

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: P997331

Luminaire Tested: FSP-22-L3C3-CA08-3500K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997331
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-8)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CA08-3500K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

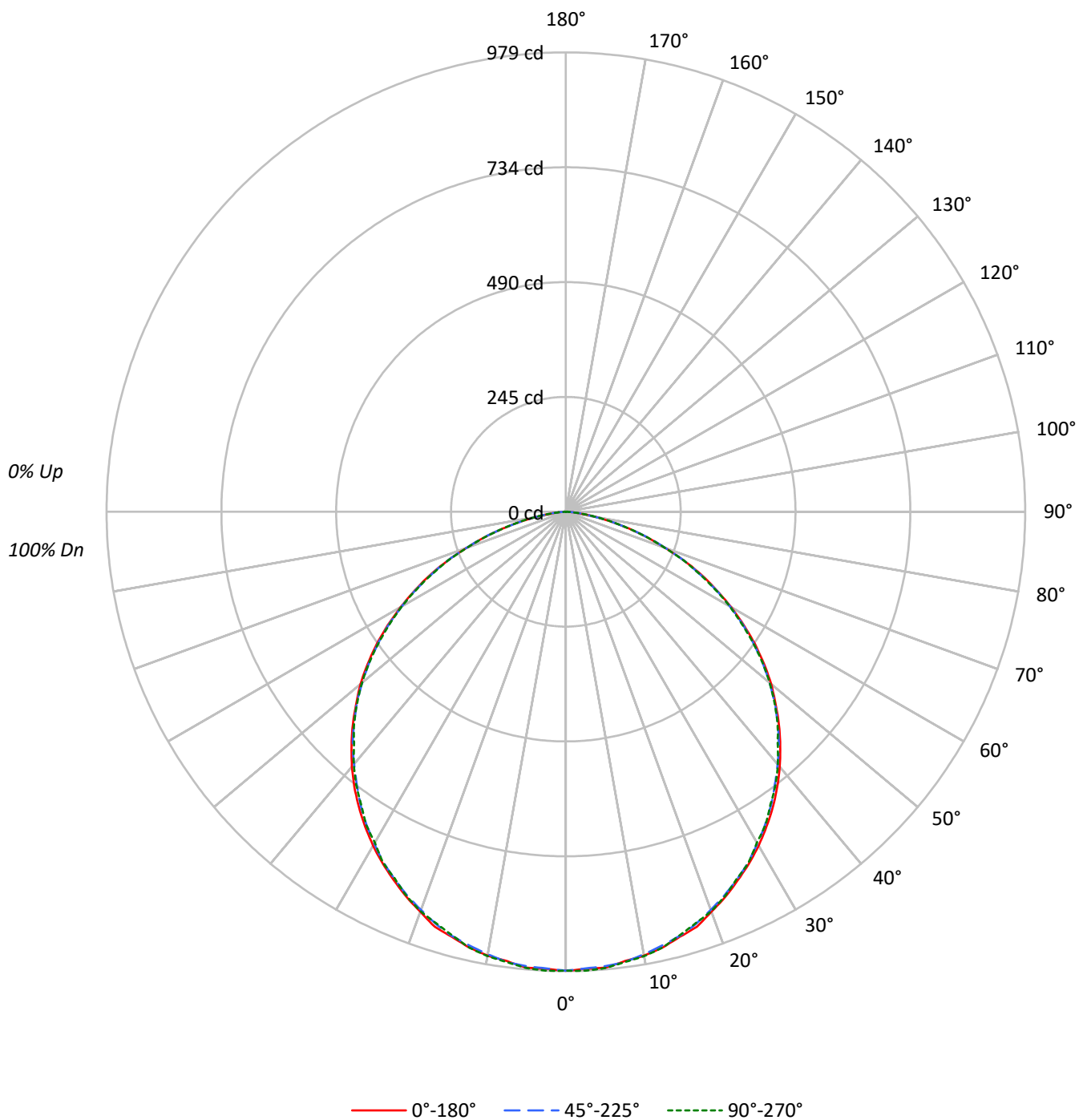
Lumens per Lamp: N/A
Luminaire Lumens: 2653.0 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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

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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	95	98	95	92		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	63		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	41		52
7	66	52	44	37	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°	3205	3205	3205
5°	3207	3197	3210
10°	3196	3186	3199
15°	3181	3175	3171
20°	3163	3148	3159
25°	3134	3123	3119
30°	3108	3089	3081
35°	3076	3052	3043
40°	3034	3003	3008
45°	2977	2958	2958
50°	2913	2887	2892
55°	2811	2788	2782
60°	2665	2651	2645
65°	2482	2451	2442
70°	2160	2160	2150
75°	1772	1760	1760
80°	1262	1225	1283
85°	658	658	658

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2977 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	3.5
10°-20°	264.2	10.0
20°-30°	398.7	15.0
30°-40°	478.7	18.0
40°-50°	493.4	18.6
50°-60°	437.0	16.5
60°-70°	313.1	11.8
70°-80°	149.5	5.6
80°-90°	26.0	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°	755.2	28.5
0°-40°	1233.9	46.5
0°-60°	2164.4	81.6
0°-90°	2653.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2653.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	978	978	978	978	978	
5°	975	972	972	973	976	92
15°	938	939	936	934	935	265
25°	867	866	864	864	863	400
35°	769	769	763	765	761	481
45°	642	642	638	637	638	495
55°	492	494	488	488	487	439
65°	320	318	316	315	315	315
75°	140	137	139	141	139	149
85°	18	18	18	18	18	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	978.1	978.1	978.1	978.1	978.1
2.5°	975.0	975.0	974.0	976.0	979.1
5°	975.0	971.9	971.9	972.9	976.0
7.5°	965.7	966.7	967.8	965.7	967.8
10°	960.6	958.5	957.5	959.5	961.6
12.5°	951.3	949.2	947.2	949.2	951.3
15°	937.9	939.0	935.9	933.8	934.8
17.5°	927.6	921.4	921.4	920.4	919.4
20°	907.0	905.0	902.9	903.9	906.0
22.5°	888.5	887.5	884.4	885.4	886.4
25°	866.9	865.9	863.8	863.8	862.8
27.5°	845.3	844.2	842.2	841.1	843.2
30°	821.6	822.6	816.4	816.4	814.4
32.5°	795.8	795.8	790.7	788.6	791.7
35°	769.1	769.1	762.9	765.0	760.8
37.5°	740.2	742.3	732.0	735.1	734.1
40°	709.4	707.3	702.2	708.3	703.2
42.5°	676.4	679.5	672.3	672.3	668.2
45°	642.4	642.4	638.3	637.3	638.3
47.5°	606.4	607.4	604.3	605.4	603.3
50°	571.4	570.4	566.3	565.2	567.3
52.5°	532.3	533.3	528.2	529.2	528.2
55°	492.1	494.2	488.0	488.0	487.0
57.5°	449.9	449.9	446.8	446.8	444.8
60°	406.7	409.8	404.6	404.6	403.6
62.5°	362.4	362.4	360.3	361.4	359.3
65°	320.2	318.1	316.1	315.0	315.0
67.5°	273.9	271.8	273.9	270.8	271.8
70°	225.5	226.5	225.5	225.5	224.4
72.5°	182.2	182.2	183.3	182.2	182.2
75°	140.0	136.9	139.0	141.0	139.0
77.5°	98.8	98.8	100.9	100.9	101.9
80°	66.9	64.9	64.9	66.9	68.0
82.5°	37.1	38.1	38.1	38.1	38.1
85°	17.5	18.5	17.5	17.5	17.5
87.5°	8.2	8.2	7.2	6.2	5.1
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	15.80	17.41	16.16	17.72	18.04	15.74	17.35	16.10	17.67	17.98
	3H	17.34	18.79	17.71	19.12	19.48	17.29	18.74	17.66	19.07	19.43
	4H	17.80	19.16	18.19	19.51	19.89	17.76	19.12	18.16	19.47	19.85
	6H	18.03	19.29	18.44	19.66	20.05	18.01	19.27	18.42	19.64	20.03
	8H	18.07	19.27	18.49	19.66	20.06	18.05	19.26	18.48	19.65	20.05
	12H	18.07	19.23	18.50	19.61	20.04	18.06	19.21	18.49	19.59	20.02
4H	2H	16.36	17.73	16.76	18.08	18.45	16.32	17.68	16.72	18.03	18.41
	3H	18.09	19.23	18.50	19.63	20.03	18.05	19.19	18.46	19.59	19.99
	4H	18.64	19.66	19.07	20.08	20.51	18.62	19.65	19.05	20.06	20.50
	6H	18.95	19.85	19.41	20.29	20.74	18.96	19.85	19.41	20.29	20.75
	8H	19.01	19.84	19.47	20.29	20.75	19.01	19.85	19.48	20.29	20.76
	12H	19.03	19.78	19.51	20.25	20.72	19.04	19.78	19.52	20.26	20.73
8H	4H	18.84	19.67	19.30	20.11	20.58	18.82	19.65	19.28	20.10	20.56
	6H	19.21	19.90	19.70	20.39	20.86	19.21	19.90	19.71	20.39	20.87
	8H	19.29	19.91	19.80	20.42	20.90	19.30	19.92	19.81	20.43	20.91
	12H	19.34	19.88	19.85	20.37	20.94	19.35	19.89	19.85	20.38	20.94
12H	4H	18.84	19.59	19.32	20.06	20.53	18.82	19.57	19.30	20.04	20.51
	6H	19.21	19.83	19.72	20.34	20.82	19.21	19.83	19.73	20.34	20.83
	8H	19.33	19.87	19.84	20.36	20.93	19.34	19.88	19.84	20.37	20.93