

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: P789316

Luminaire Tested: LER6D10D010-EC6DR650210IC9040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D10D010-EC6DR650210IC9040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1815.2 lumens
Efficiency: N/A
Efficacy: 155.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

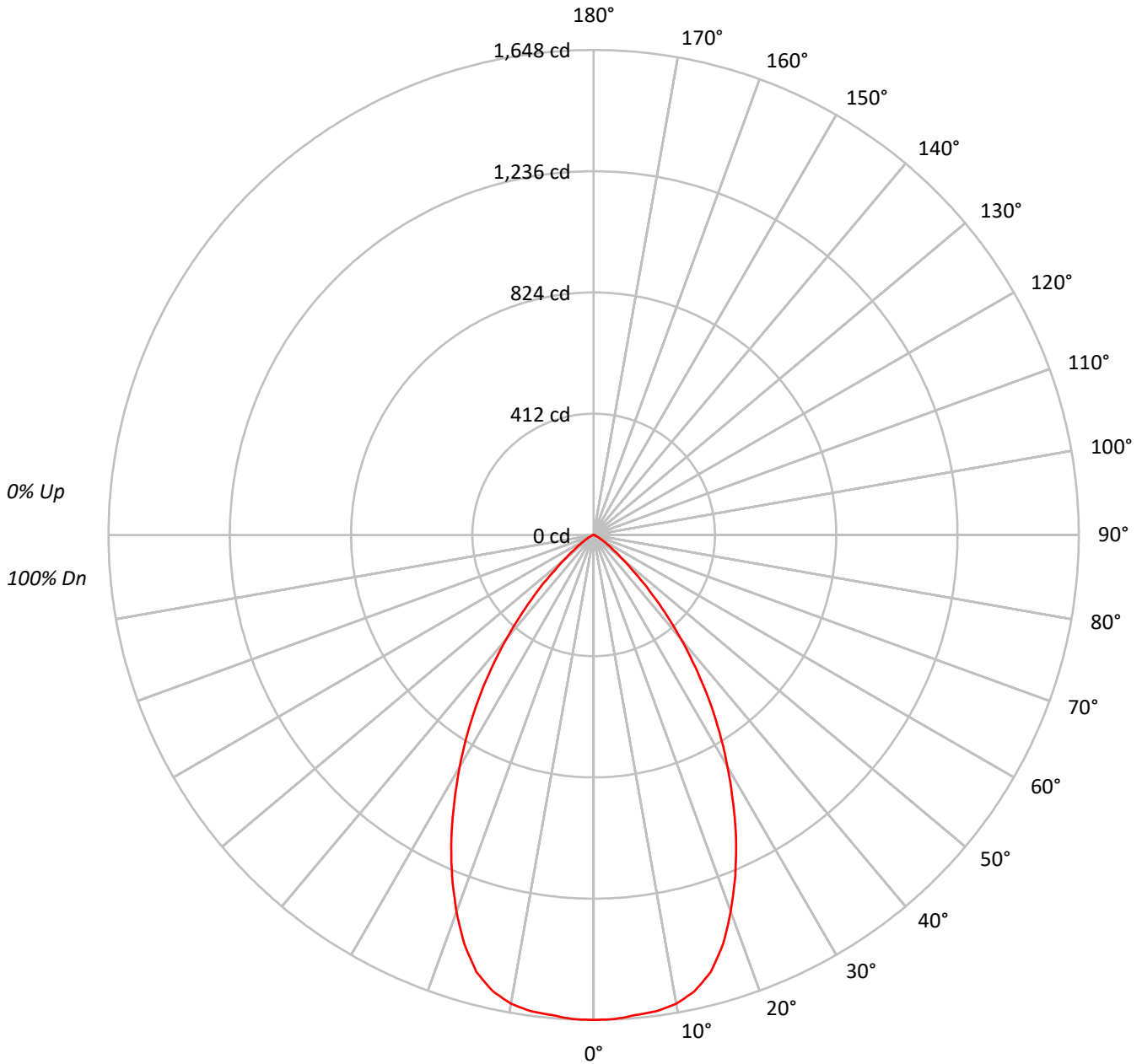
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	96255
5°	96013
10°	95932
15°	92976
20°	84645
25°	73760
30°	61349
35°	48611
40°	35086
45°	22169
50°	11557
55°	6140
60°	3224
65°	1769
70°	751
75°	812
80°	572
85°	469

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22169 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.9	8.6
10°-20°	426.8	23.5
20°-30°	521.7	28.7
30°-40°	423.3	23.3
40°-50°	211.0	11.6
50°-60°	58.8	3.2
60°-70°	13.3	0.7
70°-80°	3.5	0.2
80°-90°	0.9	0.0
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°	1104.4	60.8
0°-40°	1527.7	84.2
0°-60°	1797.5	99.0
0°-90°	1815.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1815.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1648	
5°	1638	156
15°	1538	427
25°	1145	522
35°	682	423
45°	268	211
55°	60	59
65°	13	13
75°	4	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1648.1
2.5°	1646.9
5°	1637.7
7.5°	1632.4
10°	1617.6
12.5°	1587.6
15°	1537.7
17.5°	1459.7
20°	1361.9
22.5°	1256.3
25°	1144.6
27.5°	1025.2
30°	909.7
32.5°	795.6
35°	681.8
37.5°	568.2
40°	460.2
42.5°	358.9
45°	268.4
47.5°	187.0
50°	127.2
52.5°	87.7
55°	60.3
57.5°	40.7
60°	27.6
62.5°	19.1
65°	12.8
67.5°	6.5
70°	4.4
72.5°	4.1
75°	3.6
77.5°	2.4
80°	1.7
82.5°	1.2
85°	0.7
87.5°	0.5
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

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— 0°-180°

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