

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: P997361

Luminaire Tested: FSP-22-L3C3-CP187-4000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997361
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-CP187-4000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

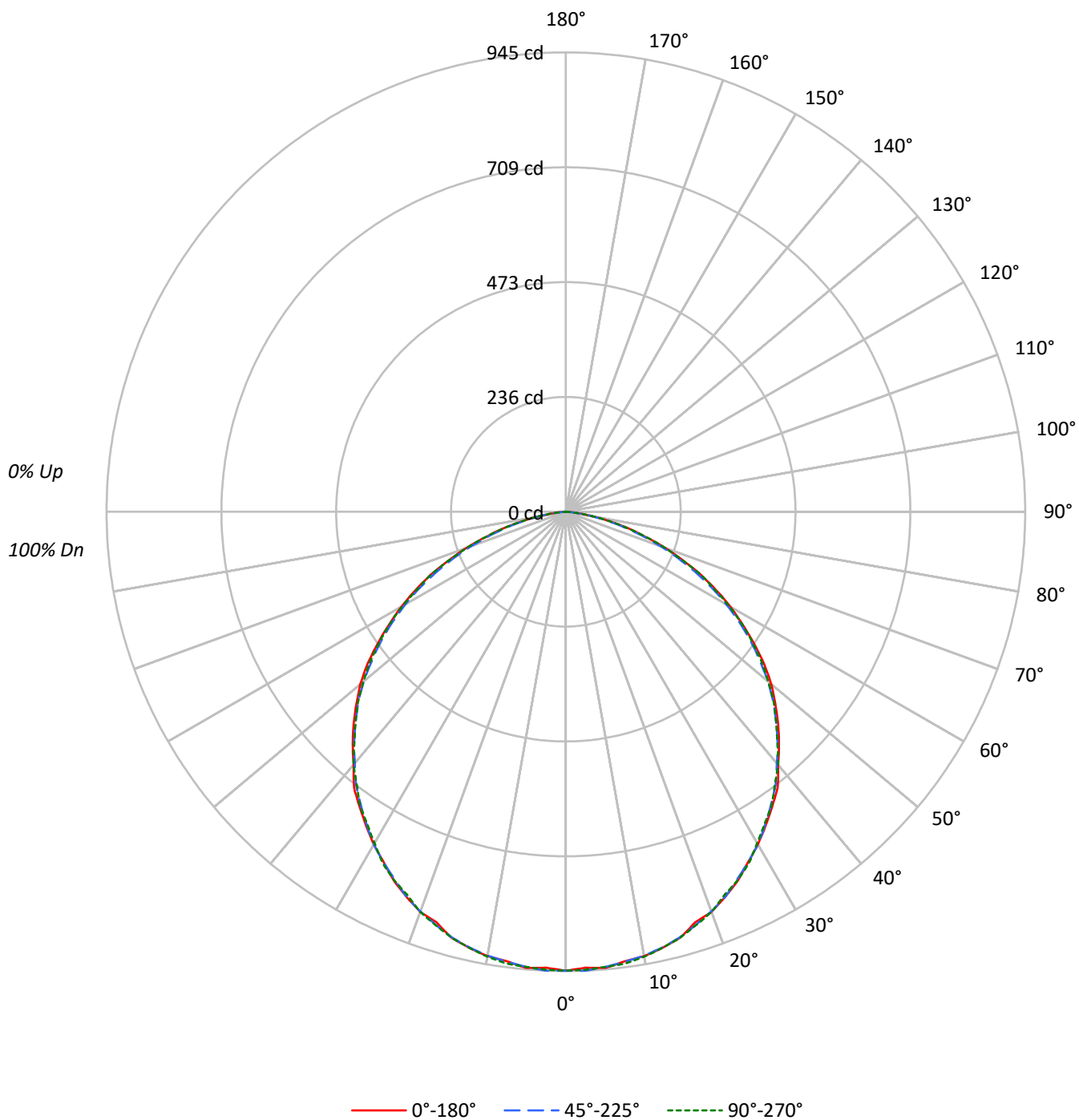
Lumens per Lamp: N/A
Luminaire Lumens: 2539.0 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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: P997361

CATALOG NUMBER: FSP-22-L3C3-CP187-4000K-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°	3093	3093	3093
5°	3098	3091	3091
10°	3088	3085	3092
15°	3078	3074	3078
20°	3054	3051	3054
25°	3027	3015	3023
30°	2990	2990	2978
35°	2960	2944	2952
40°	2906	2888	2906
45°	2863	2834	2834
50°	2813	2765	2771
55°	2699	2651	2675
60°	2562	2500	2541
65°	2375	2277	2375
70°	2083	1983	2073
75°	1707	1588	1667
80°	1164	1104	1183
85°	511	549	549

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2863 cd/sqm

TEST NUMBER: P997361

CATALOG NUMBER: FSP-22-L3C3-CP187-4000K-MID

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	3.5
10°-20°	255.7	10.1
20°-30°	385.0	15.2
30°-40°	461.2	18.2
40°-50°	473.5	18.6
50°-60°	417.0	16.4
60°-70°	295.9	11.7
70°-80°	139.4	5.5
80°-90°	22.0	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°	730.0	28.8
0°-40°	1191.2	46.9
0°-60°	2081.7	82.0
0°-90°	2539.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2539.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	944	944	944	944	944	
5°	942	944	940	940	940	89
15°	907	905	906	906	907	255
25°	837	837	834	836	836	385
35°	740	738	736	736	738	463
45°	618	616	612	615	612	476
55°	472	468	464	467	468	422
65°	306	298	294	301	306	301
75°	135	129	125	132	132	143
85°	14	14	15	15	15	22
90°	0	0	0	0	0	

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CATALOG NUMBER: FSP-22-L3C3-CP187-4000K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	943.9	943.9	943.9	943.9	943.9
2.5°	938.7	946.0	944.9	942.9	942.9
5°	941.8	943.9	939.7	939.7	939.7
7.5°	932.4	936.6	933.5	933.5	937.6
10°	928.2	930.3	927.2	927.2	929.3
12.5°	918.8	919.9	917.8	917.8	918.8
15°	907.3	905.2	906.3	906.3	907.3
17.5°	885.4	893.7	890.6	893.7	891.6
20°	876.0	877.0	874.9	873.9	876.0
22.5°	857.1	854.0	857.1	855.1	853.0
25°	837.3	837.3	834.1	836.2	836.2
27.5°	812.2	813.2	812.2	812.2	815.3
30°	790.2	790.2	790.2	789.2	787.1
32.5°	765.2	765.2	763.1	764.1	761.0
35°	740.1	738.0	735.9	735.9	738.0
37.5°	716.0	711.8	708.7	708.7	706.6
40°	679.4	681.5	675.3	676.3	679.4
42.5°	649.1	649.1	644.9	648.1	643.9
45°	617.8	615.7	611.5	614.6	611.5
47.5°	584.3	581.2	579.1	578.0	580.1
50°	551.9	544.6	542.5	543.6	543.6
52.5°	514.3	507.0	502.8	505.9	508.0
55°	472.5	468.3	464.1	467.2	468.3
57.5°	430.7	426.5	423.3	425.4	429.6
60°	390.9	384.7	381.5	385.7	387.8
62.5°	348.1	341.8	338.7	344.9	343.9
65°	306.3	297.9	293.7	301.0	306.3
67.5°	260.3	255.1	249.8	257.1	258.2
70°	217.4	209.1	207.0	216.4	216.4
72.5°	172.5	169.3	165.2	172.5	174.6
75°	134.8	128.6	125.4	131.7	131.7
77.5°	95.1	92.0	89.9	95.1	97.2
80°	61.7	58.5	58.5	60.6	62.7
82.5°	33.4	33.4	32.4	34.5	35.5
85°	13.6	13.6	14.6	14.6	14.6
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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CATALOG NUMBER: FSP-22-L3C3-CP187-4000K-MID

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	15.59	17.20	15.96	17.51	17.83	15.58	17.18	15.94	17.50	17.81
	3H	17.12	18.57	17.50	18.89	19.25	17.12	18.57	17.50	18.90	19.26
	4H	17.58	18.94	17.98	19.29	19.67	17.59	18.95	17.98	19.29	19.67
	6H	17.81	19.07	18.22	19.44	19.83	17.83	19.09	18.24	19.45	19.85
	8H	17.84	19.04	18.27	19.43	19.83	17.87	19.07	18.29	19.46	19.86
	12H	17.84	18.99	18.27	19.37	19.80	17.87	19.02	18.30	19.40	19.83
4H	2H	16.13	17.49	16.53	17.84	18.22	16.12	17.48	16.52	17.83	18.20
	3H	17.83	18.97	18.24	19.37	19.77	17.85	18.99	18.26	19.38	19.78
	4H	18.39	19.41	18.82	19.82	20.26	18.41	19.43	18.84	19.85	20.28
	6H	18.70	19.58	19.15	20.02	20.48	18.74	19.63	19.19	20.07	20.52
	8H	18.74	19.57	19.20	20.01	20.48	18.79	19.62	19.25	20.06	20.53
	12H	18.75	19.50	19.23	19.97	20.44	18.81	19.55	19.29	20.02	20.49
8H	4H	18.57	19.40	19.03	19.84	20.30	18.59	19.42	19.05	19.86	20.33
	6H	18.93	19.61	19.42	20.10	20.58	18.97	19.65	19.46	20.14	20.62
	8H	19.00	19.61	19.51	20.12	20.61	19.05	19.66	19.56	20.17	20.65
	12H	19.03	19.57	19.54	20.06	20.62	19.08	19.62	19.59	20.11	20.68
12H	4H	18.57	19.31	19.05	19.79	20.26	18.59	19.33	19.07	19.81	20.28
	6H	18.92	19.54	19.44	20.05	20.53	18.96	19.58	19.48	20.09	20.57
	8H	19.03	19.57	19.54	20.06	20.62	19.08	19.62	19.58	20.11	20.67