

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: P997360

Luminaire Tested: FSP-22-L3C3-CP187-4000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997360
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-11)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CP187-4000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

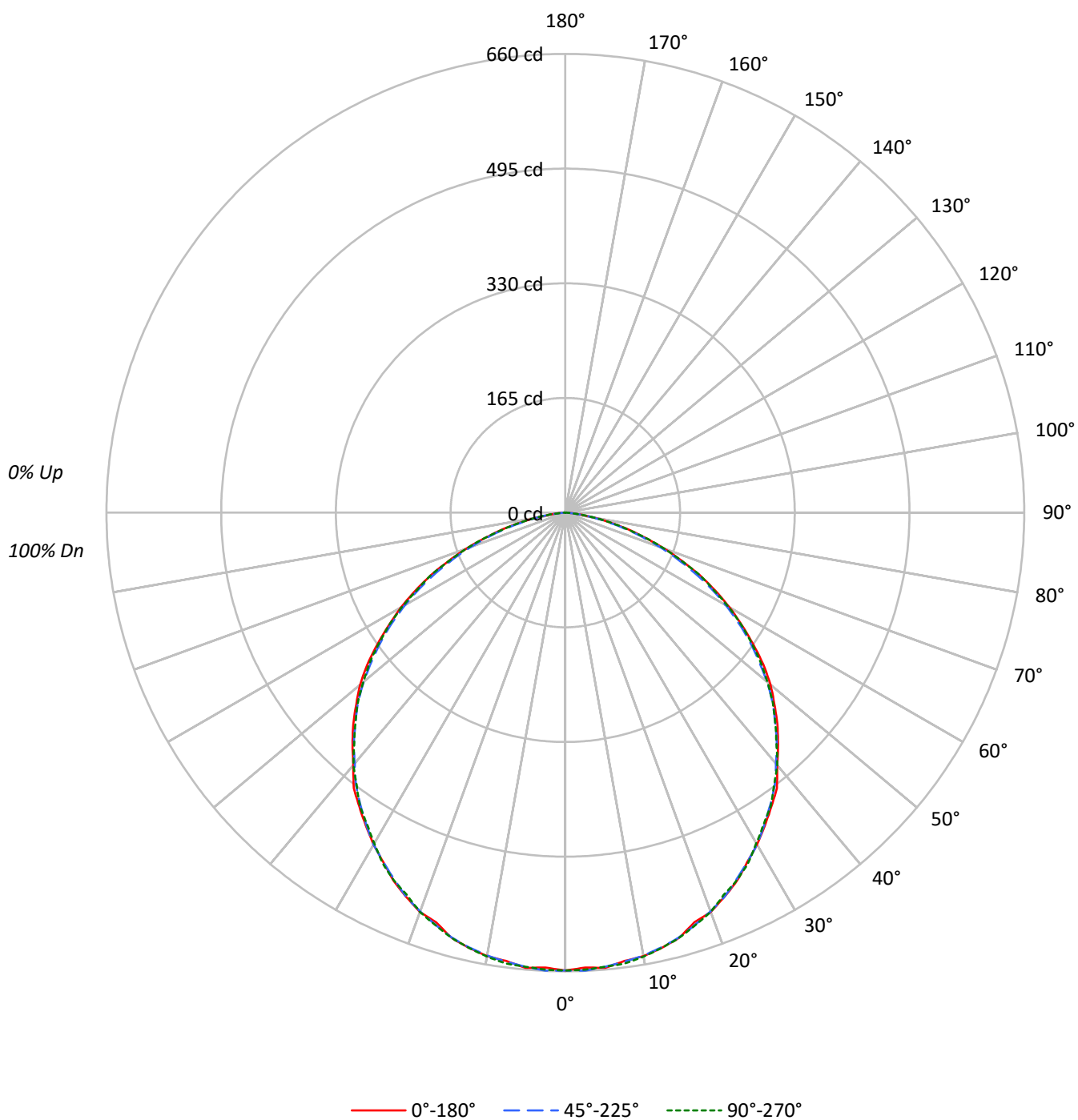
Lumens per Lamp: N/A
Luminaire Lumens: 1772.0 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P997360

CATALOG NUMBER: FSP-22-L3C3-CP187-4000K-LOW

Luminous Intensity Polar Plot



TEST NUMBER: P997360

CATALOG NUMBER: FSP-22-L3C3-CP187-4000K-LOW

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52		
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39		
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35		
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31		
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	27	52	40	33	27	39	32	27	38	32	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2159	2159	2159
5°	2162	2157	2157
10°	2155	2153	2158
15°	2148	2146	2148
20°	2131	2129	2131
25°	2113	2105	2110
30°	2087	2087	2078
35°	2066	2054	2060
40°	2028	2016	2028
45°	1998	1978	1978
50°	1964	1930	1934
55°	1883	1850	1867
60°	1788	1745	1774
65°	1658	1589	1658
70°	1453	1383	1447
75°	1191	1108	1163
80°	811	772	826
85°	357	383	383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1998 cd/sqm

TEST NUMBER: P997360

CATALOG NUMBER: FSP-22-L3C3-CP187-4000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.4	3.5
10°-20°	178.4	10.1
20°-30°	268.7	15.2
30°-40°	321.9	18.2
40°-50°	330.5	18.6
50°-60°	291.1	16.4
60°-70°	206.5	11.7
70°-80°	97.3	5.5
80°-90°	15.4	0.9
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°	509.5	28.8
0°-40°	831.3	46.9
0°-60°	1452.8	82.0
0°-90°	1772.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1772.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	659	659	659	659	659	
5°	657	659	656	656	656	62
15°	633	632	632	632	633	178
25°	584	584	582	584	584	269
35°	516	515	514	514	515	323
45°	431	430	427	429	427	332
55°	330	327	324	326	327	295
65°	214	208	205	210	214	210
75°	94	90	88	92	92	100
85°	10	10	10	10	10	15
90°	0	0	0	0	0	

TEST NUMBER: P997360

CATALOG NUMBER: FSP-22-L3C3-CP187-4000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	658.8	658.8	658.8	658.8	658.8
2.5°	655.1	660.2	659.5	658.0	658.0
5°	657.3	658.8	655.8	655.8	655.8
7.5°	650.7	653.7	651.5	651.5	654.4
10°	647.8	649.3	647.1	647.1	648.5
12.5°	641.3	642.0	640.5	640.5	641.3
15°	633.2	631.8	632.5	632.5	633.2
17.5°	617.9	623.7	621.6	623.7	622.3
20°	611.3	612.1	610.6	609.9	611.3
22.5°	598.2	596.0	598.2	596.8	595.3
25°	584.4	584.4	582.2	583.6	583.6
27.5°	566.8	567.6	566.8	566.8	569.0
30°	551.5	551.5	551.5	550.8	549.3
32.5°	534.0	534.0	532.6	533.3	531.1
35°	516.5	515.0	513.6	513.6	515.0
37.5°	499.7	496.8	494.6	494.6	493.2
40°	474.2	475.7	471.3	472.0	474.2
42.5°	453.0	453.0	450.1	452.3	449.4
45°	431.2	429.7	426.8	429.0	426.8
47.5°	407.8	405.6	404.2	403.4	404.9
50°	385.2	380.1	378.6	379.4	379.4
52.5°	358.9	353.8	350.9	353.1	354.5
55°	329.7	326.8	323.9	326.1	326.8
57.5°	300.6	297.6	295.5	296.9	299.8
60°	272.8	268.5	266.3	269.2	270.7
62.5°	242.9	238.6	236.4	240.7	240.0
65°	213.8	207.9	205.0	210.1	213.8
67.5°	181.7	178.0	174.4	179.5	180.2
70°	151.7	145.9	144.4	151.0	151.0
72.5°	120.4	118.2	115.3	120.4	121.8
75°	94.1	89.7	87.5	91.9	91.9
77.5°	66.4	64.2	62.7	66.4	67.8
80°	43.0	40.9	40.9	42.3	43.8
82.5°	23.3	23.3	22.6	24.1	24.8
85°	9.5	9.5	10.2	10.2	10.2
87.5°	2.2	2.2	2.2	2.2	2.2
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997360

CATALOG NUMBER: FSP-22-L3C3-CP187-4000K-LOW

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	14.34	15.95	14.71	16.26	16.58	14.33	15.93	14.69	16.25	16.56
	3H	15.87	17.32	16.25	17.64	18.00	15.87	17.32	16.25	17.65	18.01
	4H	16.33	17.69	16.73	18.04	18.41	16.34	17.70	16.74	18.04	18.42
	6H	16.56	17.82	16.97	18.19	18.58	16.58	17.84	16.99	18.20	18.60
	8H	16.59	17.79	17.02	18.18	18.58	16.62	17.82	17.04	18.21	18.61
	12H	16.59	17.74	17.02	18.12	18.55	16.62	17.77	17.05	18.15	18.58
4H	2H	14.88	16.24	15.28	16.59	16.97	14.87	16.23	15.27	16.58	16.95
	3H	16.58	17.72	16.99	18.11	18.52	16.60	17.74	17.01	18.13	18.53
	4H	17.14	18.16	17.57	18.57	19.01	17.16	18.18	17.59	18.60	19.03
	6H	17.45	18.33	17.90	18.77	19.23	17.49	18.38	17.94	18.82	19.27
	8H	17.49	18.32	17.95	18.76	19.23	17.54	18.37	18.00	18.81	19.28
	12H	17.50	18.25	17.98	18.72	19.19	17.56	18.30	18.04	18.78	19.24
8H	4H	17.32	18.14	17.78	18.59	19.05	17.34	18.17	17.80	18.61	19.08
	6H	17.68	18.36	18.17	18.85	19.33	17.72	18.40	18.21	18.89	19.37
	8H	17.75	18.36	18.26	18.87	19.36	17.80	18.41	18.31	18.92	19.40
	12H	17.78	18.32	18.29	18.81	19.37	17.83	18.37	18.34	18.86	19.43
12H	4H	17.32	18.06	17.80	18.54	19.01	17.34	18.08	17.82	18.56	19.03
	6H	17.67	18.29	18.19	18.80	19.28	17.71	18.33	18.23	18.84	19.32
	8H	17.78	18.32	18.29	18.81	19.37	17.83	18.37	18.33	18.86	19.42