

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: P997328

Luminaire Tested: FSP-22-L3C3-CA08-3000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997328
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-CA08-3000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

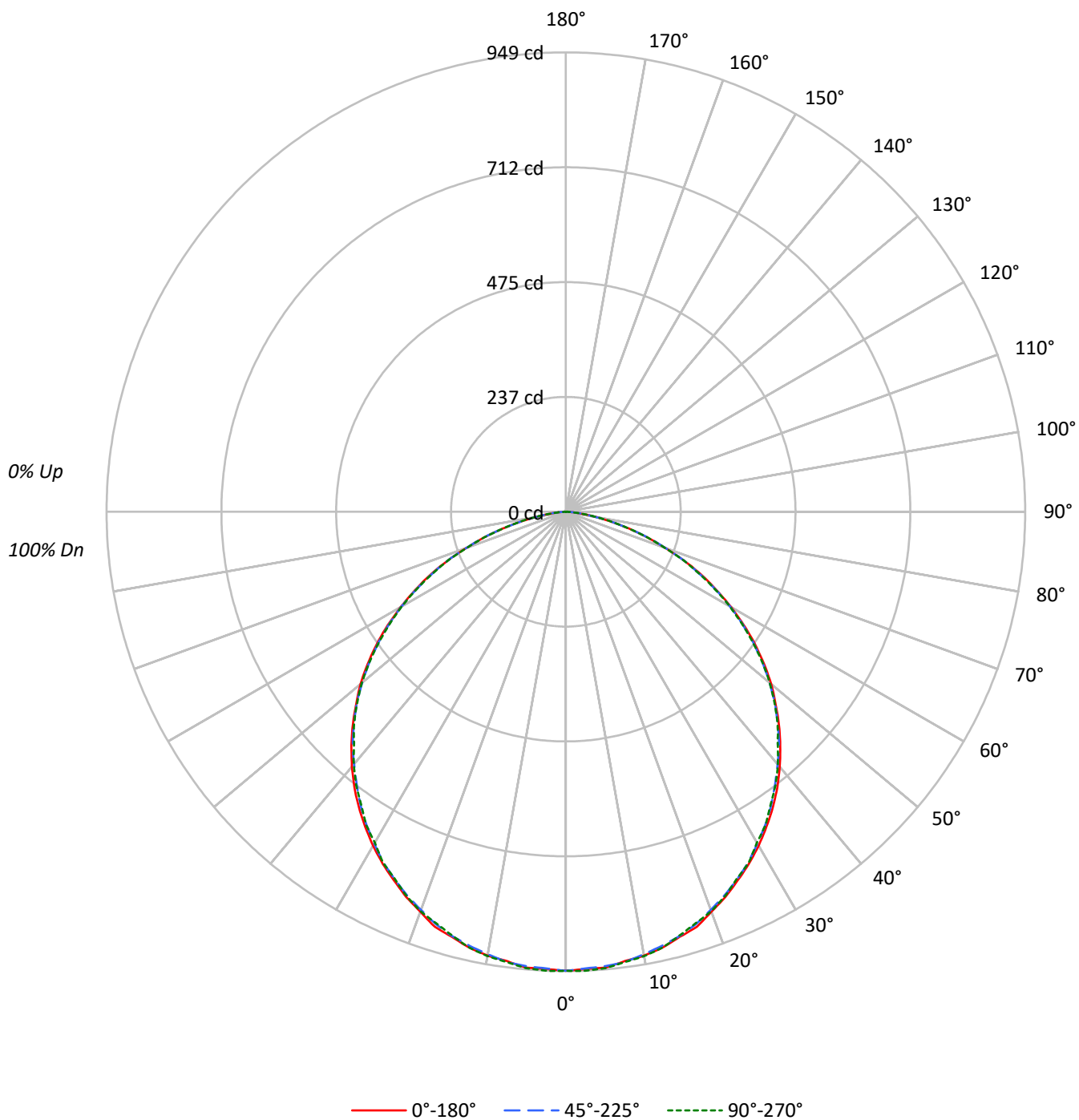
Lumens per Lamp: N/A
Luminaire Lumens: 2572.0 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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°	3107	3107	3107
5°	3109	3099	3112
10°	3098	3088	3102
15°	3084	3078	3074
20°	3066	3052	3062
25°	3038	3027	3024
30°	3013	2995	2987
35°	2982	2958	2950
40°	2941	2911	2916
45°	2886	2867	2867
50°	2824	2798	2804
55°	2725	2703	2697
60°	2584	2571	2564
65°	2407	2375	2368
70°	2094	2094	2085
75°	1718	1705	1705
80°	1225	1187	1243
85°	639	639	639

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2886 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	3.5
10°-20°	256.1	10.0
20°-30°	386.5	15.0
30°-40°	464.0	18.0
40°-50°	478.4	18.6
50°-60°	423.7	16.5
60°-70°	303.5	11.8
70°-80°	144.9	5.6
80°-90°	25.3	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°	732.2	28.5
0°-40°	1196.2	46.5
0°-60°	2098.3	81.6
0°-90°	2572.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2572.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	948	948	948	948	948	
5°	945	942	942	943	946	90
15°	909	910	907	905	906	257
25°	840	839	837	837	836	388
35°	746	746	740	742	738	466
45°	623	623	619	618	619	480
55°	477	479	473	473	472	426
65°	310	308	306	305	305	305
75°	136	133	135	137	135	145
85°	17	18	17	17	17	25
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	948.2	948.2	948.2	948.2	948.2
2.5°	945.2	945.2	944.2	946.2	949.2
5°	945.2	942.2	942.2	943.2	946.2
7.5°	936.2	937.2	938.2	936.2	938.2
10°	931.2	929.2	928.2	930.2	932.2
12.5°	922.3	920.3	918.3	920.3	922.3
15°	909.3	910.3	907.3	905.3	906.3
17.5°	899.3	893.3	893.3	892.3	891.3
20°	879.3	877.3	875.3	876.3	878.3
22.5°	861.4	860.4	857.4	858.4	859.4
25°	840.4	839.4	837.4	837.4	836.4
27.5°	819.5	818.5	816.5	815.5	817.5
30°	796.5	797.5	791.5	791.5	789.5
32.5°	771.5	771.5	766.6	764.6	767.6
35°	745.6	745.6	739.6	741.6	737.6
37.5°	717.6	719.6	709.7	712.7	711.7
40°	687.7	685.7	680.7	686.7	681.7
42.5°	655.8	658.8	651.8	651.8	647.8
45°	622.8	622.8	618.8	617.8	618.8
47.5°	587.9	588.9	585.9	586.9	584.9
50°	554.0	553.0	549.0	548.0	550.0
52.5°	516.0	517.0	512.0	513.0	512.0
55°	477.1	479.1	473.1	473.1	472.1
57.5°	436.2	436.2	433.2	433.2	431.2
60°	394.3	397.3	392.3	392.3	391.3
62.5°	351.3	351.3	349.3	350.3	348.3
65°	310.4	308.4	306.4	305.4	305.4
67.5°	265.5	263.5	265.5	262.5	263.5
70°	218.6	219.6	218.6	218.6	217.6
72.5°	176.7	176.7	177.7	176.7	176.7
75°	135.7	132.7	134.7	136.7	134.7
77.5°	95.8	95.8	97.8	97.8	98.8
80°	64.9	62.9	62.9	64.9	65.9
82.5°	35.9	36.9	36.9	36.9	36.9
85°	17.0	18.0	17.0	17.0	17.0
87.5°	8.0	8.0	7.0	6.0	5.0
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	15.69	17.30	16.05	17.62	17.93	15.63	17.25	16.00	17.56	17.87
	3H	17.23	18.68	17.60	19.01	19.37	17.18	18.63	17.56	18.96	19.32
	4H	17.69	19.05	18.09	19.40	19.78	17.65	19.02	18.05	19.36	19.74
	6H	17.92	19.19	18.33	19.55	19.94	17.90	19.17	18.31	19.53	19.92
	8H	17.96	19.17	18.38	19.55	19.95	17.94	19.15	18.37	19.54	19.94
	12H	17.96	19.12	18.39	19.50	19.93	17.95	19.10	18.38	19.49	19.91
4H	2H	16.25	17.62	16.65	17.97	18.34	16.21	17.58	16.61	17.92	18.30
	3H	17.98	19.12	18.39	19.52	19.92	17.94	19.08	18.35	19.48	19.88
	4H	18.53	19.56	18.96	19.97	20.41	18.51	19.54	18.94	19.95	20.39
	6H	18.85	19.74	19.30	20.18	20.64	18.85	19.74	19.30	20.18	20.64
	8H	18.90	19.73	19.36	20.18	20.64	18.91	19.74	19.37	20.18	20.65
	12H	18.92	19.67	19.40	20.15	20.61	18.93	19.67	19.41	20.15	20.62
8H	4H	18.73	19.56	19.19	20.00	20.47	18.71	19.55	19.17	19.99	20.45
	6H	19.10	19.79	19.59	20.28	20.75	19.11	19.80	19.60	20.28	20.76
	8H	19.18	19.80	19.69	20.31	20.79	19.19	19.81	19.70	20.32	20.80
	12H	19.23	19.77	19.74	20.27	20.83	19.24	19.78	19.75	20.27	20.84
12H	4H	18.73	19.48	19.21	19.95	20.42	18.71	19.46	19.19	19.94	20.41
	6H	19.10	19.72	19.61	20.23	20.71	19.11	19.73	19.62	20.23	20.72
	8H	19.22	19.76	19.73	20.26	20.82	19.23	19.77	19.74	20.26	20.83