

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: P789954

Luminaire Tested: LER6D15D010-EC6DR700215IC9030-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789954
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-EC6DR700215IC9030-6LBDDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2460.5 lumens
Efficiency: N/A
Efficacy: 155.7 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

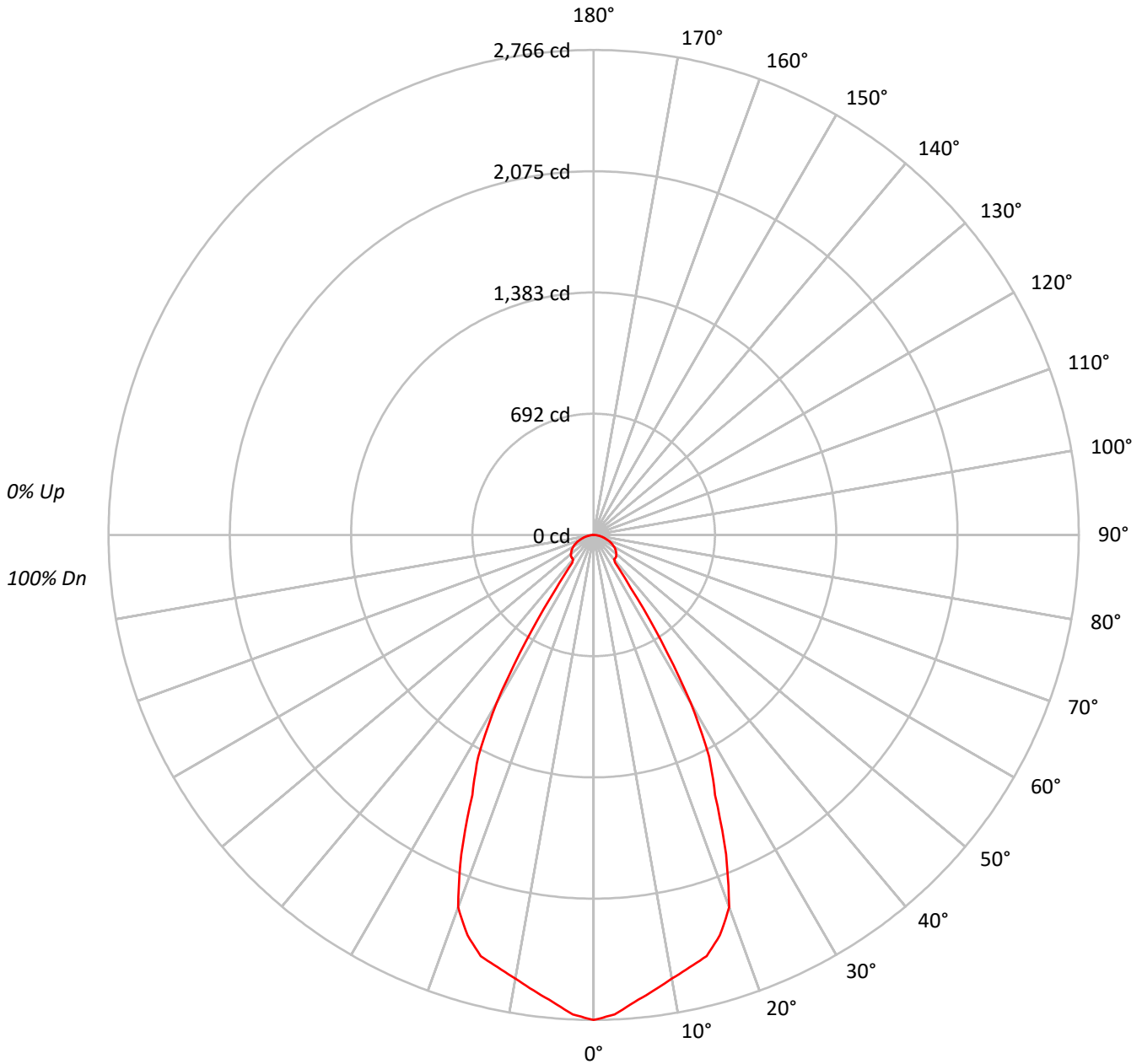


Downlight

TEST NUMBER: P789954

CATALOG NUMBER: LER6D15D010-EC6DR700215IC9030-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P789954

CATALOG NUMBER: LER6D15D010-EC6DR700215IC9030-6LBDP1H

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	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°	302248
5°	293257
10°	285088
15°	281351
20°	262719
25°	197374
30°	139524
35°	49418
40°	25987
45°	27674
50°	28659
55°	29202
60°	29391
65°	28749
70°	27154
75°	25160
80°	22337
85°	18178

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 29391 cd/sqm



TEST NUMBER: P789954

CATALOG NUMBER: LER6D15D010-EC6DR700215IC9030-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.2	10.2
10°-20°	691.8	28.1
20°-30°	761.9	31.0
30°-40°	291.1	11.8
40°-50°	137.4	5.6
50°-60°	136.7	5.6
60°-70°	109.4	4.4
70°-80°	62.9	2.6
80°-90°	17.1	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°	1705.9	69.3
0°-40°	1997.0	81.2
0°-60°	2271.1	92.3
0°-90°	2460.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2460.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2766	
5°	2674	252
15°	2487	692
25°	1637	762
35°	370	291
45°	179	137
55°	153	137
65°	111	109
75°	60	63
85°	14	17
90°	0	



TEST NUMBER: P789954

CATALOG NUMBER: LER6D15D010-EC6DR700215IC9030-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	2766.3
2.5°	2737.4
5°	2673.8
7.5°	2620.9
10°	2569.6
12.5°	2526.3
15°	2487.3
17.5°	2393.1
20°	2259.5
22.5°	1971.3
25°	1637.2
27.5°	1425.2
30°	1105.9
32.5°	714.3
35°	370.5
37.5°	200.2
40°	182.2
42.5°	180.9
45°	179.1
47.5°	175.2
50°	168.6
52.5°	161.2
55°	153.3
57.5°	144.5
60°	134.5
62.5°	123.1
65°	111.2
67.5°	98.1
70°	85.0
72.5°	71.8
75°	59.6
77.5°	46.9
80°	35.5
82.5°	25.0
85°	14.5
87.5°	5.7
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)