

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: P997352

Luminaire Tested: FSP-22-L3C3-CP125-4000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997352
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CP125-4000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

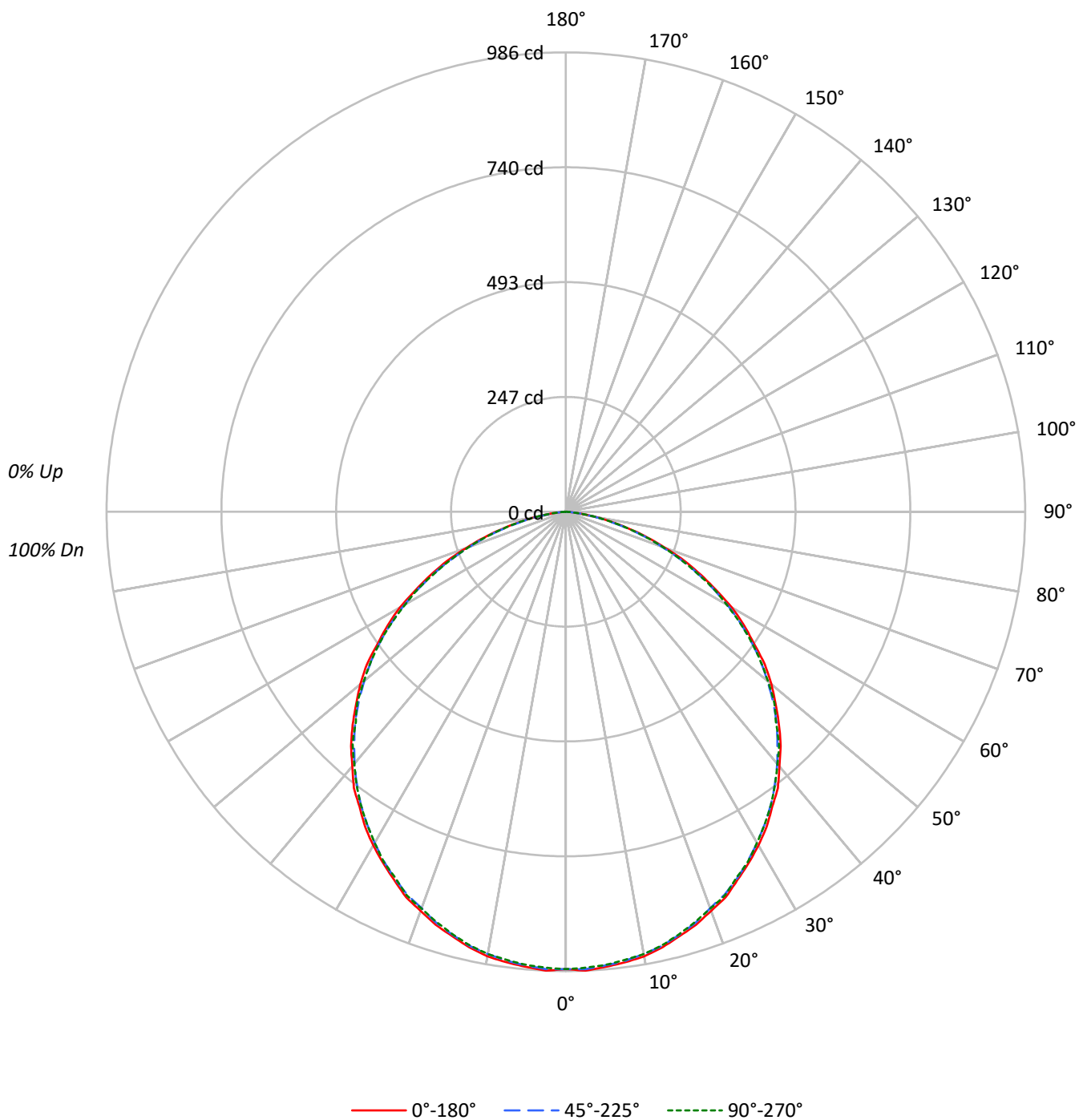
Lumens per Lamp: N/A
Luminaire Lumens: 2646.0 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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		95	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	83	72	63	57	81	70	62	56	68	61	55		66	60	55		63
5	77	64	55	49	75	63	55	49	61	54	48		59	53	47		57
6	71	58	49	43	69	57	49	42	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	27	52	40	32	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3216	3216	3216
5°	3225	3215	3211
10°	3224	3207	3207
15°	3198	3188	3184
20°	3178	3157	3160
25°	3152	3141	3133
30°	3129	3105	3105
35°	3090	3069	3069
40°	3049	3018	3022
45°	2998	2964	2955
50°	2936	2877	2888
55°	2813	2777	2777
60°	2699	2624	2610
65°	2480	2407	2399
70°	2183	2103	2123
75°	1786	1707	1760
80°	1243	1183	1243
85°	590	549	590

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2998 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.9	3.5
10°-20°	265.3	10.0
20°-30°	400.6	15.1
30°-40°	480.4	18.2
40°-50°	493.9	18.7
50°-60°	435.4	16.5
60°-70°	308.3	11.6
70°-80°	145.8	5.5
80°-90°	23.5	0.9
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°	758.8	28.7
0°-40°	1239.2	46.8
0°-60°	2168.4	81.9
0°-90°	2646.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2646.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	982	982	982	982	982	
5°	980	980	977	976	976	93
15°	943	939	940	939	939	266
25°	872	869	869	868	867	402
35°	772	769	767	766	767	484
45°	647	641	640	638	638	499
55°	492	488	486	488	486	442
65°	320	309	310	312	309	316
75°	141	133	135	135	139	151
85°	16	15	15	16	16	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	981.6	981.6	981.6	981.6	981.6
2.5°	985.8	980.5	982.6	980.5	979.5
5°	980.5	979.5	977.4	976.3	976.3
7.5°	975.3	972.2	972.2	970.1	970.1
10°	969.0	963.8	963.8	963.8	963.8
12.5°	957.5	952.3	954.4	951.3	953.3
15°	942.9	938.7	939.8	938.7	938.7
17.5°	929.3	925.1	925.1	924.1	923.0
20°	911.5	911.5	905.3	908.4	906.3
22.5°	895.9	894.8	889.6	887.5	891.7
25°	871.8	868.7	868.7	867.6	866.6
27.5°	849.9	848.8	845.7	846.7	846.7
30°	826.9	822.7	820.6	818.5	820.6
32.5°	801.8	794.5	794.5	794.5	794.5
35°	772.5	769.4	767.3	766.2	767.3
37.5°	747.4	742.2	737.0	735.9	738.0
40°	712.9	708.7	705.6	706.6	706.6
42.5°	682.6	676.3	672.2	675.3	677.4
45°	647.1	640.8	639.7	637.7	637.7
47.5°	610.5	606.3	603.2	602.1	607.3
50°	576.0	567.6	564.5	564.5	566.6
52.5°	538.3	530.0	526.9	527.9	526.9
55°	492.4	488.2	486.1	488.2	486.1
57.5°	453.7	446.4	444.3	444.3	443.2
60°	411.9	401.4	400.4	399.3	398.3
62.5°	362.7	356.5	355.4	355.4	357.5
65°	319.9	309.4	310.5	311.5	309.4
67.5°	276.0	265.5	265.5	266.6	265.5
70°	227.9	218.5	219.5	221.6	221.6
72.5°	184.0	176.7	177.7	177.7	178.8
75°	141.1	132.8	134.8	134.8	139.0
77.5°	101.4	95.1	96.2	98.3	99.3
80°	65.9	61.7	62.7	63.8	65.9
82.5°	36.6	35.5	35.5	36.6	36.6
85°	15.7	14.6	14.6	15.7	15.7
87.5°	4.2	4.2	3.1	3.1	4.2
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	15.77	17.38	16.14	17.69	18.01	15.71	17.32	16.08	17.64	17.95
	3H	17.30	18.75	17.68	19.08	19.44	17.23	18.68	17.61	19.01	19.37
	4H	17.76	19.12	18.16	19.47	19.85	17.69	19.05	18.09	19.40	19.78
	6H	18.00	19.26	18.41	19.63	20.02	17.94	19.20	18.35	19.56	19.95
	8H	18.04	19.24	18.46	19.63	20.03	17.97	19.17	18.40	19.56	19.96
	12H	18.04	19.19	18.47	19.57	20.00	17.97	19.12	18.40	19.51	19.94
4H	2H	16.32	17.68	16.72	18.03	18.41	16.28	17.64	16.67	17.98	18.36
	3H	18.03	19.16	18.44	19.56	19.96	17.98	19.11	18.39	19.51	19.91
	4H	18.57	19.59	19.00	20.01	20.44	18.53	19.55	18.96	19.96	20.40
	6H	18.89	19.77	19.34	20.21	20.67	18.85	19.74	19.31	20.18	20.64
	8H	18.94	19.77	19.40	20.21	20.68	18.91	19.74	19.37	20.18	20.65
	12H	18.95	19.69	19.43	20.17	20.64	18.92	19.67	19.41	20.14	20.61
8H	4H	18.76	19.59	19.22	20.03	20.49	18.72	19.55	19.18	19.99	20.46
	6H	19.12	19.81	19.62	20.30	20.77	19.10	19.78	19.59	20.27	20.75
	8H	19.20	19.81	19.71	20.32	20.81	19.18	19.79	19.69	20.30	20.79
	12H	19.23	19.77	19.74	20.26	20.83	19.22	19.76	19.72	20.25	20.81
12H	4H	18.76	19.50	19.24	19.98	20.45	18.72	19.46	19.20	19.94	20.41
	6H	19.12	19.74	19.63	20.24	20.73	19.10	19.71	19.61	20.22	20.70
	8H	19.23	19.77	19.74	20.26	20.82	19.21	19.75	19.72	20.24	20.80