

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: P997349

Luminaire Tested: FSP-22-L3C3-CP125-3500K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997349
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-CP125-3500K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

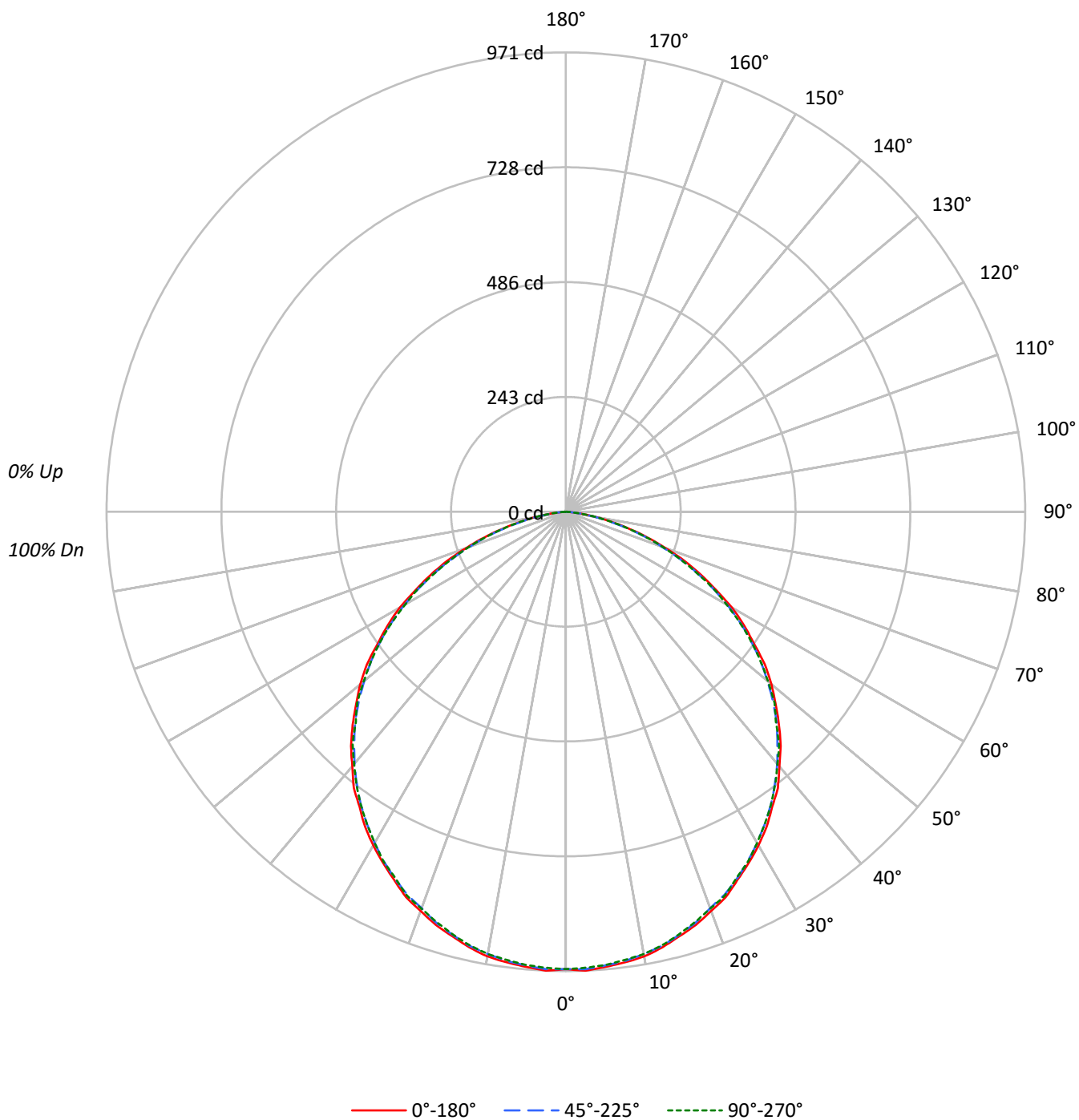
Lumens per Lamp: N/A
Luminaire Lumens: 2606.0 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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: P997349

CATALOG NUMBER: FSP-22-L3C3-CP125-3500K-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°	3167	3167	3167
5°	3176	3166	3163
10°	3175	3158	3158
15°	3150	3140	3136
20°	3130	3109	3112
25°	3104	3093	3086
30°	3081	3058	3058
35°	3043	3023	3023
40°	3003	2972	2977
45°	2953	2920	2910
50°	2892	2834	2844
55°	2770	2735	2735
60°	2658	2584	2571
65°	2442	2371	2362
70°	2150	2071	2091
75°	1760	1681	1733
80°	1225	1166	1225
85°	579	541	579

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2953 cd/sqm

TEST NUMBER: P997349

CATALOG NUMBER: FSP-22-L3C3-CP125-3500K-MID

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	3.5
10°-20°	261.2	10.0
20°-30°	394.6	15.1
30°-40°	473.1	18.2
40°-50°	486.4	18.7
50°-60°	428.8	16.5
60°-70°	303.6	11.6
70°-80°	143.6	5.5
80°-90°	23.2	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°	747.3	28.7
0°-40°	1220.4	46.8
0°-60°	2135.6	81.9
0°-90°	2606.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2606.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	967	967	967	967	967	
5°	966	965	963	962	962	92
15°	929	924	926	924	924	262
25°	859	856	856	854	854	396
35°	761	758	756	755	756	477
45°	637	631	630	628	628	491
55°	485	481	479	481	479	436
65°	315	305	306	307	305	311
75°	139	131	133	133	137	149
85°	15	14	14	15	15	24
90°	0	0	0	0	0	

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CATALOG NUMBER: FSP-22-L3C3-CP125-3500K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	966.7	966.7	966.7	966.7	966.7
2.5°	970.9	965.7	967.8	965.7	964.7
5°	965.7	964.7	962.6	961.6	961.6
7.5°	960.6	957.5	957.5	955.4	955.4
10°	954.4	949.2	949.2	949.2	949.2
12.5°	943.1	937.9	940.0	936.9	938.9
15°	928.6	924.5	925.6	924.5	924.5
17.5°	915.3	911.1	911.1	910.1	909.1
20°	897.8	897.8	891.6	894.7	892.6
22.5°	882.3	881.3	876.1	874.1	878.2
25°	858.6	855.5	855.5	854.5	853.5
27.5°	837.0	836.0	832.9	833.9	833.9
30°	814.4	810.2	808.2	806.1	808.2
32.5°	789.7	782.4	782.4	782.4	782.4
35°	760.8	757.7	755.7	754.6	755.7
37.5°	736.1	731.0	725.8	724.8	726.9
40°	702.1	698.0	694.9	696.0	696.0
42.5°	672.3	666.1	662.0	665.1	667.1
45°	637.3	631.1	630.1	628.0	628.0
47.5°	601.2	597.1	594.0	593.0	598.2
50°	567.3	559.0	555.9	555.9	558.0
52.5°	530.2	522.0	518.9	519.9	518.9
55°	484.9	480.8	478.7	480.8	478.7
57.5°	446.8	439.6	437.6	437.6	436.5
60°	405.6	395.3	394.3	393.3	392.3
62.5°	357.2	351.1	350.0	350.0	352.1
65°	315.0	304.7	305.8	306.8	304.7
67.5°	271.8	261.5	261.5	262.5	261.5
70°	224.4	215.2	216.2	218.3	218.3
72.5°	181.2	174.0	175.0	175.0	176.1
75°	139.0	130.8	132.8	132.8	136.9
77.5°	99.9	93.7	94.7	96.8	97.8
80°	64.9	60.7	61.8	62.8	64.9
82.5°	36.0	35.0	35.0	36.0	36.0
85°	15.4	14.4	14.4	15.4	15.4
87.5°	4.1	4.1	3.1	3.1	4.1
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	15.72	17.33	16.08	17.64	17.96	15.66	17.27	16.03	17.58	17.90
	3H	17.25	18.70	17.62	19.02	19.38	17.18	18.63	17.55	18.95	19.31
	4H	17.71	19.07	18.11	19.42	19.80	17.64	19.00	18.04	19.35	19.73
	6H	17.95	19.21	18.36	19.57	19.96	17.88	19.14	18.29	19.51	19.90
	8H	17.98	19.18	18.41	19.57	19.97	17.92	19.12	18.35	19.51	19.91
	12H	17.98	19.13	18.41	19.52	19.94	17.92	19.07	18.35	19.45	19.88
4H	2H	16.27	17.63	16.67	17.98	18.35	16.22	17.58	16.62	17.93	18.31
	3H	17.97	19.11	18.38	19.50	19.90	17.93	19.06	18.33	19.46	19.86
	4H	18.52	19.54	18.95	19.95	20.39	18.48	19.50	18.91	19.91	20.35
	6H	18.83	19.72	19.29	20.16	20.62	18.80	19.69	19.26	20.13	20.59
	8H	18.88	19.71	19.35	20.16	20.62	18.86	19.68	19.32	20.13	20.59
	12H	18.90	19.64	19.38	20.12	20.59	18.87	19.61	19.35	20.09	20.56
8H	4H	18.70	19.53	19.16	19.98	20.44	18.67	19.50	19.13	19.94	20.40
	6H	19.07	19.75	19.56	20.24	20.72	19.05	19.73	19.54	20.22	20.70
	8H	19.15	19.76	19.66	20.27	20.75	19.13	19.74	19.64	20.25	20.73
	12H	19.18	19.72	19.69	20.21	20.77	19.16	19.70	19.67	20.20	20.76
12H	4H	18.70	19.45	19.18	19.92	20.39	18.67	19.41	19.15	19.89	20.35
	6H	19.07	19.68	19.58	20.19	20.68	19.04	19.66	19.55	20.17	20.65
	8H	19.18	19.72	19.68	20.21	20.77	19.16	19.70	19.66	20.19	20.75