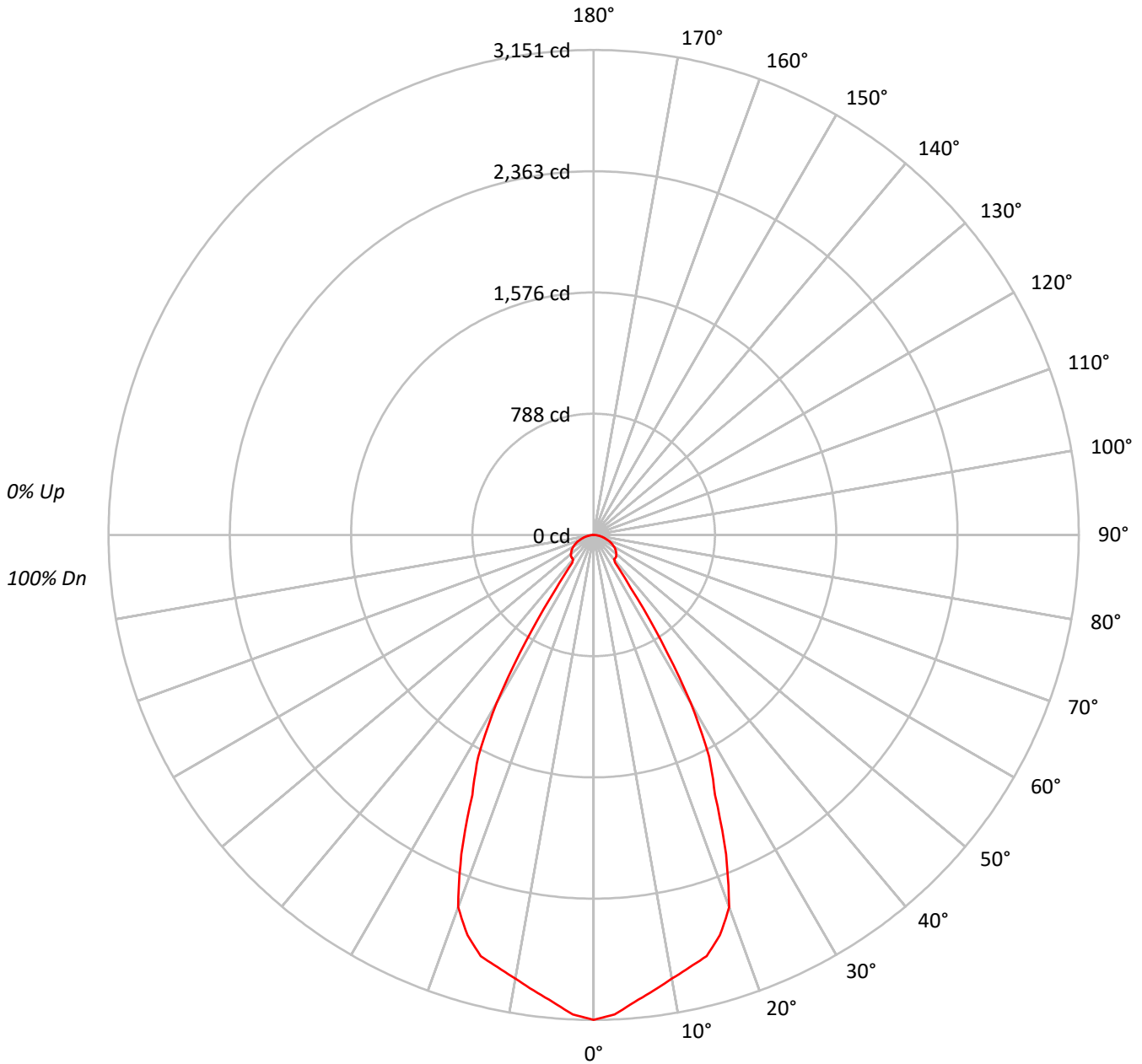
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P789969
CATALOG NUMBER: LER6D15D010-EC6DR700215IC9040-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P789969

CATALOG NUMBER: LER6D15D010-EC6DR700215IC9040-6LBDP1LI

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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	344292
5°	334058
10°	324751
15°	320489
20°	299263
25°	224825
30°	158928
35°	56301
40°	29596
45°	31537
50°	32653
55°	33260
60°	33477
65°	32756
70°	30923
75°	28664
80°	25420
85°	20685

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 33477 cd/sqm



TEST NUMBER: P789969

CATALOG NUMBER: LER6D15D010-EC6DR700215IC9040-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.3	10.3
10°-20°	788.0	28.1
20°-30°	867.9	31.0
30°-40°	331.6	11.8
40°-50°	156.6	5.6
50°-60°	155.7	5.6
60°-70°	124.6	4.4
70°-80°	71.6	2.6
80°-90°	19.5	0.7
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°	1943.2	69.3
0°-40°	2274.8	81.2
0°-60°	2587.0	92.3
0°-90°	2802.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2802.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3151	
5°	3046	287
15°	2833	788
25°	1865	868
35°	422	332
45°	204	157
55°	175	156
65°	127	125
75°	68	72
85°	16	19
90°	0	



TEST NUMBER: P789969

CATALOG NUMBER: LER6D15D010-EC6DR700215IC9040-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	3151.1
2.5°	3118.1
5°	3045.8
7.5°	2985.4
10°	2927.1
12.5°	2877.7
15°	2833.3
17.5°	2726.0
20°	2573.8
22.5°	2245.6
25°	1864.9
27.5°	1623.4
30°	1259.7
32.5°	813.7
35°	422.1
37.5°	228.0
40°	207.5
42.5°	206.0
45°	204.1
47.5°	199.6
50°	192.1
52.5°	183.6
55°	174.6
57.5°	164.6
60°	153.2
62.5°	140.2
65°	126.7
67.5°	111.8
70°	96.8
72.5°	81.8
75°	67.9
77.5°	53.4
80°	40.4
82.5°	28.4
85°	16.5
87.5°	6.5
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)