

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: P997370

Luminaire Tested: FSP-22-L3C3-CP250-4000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997370
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-12)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CP250-4000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

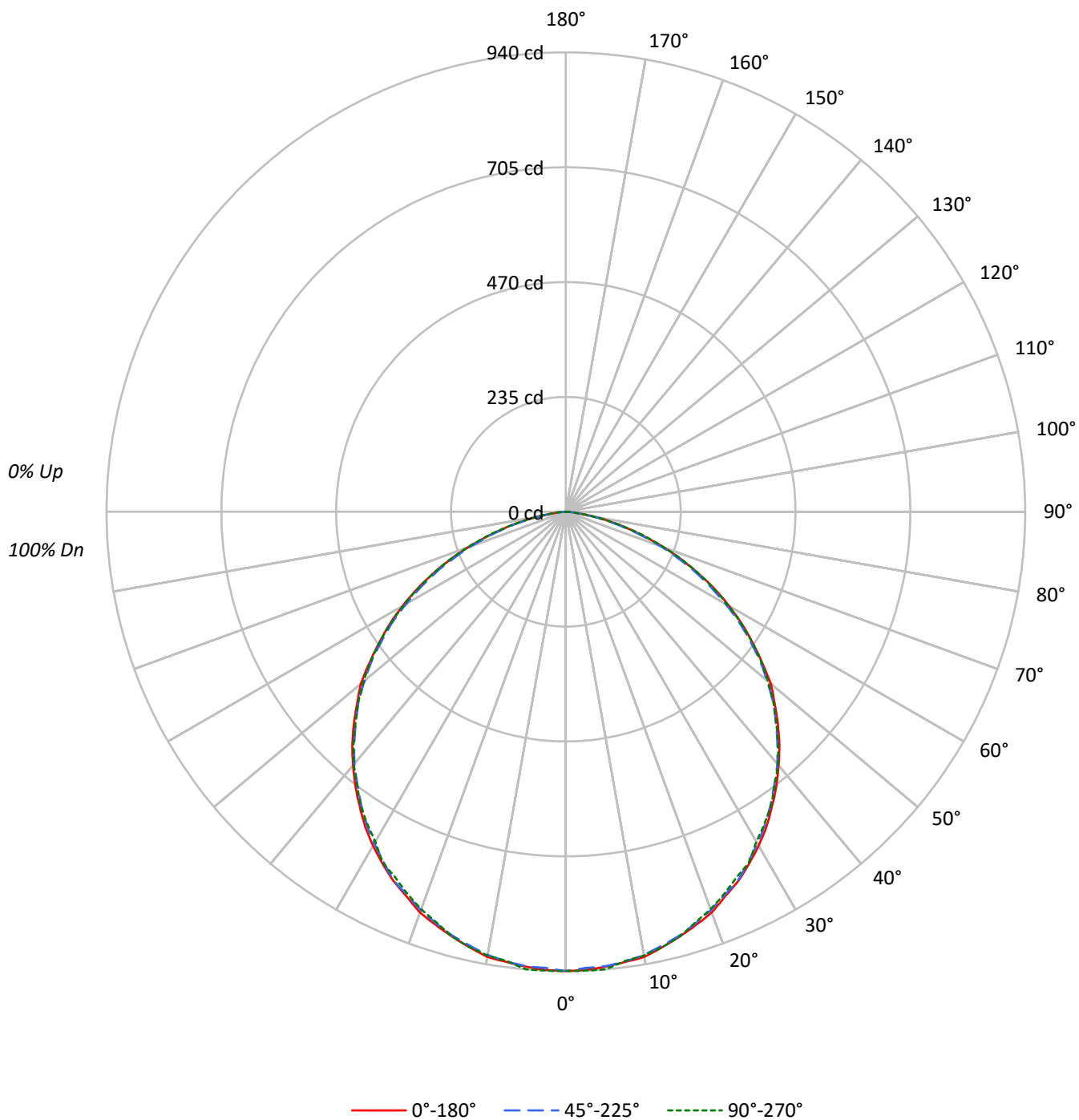
Lumens per Lamp: N/A
Luminaire Lumens: 2518.0 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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: P997370

CATALOG NUMBER: FSP-22-L3C3-CP250-4000K-MID

Luminous Intensity Polar Plot



TEST NUMBER: P997370

CATALOG NUMBER: FSP-22-L3C3-CP250-4000K-MID

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	87	81	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	84	72	63	57	81	71	62	56	68	61	56		66	60	55		64
5	77	64	55	49	75	63	55	49	61	54	48		59	53	48		57
6	71	58	49	43	69	57	49	43	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	28	52	40	33	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3079	3079	3079
5°	3073	3070	3091
10°	3078	3064	3067
15°	3053	3046	3053
20°	3043	3025	3017
25°	3015	3012	2985
30°	2985	2966	2950
35°	2943	2922	2931
40°	2897	2879	2888
45°	2843	2814	2819
50°	2792	2738	2755
55°	2663	2627	2657
60°	2528	2472	2514
65°	2326	2269	2334
70°	2042	1973	2053
75°	1655	1561	1680
80°	1125	1064	1164
85°	511	470	511

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2843 cd/sqm

TEST NUMBER: P997370

CATALOG NUMBER: FSP-22-L3C3-CP250-4000K-MID

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	3.5
10°-20°	253.6	10.1
20°-30°	382.6	15.2
30°-40°	458.3	18.2
40°-50°	470.4	18.7
50°-60°	413.6	16.4
60°-70°	292.4	11.6
70°-80°	136.8	5.4
80°-90°	21.4	0.8
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°	725.0	28.8
0°-40°	1183.4	47.0
0°-60°	2067.3	82.1
0°-90°	2518.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2518.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	940	940	940	940	940	
5°	934	936	933	934	940	89
15°	900	900	898	897	900	254
25°	834	832	833	828	826	384
35°	736	736	731	731	733	460
45°	614	612	607	608	608	473
55°	466	463	460	464	465	417
65°	300	296	293	297	301	297
75°	131	125	123	130	133	140
85°	14	14	12	15	14	22
90°	0	0	0	0	0	

TEST NUMBER: P997370

CATALOG NUMBER: FSP-22-L3C3-CP250-4000K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	939.7	939.7	939.7	939.7	939.7
2.5°	938.6	937.6	934.4	937.6	939.7
5°	934.4	935.5	933.4	934.4	939.7
7.5°	929.2	930.3	928.2	928.2	927.1
10°	925.0	925.0	920.8	920.8	921.9
12.5°	912.5	914.6	909.3	911.4	912.5
15°	899.9	899.9	897.9	896.8	899.9
17.5°	886.4	886.4	883.2	883.2	881.1
20°	872.8	870.7	867.5	864.4	865.4
22.5°	851.9	852.9	848.7	848.7	846.6
25°	834.1	832.0	833.0	827.8	825.7
27.5°	812.1	811.1	808.0	808.0	810.1
30°	789.1	786.0	783.9	781.8	779.7
32.5°	764.1	762.0	758.8	757.8	756.7
35°	735.8	735.8	730.6	730.6	732.7
37.5°	707.6	709.7	701.3	702.4	702.4
40°	677.3	678.4	673.1	674.2	675.2
42.5°	647.0	644.9	640.7	643.9	642.8
45°	613.5	611.5	607.3	608.3	608.3
47.5°	579.1	577.0	574.9	574.9	575.9
50°	547.7	541.4	537.2	538.3	540.4
52.5°	505.9	504.8	500.7	501.7	503.8
55°	466.2	463.0	459.9	464.1	465.1
57.5°	427.5	424.4	420.2	422.3	425.4
60°	385.7	380.5	377.3	380.5	383.6
62.5°	344.9	337.6	334.5	338.7	341.8
65°	300.0	295.8	292.7	296.8	301.0
67.5°	257.1	249.8	248.8	255.0	258.2
70°	213.2	205.9	205.9	211.1	214.3
72.5°	170.4	163.1	164.1	170.4	173.5
75°	130.7	125.4	123.3	129.6	132.7
77.5°	93.0	87.8	87.8	94.1	94.1
80°	59.6	56.4	56.4	60.6	61.7
82.5°	33.4	32.4	31.4	33.4	34.5
85°	13.6	13.6	12.5	14.6	13.6
87.5°	3.1	3.1	3.1	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997370

CATALOG NUMBER: FSP-22-L3C3-CP250-4000K-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	15.58	17.19	15.95	17.50	17.82	15.55	17.16	15.92	17.47	17.79
	3H	17.08	18.53	17.46	18.85	19.21	17.09	18.54	17.47	18.87	19.23
	4H	17.53	18.89	17.93	19.23	19.61	17.56	18.92	17.96	19.27	19.65
	6H	17.75	19.01	18.16	19.37	19.76	17.80	19.06	18.21	19.42	19.81
	8H	17.78	18.98	18.20	19.37	19.77	17.83	19.03	18.26	19.42	19.82
	12H	17.78	18.92	18.21	19.31	19.74	17.83	18.98	18.26	19.36	19.79
4H	2H	16.12	17.48	16.52	17.83	18.21	16.10	17.46	16.50	17.80	18.18
	3H	17.79	18.93	18.20	19.32	19.72	17.82	18.95	18.23	19.35	19.75
	4H	18.33	19.35	18.76	19.76	20.20	18.38	19.40	18.81	19.81	20.25
	6H	18.62	19.51	19.08	19.95	20.41	18.70	19.59	19.16	20.03	20.49
	8H	18.67	19.50	19.13	19.94	20.41	18.75	19.58	19.21	20.02	20.49
	12H	18.68	19.42	19.16	19.90	20.37	18.77	19.51	19.25	19.98	20.45
8H	4H	18.50	19.33	18.97	19.78	20.24	18.55	19.38	19.02	19.82	20.29
	6H	18.85	19.53	19.34	20.02	20.50	18.93	19.61	19.42	20.10	20.58
	8H	18.92	19.53	19.43	20.04	20.52	19.00	19.61	19.51	20.12	20.61
	12H	18.95	19.49	19.46	19.98	20.54	19.04	19.57	19.54	20.07	20.63
12H	4H	18.51	19.25	18.99	19.72	20.19	18.55	19.29	19.03	19.77	20.24
	6H	18.84	19.46	19.36	19.97	20.45	18.92	19.53	19.43	20.04	20.53
	8H	18.95	19.48	19.45	19.98	20.54	19.03	19.57	19.54	20.06	20.62