

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: P974123

Luminaire Tested: FLR2-24-35-L930-CP125

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P974123
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-281-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/13/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FLR2-24-35-L930-CP125
Description: SHAPER SENSE CIRCLE

Light Source: FLR2-24-35-L930-CP125
Ballast/Driver: -

Summary

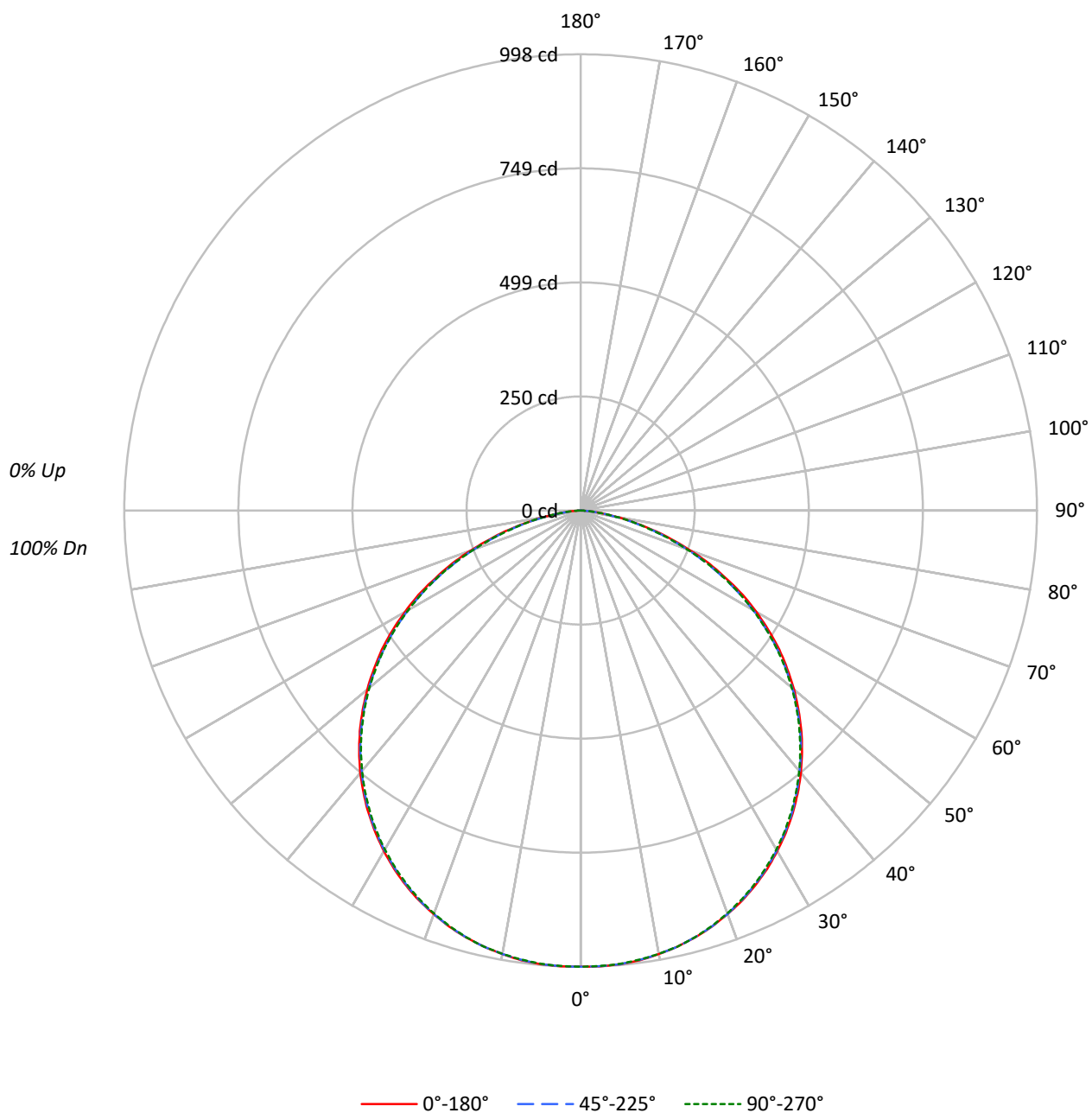
Lumens per Lamp: N/A
Luminaire Lumens: 2820.6 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.39
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.4
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

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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	109	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85		85
2	99	91	85	79	97	89	83	78	86	81	76	83	78	75	80	76	73	71		71
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	70	66	62	60		60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51		51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44		44
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	38		38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34		34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	30		30
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	39	33	29	27		27
10	53	40	32	27	52	39	32	27	38	31	27	38	31	26	37	31	26	25		25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1343	1343	1343
5°	1345	1345	1345
10°	1346	1346	1345
15°	1347	1346	1346
20°	1345	1345	1343
25°	1343	1340	1338
30°	1337	1333	1330
35°	1328	1325	1320
40°	1316	1308	1306
45°	1299	1292	1288
50°	1275	1265	1262
55°	1245	1227	1225
60°	1193	1172	1172
65°	1116	1090	1093
70°	1004	973	971
75°	843	810	806
80°	616	586	611
85°	349	321	326

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1299 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	3.4
10°-20°	272.9	9.7
20°-30°	416.1	14.8
30°-40°	504.1	17.9
40°-50°	523.6	18.6
50°-60°	468.4	16.6
60°-70°	341.4	12.1
70°-80°	169.1	6.0
80°-90°	30.2	1.1
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°	783.7	27.8
0°-40°	1287.8	45.7
0°-60°	2279.9	80.8
0°-90°	2820.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2820.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	998	998	998	998	998	
5°	996	997	996	996	996	95
15°	967	966	966	967	966	273
25°	904	904	903	902	901	417
35°	809	808	806	805	804	506
45°	683	681	679	678	677	526
55°	531	527	523	523	522	473
65°	351	348	342	344	343	348
75°	162	160	156	159	155	173
85°	23	21	21	21	21	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	998.0	998.0	998.0	998.0	998.0
2.5°	998.0	997.6	997.6	998.0	997.3
5°	996.2	996.6	996.2	996.2	995.5
7.5°	992.3	991.9	991.5	991.9	990.8
10°	985.5	985.5	985.1	985.5	984.7
12.5°	977.2	977.2	977.2	977.6	977.2
15°	966.8	966.5	966.5	967.2	966.5
17.5°	954.7	954.3	954.3	953.9	953.2
20°	939.6	939.6	939.3	938.9	937.8
22.5°	923.5	923.1	922.1	922.1	920.6
25°	904.5	903.5	902.7	902.4	901.3
27.5°	883.8	882.3	881.3	880.5	879.5
30°	860.5	859.1	858.0	856.9	856.2
32.5°	835.4	834.7	832.9	832.6	831.1
35°	808.6	807.5	806.4	805.0	803.5
37.5°	779.9	778.8	776.3	775.6	774.5
40°	749.5	748.0	744.8	744.8	743.7
42.5°	716.9	715.5	713.3	711.9	711.2
45°	682.9	681.4	678.9	677.5	676.8
47.5°	646.7	645.6	642.8	641.7	640.6
50°	609.1	607.7	604.5	603.7	602.7
52.5°	569.7	569.0	564.7	564.3	563.3
55°	530.7	526.7	523.2	523.2	522.4
57.5°	487.7	484.8	480.2	480.2	479.5
60°	443.3	440.8	435.4	436.1	435.4
62.5°	400.0	394.6	389.6	391.7	390.0
65°	350.6	347.7	342.3	343.8	343.4
67.5°	305.4	300.1	295.1	297.9	296.5
70°	255.3	252.5	247.4	250.3	246.7
72.5°	208.0	205.5	200.5	203.8	200.2
75°	162.2	159.7	155.8	158.6	155.1
77.5°	118.9	117.1	113.5	116.4	117.1
80°	79.5	77.3	75.6	78.1	78.8
82.5°	46.6	45.1	44.4	44.8	46.6
85°	22.6	20.8	20.8	21.1	21.1
87.5°	6.1	5.4	6.1	6.4	6.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)