

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: P997335

Luminaire Tested: FSP-22-L3C3-CA125-3000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997335
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CA125-3000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

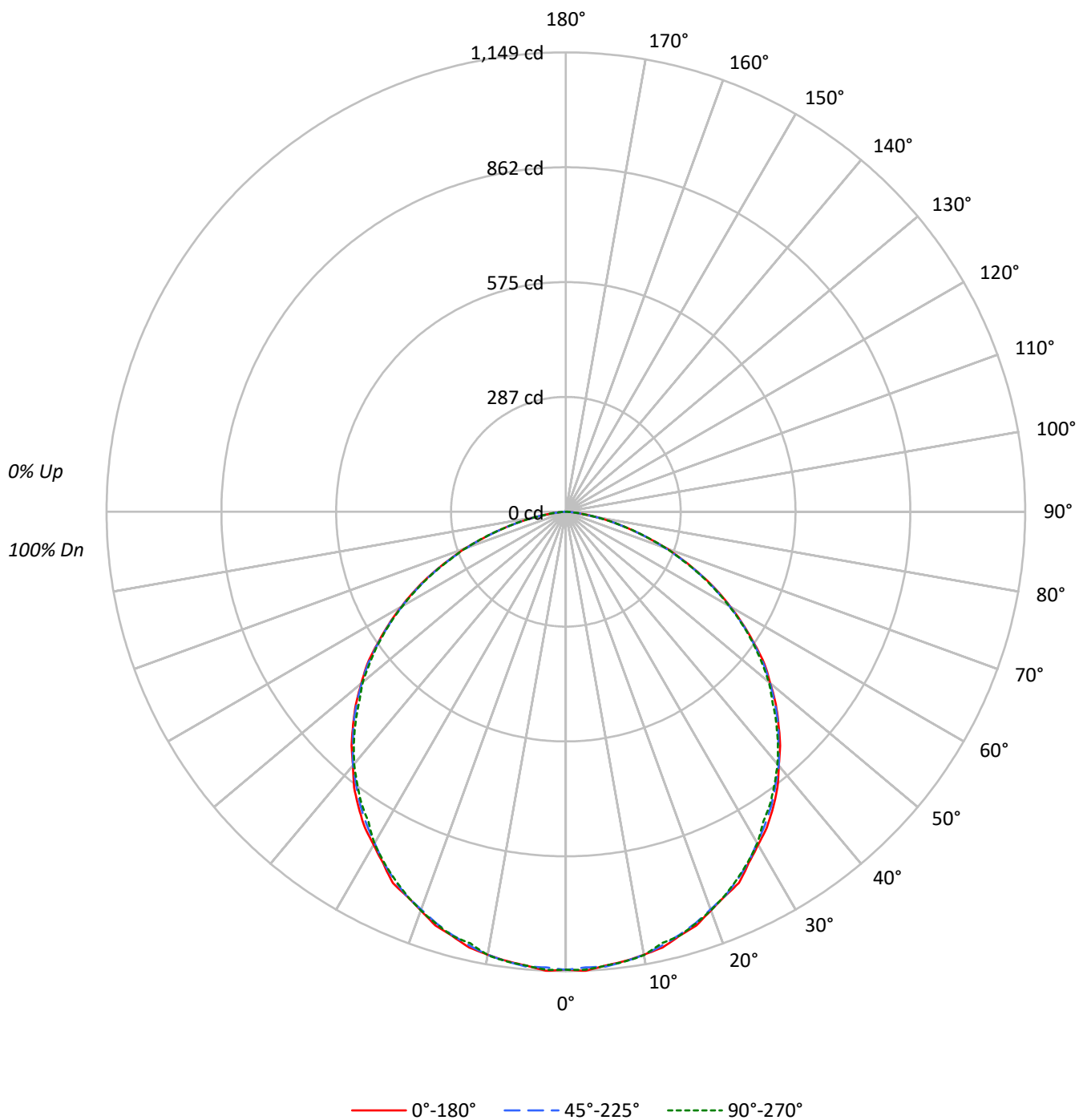
Lumens per Lamp: N/A
Luminaire Lumens: 3105.0 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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		94	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	66	89	79	72	66	76	70	65		73	68	64		71
4	83	72	63	56	81	70	62	56	68	61	55		65	59	54		63
5	77	64	55	49	75	63	55	48	61	53	48		59	52	47		57
6	71	58	49	42	69	57	48	42	55	47	42		53	47	42		52
7	66	52	44	38	64	51	43	37	50	42	37		48	42	37		47
8	61	48	39	33	60	47	39	33	46	38	33		44	38	33		43
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40
10	54	40	33	27	52	40	32	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3753	3753	3753
5°	3748	3755	3748
10°	3743	3743	3747
15°	3726	3717	3726
20°	3699	3690	3699
25°	3704	3673	3664
30°	3638	3620	3625
35°	3614	3585	3566
40°	3544	3544	3523
45°	3486	3480	3447
50°	3404	3397	3379
55°	3289	3275	3261
60°	3115	3107	3091
65°	2888	2869	2860
70°	2572	2526	2561
75°	2067	2052	2067
80°	1483	1438	1438
85°	729	729	729

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3486 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.4	3.5
10°-20°	309.5	10.0
20°-30°	467.5	15.1
30°-40°	560.6	18.1
40°-50°	577.4	18.6
50°-60°	511.3	16.5
60°-70°	365.7	11.8
70°-80°	175.1	5.6
80°-90°	29.6	1.0
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°	885.4	28.5
0°-40°	1446.0	46.6
0°-60°	2534.6	81.6
0°-90°	3105.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3105.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1146	1146	1146	1146	1146	
5°	1139	1138	1142	1139	1139	108
15°	1098	1098	1096	1096	1098	310
25°	1024	1017	1016	1012	1014	469
35°	904	899	896	894	891	564
45°	752	751	751	748	744	580
55°	576	573	573	570	571	514
65°	372	370	370	370	369	368
75°	163	163	162	162	163	176
85°	19	19	19	19	19	30
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1145.5	1145.5	1145.5	1145.5	1145.5
2.5°	1149.1	1145.5	1140.6	1144.2	1146.7
5°	1139.4	1138.2	1141.8	1139.4	1139.4
7.5°	1133.4	1135.8	1134.6	1134.6	1134.6
10°	1124.9	1124.9	1124.9	1123.7	1126.1
12.5°	1116.4	1110.4	1111.6	1111.6	1105.5
15°	1098.3	1098.3	1095.9	1095.9	1098.3
17.5°	1085.0	1082.6	1078.9	1078.9	1080.1
20°	1060.8	1060.8	1058.4	1055.9	1060.8
22.5°	1040.2	1045.1	1040.2	1035.4	1039.0
25°	1024.5	1017.2	1016.0	1012.4	1013.6
27.5°	990.6	987.0	988.2	985.8	987.0
30°	961.6	959.2	956.8	954.3	958.0
32.5°	936.2	933.8	927.7	926.5	919.3
35°	903.5	898.7	896.3	893.9	891.4
37.5°	869.7	864.8	861.2	860.0	857.6
40°	828.5	826.1	828.5	822.5	823.7
42.5°	793.5	791.1	787.4	785.0	785.0
45°	752.3	751.1	751.1	747.5	743.9
47.5°	712.4	711.2	708.8	704.0	700.3
50°	667.7	668.9	666.5	661.6	662.8
52.5°	626.6	619.3	622.9	618.1	616.9
55°	575.7	573.3	573.3	569.7	570.9
57.5°	526.2	526.2	523.7	523.7	522.5
60°	475.4	474.1	474.1	472.9	471.7
62.5°	425.8	424.6	422.1	422.1	420.9
65°	372.5	370.1	370.1	370.1	368.9
67.5°	319.3	316.9	315.7	315.7	314.5
70°	268.5	264.9	263.7	263.7	267.3
72.5°	211.7	212.9	211.7	212.9	214.1
75°	163.3	163.3	162.1	162.1	163.3
77.5°	118.5	118.5	118.5	118.5	119.7
80°	78.6	76.2	76.2	76.2	76.2
82.5°	43.5	43.5	43.5	44.8	46.0
85°	19.4	19.4	19.4	19.4	19.4
87.5°	7.3	7.3	7.3	7.3	6.0
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	16.33	17.95	16.70	18.26	18.57	16.30	17.91	16.66	18.23	18.54
	3H	17.88	19.33	18.26	19.66	20.02	17.84	19.29	18.21	19.62	19.98
	4H	18.34	19.71	18.74	20.05	20.43	18.31	19.67	18.70	20.02	20.40
	6H	18.59	19.85	19.00	20.21	20.61	18.55	19.82	18.97	20.18	20.57
	8H	18.62	19.83	19.05	20.22	20.62	18.59	19.80	19.02	20.19	20.59
	12H	18.63	19.78	19.06	20.16	20.59	18.60	19.75	19.03	20.13	20.56
4H	2H	16.90	18.27	17.30	18.62	18.99	16.87	18.24	17.27	18.59	18.96
	3H	18.63	19.77	19.04	20.17	20.57	18.60	19.74	19.01	20.13	20.53
	4H	19.19	20.21	19.62	20.63	21.06	19.16	20.18	19.59	20.60	21.04
	6H	19.52	20.41	19.97	20.85	21.31	19.49	20.38	19.94	20.82	21.28
	8H	19.57	20.40	20.03	20.85	21.31	19.55	20.38	20.01	20.82	21.29
	12H	19.59	20.34	20.07	20.81	21.28	19.57	20.31	20.05	20.79	21.26
8H	4H	19.39	20.22	19.85	20.66	21.13	19.36	20.19	19.82	20.64	21.10
	6H	19.77	20.46	20.26	20.95	21.42	19.75	20.43	20.24	20.92	21.40
	8H	19.85	20.47	20.36	20.98	21.46	19.83	20.45	20.34	20.96	21.44
	12H	19.89	20.43	20.40	20.93	21.49	19.88	20.42	20.38	20.91	21.47
12H	4H	19.39	20.14	19.87	20.61	21.08	19.36	20.11	19.84	20.58	21.05
	6H	19.77	20.39	20.28	20.90	21.38	19.75	20.36	20.26	20.87	21.36
	8H	19.89	20.43	20.39	20.92	21.48	19.87	20.41	20.38	20.90	21.46