

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: P997365

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

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997365
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-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

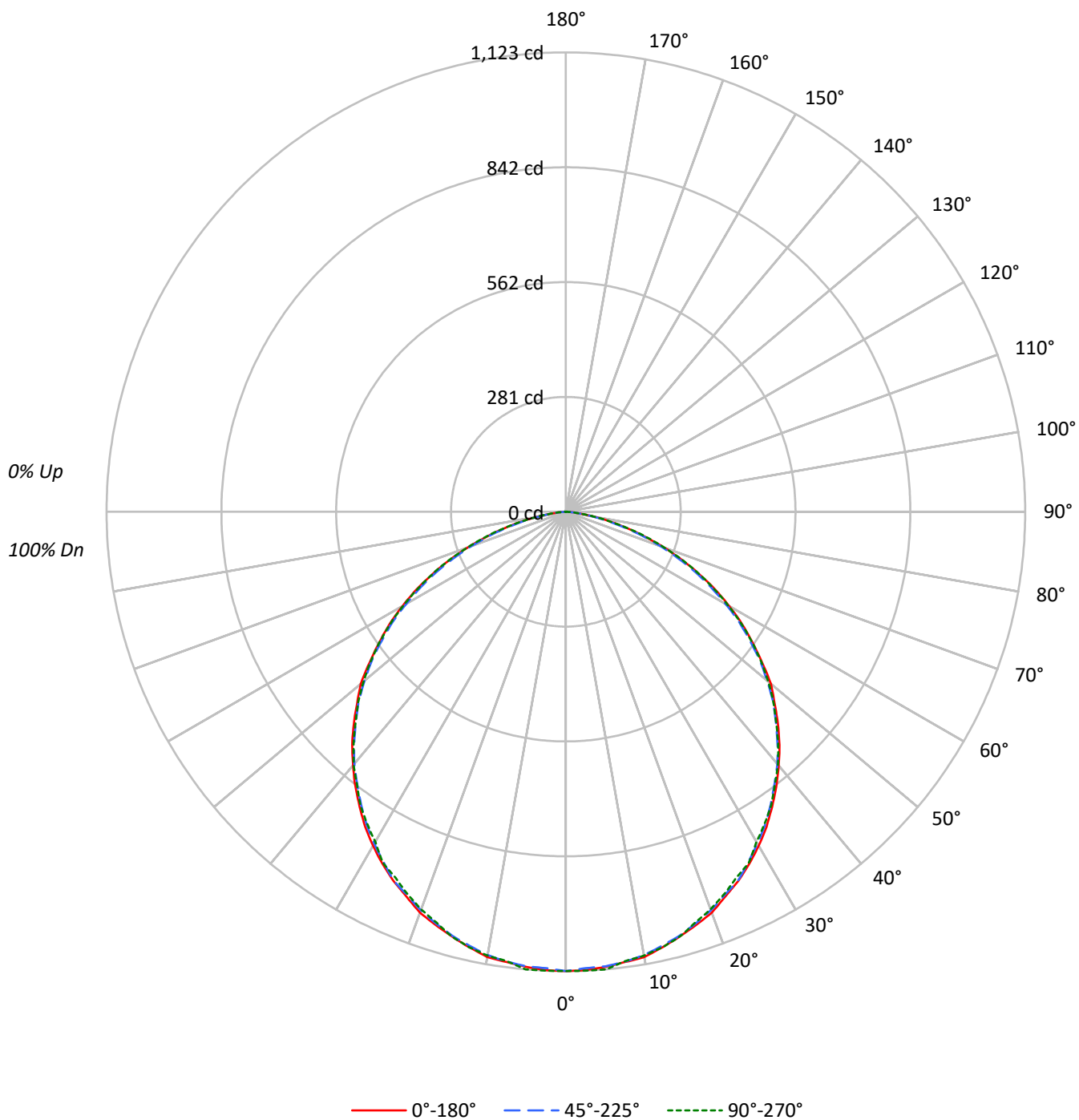
Lumens per Lamp: N/A
Luminaire Lumens: 3009.0 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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°	3679	3679	3679
5°	3673	3669	3693
10°	3678	3661	3665
15°	3648	3639	3648
20°	3637	3615	3606
25°	3603	3599	3567
30°	3568	3544	3525
35°	3517	3492	3502
40°	3462	3441	3451
45°	3397	3363	3368
50°	3336	3273	3292
55°	3182	3140	3175
60°	3020	2955	3004
65°	2779	2711	2789
70°	2441	2358	2453
75°	1976	1866	2008
80°	1343	1272	1391
85°	609	564	609

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3397 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.1	3.5
10°-20°	303.1	10.1
20°-30°	457.2	15.2
30°-40°	547.7	18.2
40°-50°	562.1	18.7
50°-60°	494.2	16.4
60°-70°	349.4	11.6
70°-80°	163.5	5.4
80°-90°	25.6	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°	866.4	28.8
0°-40°	1414.1	47.0
0°-60°	2470.5	82.1
0°-90°	3009.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3009.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1123	1123	1123	1123	1123	
5°	1117	1118	1115	1117	1123	106
15°	1075	1075	1073	1072	1075	304
25°	997	994	996	989	987	459
35°	879	879	873	873	876	550
45°	733	731	726	727	727	566
55°	557	553	550	555	556	499
65°	358	354	350	355	360	355
75°	156	150	147	155	159	167
85°	16	16	15	18	16	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1122.9	1122.9	1122.9	1122.9	1122.9
2.5°	1121.6	1120.4	1116.6	1120.4	1122.9
5°	1116.6	1117.9	1115.4	1116.6	1122.9
7.5°	1110.4	1111.6	1109.2	1109.2	1107.9
10°	1105.4	1105.4	1100.4	1100.4	1101.7
12.5°	1090.4	1092.9	1086.7	1089.2	1090.4
15°	1075.4	1075.4	1072.9	1071.7	1075.4
17.5°	1059.2	1059.2	1055.4	1055.4	1052.9
20°	1043.0	1040.5	1036.7	1033.0	1034.2
22.5°	1018.0	1019.2	1014.2	1014.2	1011.7
25°	996.7	994.2	995.5	989.2	986.7
27.5°	970.5	969.3	965.5	965.5	968.0
30°	943.0	939.3	936.8	934.3	931.8
32.5°	913.1	910.6	906.8	905.6	904.3
35°	879.3	879.3	873.1	873.1	875.6
37.5°	845.6	848.1	838.1	839.4	839.4
40°	809.4	810.6	804.4	805.6	806.9
42.5°	773.2	770.7	765.7	769.4	768.2
45°	733.2	730.7	725.7	726.9	726.9
47.5°	692.0	689.5	687.0	687.0	688.2
50°	654.5	647.0	642.0	643.3	645.8
52.5°	604.5	603.3	598.3	599.5	602.0
55°	557.1	553.3	549.6	554.6	555.8
57.5°	510.9	507.1	502.1	504.6	508.4
60°	460.9	454.7	450.9	454.7	458.4
62.5°	412.2	403.4	399.7	404.7	408.4
65°	358.5	353.5	349.7	354.7	359.7
67.5°	307.3	298.5	297.3	304.8	308.5
70°	254.8	246.1	246.1	252.3	256.1
72.5°	203.6	194.9	196.1	203.6	207.3
75°	156.1	149.9	147.4	154.9	158.6
77.5°	111.2	104.9	104.9	112.4	112.4
80°	71.2	67.4	67.4	72.4	73.7
82.5°	40.0	38.7	37.5	40.0	41.2
85°	16.2	16.2	15.0	17.5	16.2
87.5°	3.7	3.7	3.7	3.7	3.7
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	16.20	17.81	16.57	18.12	18.44	16.17	17.78	16.53	18.09	18.40
	3H	17.70	19.14	18.08	19.47	19.83	17.71	19.16	18.09	19.49	19.85
	4H	18.15	19.50	18.54	19.85	20.23	18.18	19.54	18.58	19.89	20.26
	6H	18.37	19.62	18.78	19.99	20.38	18.42	19.67	18.83	20.04	20.43
	8H	18.40	19.60	18.82	19.99	20.38	18.45	19.65	18.88	20.04	20.44
	12H	18.40	19.54	18.83	19.93	20.35	18.45	19.60	18.88	19.98	20.41
4H	2H	16.74	18.10	17.14	18.45	18.83	16.72	18.07	17.11	18.42	18.80
	3H	18.41	19.54	18.82	19.94	20.34	18.44	19.57	18.85	19.97	20.37
	4H	18.95	19.97	19.38	20.38	20.82	19.00	20.02	19.43	20.43	20.87
	6H	19.24	20.13	19.70	20.57	21.03	19.32	20.21	19.78	20.65	21.10
	8H	19.29	20.12	19.75	20.56	21.02	19.37	20.20	19.83	20.64	21.11
	12H	19.30	20.04	19.78	20.52	20.99	19.38	20.12	19.86	20.60	21.07
8H	4H	19.12	19.95	19.59	20.39	20.86	19.17	20.00	19.63	20.44	20.91
	6H	19.47	20.15	19.96	20.64	21.12	19.55	20.23	20.04	20.72	21.19
	8H	19.54	20.15	20.05	20.66	21.14	19.62	20.23	20.13	20.74	21.23
	12H	19.57	20.11	20.08	20.60	21.16	19.65	20.19	20.16	20.68	21.25
12H	4H	19.12	19.86	19.61	20.34	20.81	19.17	19.91	19.65	20.39	20.86
	6H	19.46	20.08	19.97	20.58	21.07	19.54	20.15	20.05	20.66	21.15
	8H	19.56	20.10	20.07	20.59	21.16	19.65	20.19	20.15	20.68	21.24