

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: P975090

Luminaire Tested: FLR2-24-35HE-L950-CP375

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P975090
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-CP375
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

Summary

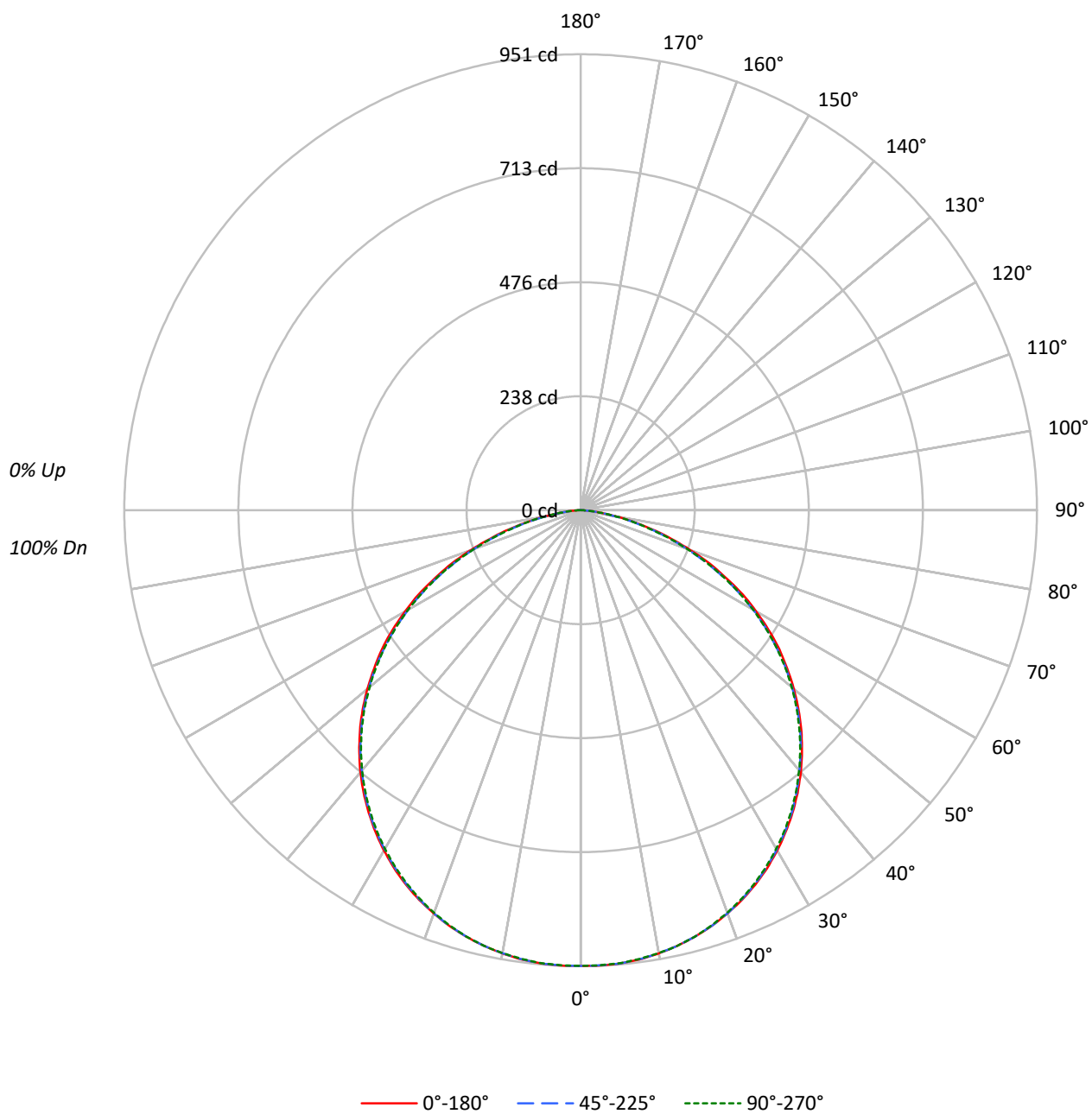
Lumens per Lamp: N/A
Luminaire Lumens: 2686.9 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.39
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P975090

CATALOG NUMBER: FLR2-24-35HE-L950-CP375

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°	1279	1279	1279
5°	1282	1282	1281
10°	1283	1282	1282
15°	1283	1282	1282
20°	1282	1281	1279
25°	1279	1277	1275
30°	1274	1270	1267
35°	1265	1262	1257
40°	1254	1246	1244
45°	1238	1231	1227
50°	1214	1205	1202
55°	1186	1169	1167
60°	1136	1116	1116
65°	1063	1038	1041
70°	957	927	924
75°	803	771	768
80°	587	558	581
85°	332	306	310

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1238 cd/sqm

TEST NUMBER: P975090

CATALOG NUMBER: FLR2-24-35HE-L950-CP375

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	3.4
10°-20°	260.0	9.7
20°-30°	396.4	14.8
30°-40°	480.2	17.9
40°-50°	498.8	18.6
50°-60°	446.2	16.6
60°-70°	325.2	12.1
70°-80°	161.1	6.0
80°-90°	28.8	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°	746.6	27.8
0°-40°	1226.8	45.7
0°-60°	2171.9	80.8
0°-90°	2686.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2686.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	951	951	951	951	951	
5°	949	949	949	949	948	90
15°	921	921	921	921	921	260
25°	862	861	860	860	859	397
35°	770	769	768	767	766	482
45°	650	649	647	645	645	501
55°	506	502	498	498	498	450
65°	334	331	326	328	327	331
75°	154	152	148	151	148	165
85°	22	20	20	20	20	30
90°	0	0	0	0	0	

TEST NUMBER: P975090

CATALOG NUMBER: FLR2-24-35HE-L950-CP375

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	950.7	950.7	950.7	950.7	950.7
2.5°	950.7	950.4	950.4	950.7	950.0
5°	949.0	949.3	949.0	949.0	948.3
7.5°	945.2	944.9	944.6	944.9	943.9
10°	938.8	938.8	938.4	938.8	938.1
12.5°	930.9	930.9	930.9	931.3	930.9
15°	921.0	920.7	920.7	921.4	920.7
17.5°	909.4	909.1	909.1	908.7	908.1
20°	895.1	895.1	894.8	894.4	893.4
22.5°	879.7	879.4	878.4	878.4	877.0
25°	861.7	860.6	860.0	859.6	858.6
27.5°	841.9	840.5	839.5	838.8	837.8
30°	819.7	818.3	817.3	816.3	815.6
32.5°	795.8	795.2	793.4	793.1	791.7
35°	770.2	769.2	768.2	766.8	765.5
37.5°	743.0	741.9	739.5	738.9	737.8
40°	714.0	712.6	709.5	709.5	708.5
42.5°	682.9	681.6	679.5	678.1	677.5
45°	650.5	649.2	646.8	645.4	644.7
47.5°	616.1	615.0	612.3	611.3	610.3
50°	580.2	578.9	575.8	575.1	574.1
52.5°	542.7	542.0	537.9	537.6	536.6
55°	505.5	501.8	498.4	498.4	497.7
57.5°	464.6	461.9	457.4	457.4	456.8
60°	422.3	419.9	414.8	415.5	414.8
62.5°	381.0	375.9	371.1	373.2	371.5
65°	334.0	331.2	326.1	327.5	327.1
67.5°	291.0	285.9	281.1	283.8	282.4
70°	243.2	240.5	235.7	238.4	235.0
72.5°	198.2	195.8	191.0	194.1	190.7
75°	154.5	152.1	148.4	151.1	147.7
77.5°	113.3	111.5	108.1	110.9	111.5
80°	75.7	73.7	72.0	74.4	75.0
82.5°	44.3	43.0	42.3	42.6	44.3
85°	21.5	19.8	19.8	20.1	20.1
87.5°	5.8	5.1	5.8	6.1	6.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)