

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: P997354

Luminaire Tested: FSP-22-L3C3-CP187-3000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997354
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-CP187-3000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

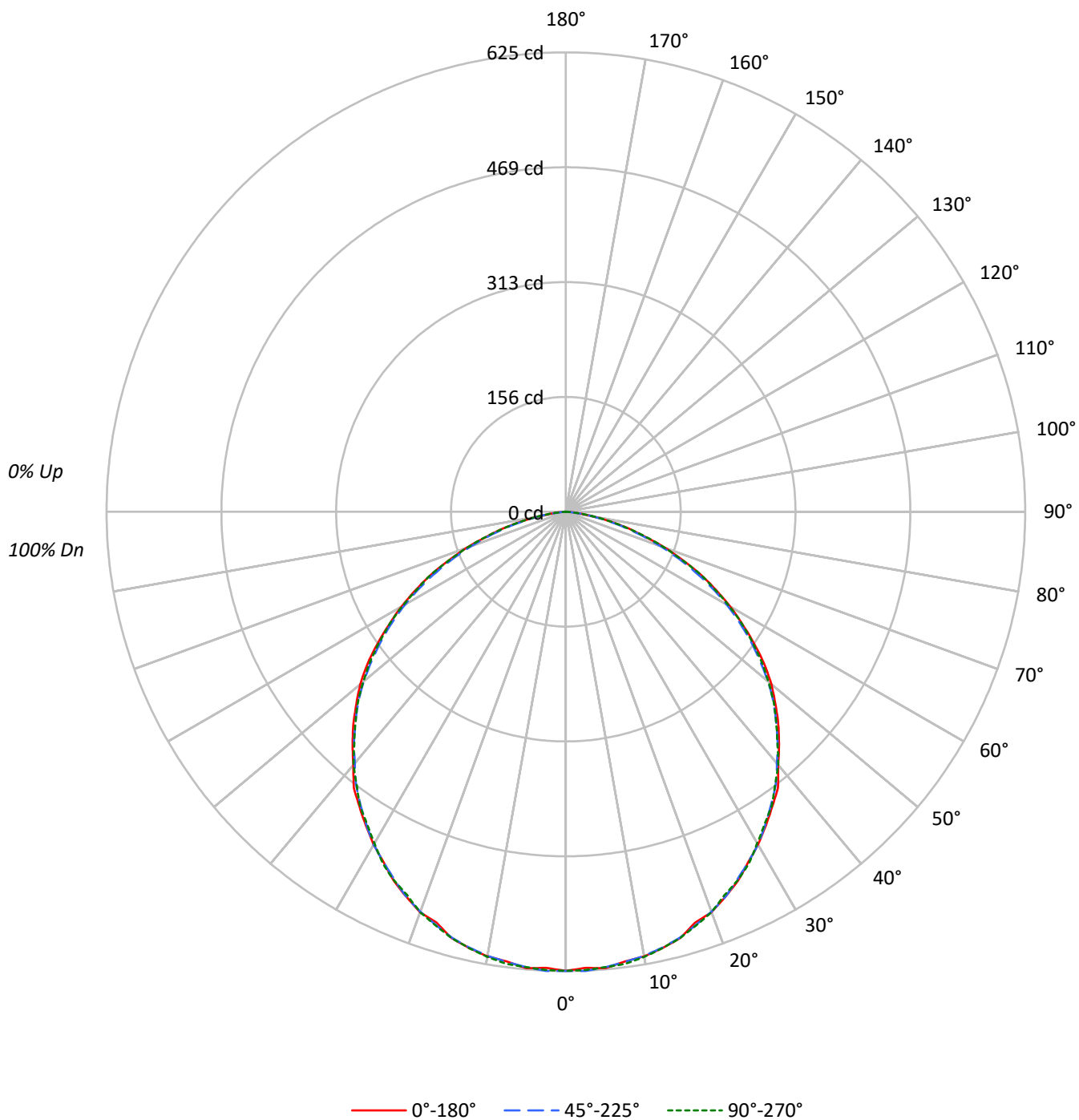
Lumens per Lamp: N/A
Luminaire Lumens: 1680.0 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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: P997354

CATALOG NUMBER: FSP-22-L3C3-CP187-3000K-LOW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2047	2047	2047
5°	2050	2045	2045
10°	2043	2041	2046
15°	2037	2034	2037
20°	2021	2019	2021
25°	2003	1995	2000
30°	1978	1978	1970
35°	1959	1948	1953
40°	1923	1911	1923
45°	1894	1875	1875
50°	1862	1830	1834
55°	1786	1754	1770
60°	1695	1655	1682
65°	1572	1507	1572
70°	1379	1311	1372
75°	1129	1051	1103
80°	770	730	783
85°	338	365	365

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1894 cd/sqm

TEST NUMBER: P997354

CATALOG NUMBER: FSP-22-L3C3-CP187-3000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.1	3.5
10°-20°	169.2	10.1
20°-30°	254.7	15.2
30°-40°	305.1	18.2
40°-50°	313.3	18.6
50°-60°	276.0	16.4
60°-70°	195.8	11.7
70°-80°	92.2	5.5
80°-90°	14.6	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°	483.0	28.8
0°-40°	788.2	46.9
0°-60°	1377.4	82.0
0°-90°	1680.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1680.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	625	625	625	625	625	
5°	623	625	622	622	622	59
15°	600	599	600	600	600	169
25°	554	554	552	553	553	255
35°	490	488	487	487	488	306
45°	409	407	405	407	405	315
55°	313	310	307	309	310	279
65°	203	197	194	199	203	199
75°	89	85	83	87	87	94
85°	9	9	10	10	10	15
90°	0	0	0	0	0	

TEST NUMBER: P997354

CATALOG NUMBER: FSP-22-L3C3-CP187-3000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	624.6	624.6	624.6	624.6	624.6
2.5°	621.1	625.9	625.3	623.9	623.9
5°	623.2	624.6	621.8	621.8	621.8
7.5°	617.0	619.7	617.6	617.6	620.4
10°	614.2	615.6	613.5	613.5	614.9
12.5°	608.0	608.7	607.3	607.3	608.0
15°	600.4	599.0	599.7	599.7	600.4
17.5°	585.8	591.4	589.3	591.4	590.0
20°	579.6	580.3	578.9	578.2	579.6
22.5°	567.2	565.1	567.2	565.8	564.4
25°	554.0	554.0	551.9	553.3	553.3
27.5°	537.4	538.1	537.4	537.4	539.5
30°	522.9	522.9	522.9	522.2	520.8
32.5°	506.3	506.3	504.9	505.6	503.5
35°	489.7	488.3	486.9	486.9	488.3
37.5°	473.8	471.0	468.9	468.9	467.6
40°	449.6	451.0	446.8	447.5	449.6
42.5°	429.5	429.5	426.7	428.8	426.1
45°	408.8	407.4	404.6	406.7	404.6
47.5°	386.6	384.6	383.2	382.5	383.9
50°	365.2	360.3	359.0	359.7	359.7
52.5°	340.3	335.5	332.7	334.8	336.1
55°	312.6	309.9	307.1	309.2	309.9
57.5°	285.0	282.2	280.1	281.5	284.3
60°	258.7	254.5	252.5	255.2	256.6
62.5°	230.3	226.2	224.1	228.2	227.6
65°	202.7	197.1	194.4	199.2	202.7
67.5°	172.2	168.8	165.3	170.1	170.8
70°	143.9	138.3	136.9	143.2	143.2
72.5°	114.1	112.0	109.3	114.1	115.5
75°	89.2	85.1	83.0	87.1	87.1
77.5°	62.9	60.9	59.5	62.9	64.3
80°	40.8	38.7	38.7	40.1	41.5
82.5°	22.1	22.1	21.4	22.8	23.5
85°	9.0	9.0	9.7	9.7	9.7
87.5°	2.1	2.1	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997354

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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	14.16	15.77	14.52	16.08	16.39	14.14	15.75	14.51	16.06	16.38
	3H	15.68	17.13	16.06	17.46	17.82	15.69	17.14	16.07	17.46	17.82
	4H	16.15	17.51	16.54	17.85	18.23	16.15	17.51	16.55	17.86	18.24
	6H	16.38	17.64	16.79	18.00	18.39	16.40	17.65	16.81	18.02	18.41
	8H	16.41	17.61	16.83	18.00	18.40	16.43	17.63	16.86	18.02	18.42
	12H	16.41	17.56	16.84	17.94	18.37	16.43	17.58	16.86	17.96	18.39
4H	2H	14.70	16.06	15.10	16.41	16.78	14.69	16.05	15.08	16.39	16.77
	3H	16.40	17.53	16.81	17.93	18.33	16.42	17.55	16.83	17.95	18.35
	4H	16.95	17.97	17.38	18.38	18.82	16.98	18.00	17.41	18.41	18.85
	6H	17.26	18.15	17.72	18.59	19.05	17.30	18.19	17.76	18.63	19.09
	8H	17.31	18.14	17.77	18.58	19.05	17.36	18.18	17.82	18.63	19.09
	12H	17.32	18.06	17.80	18.54	19.01	17.37	18.11	17.85	18.59	19.06
8H	4H	17.13	17.96	17.59	18.40	18.87	17.15	17.98	17.62	18.43	18.89
	6H	17.49	18.18	17.99	18.67	19.14	17.53	18.22	18.03	18.71	19.18
	8H	17.56	18.18	18.07	18.68	19.17	17.61	18.22	18.12	18.73	19.22
	12H	17.59	18.13	18.10	18.62	19.19	17.65	18.19	18.16	18.68	19.24
12H	4H	17.13	17.87	17.61	18.35	18.82	17.15	17.90	17.63	18.37	18.84
	6H	17.49	18.10	18.00	18.61	19.10	17.53	18.14	18.04	18.65	19.14
	8H	17.59	18.13	18.10	18.62	19.19	17.64	18.18	18.15	18.67	19.23