

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: P997358

Luminaire Tested: FSP-22-L3C3-CP187-3500K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997358
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-11)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CP187-3500K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

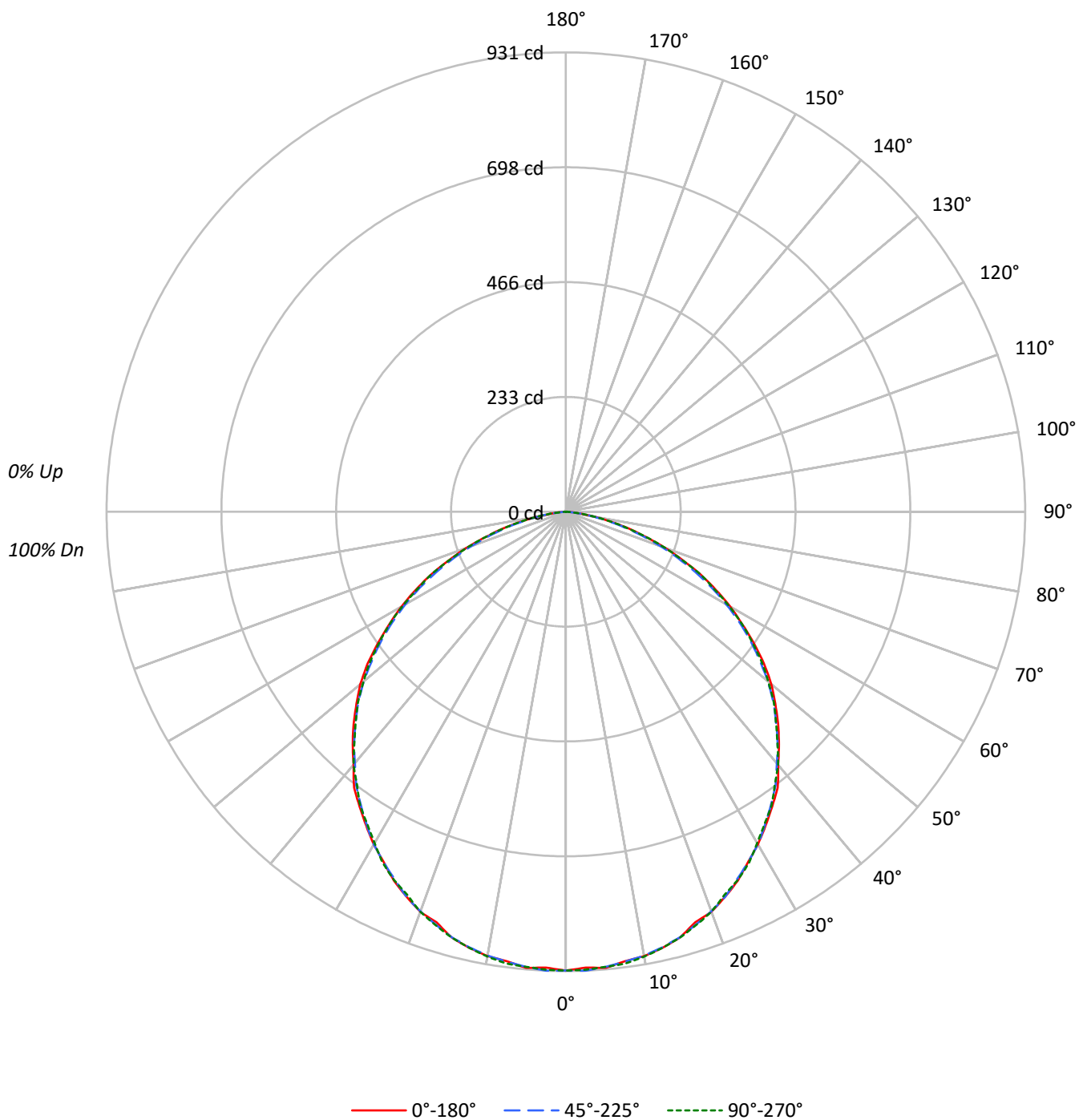
Lumens per Lamp: N/A
Luminaire Lumens: 2501.0 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P997358

CATALOG NUMBER: FSP-22-L3C3-CP187-3500K-MID

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	84	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	48		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	33	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3047	3047	3047
5°	3051	3045	3045
10°	3042	3039	3046
15°	3032	3028	3032
20°	3008	3005	3008
25°	2982	2971	2978
30°	2945	2945	2933
35°	2916	2900	2908
40°	2863	2845	2863
45°	2820	2791	2791
50°	2771	2724	2729
55°	2659	2612	2635
60°	2524	2463	2503
65°	2339	2243	2339
70°	2052	1953	2041
75°	1681	1565	1642
80°	1145	1089	1166
85°	504	541	541

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2820 cd/sqm

TEST NUMBER: P997358

CATALOG NUMBER: FSP-22-L3C3-CP187-3500K-MID

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.0	3.5
10°-20°	251.8	10.1
20°-30°	379.2	15.2
30°-40°	454.3	18.2
40°-50°	466.4	18.6
50°-60°	410.8	16.4
60°-70°	291.4	11.7
70°-80°	137.3	5.5
80°-90°	21.7	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°	719.1	28.8
0°-40°	1173.3	46.9
0°-60°	2050.5	82.0
0°-90°	2501.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2501.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	930	930	930	930	930	
5°	928	930	926	926	926	88
15°	894	892	893	893	894	251
25°	825	825	822	824	824	380
35°	729	727	725	725	727	456
45°	608	606	602	605	602	469
55°	465	461	457	460	461	416
65°	302	294	289	296	302	297
75°	133	127	124	130	130	141
85°	13	13	14	14	14	22
90°	0	0	0	0	0	

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CATALOG NUMBER: FSP-22-L3C3-CP187-3500K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	929.8	929.8	929.8	929.8	929.8
2.5°	924.6	931.8	930.8	928.7	928.7
5°	927.7	929.8	925.7	925.7	925.7
7.5°	918.5	922.6	919.5	919.5	923.6
10°	914.3	916.4	913.3	913.3	915.4
12.5°	905.1	906.1	904.0	904.0	905.1
15°	893.7	891.7	892.7	892.7	893.7
17.5°	872.1	880.4	877.3	880.4	878.3
20°	862.8	863.9	861.8	860.8	862.8
22.5°	844.3	841.2	844.3	842.3	840.2
25°	824.8	824.8	821.7	823.7	823.7
27.5°	800.0	801.1	800.0	800.0	803.1
30°	778.4	778.4	778.4	777.4	775.3
32.5°	753.7	753.7	751.6	752.7	749.6
35°	729.0	726.9	724.9	724.9	726.9
37.5°	705.3	701.2	698.1	698.1	696.0
40°	669.3	671.3	665.2	666.2	669.3
42.5°	639.4	639.4	635.3	638.4	634.3
45°	608.5	606.5	602.3	605.4	602.3
47.5°	575.6	572.5	570.4	569.4	571.5
50°	543.7	536.4	534.4	535.4	535.4
52.5°	506.6	499.4	495.3	498.4	500.4
55°	465.4	461.3	457.2	460.3	461.3
57.5°	424.2	420.1	417.0	419.1	423.2
60°	385.1	378.9	375.8	379.9	382.0
62.5°	342.9	336.7	333.6	339.8	338.8
65°	301.7	293.5	289.3	296.5	301.7
67.5°	256.4	251.2	246.1	253.3	254.3
70°	214.2	205.9	203.9	213.1	213.1
72.5°	169.9	166.8	162.7	169.9	172.0
75°	132.8	126.6	123.6	129.7	129.7
77.5°	93.7	90.6	88.6	93.7	95.8
80°	60.7	57.7	57.7	59.7	61.8
82.5°	32.9	32.9	31.9	34.0	35.0
85°	13.4	13.4	14.4	14.4	14.4
87.5°	3.1	3.1	3.1	3.1	3.1
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	15.54	17.15	15.91	17.46	17.78	15.53	17.13	15.89	17.45	17.76
	3H	17.07	18.51	17.44	18.84	19.20	17.07	18.52	17.45	18.85	19.21
	4H	17.53	18.89	17.93	19.24	19.61	17.53	18.89	17.93	19.24	19.62
	6H	17.76	19.02	18.17	19.38	19.77	17.78	19.04	18.19	19.40	19.79
	8H	17.79	18.99	18.22	19.38	19.78	17.82	19.02	18.24	19.40	19.80
	12H	17.79	18.94	18.22	19.32	19.75	17.82	18.97	18.25	19.35	19.78
4H	2H	16.08	17.44	16.48	17.79	18.16	16.07	17.43	16.47	17.78	18.15
	3H	17.78	18.91	18.19	19.31	19.71	17.80	18.93	18.21	19.33	19.73
	4H	18.33	19.35	18.76	19.77	20.20	18.36	19.38	18.79	19.79	20.23
	6H	18.64	19.53	19.10	19.97	20.43	18.69	19.57	19.14	20.01	20.47
	8H	18.69	19.52	19.15	19.96	20.43	18.74	19.57	19.20	20.01	20.48
	12H	18.70	19.44	19.18	19.92	20.39	18.75	19.50	19.23	19.97	20.44
8H	4H	18.51	19.34	18.98	19.79	20.25	18.54	19.37	19.00	19.81	20.27
	6H	18.87	19.56	19.37	20.05	20.52	18.92	19.60	19.41	20.09	20.57
	8H	18.95	19.56	19.46	20.07	20.55	19.00	19.61	19.51	20.12	20.60
	12H	18.98	19.52	19.48	20.01	20.57	19.03	19.57	19.54	20.06	20.62
12H	4H	18.51	19.26	19.00	19.73	20.20	18.54	19.28	19.02	19.75	20.22
	6H	18.87	19.49	19.38	19.99	20.48	18.91	19.53	19.42	20.03	20.52
	8H	18.98	19.52	19.48	20.01	20.57	19.02	19.56	19.53	20.05	20.62