

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P997343

Luminaire Tested: FSP-22-L3C3-CA125-4000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CA125-4000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

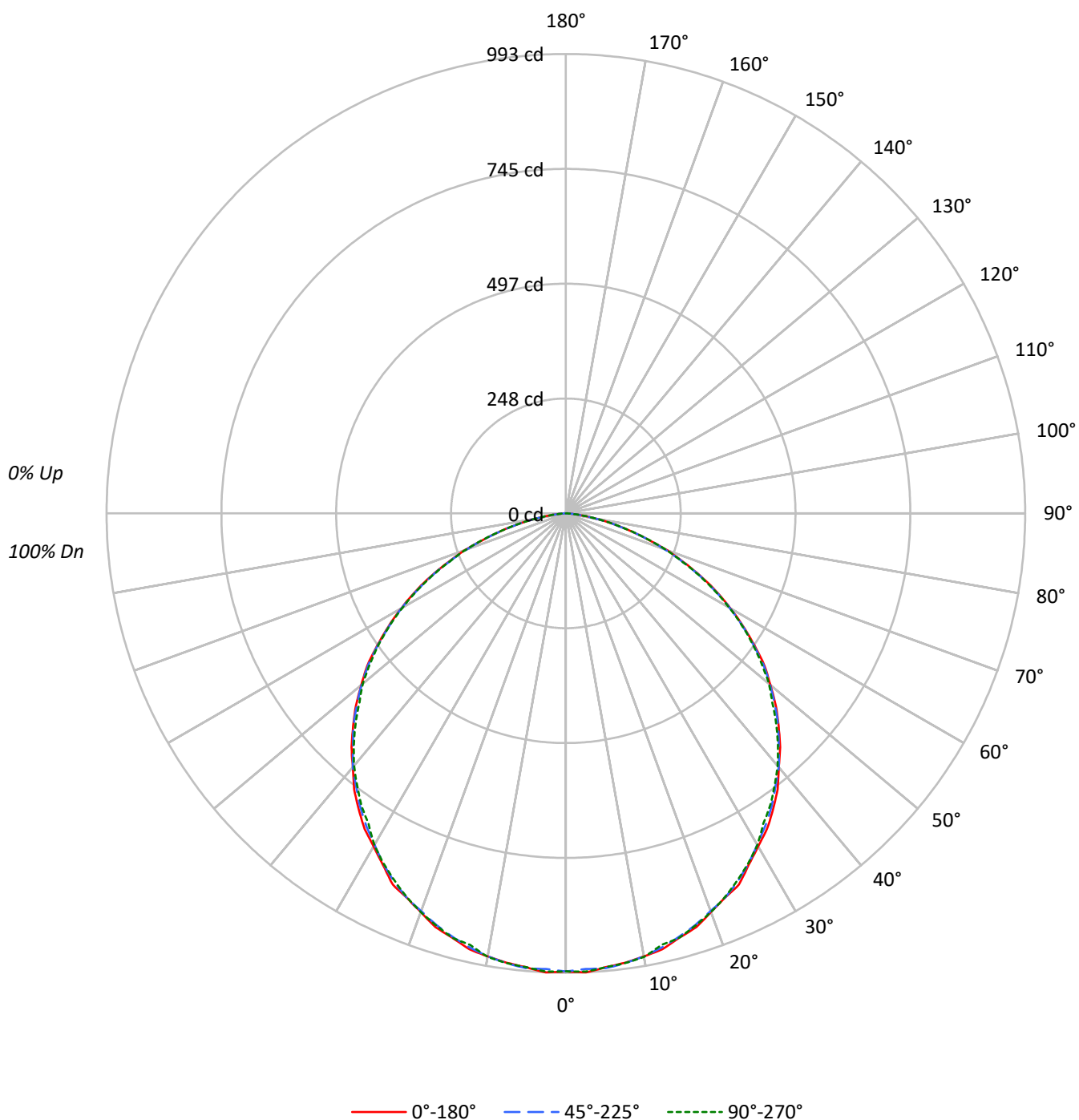
Lumens per Lamp: N/A
Luminaire Lumens: 2684.0 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

Input Watts (W): 24.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P997343

CATALOG NUMBER: FSP-22-L3C3-CA125-4000K-MID

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	105	101	97	107	103	99	96	98	95	93		94	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	66	89	79	72	66	76	70	65		73	68	64		71
4	83	72	63	56	81	70	62	56	68	61	55		65	59	54		63
5	77	64	55	49	75	63	55	48	61	53	48		59	52	47		57
6	71	58	49	42	69	57	48	42	55	47	42		53	47	42		52
7	66	52	44	38	64	51	43	37	50	42	37		48	42	37		47
8	61	48	39	33	60	47	39	33	46	38	33		44	38	33		43
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40
10	54	40	33	27	52	40	32	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3244	3244	3244
5°	3239	3246	3239
10°	3235	3235	3239
15°	3220	3213	3220
20°	3197	3190	3197
25°	3202	3175	3168
30°	3145	3129	3133
35°	3124	3099	3082
40°	3063	3063	3045
45°	3013	3009	2979
50°	2942	2937	2921
55°	2843	2831	2819
60°	2693	2686	2672
65°	2496	2480	2472
70°	2224	2183	2214
75°	1788	1774	1788
80°	1283	1243	1243
85°	628	628	628

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3013 cd/sqm

TEST NUMBER: P997343

CATALOG NUMBER: FSP-22-L3C3-CA125-4000K-MID

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.7	3.5
10°-20°	267.6	10.0
20°-30°	404.1	15.1
30°-40°	484.6	18.1
40°-50°	499.1	18.6
50°-60°	442.0	16.5
60°-70°	316.1	11.8
70°-80°	151.4	5.6
80°-90°	25.6	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°	765.3	28.5
0°-40°	1249.9	46.6
0°-60°	2191.0	81.6
0°-90°	2684.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2684.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	990	990	990	990	990	
5°	985	984	987	985	985	94
15°	949	949	947	947	949	268
25°	886	879	878	875	876	406
35°	781	777	775	773	771	488
45°	650	649	649	646	643	502
55°	498	496	496	492	494	444
65°	322	320	320	320	319	318
75°	141	141	140	140	141	152
85°	17	17	17	17	17	26
90°	0	0	0	0	0	

TEST NUMBER: P997343

CATALOG NUMBER: FSP-22-L3C3-CA125-4000K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	990.1	990.1	990.1	990.1	990.1
2.5°	993.3	990.1	986.0	989.1	991.2
5°	984.9	983.9	987.0	984.9	984.9
7.5°	979.7	981.8	980.7	980.7	980.7
10°	972.4	972.4	972.4	971.3	973.4
12.5°	965.0	959.8	960.9	960.9	955.6
15°	949.4	949.4	947.3	947.3	949.4
17.5°	937.9	935.8	932.6	932.6	933.7
20°	917.0	917.0	914.9	912.8	917.0
22.5°	899.2	903.4	899.2	895.0	898.1
25°	885.6	879.3	878.3	875.1	876.2
27.5°	856.3	853.2	854.2	852.1	853.2
30°	831.2	829.1	827.0	824.9	828.1
32.5°	809.3	807.2	801.9	800.9	794.6
35°	781.0	776.8	774.8	772.7	770.6
37.5°	751.8	747.6	744.4	743.4	741.3
40°	716.2	714.1	716.2	711.0	712.0
42.5°	685.9	683.8	680.7	678.6	678.6
45°	650.3	649.3	649.3	646.2	643.0
47.5°	615.8	614.8	612.7	608.5	605.4
50°	577.1	578.2	576.1	571.9	573.0
52.5°	541.6	535.3	538.5	534.3	533.2
55°	497.7	495.6	495.6	492.5	493.5
57.5°	454.8	454.8	452.7	452.7	451.7
60°	410.9	409.9	409.9	408.8	407.8
62.5°	368.0	367.0	364.9	364.9	363.9
65°	322.0	319.9	319.9	319.9	318.9
67.5°	276.0	273.9	272.9	272.9	271.8
70°	232.1	229.0	227.9	227.9	231.1
72.5°	183.0	184.0	183.0	184.0	185.1
75°	141.2	141.2	140.1	140.1	141.2
77.5°	102.5	102.5	102.5	102.5	103.5
80°	68.0	65.9	65.9	65.9	65.9
82.5°	37.6	37.6	37.6	38.7	39.7
85°	16.7	16.7	16.7	16.7	16.7
87.5°	6.3	6.3	6.3	6.3	5.2
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997343

CATALOG NUMBER: FSP-22-L3C3-CA125-4000K-MID

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.83	17.44	16.19	17.75	18.07	15.79	17.41	16.16	17.72	18.03
	3H	17.37	18.83	17.75	19.15	19.51	17.33	18.78	17.71	19.11	19.47
	4H	17.83	19.20	18.23	19.55	19.92	17.80	19.17	18.20	19.51	19.89
	6H	18.08	19.34	18.49	19.71	20.10	18.05	19.31	18.46	19.68	20.07
	8H	18.12	19.32	18.54	19.71	20.11	18.09	19.29	18.51	19.68	20.08
	12H	18.12	19.27	18.55	19.66	20.08	18.09	19.25	18.52	19.63	20.06
4H	2H	16.40	17.76	16.79	18.11	18.48	16.37	17.73	16.77	18.08	18.46
	3H	18.13	19.26	18.54	19.66	20.06	18.09	19.23	18.50	19.63	20.03
	4H	18.68	19.71	19.11	20.12	20.56	18.65	19.68	19.08	20.09	20.53
	6H	19.01	19.90	19.47	20.34	20.80	18.98	19.87	19.44	20.32	20.77
	8H	19.07	19.90	19.53	20.34	20.81	19.04	19.87	19.50	20.32	20.78
	12H	19.08	19.83	19.56	20.31	20.78	19.06	19.81	19.54	20.28	20.75
8H	4H	18.88	19.71	19.34	20.16	20.62	18.85	19.69	19.31	20.13	20.60
	6H	19.26	19.95	19.76	20.44	20.92	19.24	19.93	19.73	20.42	20.89
	8H	19.35	19.96	19.86	20.47	20.96	19.33	19.94	19.84	20.45	20.94
	12H	19.38	19.93	19.89	20.42	20.98	19.37	19.91	19.88	20.40	20.97
12H	4H	18.88	19.63	19.36	20.11	20.58	18.86	19.60	19.34	20.08	20.55
	6H	19.27	19.88	19.78	20.39	20.88	19.24	19.86	19.75	20.37	20.85
	8H	19.38	19.92	19.89	20.41	20.98	19.36	19.91	19.87	20.40	20.96