

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: P973115

Luminaire Tested: FLR2-14-30HE-L930-CA125

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973115
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-281-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/13/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FLR2-14-30HE-L930-CA125
Description: 1*4 FLR-2.0 3000 Lumen High Efficacy at 3000CCT & 90 CRI Clear Aryalic (0.125" thickness)

Light Source:
Ballast/Driver: -

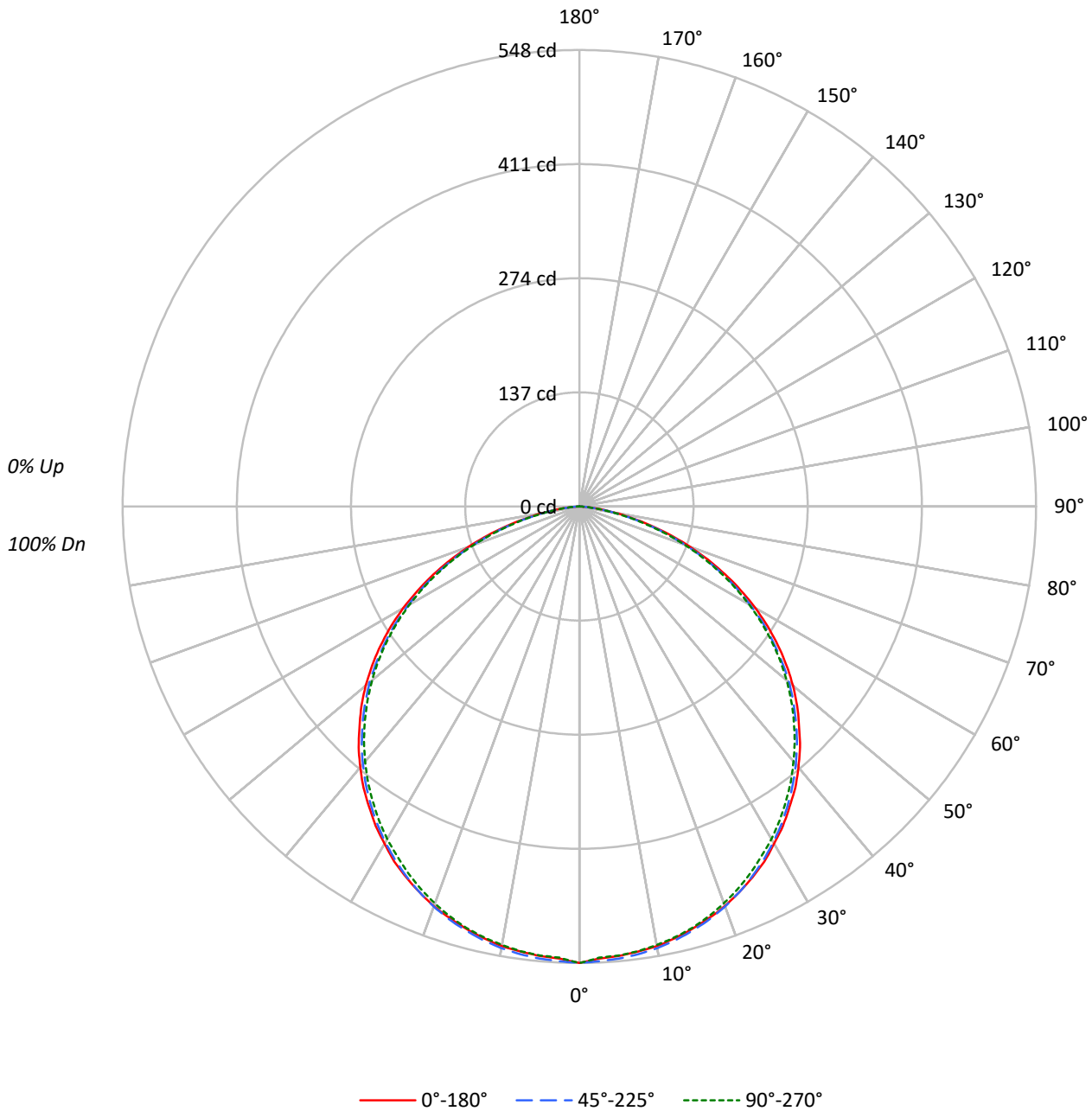
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1534.0 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.25 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.4
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				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	62	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	70	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	49	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	38	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	39	32	27	38	32	27	38	31	27	37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1475	1475	1475
5°	1463	1472	1461
10°	1465	1471	1461
15°	1462	1468	1459
20°	1462	1464	1452
25°	1459	1456	1443
30°	1453	1446	1432
35°	1445	1434	1419
40°	1437	1419	1405
45°	1419	1399	1385
50°	1401	1375	1359
55°	1365	1333	1321
60°	1313	1276	1265
65°	1229	1193	1180
70°	1109	1064	1055
75°	930	882	872
80°	676	629	612
85°	358	315	287

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1419 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.9	3.4
10°-20°	149.1	9.7
20°-30°	226.5	14.8
30°-40°	274.0	17.9
40°-50°	284.7	18.6
50°-60°	254.9	16.6
60°-70°	185.9	12.1
70°-80°	91.6	6.0
80°-90°	15.3	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°	427.5	27.9
0°-40°	701.5	45.7
0°-60°	1241.1	80.9
0°-90°	1534.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1534.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	548	548	548	548	548	
5°	542	548	545	550	541	52
15°	525	530	527	532	524	148
25°	491	494	490	493	486	227
35°	440	441	436	438	432	275
45°	373	372	368	368	364	288
55°	291	289	284	284	282	260
65°	193	191	187	186	185	191
75°	89	88	85	84	84	95
85°	12	11	10	9	9	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	548.1	548.1	548.1	548.1	548.1
2.5°	543.3	549.4	546.5	551.9	542.2
5°	541.7	547.6	544.9	550.1	541.0
7.5°	539.0	545.1	542.2	547.2	538.5
10°	536.0	541.5	538.3	543.3	534.5
12.5°	530.8	536.3	533.3	537.9	529.7
15°	524.9	529.7	527.0	531.5	523.8
17.5°	518.1	522.7	519.7	523.8	516.1
20°	510.6	514.3	511.1	514.5	507.0
22.5°	501.3	504.7	501.3	503.6	497.0
25°	491.4	493.8	490.4	492.7	485.9
27.5°	480.7	482.1	478.6	480.5	473.4
30°	467.5	469.1	465.5	467.8	461.0
32.5°	454.8	455.7	451.7	453.5	447.3
35°	439.9	440.8	436.5	438.3	432.1
37.5°	425.6	425.3	420.8	421.9	416.7
40°	409.0	408.8	404.0	404.9	399.9
42.5°	392.0	391.1	386.5	387.0	382.5
45°	372.9	372.5	367.7	368.4	363.9
47.5°	354.6	353.2	348.4	348.7	344.8
50°	334.6	332.6	328.5	328.0	324.6
52.5°	313.3	311.0	306.5	306.0	303.5
55°	291.0	288.6	284.2	283.6	281.5
57.5°	268.1	265.0	261.6	260.2	258.6
60°	243.9	240.9	237.1	235.7	235.0
62.5°	218.7	215.7	212.8	211.4	210.5
65°	193.0	190.8	187.4	186.0	185.3
67.5°	167.0	164.9	161.7	160.2	159.9
70°	140.9	138.8	135.2	134.3	134.1
72.5°	114.8	113.0	109.6	108.7	108.7
75°	89.4	87.8	84.8	83.9	83.9
77.5°	65.3	64.0	61.7	60.6	60.6
80°	43.6	42.6	40.6	39.7	39.5
82.5°	25.2	24.7	22.9	22.0	22.5
85°	11.6	11.1	10.2	9.1	9.3
87.5°	2.9	2.7	2.0	1.6	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)