

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: P997357

Luminaire Tested: FSP-22-L3C3-CP187-3500K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997357
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-CP187-3500K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

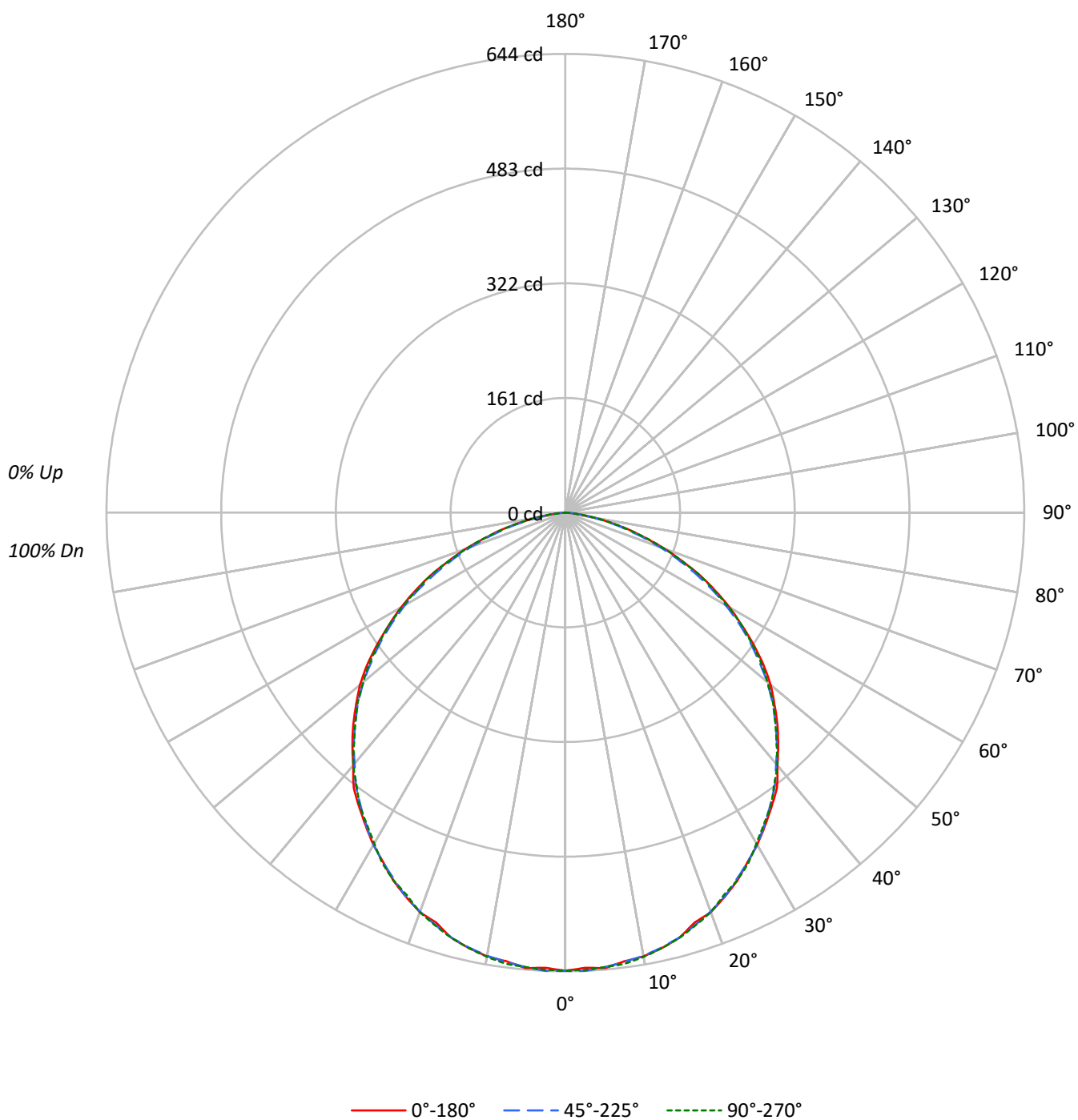
Lumens per Lamp: N/A
Luminaire Lumens: 1730.0 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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: P997357

CATALOG NUMBER: FSP-22-L3C3-CP187-3500K-LOW

Luminous Intensity Polar Plot



TEST NUMBER: P997357

CATALOG NUMBER: FSP-22-L3C3-CP187-3500K-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
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°	2107	2107	2107
5°	2111	2106	2106
10°	2104	2102	2107
15°	2097	2095	2097
20°	2081	2078	2081
25°	2063	2055	2060
30°	2037	2037	2029
35°	2017	2006	2011
40°	1980	1968	1980
45°	1950	1931	1931
50°	1917	1884	1888
55°	1839	1806	1823
60°	1746	1704	1731
65°	1618	1551	1618
70°	1419	1351	1412
75°	1163	1082	1136
80°	792	753	806
85°	350	376	376

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1950 cd/sqm

TEST NUMBER: P997357

CATALOG NUMBER: FSP-22-L3C3-CP187-3500K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.9	3.5
10°-20°	174.2	10.1
20°-30°	262.3	15.2
30°-40°	314.2	18.2
40°-50°	322.6	18.6
50°-60°	284.2	16.4
60°-70°	201.6	11.7
70°-80°	95.0	5.5
80°-90°	15.0	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°	497.4	28.8
0°-40°	811.6	46.9
0°-60°	1418.4	82.0
0°-90°	1730.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1730.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	643	643	643	643	643	
5°	642	643	640	640	640	61
15°	618	617	618	618	618	174
25°	570	570	568	570	570	263
35°	504	503	501	501	503	315
45°	421	420	417	419	417	325
55°	322	319	316	318	319	288
65°	209	203	200	205	209	205
75°	92	88	86	90	90	97
85°	9	9	10	10	10	15
90°	0	0	0	0	0	

TEST NUMBER: P997357

CATALOG NUMBER: FSP-22-L3C3-CP187-3500K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	643.1	643.1	643.1	643.1	643.1
2.5°	639.6	644.6	643.9	642.4	642.4
5°	641.7	643.1	640.3	640.3	640.3
7.5°	635.3	638.2	636.0	636.0	638.9
10°	632.5	633.9	631.8	631.8	633.2
12.5°	626.1	626.8	625.3	625.3	626.1
15°	618.2	616.8	617.5	617.5	618.2
17.5°	603.3	609.0	606.8	609.0	607.5
20°	596.9	597.6	596.1	595.4	596.9
22.5°	584.0	581.9	584.0	582.6	581.2
25°	570.5	570.5	568.4	569.8	569.8
27.5°	553.4	554.1	553.4	553.4	555.5
30°	538.4	538.4	538.4	537.7	536.3
32.5°	521.4	521.4	519.9	520.6	518.5
35°	504.3	502.8	501.4	501.4	502.8
37.5°	487.9	485.0	482.9	482.9	481.5
40°	463.0	464.4	460.1	460.8	463.0
42.5°	442.3	442.3	439.4	441.6	438.7
45°	420.9	419.5	416.7	418.8	416.7
47.5°	398.1	396.0	394.6	393.9	395.3
50°	376.1	371.1	369.6	370.4	370.4
52.5°	350.4	345.4	342.6	344.7	346.1
55°	321.9	319.1	316.2	318.4	319.1
57.5°	293.4	290.6	288.5	289.9	292.7
60°	266.4	262.1	260.0	262.8	264.2
62.5°	237.2	232.9	230.8	235.0	234.3
65°	208.7	203.0	200.1	205.1	208.7
67.5°	177.3	173.8	170.2	175.2	175.9
70°	148.1	142.4	141.0	147.4	147.4
72.5°	117.5	115.4	112.5	117.5	118.9
75°	91.9	87.6	85.5	89.7	89.7
77.5°	64.8	62.7	61.3	64.8	66.2
80°	42.0	39.9	39.9	41.3	42.7
82.5°	22.8	22.8	22.1	23.5	24.2
85°	9.3	9.3	10.0	10.0	10.0
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: P997357

CATALOG NUMBER: FSP-22-L3C3-CP187-3500K-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	14.26	15.87	14.62	16.18	16.50	14.24	15.85	14.61	16.17	16.48
	3H	15.79	17.23	16.16	17.56	17.92	15.79	17.24	16.17	17.56	17.93
	4H	16.25	17.61	16.65	17.96	18.33	16.25	17.61	16.65	17.96	18.34
	6H	16.48	17.74	16.89	18.10	18.49	16.50	17.76	16.91	18.12	18.51
	8H	16.51	17.71	16.94	18.10	18.50	16.53	17.73	16.96	18.12	18.52
	12H	16.51	17.66	16.94	18.04	18.47	16.54	17.68	16.96	18.07	18.49
4H	2H	14.80	16.16	15.20	16.51	16.88	14.79	16.15	15.19	16.49	16.87
	3H	16.50	17.63	16.91	18.03	18.43	16.52	17.65	16.93	18.05	18.45
	4H	17.05	18.07	17.48	18.49	18.92	17.08	18.10	17.51	18.51	18.95
	6H	17.36	18.25	17.82	18.69	19.15	17.40	18.29	17.86	18.73	19.19
	8H	17.41	18.24	17.87	18.68	19.15	17.46	18.29	17.92	18.73	19.19
	12H	17.42	18.16	17.90	18.64	19.11	17.47	18.21	17.95	18.69	19.16
8H	4H	17.23	18.06	17.69	18.50	18.97	17.26	18.08	17.72	18.53	18.99
	6H	17.59	18.28	18.09	18.77	19.24	17.64	18.32	18.13	18.81	19.28
	8H	17.67	18.28	18.18	18.79	19.27	17.71	18.33	18.23	18.83	19.32
	12H	17.70	18.24	18.20	18.73	19.29	17.75	18.29	18.26	18.78	19.34
12H	4H	17.23	17.98	17.71	18.45	18.92	17.26	18.00	17.74	18.47	18.94
	6H	17.59	18.21	18.10	18.71	19.20	17.63	18.24	18.14	18.75	19.24
	8H	17.69	18.24	18.20	18.73	19.29	17.74	18.28	18.25	18.77	19.34