

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: P997333

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

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997333
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-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

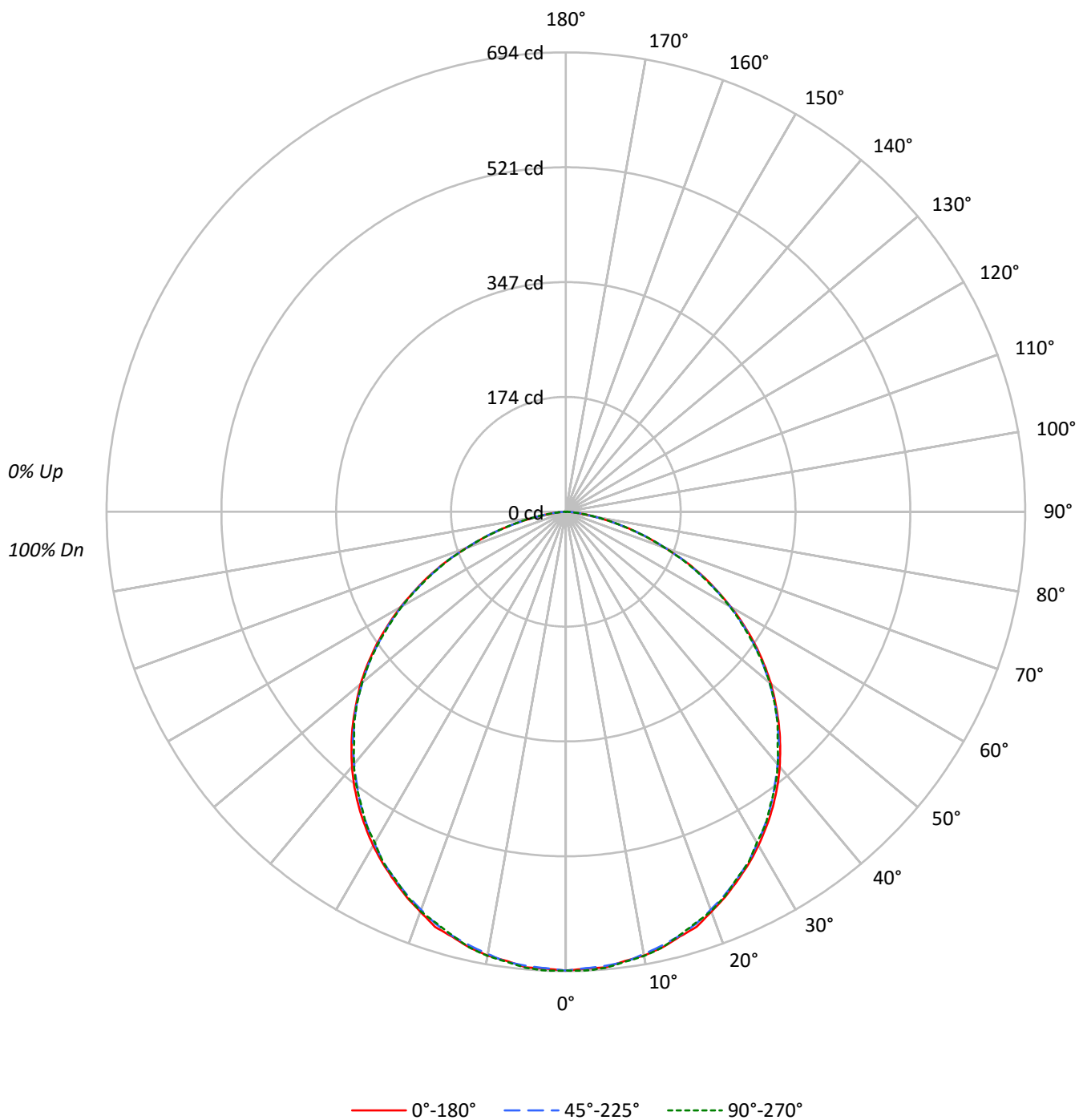
Lumens per Lamp: N/A
Luminaire Lumens: 1880.0 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

Input Watts (W): 16
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°	2271	2271	2271
5°	2272	2265	2275
10°	2265	2257	2267
15°	2254	2250	2247
20°	2241	2231	2239
25°	2221	2213	2210
30°	2203	2189	2183
35°	2180	2162	2157
40°	2150	2128	2131
45°	2110	2096	2096
50°	2064	2046	2049
55°	1992	1975	1971
60°	1889	1879	1874
65°	1759	1737	1730
70°	1531	1531	1523
75°	1256	1247	1247
80°	894	868	909
85°	466	466	466

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2110 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.5	3.5
10°-20°	187.2	10.0
20°-30°	282.5	15.0
30°-40°	339.2	18.0
40°-50°	349.7	18.6
50°-60°	309.7	16.5
60°-70°	221.8	11.8
70°-80°	105.9	5.6
80°-90°	18.5	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°	535.2	28.5
0°-40°	874.4	46.5
0°-60°	1533.8	81.6
0°-90°	1880.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1880.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	693	693	693	693	693	
5°	691	689	689	689	692	66
15°	665	665	663	662	662	188
25°	614	614	612	612	611	283
35°	545	545	541	542	539	341
45°	455	455	452	452	452	351
55°	349	350	346	346	345	311
65°	227	225	224	223	223	223
75°	99	97	98	100	98	106
85°	12	13	12	12	12	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	693.1	693.1	693.1	693.1	693.1
2.5°	690.9	690.9	690.2	691.6	693.8
5°	690.9	688.7	688.7	689.4	691.6
7.5°	684.3	685.1	685.8	684.3	685.8
10°	680.7	679.2	678.5	680.0	681.4
12.5°	674.1	672.7	671.2	672.7	674.1
15°	664.6	665.4	663.2	661.7	662.5
17.5°	657.3	653.0	653.0	652.2	651.5
20°	642.8	641.3	639.8	640.6	642.0
22.5°	629.6	628.9	626.7	627.4	628.2
25°	614.3	613.6	612.1	612.1	611.4
27.5°	599.0	598.2	596.8	596.1	597.5
30°	582.2	582.9	578.6	578.6	577.1
32.5°	564.0	564.0	560.3	558.9	561.0
35°	545.0	545.0	540.6	542.1	539.2
37.5°	524.6	526.0	518.7	520.9	520.2
40°	502.7	501.2	497.6	501.9	498.3
42.5°	479.3	481.5	476.4	476.4	473.5
45°	455.3	455.3	452.3	451.6	452.3
47.5°	429.7	430.4	428.3	429.0	427.5
50°	404.9	404.2	401.3	400.5	402.0
52.5°	377.2	377.9	374.3	375.0	374.3
55°	348.7	350.2	345.8	345.8	345.1
57.5°	318.8	318.8	316.6	316.6	315.2
60°	288.2	290.4	286.7	286.7	286.0
62.5°	256.8	256.8	255.4	256.1	254.6
65°	226.9	225.4	224.0	223.2	223.2
67.5°	194.1	192.6	194.1	191.9	192.6
70°	159.8	160.5	159.8	159.8	159.0
72.5°	129.1	129.1	129.9	129.1	129.1
75°	99.2	97.0	98.5	100.0	98.5
77.5°	70.0	70.0	71.5	71.5	72.2
80°	47.4	46.0	46.0	47.4	48.2
82.5°	26.3	27.0	27.0	27.0	27.0
85°	12.4	13.1	12.4	12.4	12.4
87.5°	5.8	5.8	5.1	4.4	3.6
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	14.60	16.21	14.96	16.53	16.84	14.54	16.16	14.91	16.47	16.78
	3H	16.14	17.59	16.52	17.92	18.28	16.09	17.54	16.47	17.87	18.23
	4H	16.60	17.96	17.00	18.31	18.69	16.56	17.93	16.96	18.27	18.65
	6H	16.83	18.10	17.24	18.46	18.85	16.81	18.08	17.22	18.44	18.83
	8H	16.87	18.08	17.30	18.47	18.86	16.85	18.06	17.28	18.45	18.85
	12H	16.88	18.03	17.30	18.41	18.84	16.86	18.01	17.29	18.40	18.82
4H	2H	15.16	16.53	15.56	16.88	17.25	15.12	16.49	15.52	16.83	17.21
	3H	16.89	18.03	17.30	18.43	18.83	16.85	17.99	17.26	18.39	18.79
	4H	17.44	18.47	17.87	18.88	19.32	17.42	18.45	17.85	18.86	19.30
	6H	17.76	18.65	18.21	19.09	19.55	17.76	18.65	18.21	19.09	19.55
	8H	17.81	18.65	18.27	19.09	19.55	17.82	18.65	18.28	19.09	19.56
	12H	17.83	18.58	18.31	19.06	19.53	17.84	18.59	18.32	19.06	19.53
8H	4H	17.64	18.47	18.10	18.92	19.38	17.62	18.46	18.08	18.90	19.37
	6H	18.01	18.70	18.51	19.19	19.67	18.02	18.71	18.51	19.20	19.67
	8H	18.09	18.71	18.61	19.22	19.71	18.10	18.72	18.62	19.23	19.72
	12H	18.14	18.69	18.65	19.18	19.74	18.15	18.69	18.66	19.18	19.75
12H	4H	17.64	18.39	18.12	18.86	19.33	17.62	18.37	18.11	18.85	19.32
	6H	18.01	18.63	18.52	19.14	19.63	18.02	18.64	18.53	19.14	19.63
	8H	18.13	18.68	18.64	19.17	19.73	18.14	18.68	18.65	19.18	19.74