

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: P997346

Luminaire Tested: FSP-22-L3C3-CP125-3000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CP125-3000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

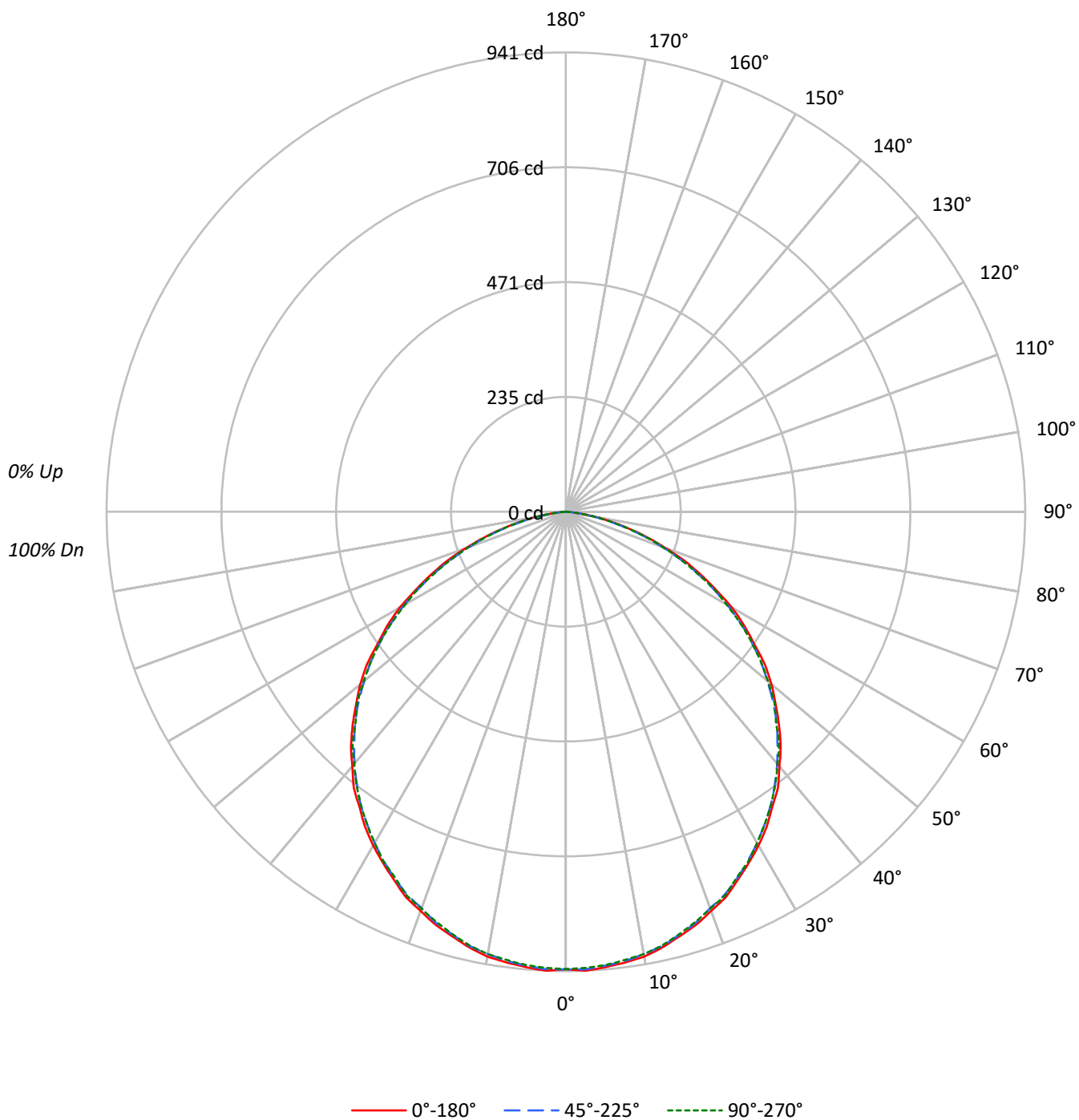
Lumens per Lamp: N/A
Luminaire Lumens: 2526.0 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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: P997346

CATALOG NUMBER: FSP-22-L3C3-CP125-3000K-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		95	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	83	72	63	57	81	70	62	56	68	61	55		66	60	55		63
5	77	64	55	49	75	63	55	49	61	54	48		59	53	47		57
6	71	58	49	43	69	57	49	42	55	48	42		53	47	42		52
7	66	52	44	38	64	52	43	38	50	43	37		49	42	37		47
8	61	48	39	34	60	47	39	34	46	39	33		45	38	33		43
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40
10	54	41	33	27	52	40	32	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3070	3070	3070
5°	3079	3069	3066
10°	3078	3061	3061
15°	3053	3043	3040
20°	3034	3013	3017
25°	3009	2998	2991
30°	2987	2964	2964
35°	2950	2930	2930
40°	2911	2881	2885
45°	2862	2830	2821
50°	2803	2747	2757
55°	2685	2651	2651
60°	2577	2505	2491
65°	2368	2298	2290
70°	2084	2008	2027
75°	1705	1629	1680
80°	1187	1130	1187
85°	564	526	564

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2862 cd/sqm

TEST NUMBER: P997346

CATALOG NUMBER: FSP-22-L3C3-CP125-3000K-MID

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	3.5
10°-20°	253.2	10.0
20°-30°	382.4	15.1
30°-40°	458.6	18.2
40°-50°	471.5	18.7
50°-60°	415.6	16.5
60°-70°	294.3	11.7
70°-80°	139.2	5.5
80°-90°	22.5	0.9
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°	724.4	28.7
0°-40°	1182.9	46.8
0°-60°	2070.0	81.9
0°-90°	2526.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2526.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	937	937	937	937	937	
5°	936	935	933	932	932	89
15°	900	896	897	896	896	254
25°	832	829	829	828	827	384
35°	738	734	732	732	732	462
45°	618	612	611	609	609	476
55°	470	466	464	466	464	422
65°	305	295	296	297	295	302
75°	135	127	129	129	133	144
85°	15	14	14	15	15	23
90°	0	0	0	0	0	

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CATALOG NUMBER: FSP-22-L3C3-CP125-3000K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	937.1	937.1	937.1	937.1	937.1
2.5°	941.0	936.1	938.1	936.1	935.1
5°	936.1	935.1	933.1	932.1	932.1
7.5°	931.1	928.1	928.1	926.1	926.1
10°	925.1	920.1	920.1	920.1	920.1
12.5°	914.1	909.1	911.1	908.1	910.1
15°	900.1	896.1	897.1	896.1	896.1
17.5°	887.2	883.2	883.2	882.2	881.2
20°	870.2	870.2	864.2	867.2	865.2
22.5°	855.2	854.2	849.2	847.2	851.2
25°	832.3	829.3	829.3	828.3	827.3
27.5°	811.3	810.3	807.3	808.3	808.3
30°	789.4	785.4	783.4	781.4	783.4
32.5°	765.4	758.4	758.4	758.4	758.4
35°	737.5	734.5	732.5	731.5	732.5
37.5°	713.5	708.5	703.5	702.5	704.5
40°	680.6	676.6	673.6	674.6	674.6
42.5°	651.6	645.7	641.7	644.7	646.7
45°	617.7	611.7	610.7	608.7	608.7
47.5°	582.8	578.8	575.8	574.8	579.8
50°	549.9	541.9	538.9	538.9	540.9
52.5°	513.9	506.0	503.0	504.0	503.0
55°	470.0	466.0	464.0	466.0	464.0
57.5°	433.1	426.1	424.1	424.1	423.1
60°	393.2	383.2	382.2	381.2	380.2
62.5°	346.3	340.3	339.3	339.3	341.3
65°	305.4	295.4	296.4	297.4	295.4
67.5°	263.5	253.5	253.5	254.5	253.5
70°	217.5	208.6	209.6	211.6	211.6
72.5°	175.6	168.7	169.6	169.6	170.6
75°	134.7	126.7	128.7	128.7	132.7
77.5°	96.8	90.8	91.8	93.8	94.8
80°	62.9	58.9	59.9	60.9	62.9
82.5°	34.9	33.9	33.9	34.9	34.9
85°	15.0	14.0	14.0	15.0	15.0
87.5°	4.0	4.0	3.0	3.0	4.0
90°	0.0	0.0	0.0	0.0	0.0

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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	15.61	17.22	15.98	17.53	17.85	15.55	17.16	15.92	17.48	17.79
	3H	17.14	18.59	17.52	18.91	19.28	17.07	18.52	17.45	18.84	19.20
	4H	17.60	18.96	18.00	19.31	19.69	17.53	18.89	17.93	19.24	19.62
	6H	17.84	19.10	18.25	19.46	19.85	17.77	19.03	18.19	19.40	19.79
	8H	17.87	19.08	18.30	19.46	19.86	17.81	19.01	18.24	19.40	19.80
	12H	17.88	19.03	18.31	19.41	19.84	17.81	18.96	18.24	19.34	19.77
4H	2H	16.16	17.52	16.56	17.87	18.25	16.11	17.48	16.51	17.82	18.20
	3H	17.87	19.00	18.27	19.40	19.80	17.82	18.95	18.23	19.35	19.75
	4H	18.41	19.43	18.84	19.84	20.28	18.37	19.39	18.80	19.80	20.24
	6H	18.72	19.61	19.18	20.05	20.51	18.69	19.58	19.15	20.02	20.48
	8H	18.78	19.60	19.24	20.05	20.51	18.75	19.58	19.21	20.02	20.48
	12H	18.79	19.53	19.27	20.01	20.48	18.76	19.51	19.24	19.98	20.45
8H	4H	18.59	19.42	19.06	19.87	20.33	18.56	19.39	19.02	19.83	20.30
	6H	18.96	19.65	19.45	20.13	20.61	18.94	19.62	19.43	20.11	20.59
	8H	19.04	19.65	19.55	20.16	20.64	19.02	19.63	19.53	20.14	20.63
	12H	19.07	19.61	19.58	20.10	20.67	19.05	19.60	19.56	20.09	20.65
12H	4H	18.60	19.34	19.08	19.81	20.28	18.56	19.30	19.04	19.78	20.25
	6H	18.96	19.57	19.47	20.08	20.57	18.93	19.55	19.45	20.06	20.54
	8H	19.07	19.61	19.58	20.10	20.66	19.05	19.59	19.56	20.08	20.64