

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: P973801

Luminaire Tested: FLR2-22-35HE-L930-CA125

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973801
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: FLR2-22-35HE-L930-CA125
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

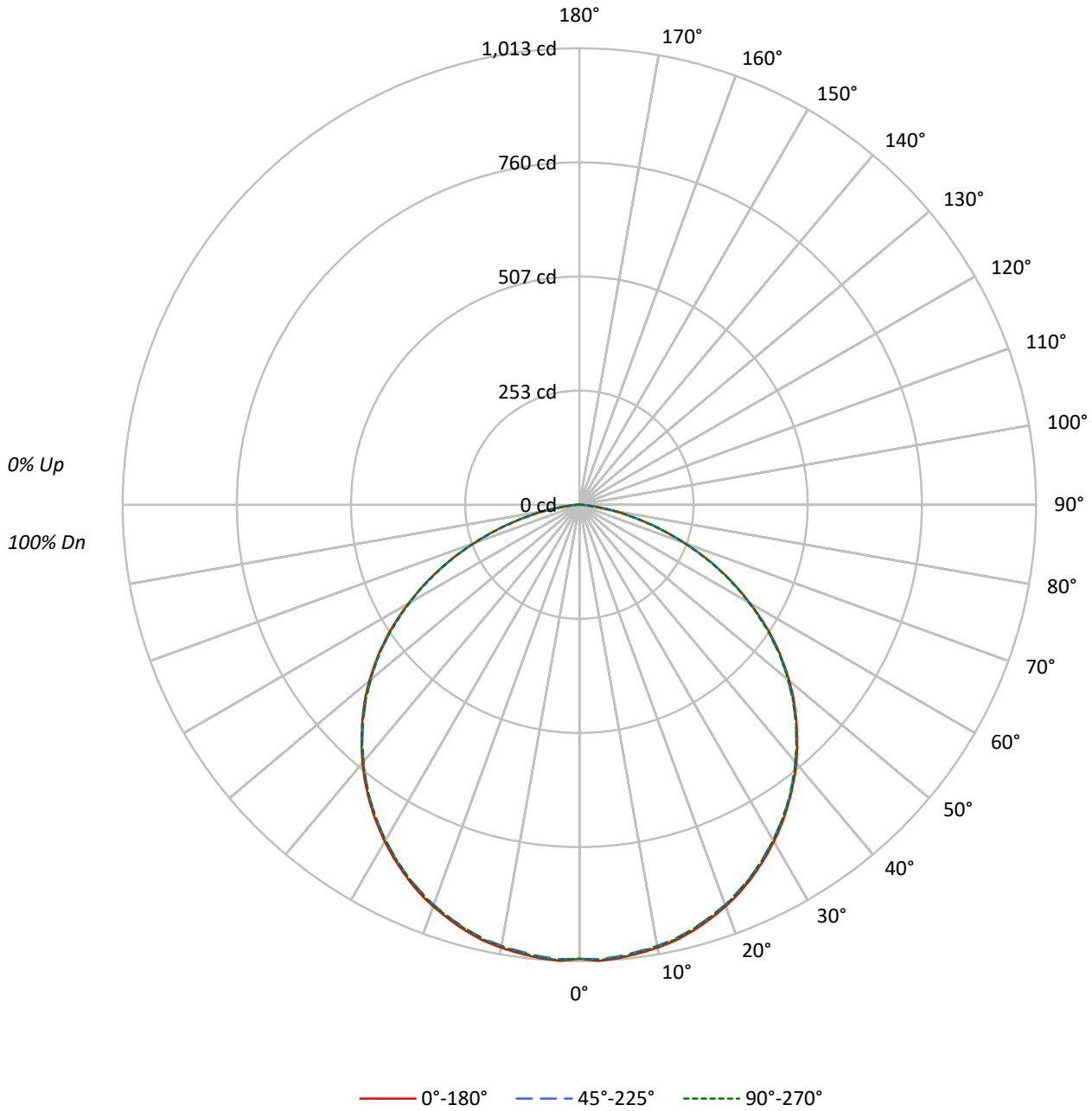
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2817.8 lumens
Efficiency: N/A
Efficacy: 103.6 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): 27.2
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: P973801
CATALOG NUMBER: FLR2-22-35HE-L930-CA125

Luminous Intensity Polar Plot





TEST NUMBER: P973801
 CATALOG NUMBER: FLR2-22-35HE-L930-CA125

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2711	2711	2711
5°	2729	2717	2725
10°	2728	2716	2721
15°	2726	2713	2717
20°	2716	2706	2709
25°	2702	2691	2692
30°	2682	2671	2673
35°	2658	2648	2650
40°	2630	2617	2619
45°	2591	2579	2584
50°	2546	2527	2532
55°	2473	2453	2462
60°	2351	2341	2341
65°	2195	2192	2183
70°	1944	1954	1949
75°	1638	1624	1612
80°	1176	1158	1148
85°	614	614	596

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2591 cd/sqm



TEST NUMBER: P973801
 CATALOG NUMBER: FLR2-22-35HE-L930-CA125

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	3.4
10°-20°	274.4	9.7
20°-30°	417.0	14.8
30°-40°	504.0	17.9
40°-50°	523.1	18.6
50°-60°	467.7	16.6
60°-70°	340.0	12.1
70°-80°	167.2	5.9
80°-90°	29.0	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°	786.8	27.9
0°-40°	1290.8	45.8
0°-60°	2281.6	81.0
0°-90°	2817.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2817.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1008	1008	1008	1008	1008	
5°	1010	998	1006	1002	1009	96
15°	978	967	974	972	975	276
25°	910	900	906	904	907	419
35°	809	804	806	807	807	506
45°	681	678	678	679	679	525
55°	527	524	523	524	525	470
65°	345	346	344	344	343	340
75°	158	159	156	157	155	167
85°	20	20	20	20	19	29
90°	0	0	0	0	0	



TEST NUMBER: P973801
 CATALOG NUMBER: FLR2-22-35HE-L930-CA125

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1007.6	1007.6	1007.6	1007.6	1007.6
2.5°	1013.2	1001.4	1008.9	1004.5	1011.4
5°	1010.1	998.3	1005.8	1002.0	1008.9
7.5°	1004.5	992.7	1000.1	996.4	1002.0
10°	998.3	985.8	993.9	990.2	995.8
12.5°	990.2	978.4	985.8	982.7	987.7
15°	978.4	967.2	974.0	971.5	975.3
17.5°	964.1	952.8	959.7	957.8	960.9
20°	948.5	937.9	944.8	942.9	946.0
22.5°	931.1	919.9	926.1	924.8	927.3
25°	909.9	899.9	906.2	904.3	906.8
27.5°	887.5	878.2	883.1	883.1	884.4
30°	863.2	854.5	859.5	859.5	860.1
32.5°	837.1	830.2	833.4	834.0	834.0
35°	809.1	803.5	806.0	806.6	806.6
37.5°	779.8	774.2	776.1	777.3	777.3
40°	748.7	743.7	745.0	746.2	745.6
42.5°	715.1	711.4	712.0	713.2	713.2
45°	680.9	677.8	677.8	679.0	679.0
47.5°	646.0	642.9	641.7	642.9	642.9
50°	608.1	604.9	603.7	604.9	604.9
52.5°	568.2	565.1	565.1	565.1	565.7
55°	527.1	524.0	522.8	524.0	524.7
57.5°	483.6	482.3	480.5	481.1	479.2
60°	436.9	436.9	435.0	436.3	435.0
62.5°	391.5	392.7	390.8	390.8	389.6
65°	344.8	346.0	344.2	344.2	342.9
67.5°	296.9	298.7	296.2	296.2	295.0
70°	247.1	250.8	248.3	248.9	247.7
72.5°	202.3	204.1	201.6	201.6	200.4
75°	157.5	158.7	156.2	156.8	155.0
77.5°	113.3	115.1	112.6	113.3	112.6
80°	75.9	76.6	74.7	75.3	74.1
82.5°	44.2	44.8	44.2	43.6	42.9
85°	19.9	20.5	19.9	19.9	19.3
87.5°	5.0	5.0	5.0	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)