

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: P997337

Luminaire Tested: FSP-22-L3C3-CA125-3000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997337
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CA125-3000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

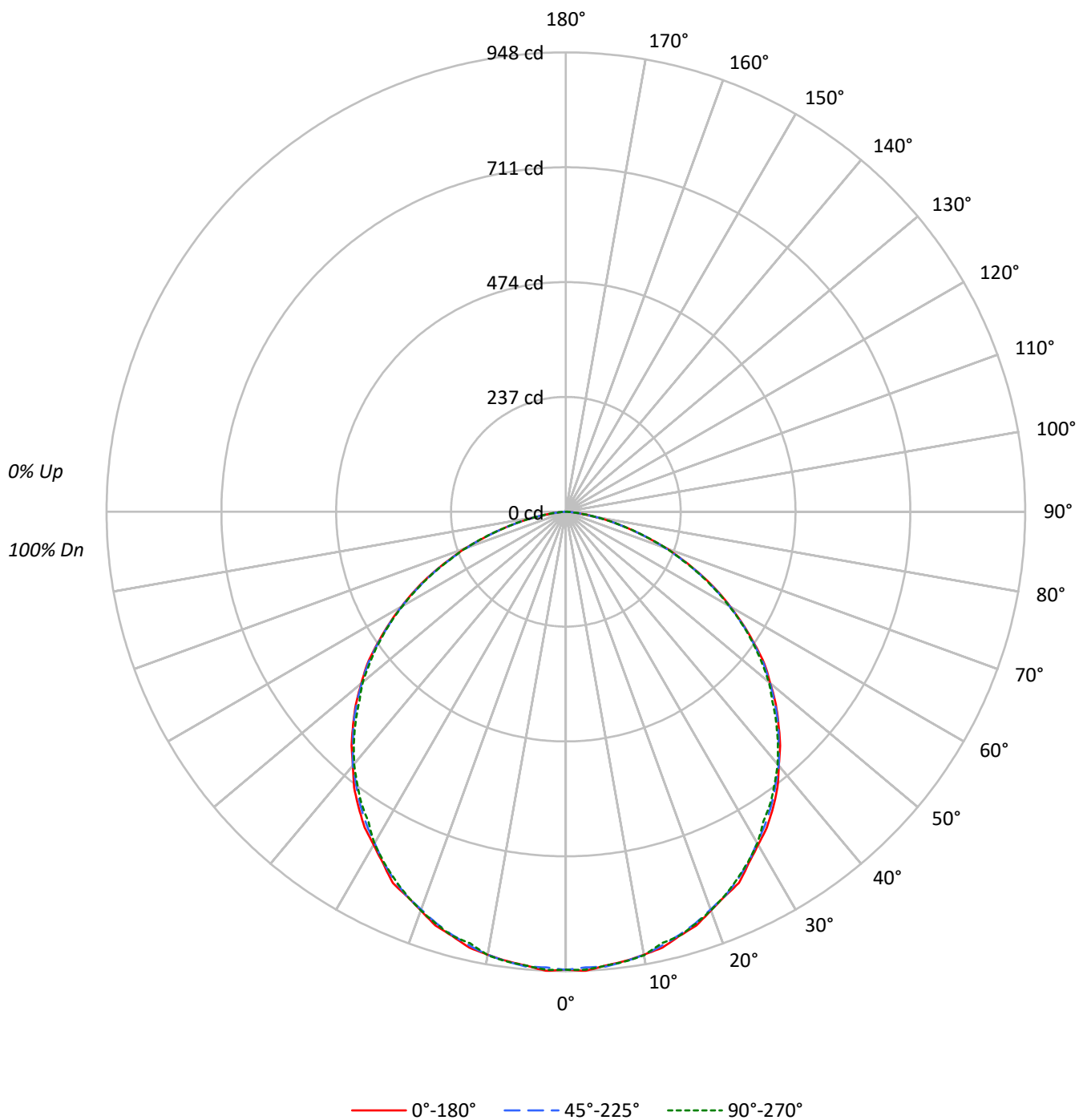
Lumens per Lamp: N/A
Luminaire Lumens: 2562.0 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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	96	98	95	93		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	64		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	42		52
7	66	52	44	38	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°	3097	3097	3097
5°	3092	3099	3092
10°	3088	3088	3092
15°	3074	3067	3074
20°	3052	3045	3052
25°	3056	3031	3023
30°	3002	2987	2990
35°	2982	2958	2942
40°	2924	2924	2907
45°	2877	2872	2844
50°	2808	2803	2788
55°	2714	2703	2691
60°	2570	2564	2550
65°	2383	2368	2360
70°	2123	2085	2113
75°	1705	1693	1705
80°	1225	1187	1187
85°	602	602	602

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2877 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	3.5
10°-20°	255.4	10.0
20°-30°	385.7	15.1
30°-40°	462.5	18.1
40°-50°	476.4	18.6
50°-60°	421.9	16.5
60°-70°	301.7	11.8
70°-80°	144.5	5.6
80°-90°	24.4	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°	730.5	28.5
0°-40°	1193.1	46.6
0°-60°	2091.4	81.6
0°-90°	2562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2562.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	945	945	945	945	945	
5°	940	939	942	940	940	89
15°	906	906	904	904	906	256
25°	845	839	838	835	836	387
35°	746	742	740	738	736	466
45°	621	620	620	617	614	479
55°	475	473	473	470	471	424
65°	307	305	305	305	304	304
75°	135	135	134	134	135	145
85°	16	16	16	16	16	25
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	945.1	945.1	945.1	945.1	945.1
2.5°	948.1	945.1	941.1	944.1	946.1
5°	940.1	939.1	942.1	940.1	940.1
7.5°	935.2	937.2	936.2	936.2	936.2
10°	928.2	928.2	928.2	927.2	929.2
12.5°	921.2	916.2	917.2	917.2	912.2
15°	906.2	906.2	904.2	904.2	906.2
17.5°	895.2	893.2	890.2	890.2	891.2
20°	875.3	875.3	873.3	871.3	875.3
22.5°	858.3	862.3	858.3	854.3	857.3
25°	845.3	839.3	838.3	835.4	836.3
27.5°	817.4	814.4	815.4	813.4	814.4
30°	793.4	791.4	789.4	787.4	790.4
32.5°	772.5	770.5	765.5	764.5	758.5
35°	745.5	741.5	739.5	737.5	735.5
37.5°	717.6	713.6	710.6	709.6	707.6
40°	683.7	681.7	683.7	678.7	679.7
42.5°	654.7	652.7	649.7	647.7	647.7
45°	620.8	619.8	619.8	616.8	613.8
47.5°	587.8	586.8	584.8	580.9	577.9
50°	550.9	551.9	549.9	545.9	546.9
52.5°	517.0	511.0	514.0	510.0	509.0
55°	475.1	473.1	473.1	470.1	471.1
57.5°	434.1	434.1	432.1	432.1	431.1
60°	392.2	391.2	391.2	390.2	389.2
62.5°	351.3	350.3	348.3	348.3	347.3
65°	307.4	305.4	305.4	305.4	304.4
67.5°	263.5	261.5	260.5	260.5	259.5
70°	221.6	218.6	217.6	217.6	220.6
72.5°	174.7	175.7	174.7	175.7	176.7
75°	134.7	134.7	133.7	133.7	134.7
77.5°	97.8	97.8	97.8	97.8	98.8
80°	64.9	62.9	62.9	62.9	62.9
82.5°	35.9	35.9	35.9	36.9	37.9
85°	16.0	16.0	16.0	16.0	16.0
87.5°	6.0	6.0	6.0	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	15.67	17.28	16.03	17.59	17.91	15.63	17.24	16.00	17.56	17.87
	3H	17.21	18.66	17.59	18.99	19.35	17.17	18.62	17.55	18.95	19.31
	4H	17.67	19.04	18.07	19.39	19.76	17.64	19.00	18.04	19.35	19.73
	6H	17.92	19.18	18.33	19.55	19.94	17.89	19.15	18.30	19.51	19.91
	8H	17.96	19.16	18.38	19.55	19.95	17.93	19.13	18.35	19.52	19.92
	12H	17.96	19.11	18.39	19.49	19.92	17.93	19.09	18.36	19.47	19.90
4H	2H	16.23	17.60	16.63	17.95	18.32	16.21	17.57	16.60	17.92	18.30
	3H	17.96	19.10	18.37	19.50	19.90	17.93	19.07	18.34	19.47	19.87
	4H	18.52	19.55	18.95	19.96	20.40	18.49	19.52	18.92	19.93	20.37
	6H	18.85	19.74	19.30	20.18	20.64	18.82	19.71	19.28	20.15	20.61
	8H	18.90	19.74	19.36	20.18	20.65	18.88	19.71	19.34	20.16	20.62
	12H	18.92	19.67	19.40	20.14	20.61	18.90	19.65	19.38	20.12	20.59
8H	4H	18.72	19.55	19.18	19.99	20.46	18.69	19.52	19.15	19.97	20.43
	6H	19.10	19.79	19.60	20.28	20.76	19.08	19.77	19.57	20.26	20.73
	8H	19.18	19.80	19.69	20.31	20.79	19.16	19.78	19.68	20.29	20.78
	12H	19.22	19.77	19.73	20.26	20.82	19.21	19.75	19.72	20.24	20.80
12H	4H	18.72	19.47	19.20	19.94	20.41	18.69	19.44	19.17	19.92	20.39
	6H	19.10	19.72	19.61	20.23	20.72	19.08	19.70	19.59	20.20	20.69
	8H	19.22	19.76	19.73	20.25	20.81	19.20	19.74	19.71	20.23	20.80