

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: P975057

Luminaire Tested: FLR2-24-35HE-L950-CP125

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P975057
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: FLR2-24-35HE-L950-CP125
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

Summary

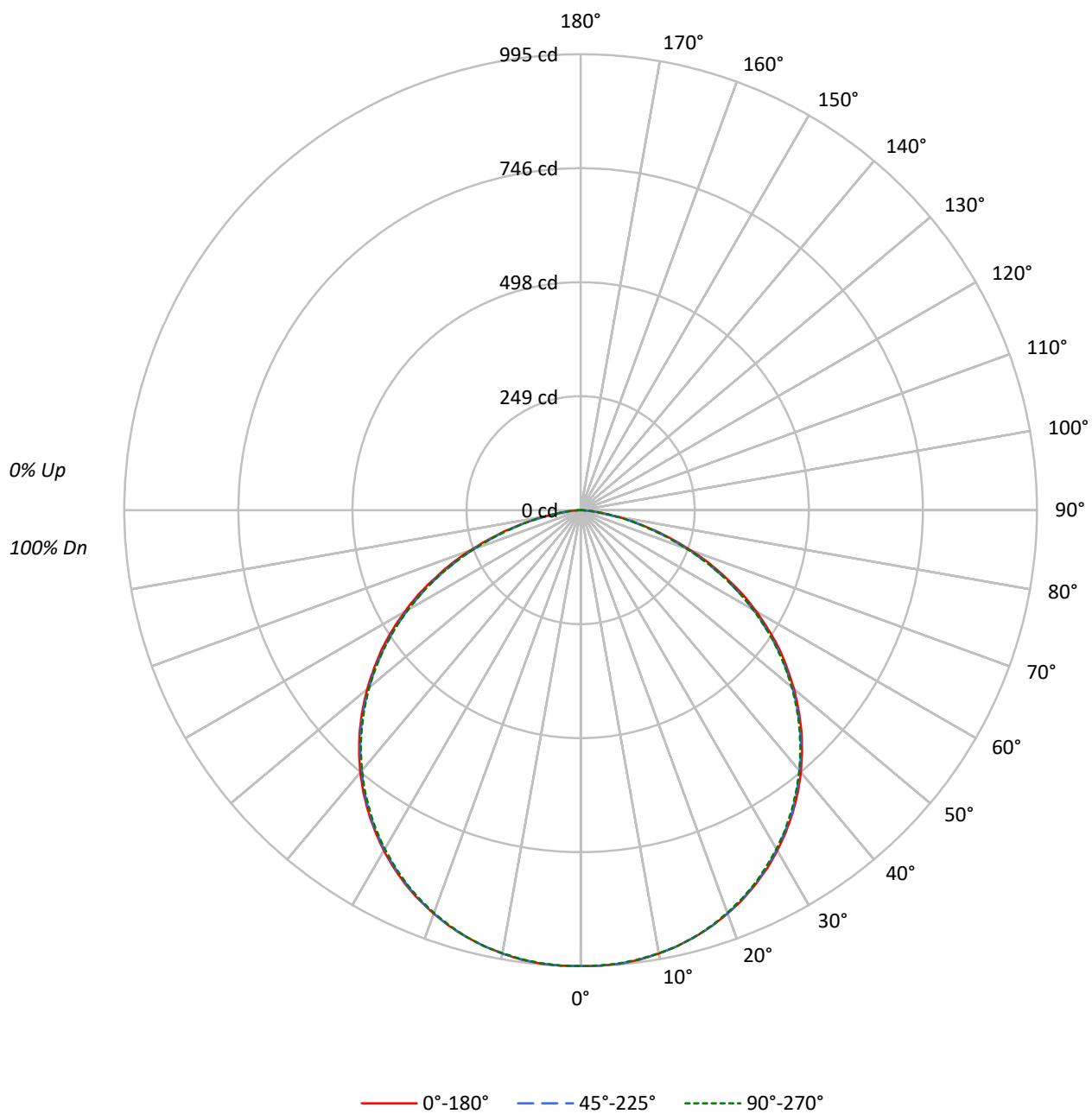
Lumens per Lamp: N/A
Luminaire Lumens: 2812.5 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.39
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.6
Input Voltage (V):
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		
1	109	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85		
2	99	91	85	79	97	89	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	57	53	51		
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44		
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	38		
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	39	33	29	27		
10	53	40	32	27	52	39	32	27	38	31	27	38	31	26	37	31	26	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1339	1339	1339
5°	1342	1342	1341
10°	1342	1342	1342
15°	1343	1342	1342
20°	1341	1341	1339
25°	1339	1336	1334
30°	1333	1329	1326
35°	1324	1321	1316
40°	1313	1304	1303
45°	1296	1288	1284
50°	1271	1262	1258
55°	1241	1224	1222
60°	1189	1168	1168
65°	1113	1087	1090
70°	1002	971	968
75°	841	807	804
80°	614	583	609
85°	347	320	326

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1296 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.5	3.4
10°-20°	272.1	9.7
20°-30°	414.9	14.8
30°-40°	502.7	17.9
40°-50°	522.1	18.6
50°-60°	467.1	16.6
60°-70°	340.4	12.1
70°-80°	168.6	6.0
80°-90°	30.1	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°	781.5	27.8
0°-40°	1284.1	45.7
0°-60°	2273.4	80.8
0°-90°	2812.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2812.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	995	995	995	995	995	
5°	993	994	993	993	993	94
15°	964	964	964	964	964	272
25°	902	901	900	900	899	416
35°	806	805	804	803	801	504
45°	681	680	677	676	675	525
55°	529	525	522	522	521	471
65°	350	347	341	343	342	347
75°	162	159	155	158	155	172
85°	22	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°	995.1	995.1	995.1	995.1	995.1
2.5°	995.1	994.8	994.8	995.1	994.4
5°	993.3	993.7	993.3	993.3	992.6
7.5°	989.4	989.0	988.7	989.0	988.0
10°	982.6	982.6	982.3	982.6	981.9
12.5°	974.4	974.4	974.4	974.8	974.4
15°	964.1	963.7	963.7	964.4	963.7
17.5°	951.9	951.6	951.6	951.2	950.5
20°	936.9	936.9	936.6	936.2	935.1
22.5°	920.8	920.5	919.4	919.4	918.0
25°	901.9	900.9	900.1	899.8	898.7
27.5°	881.2	879.8	878.7	878.0	876.9
30°	858.0	856.6	855.5	854.4	853.7
32.5°	833.0	832.3	830.5	830.2	828.7
35°	806.2	805.2	804.1	802.7	801.2
37.5°	777.7	776.6	774.1	773.4	772.3
40°	747.3	745.9	742.7	742.7	741.6
42.5°	714.8	713.4	711.3	709.8	709.1
45°	680.9	679.5	677.0	675.6	674.8
47.5°	644.8	643.8	640.9	639.8	638.8
50°	607.4	605.9	602.7	602.0	600.9
52.5°	568.1	567.4	563.1	562.7	561.7
55°	529.2	525.2	521.7	521.7	520.9
57.5°	486.3	483.5	478.8	478.8	478.1
60°	442.0	439.5	434.2	434.9	434.2
62.5°	398.8	393.5	388.5	390.6	388.8
65°	349.6	346.7	341.3	342.8	342.4
67.5°	304.6	299.2	294.2	297.1	295.6
70°	254.6	251.7	246.7	249.6	246.0
72.5°	207.5	205.0	200.0	203.2	199.6
75°	161.7	159.2	155.3	158.2	154.6
77.5°	118.5	116.8	113.2	116.0	116.8
80°	79.3	77.1	75.3	77.8	78.6
82.5°	46.4	45.0	44.3	44.6	46.4
85°	22.5	20.7	20.7	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)