

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: P789977

Luminaire Tested: LER6D15D010-EC6DR700215IC9050-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789977
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-EC6DR700215IC9050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2769.7 lumens
Efficiency: N/A
Efficacy: 175.3 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

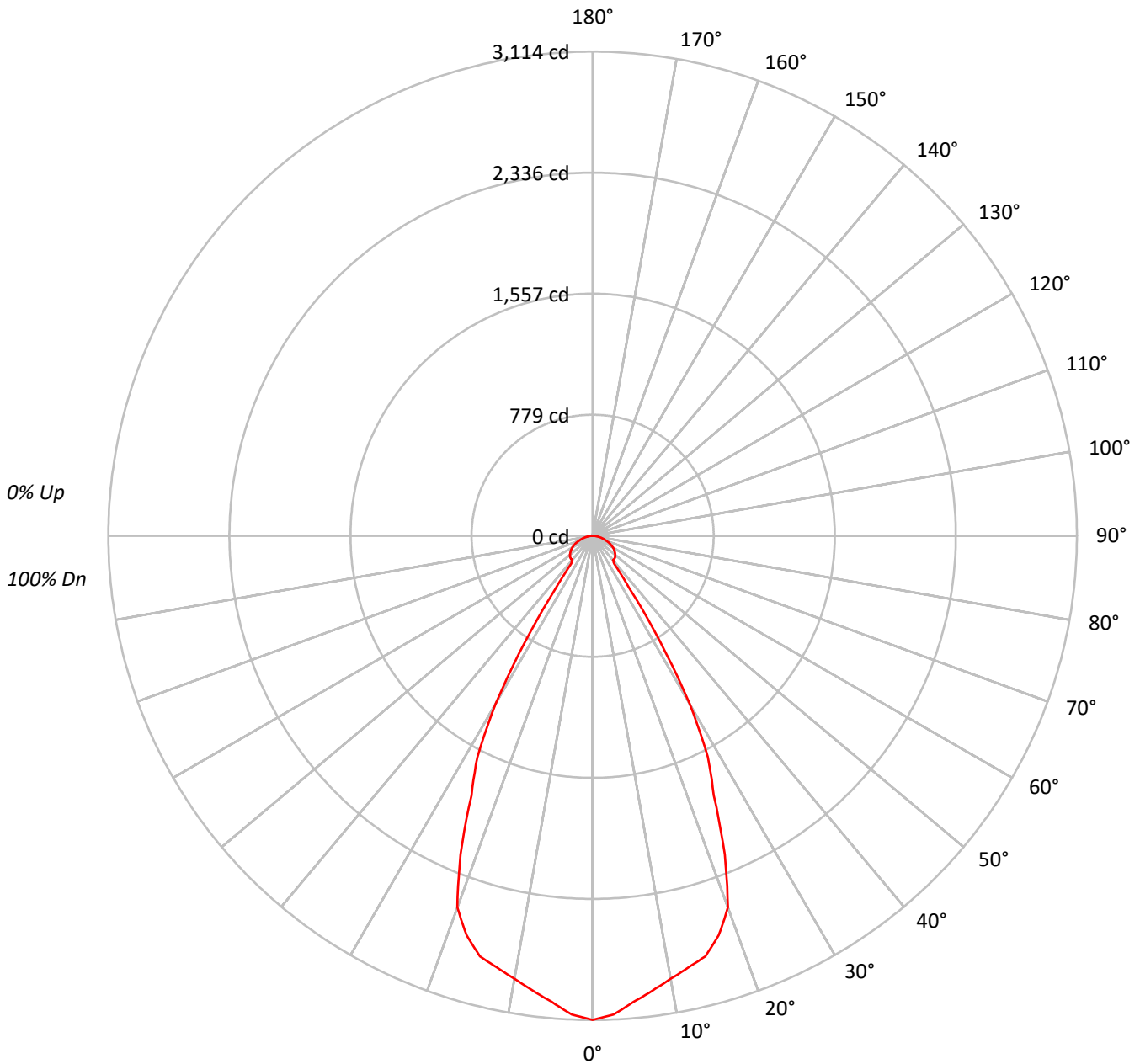


Downlight

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Luminous Intensity Polar Plot





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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	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°	340227
5°	330120
10°	320912
15°	316711
20°	295740
25°	222172
30°	157061
35°	55634
40°	29253
45°	31151
50°	32262
55°	32879
60°	33084
65°	32368
70°	30540
75°	28326
80°	25105
85°	20434

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 33085 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.9	10.3
10°-20°	778.7	28.1
20°-30°	857.7	31.0
30°-40°	327.7	11.8
40°-50°	154.7	5.6
50°-60°	153.8	5.6
60°-70°	123.1	4.4
70°-80°	70.8	2.6
80°-90°	19.2	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°	1920.3	69.3
0°-40°	2248.0	81.2
0°-60°	2556.5	92.3
0°-90°	2769.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2769.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3114	
5°	3010	284
15°	2800	779
25°	1843	858
35°	417	328
45°	202	155
55°	173	154
65°	125	123
75°	67	71
85°	16	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3113.9
2.5°	3081.4
5°	3009.9
7.5°	2950.2
10°	2892.5
12.5°	2843.7
15°	2799.9
17.5°	2693.9
20°	2543.5
22.5°	2219.1
25°	1842.9
27.5°	1604.3
30°	1244.9
32.5°	804.1
35°	417.1
37.5°	225.3
40°	205.1
42.5°	203.6
45°	201.6
47.5°	197.2
50°	189.8
52.5°	181.4
55°	172.6
57.5°	162.7
60°	151.4
62.5°	138.5
65°	125.2
67.5°	110.4
70°	95.6
72.5°	80.9
75°	67.1
77.5°	52.8
80°	39.9
82.5°	28.1
85°	16.3
87.5°	6.4
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

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— 0°-180°

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(END OF REPORT)