

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: P788972

Luminaire Tested: LER6D10D010-EC6DR300210IC9035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788972
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D10D010-EC6DR300210IC9035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1968.5 lumens
Efficiency: N/A
Efficacy: 168.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

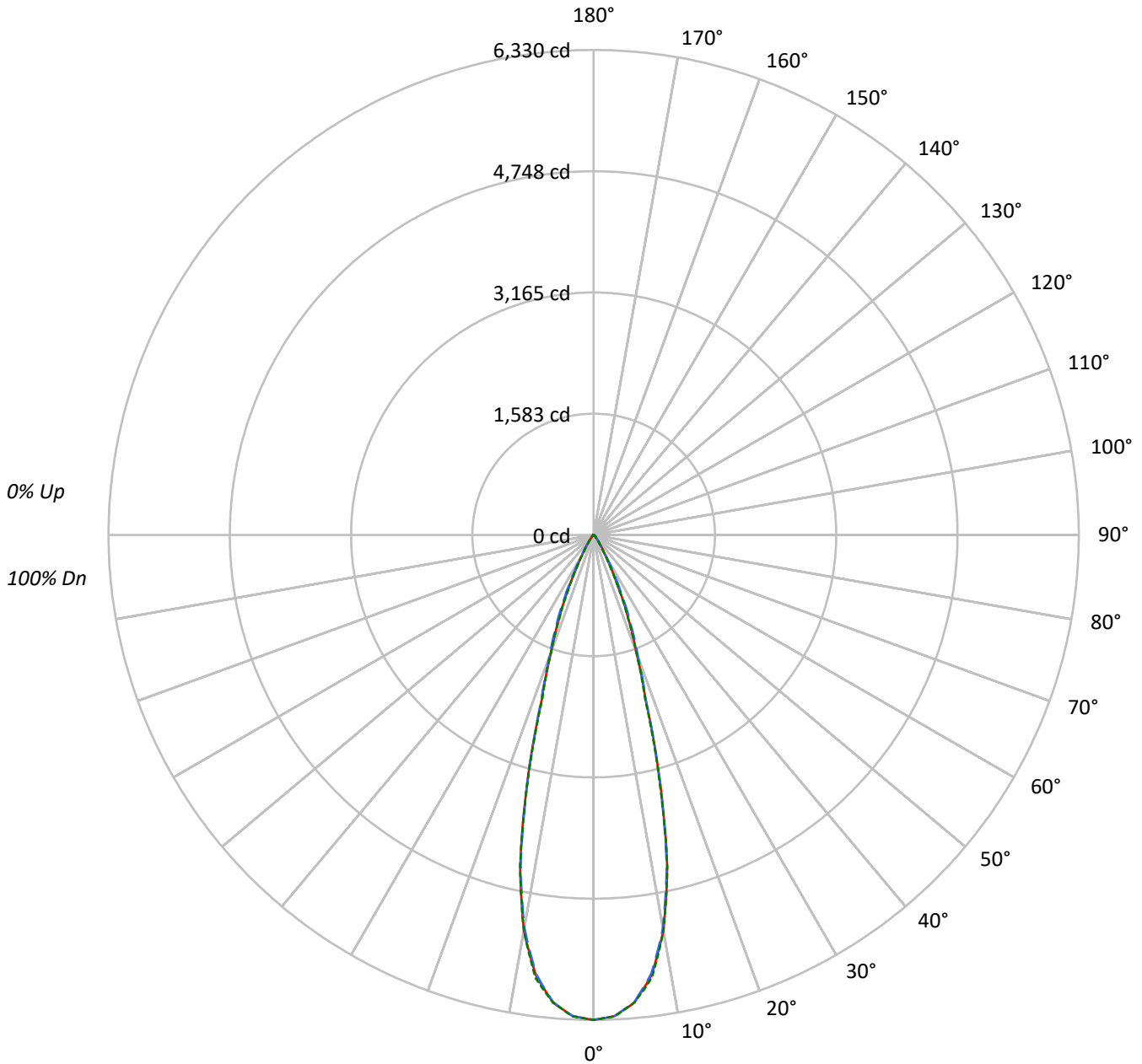
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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					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								
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96								
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92								
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89								
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85								
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82								
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79								
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77								
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74								
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72								
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	484489	484489	484489
5°	470581	470035	470604
10°	407593	404725	407500
15°	265933	264507	263176
20°	132235	137196	132064
25°	66611	75115	65251
30°	26675	29061	23236
35°	12372	11848	9933
40°	5346	5935	5026
45°	3767	4676	3800
50°	1298	3406	1369
55°	747	1415	787
60°	520	612	520
65°	344	344	344
70°	201	134	201
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 4676 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.6	28.3
10°-20°	896.4	45.5
20°-30°	387.4	19.7
30°-40°	88.3	4.5
40°-50°	30.3	1.5
50°-60°	7.4	0.4
60°-70°	1.9	0.1
70°-80°	0.2	0.0
80°-90°	0.0	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°	1840.4	93.5
0°-40°	1928.6	98.0
0°-60°	1966.4	99.9
0°-90°	1968.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1968.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6330	6330	6330	6330	6330	
5°	6124	6119	6117	6130	6125	557
15°	3356	3316	3338	3327	3321	899
25°	789	819	889	798	773	378
35°	132	135	127	126	106	90
45°	35	43	43	43	35	25
55°	6	6	11	6	6	5
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6329.6	6329.6	6329.6	6329.6	6329.6
2.5°	6287.7	6283.3	6285.8	6288.9	6290.2
5°	6124.5	6118.6	6117.4	6130.1	6124.8
7.5°	5795.4	5787.0	5774.3	5803.2	5830.2
10°	5244.1	5234.8	5207.2	5220.8	5242.9
12.5°	4430.2	4400.1	4399.5	4443.0	4437.1
15°	3355.9	3315.5	3337.9	3327.0	3321.1
17.5°	2256.8	2241.2	2271.1	2262.0	2223.2
20°	1623.4	1627.5	1684.3	1655.7	1621.3
22.5°	1184.6	1199.2	1266.7	1193.0	1166.0
25°	788.7	818.6	889.4	797.7	772.6
27.5°	485.1	498.8	570.6	478.9	465.2
30°	301.8	294.9	328.8	282.2	262.9
32.5°	198.0	189.3	200.1	179.6	164.1
35°	132.4	135.2	126.8	125.9	106.3
37.5°	82.7	95.1	83.9	89.5	68.4
40°	53.5	69.0	59.4	65.6	50.3
42.5°	43.8	53.1	48.8	51.9	44.7
45°	34.8	43.2	43.2	43.2	35.1
47.5°	19.3	28.9	37.0	29.5	20.5
50°	10.9	14.6	28.6	15.2	11.5
52.5°	7.5	8.4	19.6	8.7	7.8
55°	5.6	5.9	10.6	6.2	5.9
57.5°	4.4	4.7	5.6	4.7	4.4
60°	3.4	3.4	4.0	3.7	3.4
62.5°	2.5	2.5	2.8	2.5	2.5
65°	1.9	1.9	1.9	1.9	1.9
67.5°	0.9	1.2	1.2	1.2	1.2
70°	0.9	0.6	0.6	0.6	0.9
72.5°	0.6	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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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