

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: P997326

Luminaire Tested: FSP-22-L3C3-CA08-3000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-8)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CA08-3000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

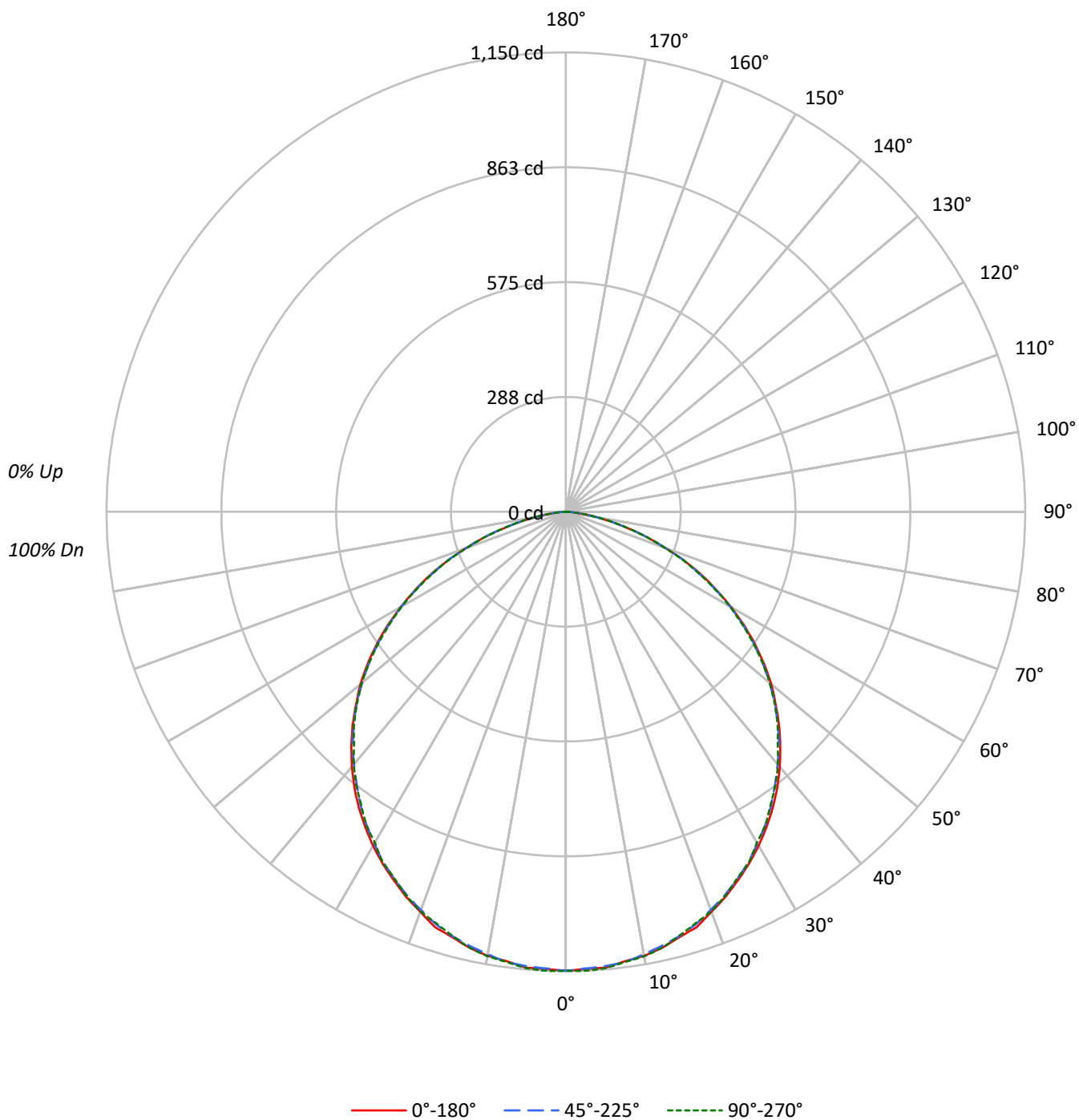
Lumens per Lamp: N/A
Luminaire Lumens: 3117.0 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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	95	98	95	92		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	63		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	41		52
7	66	52	44	37	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°	3765	3765	3765
5°	3768	3756	3772
10°	3755	3743	3759
15°	3738	3730	3726
20°	3716	3699	3712
25°	3682	3669	3665
30°	3652	3629	3620
35°	3614	3585	3576
40°	3565	3529	3534
45°	3498	3475	3475
50°	3422	3391	3397
55°	3303	3276	3268
60°	3131	3115	3107
65°	2917	2879	2869
70°	2538	2538	2526
75°	2082	2067	2067
80°	1483	1438	1506
85°	774	774	774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3498 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.6	3.5
10°-20°	310.4	10.0
20°-30°	468.4	15.0
30°-40°	562.4	18.0
40°-50°	579.7	18.6
50°-60°	513.5	16.5
60°-70°	367.8	11.8
70°-80°	175.6	5.6
80°-90°	30.6	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°	887.3	28.5
0°-40°	1449.7	46.5
0°-60°	2543.0	81.6
0°-90°	3117.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3117.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1149	1149	1149	1149	1149	
5°	1146	1142	1142	1143	1147	109
15°	1102	1103	1100	1097	1098	311
25°	1018	1017	1015	1015	1014	470
35°	904	904	896	899	894	565
45°	755	755	750	749	750	582
55°	578	581	573	573	572	516
65°	376	374	371	370	370	370
75°	164	161	163	166	163	176
85°	21	22	21	21	21	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1149.1	1149.1	1149.1	1149.1	1149.1
2.5°	1145.5	1145.5	1144.3	1146.7	1150.3
5°	1145.5	1141.9	1141.9	1143.1	1146.7
7.5°	1134.6	1135.8	1137.0	1134.6	1137.0
10°	1128.6	1126.2	1124.9	1127.4	1129.8
12.5°	1117.7	1115.3	1112.8	1115.3	1117.7
15°	1102.0	1103.2	1099.5	1097.1	1098.3
17.5°	1089.9	1082.6	1082.6	1081.4	1080.2
20°	1065.7	1063.3	1060.8	1062.0	1064.5
22.5°	1043.9	1042.7	1039.1	1040.3	1041.5
25°	1018.5	1017.3	1014.9	1014.9	1013.7
27.5°	993.1	991.9	989.5	988.3	990.7
30°	965.3	966.5	959.2	959.2	956.8
32.5°	935.0	935.0	929.0	926.6	930.2
35°	903.6	903.6	896.3	898.7	893.9
37.5°	869.7	872.1	860.0	863.7	862.5
40°	833.4	831.0	825.0	832.2	826.2
42.5°	794.7	798.3	789.9	789.9	785.0
45°	754.8	754.8	750.0	748.8	750.0
47.5°	712.5	713.7	710.0	711.3	708.8
50°	671.3	670.1	665.3	664.1	666.5
52.5°	625.4	626.6	620.5	621.7	620.5
55°	578.2	580.6	573.4	573.4	572.1
57.5°	528.6	528.6	525.0	525.0	522.6
60°	477.8	481.4	475.4	475.4	474.2
62.5°	425.8	425.8	423.4	424.6	422.2
65°	376.2	373.8	371.4	370.1	370.1
67.5°	321.8	319.3	321.8	318.1	319.3
70°	264.9	266.1	264.9	264.9	263.7
72.5°	214.1	214.1	215.3	214.1	214.1
75°	164.5	160.9	163.3	165.7	163.3
77.5°	116.1	116.1	118.5	118.5	119.8
80°	78.6	76.2	76.2	78.6	79.8
82.5°	43.5	44.8	44.8	44.8	44.8
85°	20.6	21.8	20.6	20.6	20.6
87.5°	9.7	9.7	8.5	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	16.36	17.97	16.72	18.28	18.60	16.30	17.91	16.67	18.23	18.54
	3H	17.90	19.35	18.27	19.68	20.04	17.85	19.30	18.22	19.63	19.99
	4H	18.36	19.72	18.75	20.07	20.45	18.32	19.68	18.72	20.03	20.41
	6H	18.59	19.85	19.00	20.22	20.61	18.57	19.83	18.98	20.20	20.59
	8H	18.63	19.83	19.05	20.22	20.62	18.61	19.82	19.04	20.21	20.61
	12H	18.63	19.79	19.06	20.17	20.60	18.62	19.77	19.05	20.15	20.58
4H	2H	16.92	18.29	17.32	18.64	19.01	16.88	18.24	17.28	18.59	18.97
	3H	18.65	19.79	19.06	20.19	20.59	18.61	19.75	19.02	20.15	20.55
	4H	19.20	20.22	19.63	20.64	21.07	19.18	20.21	19.61	20.62	21.06
	6H	19.51	20.41	19.97	20.85	21.30	19.52	20.41	19.97	20.85	21.31
	8H	19.57	20.40	20.03	20.85	21.31	19.57	20.41	20.04	20.85	21.32
	12H	19.59	20.34	20.07	20.81	21.28	19.60	20.34	20.08	20.82	21.29
8H	4H	19.40	20.23	19.86	20.67	21.14	19.38	20.21	19.84	20.66	21.12
	6H	19.77	20.46	20.26	20.95	21.42	19.77	20.46	20.27	20.95	21.43
	8H	19.85	20.47	20.36	20.98	21.46	19.86	20.48	20.37	20.99	21.47
	12H	19.90	20.44	20.41	20.93	21.50	19.91	20.45	20.41	20.94	21.50
12H	4H	19.40	20.15	19.88	20.62	21.09	19.38	20.13	19.86	20.60	21.07
	6H	19.77	20.39	20.28	20.90	21.38	19.77	20.39	20.29	20.90	21.39
	8H	19.89	20.43	20.40	20.92	21.49	19.90	20.44	20.40	20.93	21.49