

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: P997367

Luminaire Tested: FSP-22-L3C3-CP250-3500K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-12)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CP250-3500K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

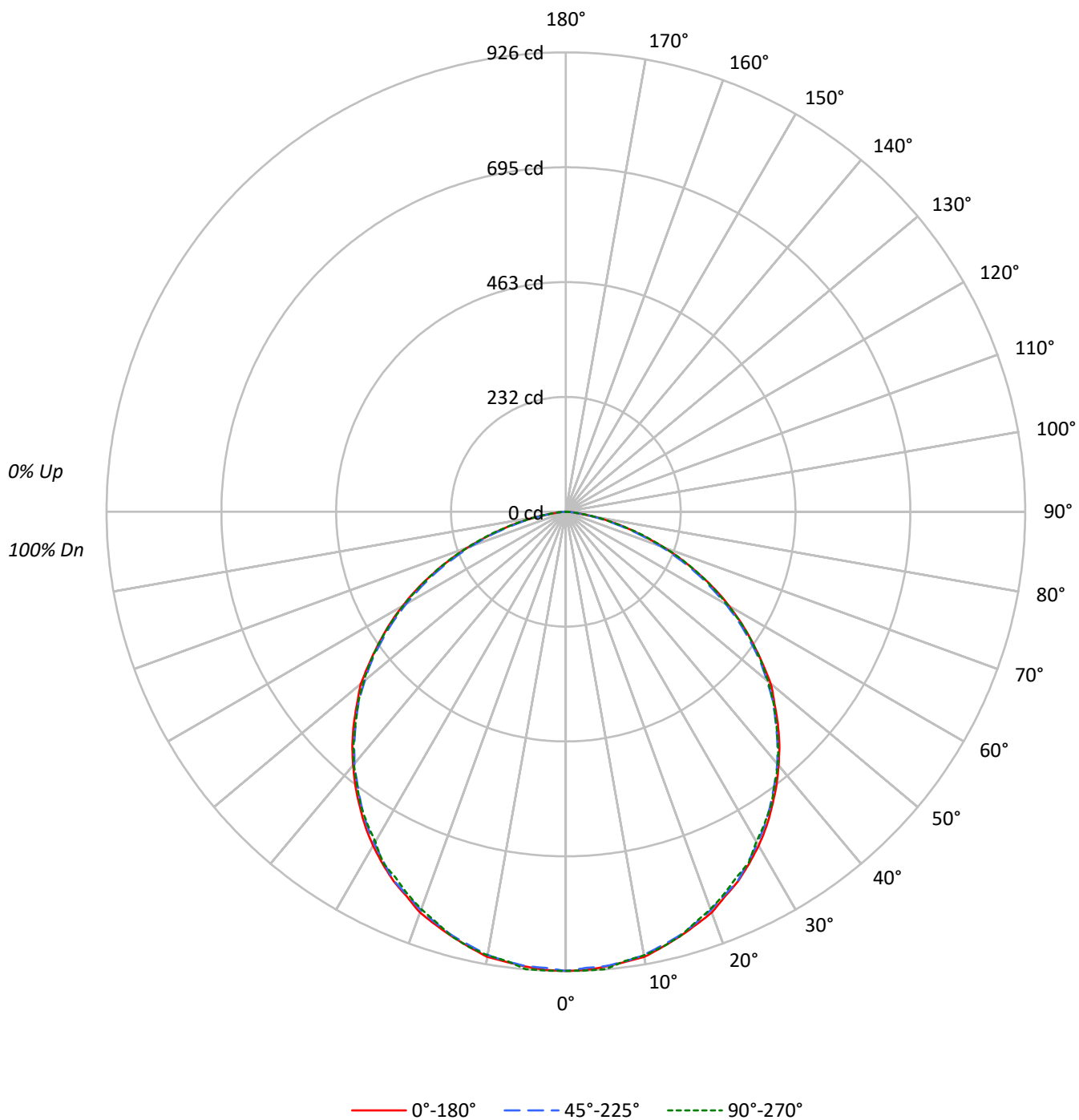
Lumens per Lamp: N/A
Luminaire Lumens: 2480.0 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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	87	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	71	62	56	68	61	56		66	60	55		64
5	77	64	55	49	75	63	55	49	61	54	48		59	53	48		57
6	71	58	49	43	69	57	49	43	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	40	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	28	52	40	33	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3032	3032	3032
5°	3027	3024	3044
10°	3031	3018	3021
15°	3007	3000	3007
20°	2997	2979	2972
25°	2970	2966	2940
30°	2940	2921	2906
35°	2899	2878	2886
40°	2853	2836	2844
45°	2800	2771	2776
50°	2750	2697	2713
55°	2623	2588	2617
60°	2490	2435	2476
65°	2291	2234	2299
70°	2012	1943	2021
75°	1629	1538	1655
80°	1108	1049	1145
85°	504	466	504

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2800 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	3.5
10°-20°	249.8	10.1
20°-30°	376.8	15.2
30°-40°	451.4	18.2
40°-50°	463.3	18.7
50°-60°	407.3	16.4
60°-70°	288.0	11.6
70°-80°	134.8	5.4
80°-90°	21.1	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°	714.1	28.8
0°-40°	1165.5	47.0
0°-60°	2036.1	82.1
0°-90°	2480.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2480.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	926	926	926	926	926	
5°	920	921	919	920	926	88
15°	886	886	884	883	886	250
25°	822	819	820	815	813	378
35°	725	725	720	720	722	454
45°	604	602	598	599	599	466
55°	459	456	453	457	458	411
65°	296	291	288	292	296	293
75°	129	124	122	128	131	138
85°	13	13	12	14	13	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	925.5	925.5	925.5	925.5	925.5
2.5°	924.5	923.4	920.3	923.4	925.5
5°	920.3	921.4	919.3	920.3	925.5
7.5°	915.2	916.2	914.2	914.2	913.1
10°	911.1	911.1	907.0	907.0	908.0
12.5°	898.7	900.8	895.6	897.7	898.7
15°	886.4	886.4	884.3	883.3	886.4
17.5°	873.0	873.0	869.9	869.9	867.8
20°	859.6	857.5	854.4	851.4	852.4
22.5°	839.0	840.0	835.9	835.9	833.9
25°	821.5	819.4	820.5	815.3	813.3
27.5°	799.9	798.9	795.8	795.8	797.8
30°	777.2	774.2	772.1	770.0	768.0
32.5°	752.5	750.5	747.4	746.4	745.3
35°	724.7	724.7	719.6	719.6	721.6
37.5°	696.9	699.0	690.8	691.8	691.8
40°	667.1	668.1	663.0	664.0	665.0
42.5°	637.2	635.2	631.1	634.1	633.1
45°	604.3	602.2	598.1	599.1	599.1
47.5°	570.3	568.3	566.2	566.2	567.2
50°	539.4	533.3	529.1	530.2	532.2
52.5°	498.3	497.2	493.1	494.1	496.2
55°	459.1	456.0	453.0	457.1	458.1
57.5°	421.0	418.0	413.8	415.9	419.0
60°	379.9	374.7	371.6	374.7	377.8
62.5°	339.7	332.5	329.4	333.5	336.6
65°	295.5	291.3	288.2	292.4	296.5
67.5°	253.2	246.0	245.0	251.2	254.3
70°	210.0	202.8	202.8	207.9	211.0
72.5°	167.8	160.6	161.6	167.8	170.9
75°	128.7	123.5	121.5	127.7	130.7
77.5°	91.6	86.5	86.5	92.7	92.7
80°	58.7	55.6	55.6	59.7	60.7
82.5°	32.9	31.9	30.9	32.9	34.0
85°	13.4	13.4	12.4	14.4	13.4
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	15.53	17.14	15.90	17.45	17.77	15.50	17.10	15.86	17.42	17.73
	3H	17.03	18.47	17.40	18.80	19.16	17.04	18.49	17.42	18.81	19.17
	4H	17.47	18.83	17.87	19.18	19.56	17.51	18.87	17.91	19.22	19.59
	6H	17.70	18.95	18.11	19.32	19.71	17.75	19.00	18.16	19.37	19.76
	8H	17.73	18.92	18.15	19.31	19.71	17.78	18.98	18.21	19.37	19.77
	12H	17.72	18.87	18.15	19.25	19.68	17.78	18.93	18.21	19.31	19.74
4H	2H	16.07	17.43	16.47	17.78	18.15	16.04	17.40	16.44	17.75	18.13
	3H	17.74	18.87	18.15	19.27	19.67	17.77	18.90	18.18	19.30	19.70
	4H	18.27	19.29	18.71	19.71	20.14	18.33	19.35	18.76	19.76	20.20
	6H	18.57	19.46	19.03	19.90	20.35	18.65	19.53	19.10	19.98	20.43
	8H	18.62	19.44	19.08	19.89	20.35	18.70	19.53	19.16	19.97	20.44
	12H	18.63	19.37	19.11	19.85	20.32	18.71	19.45	19.19	19.93	20.40
8H	4H	18.45	19.28	18.91	19.72	20.19	18.50	19.33	18.96	19.77	20.24
	6H	18.80	19.48	19.29	19.97	20.44	18.87	19.56	19.37	20.05	20.52
	8H	18.87	19.48	19.38	19.98	20.47	18.95	19.56	19.46	20.07	20.56
	12H	18.90	19.43	19.40	19.93	20.49	18.98	19.52	19.49	20.01	20.58
12H	4H	18.45	19.19	18.93	19.67	20.14	18.50	19.24	18.98	19.72	20.19
	6H	18.79	19.40	19.30	19.91	20.40	18.87	19.48	19.38	19.99	20.48
	8H	18.89	19.43	19.40	19.92	20.49	18.97	19.51	19.48	20.01	20.57