

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: P997338

Luminaire Tested: FSP-22-L3C3-CA125-3500K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997338
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-CA125-3500K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

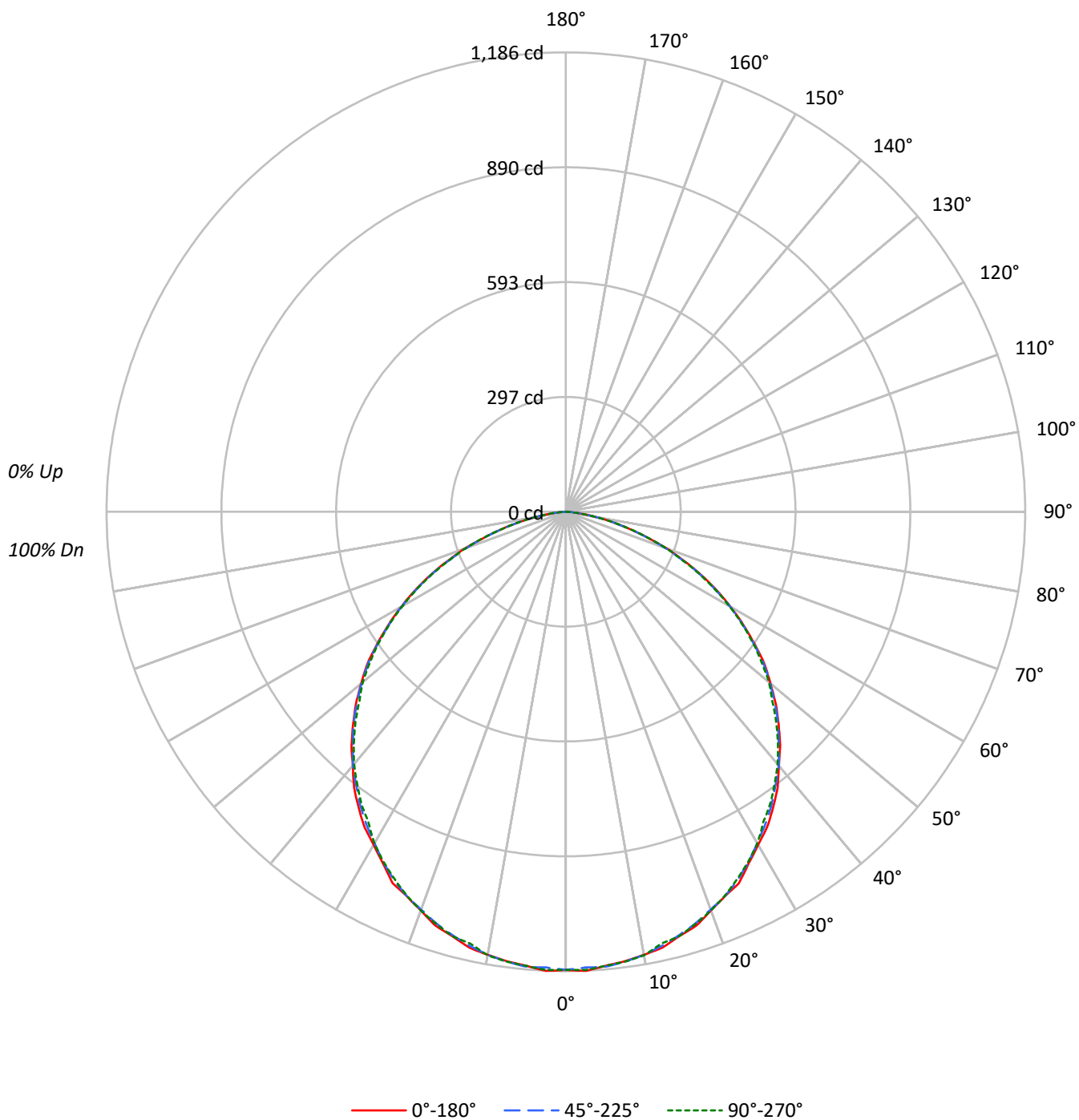
Lumens per Lamp: N/A
Luminaire Lumens: 3206.1 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

Input Watts (W): 30.4
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°	3875	3875	3875
5°	3870	3878	3870
10°	3864	3864	3868
15°	3847	3838	3847
20°	3819	3810	3819
25°	3824	3793	3784
30°	3757	3738	3742
35°	3732	3702	3682
40°	3659	3659	3638
45°	3599	3594	3559
50°	3514	3508	3489
55°	3396	3382	3367
60°	3216	3208	3192
65°	2983	2963	2953
70°	2657	2609	2644
75°	2134	2119	2134
80°	1532	1485	1485
85°	752	752	752

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3599 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.9	3.5
10°-20°	319.6	10.0
20°-30°	482.7	15.1
30°-40°	578.8	18.1
40°-50°	596.2	18.6
50°-60°	528.0	16.5
60°-70°	377.6	11.8
70°-80°	180.8	5.6
80°-90°	30.6	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°	914.2	28.5
0°-40°	1493.0	46.6
0°-60°	2617.1	81.6
0°-90°	3206.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3206.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1183	1183	1183	1183	1183	
5°	1176	1175	1179	1176	1176	112
15°	1134	1134	1132	1132	1134	320
25°	1058	1050	1049	1045	1047	484
35°	933	928	925	923	920	583
45°	777	776	776	772	768	599
55°	594	592	592	588	590	531
65°	385	382	382	382	381	380
75°	169	169	167	167	169	181
85°	20	20	20	20	20	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1182.7	1182.7	1182.7	1182.7	1182.7
2.5°	1186.5	1182.7	1177.7	1181.5	1184.0
5°	1176.5	1175.2	1179.0	1176.5	1176.5
7.5°	1170.2	1172.7	1171.5	1171.5	1171.5
10°	1161.5	1161.5	1161.5	1160.2	1162.7
12.5°	1152.7	1146.5	1147.7	1147.7	1141.5
15°	1134.0	1134.0	1131.5	1131.5	1134.0
17.5°	1120.3	1117.8	1114.0	1114.0	1115.3
20°	1095.3	1095.3	1092.8	1090.3	1095.3
22.5°	1074.1	1079.1	1074.1	1069.1	1072.8
25°	1057.8	1050.3	1049.1	1045.3	1046.6
27.5°	1022.9	1019.1	1020.4	1017.9	1019.1
30°	992.9	990.4	987.9	985.4	989.1
32.5°	966.6	964.2	957.9	956.7	949.2
35°	932.9	927.9	925.4	922.9	920.4
37.5°	898.0	893.0	889.2	888.0	885.5
40°	855.5	853.0	855.5	849.3	850.5
42.5°	819.3	816.8	813.0	810.5	810.5
45°	776.8	775.6	775.6	771.8	768.1
47.5°	735.6	734.4	731.9	726.9	723.1
50°	689.4	690.6	688.1	683.1	684.4
52.5°	646.9	639.4	643.2	638.2	636.9
55°	594.5	592.0	592.0	588.2	589.5
57.5°	543.3	543.3	540.8	540.8	539.5
60°	490.8	489.6	489.6	488.3	487.1
62.5°	439.6	438.4	435.9	435.9	434.6
65°	384.7	382.2	382.2	382.2	380.9
67.5°	329.7	327.2	326.0	326.0	324.7
70°	277.3	273.5	272.3	272.3	276.0
72.5°	218.6	219.8	218.6	219.8	221.1
75°	168.6	168.6	167.4	167.4	168.6
77.5°	122.4	122.4	122.4	122.4	123.6
80°	81.2	78.7	78.7	78.7	78.7
82.5°	45.0	45.0	45.0	46.2	47.5
85°	20.0	20.0	20.0	20.0	20.0
87.5°	7.5	7.5	7.5	7.5	6.2
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	16.45	18.06	16.81	18.37	18.69	16.41	18.02	16.78	18.34	18.65
	3H	17.99	19.44	18.37	19.77	20.13	17.95	19.40	18.33	19.73	20.09
	4H	18.45	19.82	18.85	20.17	20.54	18.42	19.78	18.82	20.13	20.51
	6H	18.70	19.96	19.11	20.33	20.72	18.67	19.93	19.08	20.29	20.68
	8H	18.74	19.94	19.16	20.33	20.73	18.71	19.91	19.13	20.30	20.70
	12H	18.74	19.89	19.17	20.27	20.70	18.71	19.86	19.14	20.25	20.68
4H	2H	17.01	18.38	17.41	18.73	19.10	16.99	18.35	17.38	18.70	19.08
	3H	18.74	19.88	19.15	20.28	20.68	18.71	19.85	19.12	20.25	20.65
	4H	19.30	20.33	19.73	20.74	21.18	19.27	20.30	19.70	20.71	21.15
	6H	19.63	20.52	20.08	20.96	21.42	19.60	20.49	20.06	20.93	21.39
	8H	19.68	20.52	20.14	20.96	21.42	19.66	20.49	20.12	20.94	21.40
	12H	19.70	20.45	20.18	20.92	21.39	19.68	20.43	20.16	20.90	21.37
8H	4H	19.50	20.33	19.96	20.77	21.24	19.47	20.30	19.93	20.75	21.21
	6H	19.88	20.57	20.38	21.06	21.54	19.86	20.55	20.35	21.04	21.51
	8H	19.96	20.58	20.47	21.09	21.57	19.94	20.56	20.46	21.07	21.56
	12H	20.00	20.55	20.51	21.04	21.60	19.99	20.53	20.50	21.02	21.58
12H	4H	19.50	20.25	19.98	20.72	21.19	19.47	20.22	19.95	20.70	21.17
	6H	19.88	20.50	20.39	21.01	21.49	19.86	20.48	20.37	20.98	21.47
	8H	20.00	20.54	20.51	21.03	21.59	19.98	20.52	20.49	21.01	21.58