

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: P997329

Luminaire Tested: FSP-22-L3C3-CA08-3500K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997329
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-CA08-3500K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

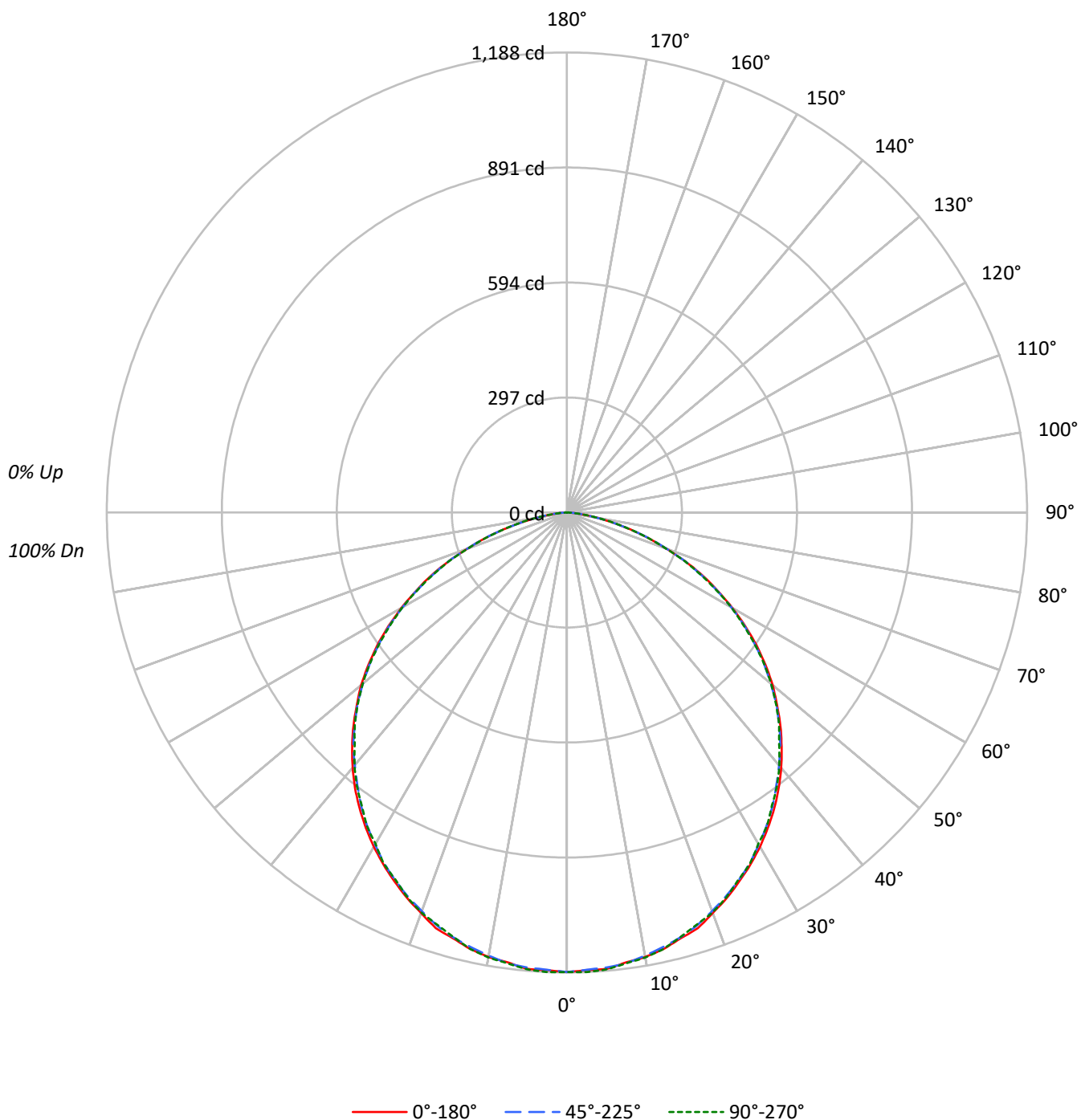
Lumens per Lamp: N/A
Luminaire Lumens: 3219.0 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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°	3888	3888	3888
5°	3891	3878	3895
10°	3878	3865	3882
15°	3860	3852	3848
20°	3837	3820	3833
25°	3803	3789	3784
30°	3772	3748	3738
35°	3733	3703	3693
40°	3681	3644	3649
45°	3612	3589	3589
50°	3534	3502	3509
55°	3411	3382	3375
60°	3233	3217	3209
65°	3012	2973	2964
70°	2621	2621	2609
75°	2151	2134	2134
80°	1532	1485	1555
85°	797	797	797

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3612 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.1	3.5
10°-20°	320.5	10.0
20°-30°	483.7	15.0
30°-40°	580.8	18.0
40°-50°	598.7	18.6
50°-60°	530.3	16.5
60°-70°	379.8	11.8
70°-80°	181.4	5.6
80°-90°	31.6	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°	916.4	28.5
0°-40°	1497.2	46.5
0°-60°	2626.2	81.6
0°-90°	3219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3219.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1187	1187	1187	1187	1187	
5°	1183	1179	1179	1180	1184	112
15°	1138	1139	1136	1133	1134	322
25°	1052	1051	1048	1048	1047	485
35°	933	933	926	928	923	583
45°	780	780	774	773	774	601
55°	597	600	592	592	591	533
65°	388	386	384	382	382	382
75°	170	166	169	171	169	181
85°	21	22	21	21	21	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1186.7	1186.7	1186.7	1186.7	1186.7
2.5°	1183.0	1183.0	1181.7	1184.2	1188.0
5°	1183.0	1179.2	1179.2	1180.5	1184.2
7.5°	1171.7	1173.0	1174.2	1171.7	1174.2
10°	1165.5	1163.0	1161.8	1164.3	1166.8
12.5°	1154.3	1151.8	1149.3	1151.8	1154.3
15°	1138.0	1139.3	1135.5	1133.0	1134.3
17.5°	1125.5	1118.0	1118.0	1116.8	1115.5
20°	1100.5	1098.0	1095.5	1096.8	1099.3
22.5°	1078.1	1076.8	1073.1	1074.3	1075.6
25°	1051.8	1050.6	1048.1	1048.1	1046.8
27.5°	1025.6	1024.3	1021.8	1020.6	1023.1
30°	996.9	998.1	990.6	990.6	988.1
32.5°	965.6	965.6	959.4	956.9	960.6
35°	933.2	933.2	925.7	928.2	923.2
37.5°	898.2	900.7	888.2	891.9	890.7
40°	860.7	858.2	852.0	859.4	853.2
42.5°	820.7	824.5	815.7	815.7	810.7
45°	779.5	779.5	774.5	773.3	774.5
47.5°	735.8	737.0	733.3	734.5	732.0
50°	693.3	692.1	687.1	685.8	688.3
52.5°	645.8	647.1	640.8	642.1	640.8
55°	597.1	599.6	592.1	592.1	590.9
57.5°	545.9	545.9	542.2	542.2	539.7
60°	493.4	497.2	490.9	490.9	489.7
62.5°	439.7	439.7	437.2	438.5	436.0
65°	388.5	386.0	383.5	382.3	382.3
67.5°	332.3	329.8	332.3	328.5	329.8
70°	273.6	274.8	273.6	273.6	272.3
72.5°	221.1	221.1	222.4	221.1	221.1
75°	169.9	166.1	168.6	171.1	168.6
77.5°	119.9	119.9	122.4	122.4	123.7
80°	81.2	78.7	78.7	81.2	82.4
82.5°	45.0	46.2	46.2	46.2	46.2
85°	21.2	22.5	21.2	21.2	21.2
87.5°	10.0	10.0	8.7	7.5	6.2
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	16.47	18.08	16.83	18.39	18.71	16.41	18.03	16.78	18.34	18.65
	3H	18.01	19.46	18.38	19.79	20.15	17.96	19.41	18.34	19.74	20.10
	4H	18.47	19.83	18.87	20.18	20.56	18.43	19.80	18.83	20.14	20.52
	6H	18.70	19.97	19.11	20.33	20.72	18.68	19.95	19.09	20.31	20.70
	8H	18.74	19.95	19.16	20.33	20.73	18.72	19.93	19.15	20.32	20.72
	12H	18.74	19.90	19.17	20.28	20.71	18.73	19.88	19.16	20.26	20.69
4H	2H	17.03	18.40	17.43	18.75	19.12	16.99	18.36	17.39	18.70	19.08
	3H	18.76	19.90	19.17	20.30	20.70	18.72	19.86	19.13	20.26	20.66
	4H	19.31	20.33	19.74	20.75	21.19	19.29	20.32	19.72	20.73	21.17
	6H	19.62	20.52	20.08	20.96	21.42	19.63	20.52	20.08	20.96	21.42
	8H	19.68	20.51	20.14	20.96	21.42	19.69	20.52	20.15	20.96	21.43
	12H	19.70	20.45	20.18	20.92	21.39	19.71	20.45	20.19	20.93	21.40
8H	4H	19.51	20.34	19.97	20.78	21.25	19.49	20.33	19.95	20.77	21.23
	6H	19.88	20.57	20.37	21.06	21.53	19.89	20.58	20.38	21.06	21.54
	8H	19.96	20.58	20.47	21.09	21.57	19.97	20.59	20.48	21.10	21.58
	12H	20.01	20.55	20.52	21.04	21.61	20.02	20.56	20.52	21.05	21.61
12H	4H	19.51	20.26	19.99	20.73	21.20	19.49	20.24	19.97	20.72	21.19
	6H	19.88	20.50	20.39	21.01	21.49	19.89	20.51	20.40	21.01	21.50
	8H	20.00	20.54	20.51	21.03	21.60	20.01	20.55	20.52	21.04	21.61

END OF REPORT

FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

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