

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: P997355

Luminaire Tested: FSP-22-L3C3-CP187-3000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997355
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-CP187-3000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

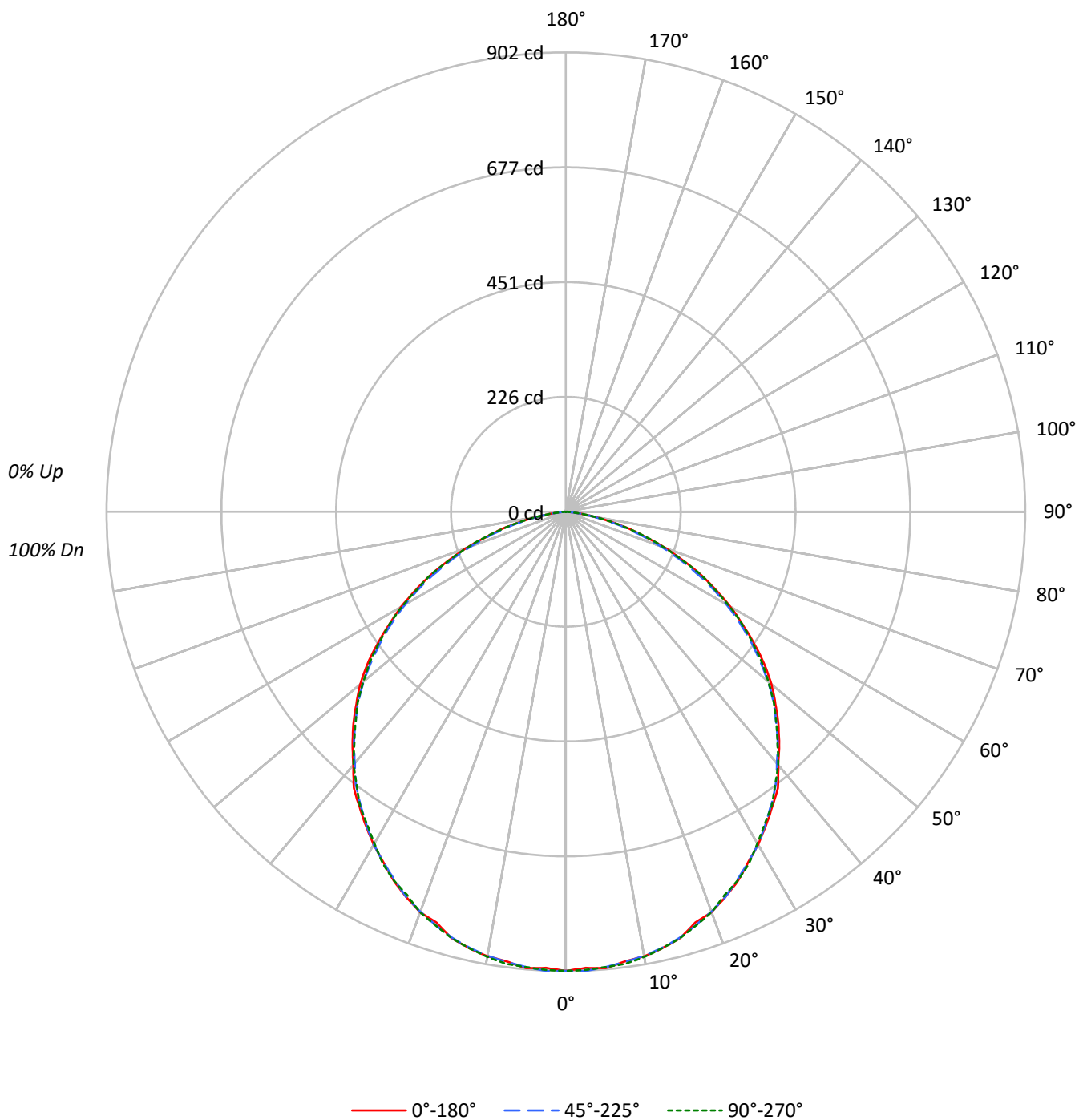
Lumens per Lamp: N/A
Luminaire Lumens: 2425.0 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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

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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	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°	2954	2954	2954
5°	2958	2952	2952
10°	2949	2946	2953
15°	2940	2936	2940
20°	2917	2914	2917
25°	2891	2880	2888
30°	2856	2856	2844
35°	2827	2811	2819
40°	2775	2758	2775
45°	2734	2706	2706
50°	2687	2641	2646
55°	2578	2532	2555
60°	2447	2388	2427
65°	2268	2175	2268
70°	1990	1894	1980
75°	1631	1517	1593
80°	1111	1055	1130
85°	489	526	526

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2734 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.4	3.5
10°-20°	244.2	10.1
20°-30°	367.7	15.2
30°-40°	440.5	18.2
40°-50°	452.2	18.6
50°-60°	398.3	16.4
60°-70°	282.6	11.7
70°-80°	133.1	5.5
80°-90°	21.0	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°	697.2	28.8
0°-40°	1137.7	46.9
0°-60°	1988.2	82.0
0°-90°	2425.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2425.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	902	902	902	902	902	
5°	900	902	898	898	898	85
15°	867	865	866	866	867	244
25°	800	800	797	799	799	368
35°	707	705	703	703	705	442
45°	590	588	584	587	584	455
55°	451	447	443	446	447	403
65°	292	284	280	288	292	288
75°	129	123	120	126	126	136
85°	13	13	14	14	14	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	901.5	901.5	901.5	901.5	901.5
2.5°	896.5	903.5	902.5	900.5	900.5
5°	899.5	901.5	897.5	897.5	897.5
7.5°	890.5	894.5	891.5	891.5	895.5
10°	886.5	888.5	885.5	885.5	887.5
12.5°	877.6	878.6	876.6	876.6	877.6
15°	866.6	864.6	865.6	865.6	866.6
17.5°	845.6	853.6	850.6	853.6	851.6
20°	836.6	837.6	835.6	834.6	836.6
22.5°	818.7	815.7	818.7	816.7	814.7
25°	799.7	799.7	796.7	798.7	798.7
27.5°	775.7	776.7	775.7	775.7	778.7
30°	754.8	754.8	754.8	753.8	751.8
32.5°	730.8	730.8	728.8	729.8	726.8
35°	706.8	704.8	702.8	702.8	704.8
37.5°	683.9	679.9	676.9	676.9	674.9
40°	648.9	650.9	644.9	645.9	648.9
42.5°	620.0	620.0	616.0	619.0	615.0
45°	590.0	588.0	584.0	587.0	584.0
47.5°	558.1	555.1	553.1	552.1	554.1
50°	527.1	520.1	518.2	519.1	519.1
52.5°	491.2	484.2	480.2	483.2	485.2
55°	451.3	447.3	443.3	446.3	447.3
57.5°	411.3	407.3	404.3	406.3	410.3
60°	373.4	367.4	364.4	368.4	370.4
62.5°	332.5	326.5	323.5	329.5	328.5
65°	292.5	284.5	280.5	287.5	292.5
67.5°	248.6	243.6	238.6	245.6	246.6
70°	207.7	199.7	197.7	206.7	206.7
72.5°	164.7	161.7	157.7	164.7	166.7
75°	128.8	122.8	119.8	125.8	125.8
77.5°	90.9	87.9	85.9	90.9	92.8
80°	58.9	55.9	55.9	57.9	59.9
82.5°	31.9	31.9	30.9	32.9	33.9
85°	13.0	13.0	14.0	14.0	14.0
87.5°	3.0	3.0	3.0	3.0	3.0
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	15.43	17.04	15.80	17.35	17.67	15.42	17.02	15.78	17.34	17.65
	3H	16.96	18.41	17.34	18.73	19.09	16.96	18.41	17.34	18.74	19.10
	4H	17.42	18.78	17.82	19.13	19.51	17.43	18.79	17.83	19.13	19.51
	6H	17.65	18.91	18.06	19.28	19.67	17.67	18.93	18.08	19.30	19.69
	8H	17.68	18.88	18.11	19.27	19.67	17.71	18.91	18.13	19.30	19.70
	12H	17.68	18.83	18.11	19.21	19.64	17.71	18.86	18.14	19.24	19.67
4H	2H	15.97	17.33	16.37	17.68	18.06	15.96	17.32	16.36	17.67	18.04
	3H	17.67	18.81	18.08	19.20	19.61	17.69	18.83	18.10	19.22	19.62
	4H	18.23	19.25	18.66	19.66	20.10	18.25	19.27	18.68	19.69	20.12
	6H	18.54	19.42	18.99	19.86	20.32	18.58	19.47	19.03	19.91	20.36
	8H	18.58	19.41	19.04	19.86	20.32	18.63	19.46	19.09	19.90	20.37
	12H	18.59	19.34	19.08	19.81	20.28	18.65	19.39	19.13	19.87	20.33
8H	4H	18.41	19.24	18.87	19.68	20.14	18.43	19.26	18.89	19.70	20.17
	6H	18.77	19.45	19.26	19.94	20.42	18.81	19.49	19.30	19.98	20.46
	8H	18.84	19.45	19.35	19.96	20.45	18.89	19.50	19.40	20.01	20.49
	12H	18.87	19.41	19.38	19.90	20.46	18.92	19.46	19.43	19.95	20.52
12H	4H	18.41	19.15	18.89	19.63	20.10	18.43	19.17	18.91	19.65	20.12
	6H	18.76	19.38	19.28	19.89	20.37	18.81	19.42	19.32	19.93	20.41
	8H	18.87	19.41	19.38	19.90	20.46	18.92	19.46	19.42	19.95	20.51