

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: P997364

Luminaire Tested: FSP-22-L3C3-CP250-3000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997364
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-CP250-3000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

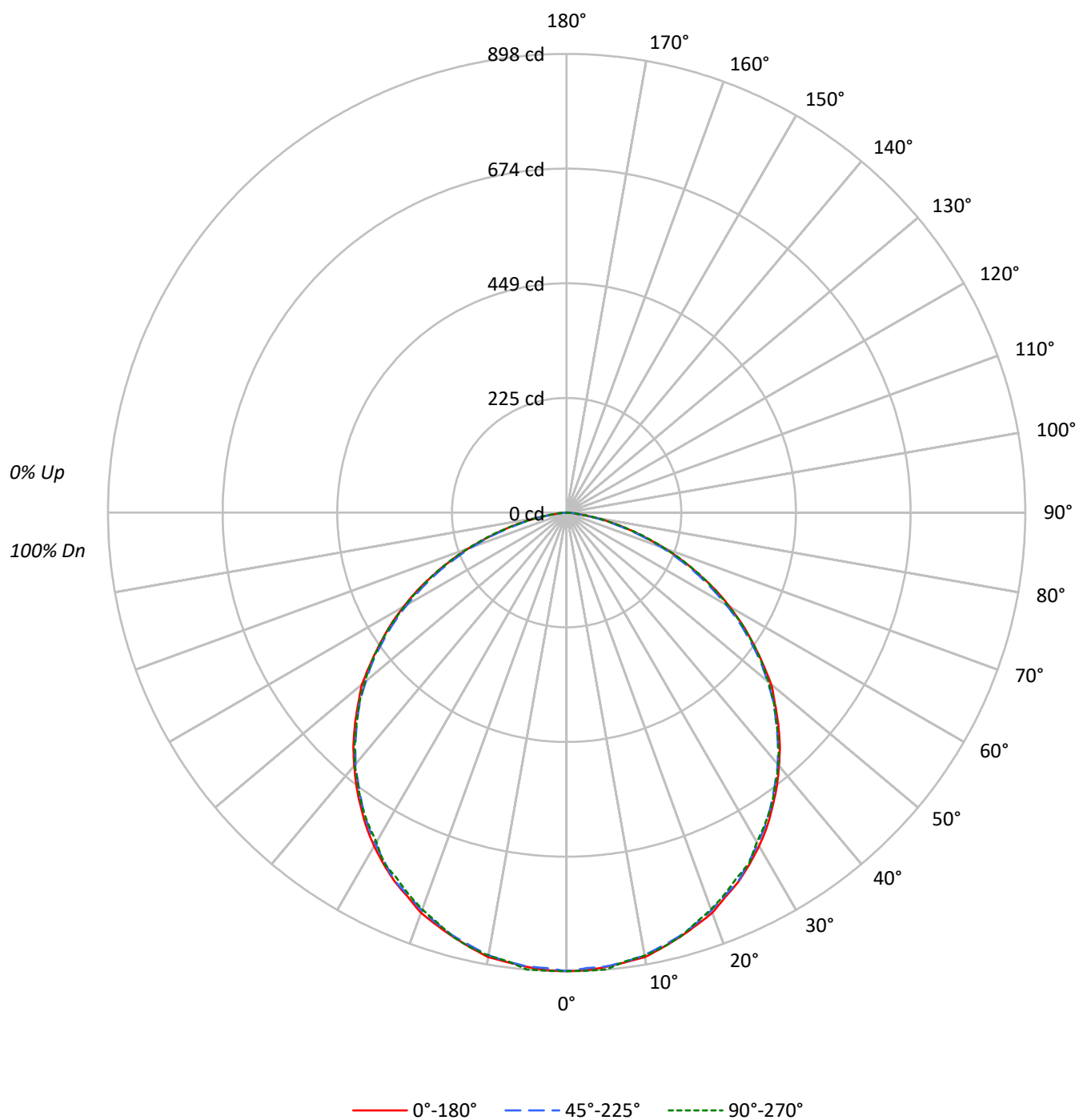
Lumens per Lamp: N/A
Luminaire Lumens: 2405.0 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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

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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	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°	2941	2941	2941
5°	2935	2932	2952
10°	2939	2926	2929
15°	2916	2909	2916
20°	2907	2889	2882
25°	2880	2877	2851
30°	2852	2833	2818
35°	2811	2791	2799
40°	2767	2750	2758
45°	2715	2688	2692
50°	2666	2615	2631
55°	2544	2509	2538
60°	2414	2362	2401
65°	2221	2167	2229
70°	1951	1884	1961
75°	1580	1491	1605
80°	1074	1017	1111
85°	489	451	489

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2715 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	3.5
10°-20°	242.2	10.1
20°-30°	365.4	15.2
30°-40°	437.8	18.2
40°-50°	449.3	18.7
50°-60°	395.0	16.4
60°-70°	279.3	11.6
70°-80°	130.7	5.4
80°-90°	20.4	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°	692.5	28.8
0°-40°	1130.3	47.0
0°-60°	1974.6	82.1
0°-90°	2405.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2405.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	898	898	898	898	898	
5°	892	894	892	892	898	85
15°	860	860	858	857	860	243
25°	797	795	796	791	789	367
35°	703	703	698	698	700	440
45°	586	584	580	581	581	452
55°	445	442	439	443	444	398
65°	286	282	280	284	288	284
75°	125	120	118	124	127	133
85°	13	13	12	14	13	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	897.5	897.5	897.5	897.5	897.5
2.5°	896.5	895.5	892.5	895.5	897.5
5°	892.5	893.5	891.5	892.5	897.5
7.5°	887.5	888.5	886.5	886.5	885.5
10°	883.5	883.5	879.5	879.5	880.5
12.5°	871.5	873.5	868.5	870.5	871.5
15°	859.6	859.6	857.6	856.6	859.6
17.5°	846.6	846.6	843.6	843.6	841.6
20°	833.6	831.6	828.6	825.6	826.6
22.5°	813.6	814.6	810.6	810.6	808.6
25°	796.7	794.7	795.7	790.7	788.7
27.5°	775.7	774.7	771.7	771.7	773.7
30°	753.7	750.7	748.7	746.7	744.7
32.5°	729.8	727.8	724.8	723.8	722.8
35°	702.8	702.8	697.8	697.8	699.8
37.5°	675.9	677.9	669.9	670.9	670.9
40°	646.9	647.9	642.9	643.9	644.9
42.5°	618.0	616.0	612.0	615.0	614.0
45°	586.0	584.0	580.0	581.0	581.0
47.5°	553.1	551.1	549.1	549.1	550.1
50°	523.1	517.1	513.1	514.1	516.1
52.5°	483.2	482.2	478.2	479.2	481.2
55°	445.3	442.3	439.3	443.3	444.3
57.5°	408.3	405.3	401.3	403.3	406.3
60°	368.4	363.4	360.4	363.4	366.4
62.5°	329.4	322.5	319.5	323.5	326.5
65°	286.5	282.5	279.5	283.5	287.5
67.5°	245.6	238.6	237.6	243.6	246.6
70°	203.7	196.7	196.7	201.7	204.7
72.5°	162.7	155.7	156.7	162.7	165.7
75°	124.8	119.8	117.8	123.8	126.8
77.5°	88.9	83.9	83.9	89.8	89.8
80°	56.9	53.9	53.9	57.9	58.9
82.5°	31.9	30.9	29.9	31.9	32.9
85°	13.0	13.0	12.0	14.0	13.0
87.5°	3.0	3.0	3.0	3.0	3.0
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	15.42	17.03	15.79	17.34	17.66	15.39	17.00	15.76	17.31	17.63
	3H	16.92	18.37	17.30	18.69	19.05	16.94	18.38	17.31	18.71	19.07
	4H	17.37	18.73	17.77	19.07	19.45	17.40	18.76	17.80	19.11	19.49
	6H	17.59	18.85	18.00	19.21	19.60	17.64	18.90	18.05	19.26	19.65
	8H	17.62	18.82	18.04	19.21	19.61	17.67	18.87	18.10	19.26	19.66
	12H	17.62	18.76	18.05	19.15	19.58	17.67	18.82	18.10	19.20	19.63
4H	2H	15.96	17.32	16.36	17.67	18.05	15.94	17.30	16.34	17.64	18.02
	3H	17.64	18.77	18.04	19.16	19.56	17.66	18.79	18.07	19.19	19.59
	4H	18.17	19.19	18.60	19.60	20.04	18.22	19.24	18.65	19.66	20.09
	6H	18.46	19.35	18.92	19.79	20.25	18.54	19.43	19.00	19.87	20.33
	8H	18.51	19.34	18.97	19.78	20.25	18.59	19.42	19.05	19.86	20.33
	12H	18.52	19.26	19.00	19.74	20.21	18.61	19.35	19.09	19.82	20.29
8H	4H	18.35	19.17	18.81	19.62	20.08	18.39	19.22	18.86	19.66	20.13
	6H	18.69	19.37	19.18	19.86	20.34	18.77	19.45	19.26	19.94	20.42
	8H	18.76	19.37	19.27	19.88	20.36	18.84	19.45	19.35	19.96	20.45
	12H	18.79	19.33	19.30	19.82	20.38	18.88	19.41	19.38	19.91	20.47
12H	4H	18.35	19.09	18.83	19.56	20.03	18.39	19.13	18.87	19.61	20.08
	6H	18.69	19.30	19.20	19.81	20.29	18.76	19.37	19.27	19.88	20.37
	8H	18.79	19.33	19.29	19.82	20.38	18.87	19.41	19.38	19.90	20.46