

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: P997334

Luminaire Tested: FSP-22-L3C3-CA08-4000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997334
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-CA08-4000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

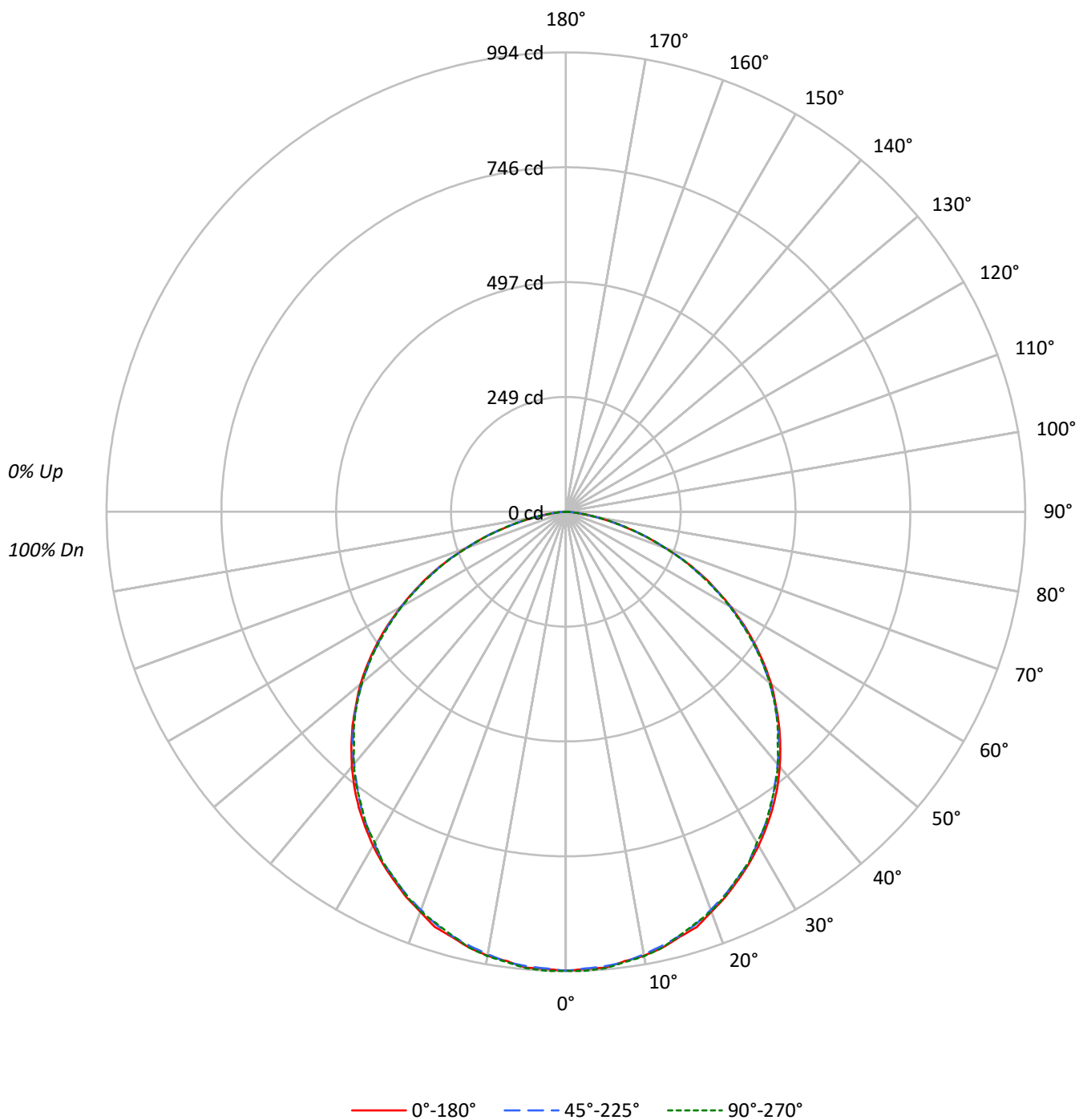
Lumens per Lamp: N/A
Luminaire Lumens: 2694.0 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

Input Watts (W): 24.1
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°	3254	3254	3254
5°	3256	3246	3260
10°	3245	3235	3249
15°	3231	3224	3220
20°	3212	3197	3208
25°	3183	3171	3167
30°	3157	3137	3129
35°	3124	3099	3090
40°	3081	3050	3054
45°	3023	3004	3004
50°	2957	2931	2936
55°	2855	2831	2825
60°	2706	2693	2685
65°	2520	2489	2480
70°	2194	2194	2183
75°	1800	1786	1786
80°	1283	1243	1302
85°	669	669	669

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3023 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.8	3.5
10°-20°	268.3	10.0
20°-30°	404.8	15.0
30°-40°	486.1	18.0
40°-50°	501.1	18.6
50°-60°	443.8	16.5
60°-70°	317.9	11.8
70°-80°	151.8	5.6
80°-90°	26.5	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°	766.9	28.5
0°-40°	1253.0	46.5
0°-60°	2197.8	81.6
0°-90°	2694.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2694.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	993	993	993	993	993	
5°	990	987	987	988	991	94
15°	952	954	950	948	949	269
25°	880	879	877	877	876	406
35°	781	781	775	777	773	488
45°	652	652	648	647	648	503
55°	500	502	496	496	494	446
65°	325	323	321	320	320	320
75°	142	139	141	143	141	152
85°	18	19	18	18	18	27
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	993.2	993.2	993.2	993.2	993.2
2.5°	990.1	990.1	989.0	991.1	994.2
5°	990.1	986.9	986.9	988.0	991.1
7.5°	980.6	981.7	982.7	980.6	982.7
10°	975.4	973.3	972.3	974.4	976.5
12.5°	966.0	963.9	961.8	963.9	966.0
15°	952.4	953.5	950.3	948.2	949.3
17.5°	942.0	935.7	935.7	934.6	933.6
20°	921.1	919.0	916.9	917.9	920.0
22.5°	902.2	901.2	898.1	899.1	900.1
25°	880.3	879.2	877.1	877.1	876.1
27.5°	858.3	857.3	855.2	854.1	856.2
30°	834.3	835.3	829.1	829.1	827.0
32.5°	808.1	808.1	802.9	800.8	804.0
35°	781.0	781.0	774.7	776.8	772.6
37.5°	751.7	753.8	743.3	746.5	745.4
40°	720.3	718.2	713.0	719.3	714.1
42.5°	686.9	690.0	682.7	682.7	678.5
45°	652.4	652.4	648.2	647.1	648.2
47.5°	615.8	616.8	613.7	614.7	612.6
50°	580.2	579.2	575.0	574.0	576.0
52.5°	540.5	541.5	536.3	537.4	536.3
55°	499.7	501.8	495.5	495.5	494.5
57.5°	456.9	456.9	453.7	453.7	451.6
60°	413.0	416.1	410.9	410.9	409.8
62.5°	368.0	368.0	365.9	367.0	364.9
65°	325.1	323.0	321.0	319.9	319.9
67.5°	278.1	276.0	278.1	275.0	276.0
70°	229.0	230.0	229.0	229.0	227.9
72.5°	185.0	185.0	186.1	185.0	185.0
75°	142.2	139.0	141.1	143.2	141.1
77.5°	100.4	100.4	102.5	102.5	103.5
80°	68.0	65.9	65.9	68.0	69.0
82.5°	37.6	38.7	38.7	38.7	38.7
85°	17.8	18.8	17.8	17.8	17.8
87.5°	8.4	8.4	7.3	6.3	5.2
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	15.85	17.46	16.21	17.78	18.09	15.79	17.41	16.16	17.72	18.03
	3H	17.39	18.84	17.77	19.17	19.53	17.34	18.79	17.72	19.12	19.48
	4H	17.85	19.22	18.25	19.56	19.94	17.81	19.18	18.21	19.52	19.90
	6H	18.08	19.35	18.50	19.71	20.10	18.06	19.33	18.47	19.69	20.08
	8H	18.12	19.33	18.55	19.72	20.12	18.10	19.31	18.53	19.70	20.10
	12H	18.13	19.28	18.56	19.66	20.09	18.11	19.26	18.54	19.65	20.07
4H	2H	16.42	17.78	16.81	18.13	18.51	16.37	17.74	16.77	18.08	18.46
	3H	18.14	19.28	18.55	19.68	20.08	18.10	19.24	18.51	19.64	20.04
	4H	18.69	19.72	19.12	20.13	20.57	18.67	19.70	19.10	20.11	20.55
	6H	19.01	19.90	19.46	20.34	20.80	19.01	19.90	19.46	20.34	20.80
	8H	19.06	19.90	19.52	20.34	20.80	19.07	19.90	19.53	20.34	20.81
	12H	19.08	19.83	19.56	20.31	20.78	19.09	19.84	19.57	20.31	20.78
8H	4H	18.89	19.72	19.35	20.17	20.63	18.87	19.71	19.33	20.15	20.62
	6H	19.26	19.95	19.76	20.44	20.92	19.27	19.96	19.76	20.45	20.92
	8H	19.35	19.96	19.86	20.47	20.96	19.35	19.97	19.87	20.48	20.97
	12H	19.39	19.94	19.90	20.43	20.99	19.40	19.94	19.91	20.43	21.00
12H	4H	18.89	19.64	19.37	20.11	20.58	18.87	19.62	19.36	20.10	20.57
	6H	19.26	19.88	19.77	20.39	20.88	19.27	19.89	19.78	20.39	20.88
	8H	19.38	19.93	19.89	20.42	20.98	19.39	19.93	19.90	20.43	20.99