

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: FAIL-SAFE

Report Number: P973542

Luminaire Tested: FLR2-22-25-L930-CP375

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-281-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/13/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FLR2-22-25-L930-CP375
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

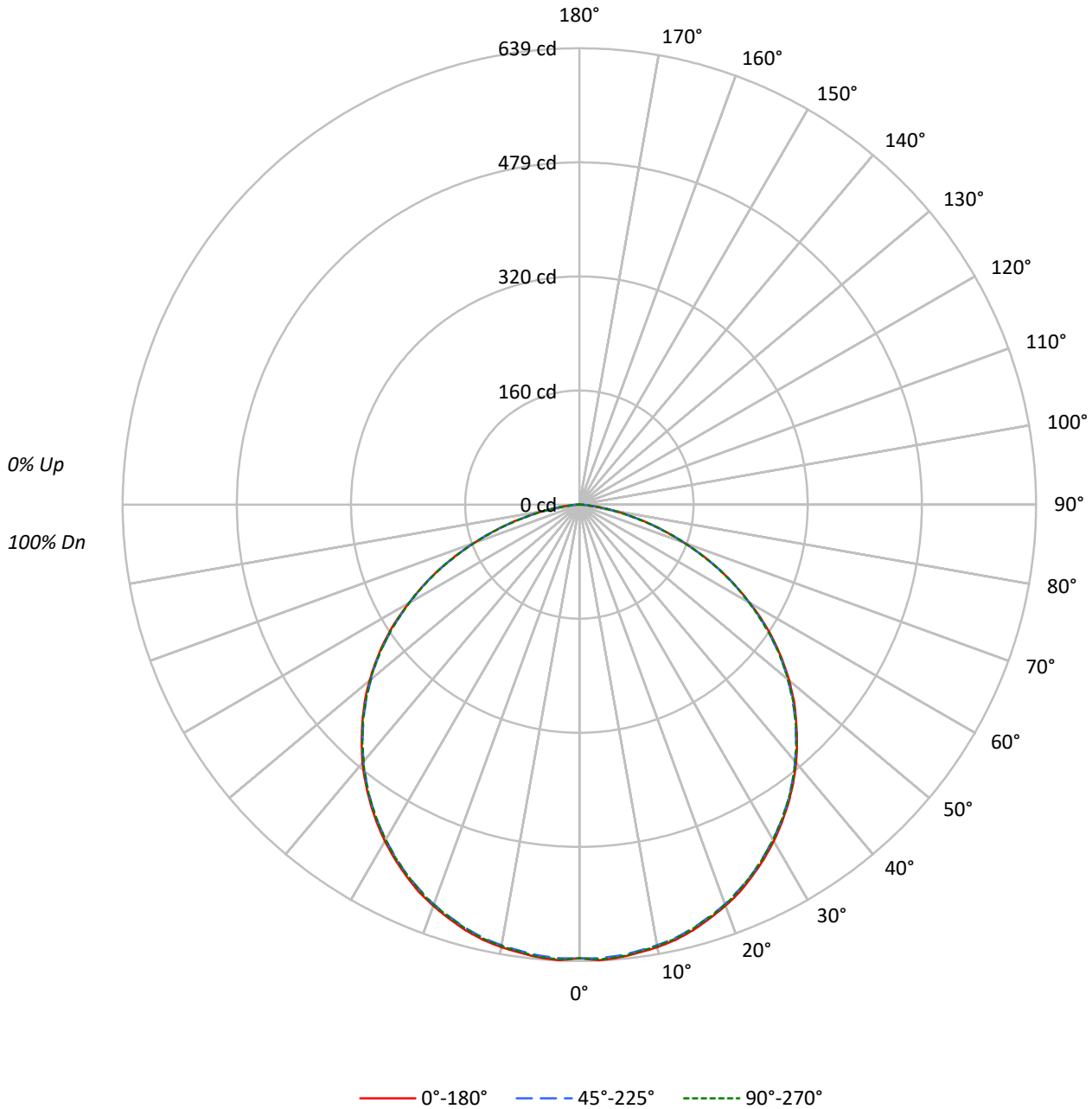
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1776.1 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.38
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 18.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P973542
CATALOG NUMBER: FLR2-22-25-L930-CP375

Luminous Intensity Polar Plot





TEST NUMBER: P973542
 CATALOG NUMBER: FLR2-22-25-L930-CP375

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	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	70	66	62	60
4	83	71	63	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	32	43	37	32	30
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1709	1709	1709
5°	1720	1712	1718
10°	1719	1712	1715
15°	1718	1710	1712
20°	1712	1705	1708
25°	1703	1696	1697
30°	1691	1683	1684
35°	1675	1669	1670
40°	1658	1650	1651
45°	1633	1626	1629
50°	1605	1593	1596
55°	1559	1546	1552
60°	1482	1476	1476
65°	1384	1381	1376
70°	1225	1231	1228
75°	1031	1024	1016
80°	742	730	724
85°	389	389	377

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1633 cd/sqm



TEST NUMBER: P973542
 CATALOG NUMBER: FLR2-22-25-L930-CP375

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	3.4
10°-20°	172.9	9.7
20°-30°	262.8	14.8
30°-40°	317.7	17.9
40°-50°	329.7	18.6
50°-60°	294.8	16.6
60°-70°	214.3	12.1
70°-80°	105.4	5.9
80°-90°	18.3	1.0
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°	495.9	27.9
0°-40°	813.6	45.8
0°-60°	1438.1	81.0
0°-90°	1776.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1776.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	635	635	635	635	635	
5°	637	629	634	632	636	61
15°	617	610	614	612	615	174
25°	574	567	571	570	572	264
35°	510	506	508	508	508	319
45°	429	427	427	428	428	331
55°	332	330	330	330	331	296
65°	217	218	217	217	216	214
75°	99	100	98	99	98	105
85°	13	13	13	13	12	18
90°	0	0	0	0	0	



TEST NUMBER: P973542
 CATALOG NUMBER: FLR2-22-25-L930-CP375

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	635.1	635.1	635.1	635.1	635.1
2.5°	638.6	631.2	635.9	633.1	637.5
5°	636.7	629.2	633.9	631.6	635.9
7.5°	633.1	625.7	630.4	628.0	631.6
10°	629.2	621.4	626.5	624.1	627.6
12.5°	624.1	616.7	621.4	619.4	622.5
15°	616.7	609.6	613.9	612.3	614.7
17.5°	607.6	600.6	604.9	603.7	605.7
20°	597.8	591.2	595.5	594.3	596.3
22.5°	586.8	579.8	583.7	582.9	584.5
25°	573.5	567.2	571.2	570.0	571.5
27.5°	559.4	553.5	556.6	556.6	557.4
30°	544.1	538.6	541.7	541.7	542.1
32.5°	527.6	523.3	525.3	525.7	525.7
35°	510.0	506.4	508.0	508.4	508.4
37.5°	491.5	488.0	489.2	490.0	490.0
40°	471.9	468.8	469.6	470.3	469.9
42.5°	450.7	448.4	448.8	449.5	449.5
45°	429.2	427.2	427.2	428.0	428.0
47.5°	407.2	405.2	404.4	405.2	405.2
50°	383.3	381.3	380.5	381.3	381.3
52.5°	358.1	356.2	356.2	356.2	356.6
55°	332.3	330.3	329.5	330.3	330.7
57.5°	304.8	304.0	302.8	303.2	302.1
60°	275.4	275.4	274.2	275.0	274.2
62.5°	246.7	247.5	246.3	246.3	245.6
65°	217.3	218.1	216.9	216.9	216.1
67.5°	187.1	188.3	186.7	186.7	185.9
70°	155.7	158.1	156.5	156.9	156.1
72.5°	127.5	128.7	127.1	127.1	126.3
75°	99.2	100.0	98.5	98.9	97.7
77.5°	71.4	72.6	71.0	71.4	71.0
80°	47.9	48.3	47.1	47.5	46.7
82.5°	27.9	28.2	27.9	27.5	27.1
85°	12.6	12.9	12.6	12.6	12.2
87.5°	3.1	3.1	3.1	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)