

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: P997368

Luminaire Tested: FSP-22-L3C3-CP250-4000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997368
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-CP250-4000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

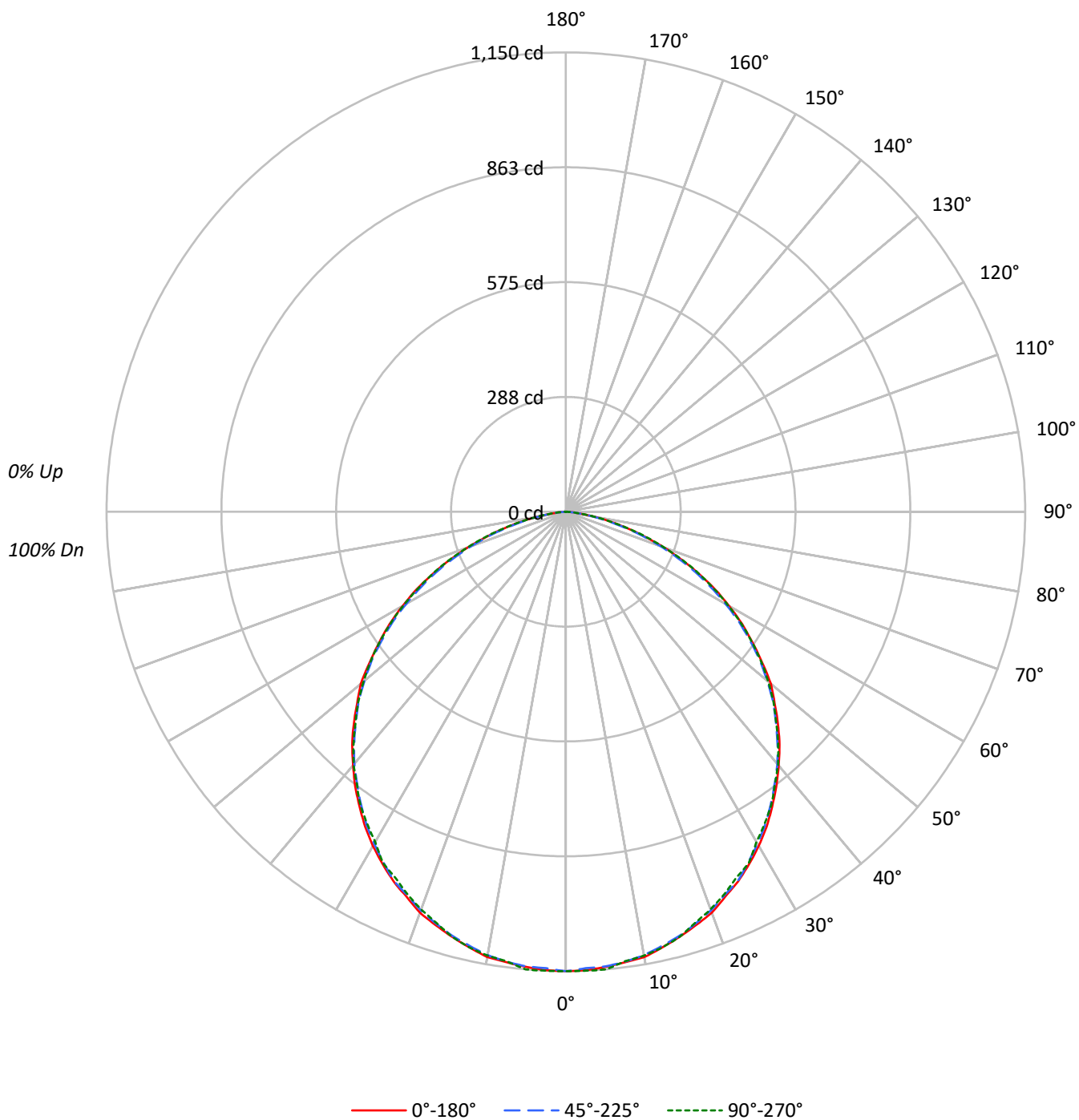
Lumens per Lamp: N/A
Luminaire Lumens: 3082.0 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

Input Watts (W): 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		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	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	28	52	40	33	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3768	3768	3768
5°	3762	3758	3783
10°	3767	3750	3754
15°	3736	3728	3736
20°	3725	3703	3694
25°	3691	3686	3654
30°	3654	3630	3611
35°	3603	3577	3587
40°	3546	3524	3535
45°	3480	3444	3450
50°	3417	3352	3371
55°	3260	3216	3252
60°	3094	3026	3077
65°	2847	2777	2857
70°	2500	2414	2513
75°	2024	1912	2057
80°	1376	1304	1425
85°	624	579	624

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3480 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.7	3.5
10°-20°	310.4	10.1
20°-30°	468.3	15.2
30°-40°	561.0	18.2
40°-50°	575.8	18.7
50°-60°	506.2	16.4
60°-70°	357.9	11.6
70°-80°	167.5	5.4
80°-90°	26.2	0.8
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°	887.4	28.8
0°-40°	1448.4	47.0
0°-60°	2530.4	82.1
0°-90°	3082.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3082.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1150	1150	1150	1150	1150	
5°	1144	1145	1142	1144	1150	109
15°	1102	1102	1099	1098	1102	311
25°	1021	1018	1020	1013	1011	470
35°	901	901	894	894	897	564
45°	751	748	743	745	745	579
55°	571	567	563	568	569	511
65°	367	362	358	363	368	364
75°	160	154	151	159	162	171
85°	17	17	15	18	17	27
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1150.1	1150.1	1150.1	1150.1	1150.1
2.5°	1148.9	1147.6	1143.7	1147.6	1150.1
5°	1143.7	1145.0	1142.5	1143.7	1150.1
7.5°	1137.3	1138.6	1136.1	1136.1	1134.8
10°	1132.2	1132.2	1127.1	1127.1	1128.4
12.5°	1116.9	1119.4	1113.0	1115.6	1116.9
15°	1101.5	1101.5	1099.0	1097.7	1101.5
17.5°	1084.9	1084.9	1081.0	1081.0	1078.5
20°	1068.3	1065.7	1061.9	1058.0	1059.3
22.5°	1042.7	1043.9	1038.8	1038.8	1036.3
25°	1020.9	1018.4	1019.6	1013.2	1010.7
27.5°	994.1	992.8	988.9	988.9	991.5
30°	965.9	962.1	959.5	957.0	954.4
32.5°	935.2	932.6	928.8	927.5	926.2
35°	900.7	900.7	894.3	894.3	896.8
37.5°	866.1	868.7	858.4	859.7	859.7
40°	829.0	830.3	823.9	825.2	826.5
42.5°	791.9	789.4	784.2	788.1	786.8
45°	751.0	748.4	743.3	744.6	744.6
47.5°	708.8	706.2	703.6	703.6	704.9
50°	670.4	662.7	657.6	658.9	661.4
52.5°	619.2	617.9	612.8	614.1	616.6
55°	570.6	566.8	562.9	568.0	569.3
57.5°	523.3	519.4	514.3	516.9	520.7
60°	472.1	465.7	461.8	465.7	469.5
62.5°	422.2	413.2	409.4	414.5	418.3
65°	367.2	362.1	358.2	363.3	368.5
67.5°	314.7	305.8	304.5	312.2	316.0
70°	261.0	252.0	252.0	258.4	262.3
72.5°	208.5	199.6	200.9	208.5	212.4
75°	159.9	153.5	151.0	158.6	162.5
77.5°	113.9	107.5	107.5	115.1	115.1
80°	72.9	69.1	69.1	74.2	75.5
82.5°	40.9	39.7	38.4	40.9	42.2
85°	16.6	16.6	15.4	17.9	16.6
87.5°	3.8	3.8	3.8	3.8	3.8
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	16.29	17.89	16.65	18.21	18.52	16.25	17.86	16.62	18.17	18.49
	3H	17.78	19.23	18.16	19.55	19.92	17.80	19.24	18.17	19.57	19.93
	4H	18.23	19.59	18.63	19.93	20.31	18.26	19.62	18.66	19.97	20.35
	6H	18.45	19.71	18.86	20.07	20.46	18.50	19.76	18.91	20.12	20.51
	8H	18.48	19.68	18.91	20.07	20.47	18.54	19.73	18.96	20.12	20.52
	12H	18.48	19.63	18.91	20.01	20.44	18.53	19.68	18.96	20.06	20.49
4H	2H	16.83	18.18	17.22	18.53	18.91	16.80	18.16	17.20	18.51	18.88
	3H	18.50	19.63	18.91	20.03	20.43	18.52	19.66	18.93	20.05	20.45
	4H	19.03	20.05	19.46	20.46	20.90	19.08	20.10	19.52	20.52	20.95
	6H	19.33	20.21	19.78	20.65	21.11	19.40	20.29	19.86	20.73	21.19
	8H	19.37	20.20	19.83	20.64	21.11	19.45	20.28	19.92	20.72	21.19
	12H	19.38	20.12	19.86	20.60	21.07	19.47	20.21	19.95	20.68	21.15
8H	4H	19.21	20.03	19.67	20.48	20.94	19.26	20.08	19.72	20.53	20.99
	6H	19.55	20.23	20.05	20.72	21.20	19.63	20.31	20.12	20.80	21.28
	8H	19.62	20.23	20.13	20.74	21.23	19.70	20.32	20.22	20.82	21.31
	12H	19.65	20.19	20.16	20.68	21.24	19.74	20.28	20.25	20.77	21.33
12H	4H	19.21	19.95	19.69	20.42	20.89	19.25	20.00	19.74	20.47	20.94
	6H	19.55	20.16	20.06	20.67	21.15	19.62	20.24	20.13	20.74	21.23
	8H	19.65	20.19	20.16	20.68	21.24	19.73	20.27	20.24	20.76	21.32