

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P789938

Luminaire Tested: LER6D15D010-EC6DR700215IC9024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789938
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-EC6DR700215IC9024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2146.6 lumens
Efficiency: N/A
Efficacy: 135.9 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

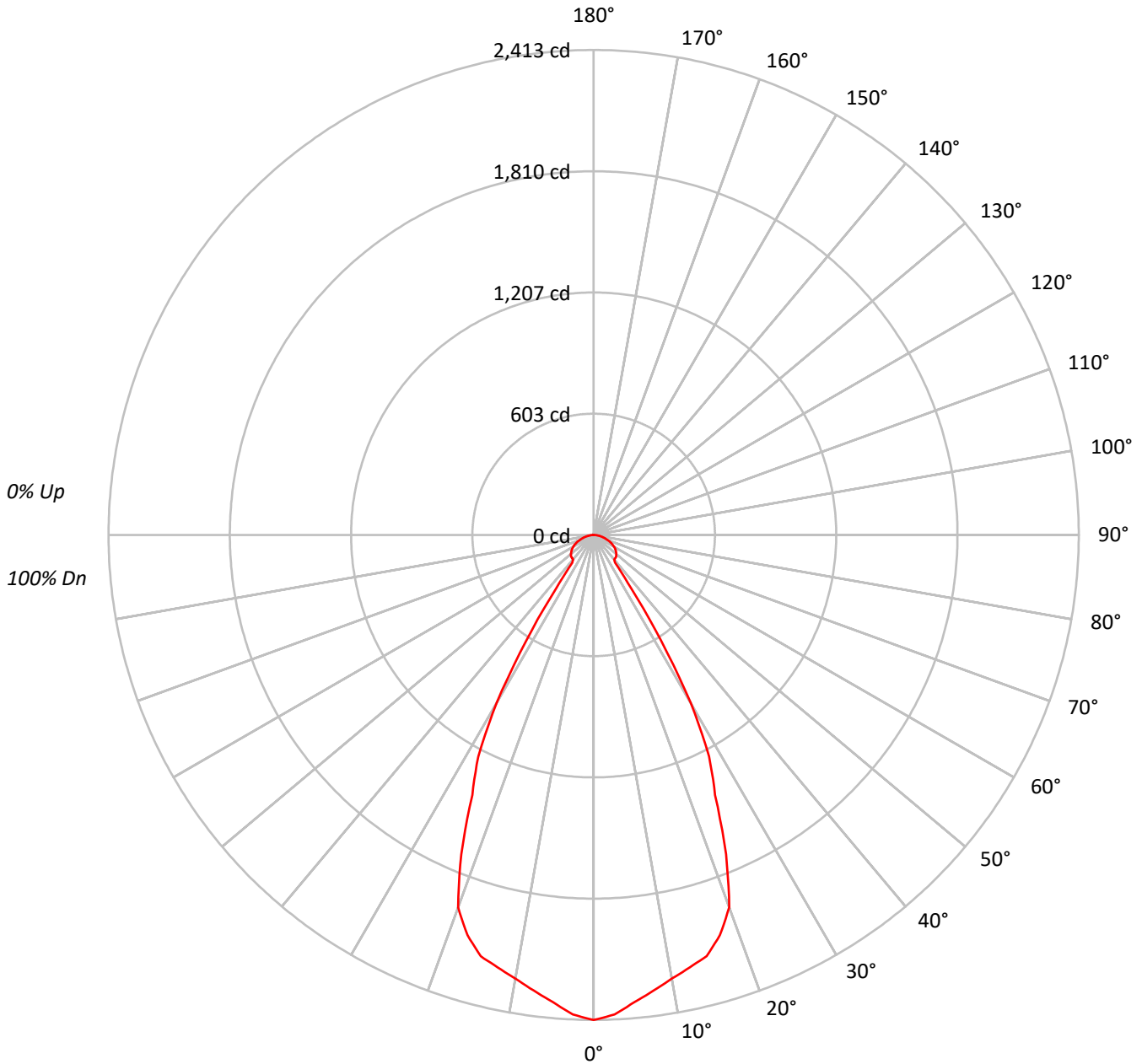


Downlight

TEST NUMBER: P789938

CATALOG NUMBER: LER6D15D010-EC6DR700215IC9024-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P789938

CATALOG NUMBER: LER6D15D010-EC6DR700215IC9024-6LBDP1H

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	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°	263690
5°	255857
10°	248719
15°	245460
20°	229209
25°	172190
30°	121722
35°	43123
40°	22678
45°	24151
50°	25004
55°	25469
60°	25633
65°	25104
70°	23672
75°	21952
80°	19505
85°	15796

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 25643 cd/sqm



TEST NUMBER: P789938

CATALOG NUMBER: LER6D15D010-EC6DR700215IC9024-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.0	10.2
10°-20°	603.5	28.1
20°-30°	664.7	31.0
30°-40°	254.0	11.8
40°-50°	119.9	5.6
50°-60°	119.2	5.6
60°-70°	95.5	4.4
70°-80°	54.9	2.6
80°-90°	14.9	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°	1488.3	69.3
0°-40°	1742.2	81.2
0°-60°	1981.4	92.3
0°-90°	2146.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2146.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2413	
5°	2333	220
15°	2170	604
25°	1428	665
35°	323	254
45°	156	120
55°	134	119
65°	97	95
75°	52	55
85°	13	15
90°	0	



TEST NUMBER: P789938

CATALOG NUMBER: LER6D15D010-EC6DR700215IC9024-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	2413.4
2.5°	2388.2
5°	2332.8
7.5°	2286.5
10°	2241.8
12.5°	2204.0
15°	2170.0
17.5°	2087.8
20°	1971.3
22.5°	1719.9
25°	1428.3
27.5°	1243.4
30°	964.8
32.5°	623.2
35°	323.3
37.5°	174.6
40°	159.0
42.5°	157.8
45°	156.3
47.5°	152.8
50°	147.1
52.5°	140.6
55°	133.7
57.5°	126.1
60°	117.3
62.5°	107.4
65°	97.1
67.5°	85.6
70°	74.1
72.5°	62.7
75°	52.0
77.5°	40.9
80°	31.0
82.5°	21.8
85°	12.6
87.5°	5.0
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)