

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: P788800

Luminaire Tested: LER6D10D010-EC6DR150210IC9024-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788800
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D10D010-EC6DR150210IC9024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 915.8 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
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

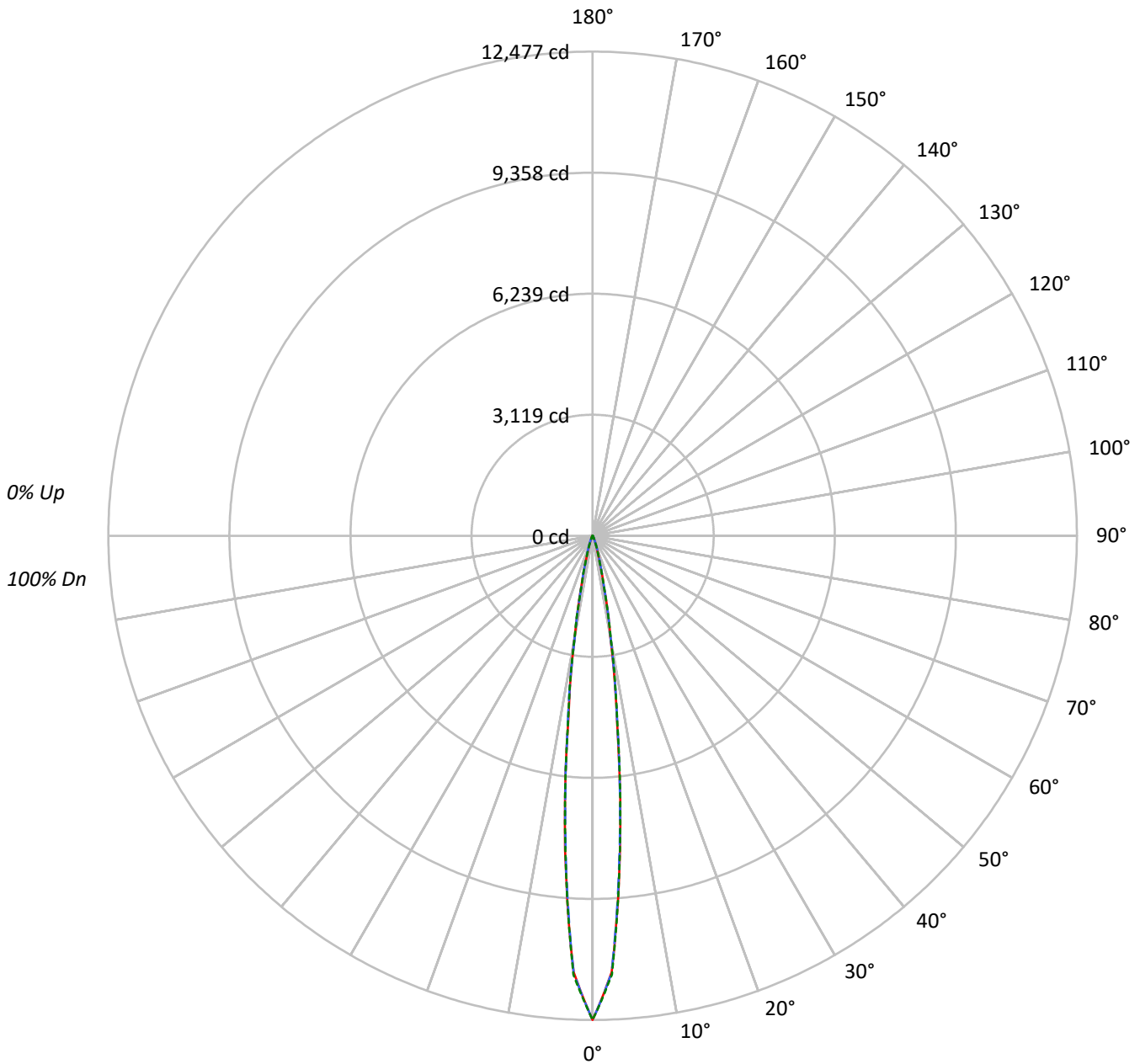


Downlight

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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					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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98					98			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96					96			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94					94			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93					93			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92					92			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90					90			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89					89			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88					88			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87					87			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86					86			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1403934	1403934	1403934
5°	825023	814332	820775
10°	246229	247956	251753
15°	61251	62441	60513
20°	18328	21217	18713
25°	6458	8226	6544
30°	2374	3123	2411
35°	1191	1343	1147
40°	753	824	753
45°	553	595	553
50°	438	438	438
55°	369	369	369
60°	295	295	295
65°	228	228	228
70°	190	190	190
75°	121	121	159
80°	87	87	87
85°	42	42	42

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 595 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	593.9	64.9
10°-20°	244.3	26.7
20°-30°	48.5	5.3
30°-40°	12.1	1.3
40°-50°	6.4	0.7
50°-60°	4.7	0.5
60°-70°	3.3	0.4
70°-80°	1.9	0.2
80°-90°	0.6	0.1
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°	886.8	96.8
0°-40°	898.9	98.2
0°-60°	910.0	99.4
0°-90°	915.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	915.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12477	12477	12477	12477	12477	
5°	8118	8034	8013	8068	8076	593
15°	705	718	719	706	697	242
25°	83	94	106	94	84	44
35°	16	17	18	17	16	11
45°	8	8	8	8	8	6
55°	5	5	5	5	5	5
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12477.2	12477.2	12477.2	12477.2	12477.2
2.5°	11255.0	11264.5	11268.2	11279.2	11320.4
5°	8118.0	8034.5	8012.8	8068.3	8076.2
7.5°	4808.8	4825.7	4887.5	4901.2	4851.5
10°	2638.9	2660.6	2657.4	2676.4	2698.1
12.5°	1349.6	1332.7	1327.4	1349.0	1318.9
15°	705.2	718.4	718.9	706.2	696.7
17.5°	379.2	394.6	419.9	399.3	367.6
20°	224.0	237.7	259.3	242.4	228.7
22.5°	138.4	149.5	164.8	151.6	140.5
25°	82.9	94.0	105.6	93.5	84.0
27.5°	49.1	58.6	66.0	58.1	48.6
30°	31.7	37.0	41.7	36.4	32.2
32.5°	22.2	24.3	26.4	24.3	22.2
35°	16.4	17.4	18.5	17.4	15.8
37.5°	12.7	13.7	14.3	13.2	12.1
40°	10.6	11.1	11.6	11.1	10.6
42.5°	9.0	9.5	9.5	9.5	9.0
45°	7.9	7.9	8.5	7.9	7.9
47.5°	6.9	6.9	7.4	6.9	6.9
50°	6.3	6.3	6.3	6.3	6.3
52.5°	5.8	5.8	5.8	5.8	5.8
55°	5.3	5.3	5.3	5.3	5.3
57.5°	4.8	4.8	4.8	4.8	4.8
60°	4.2	4.2	4.2	4.2	4.2
62.5°	3.7	3.7	3.7	3.7	3.7
65°	3.2	3.2	3.2	3.2	3.2
67.5°	3.2	3.2	3.2	3.2	3.2
70°	2.6	2.6	2.6	2.6	2.6
72.5°	2.1	2.1	2.1	2.1	2.1
75°	1.6	1.6	1.6	1.6	2.1
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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