

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: P997344

Luminaire Tested: FSP-22-L3C3-CP125-3000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CP125-3000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

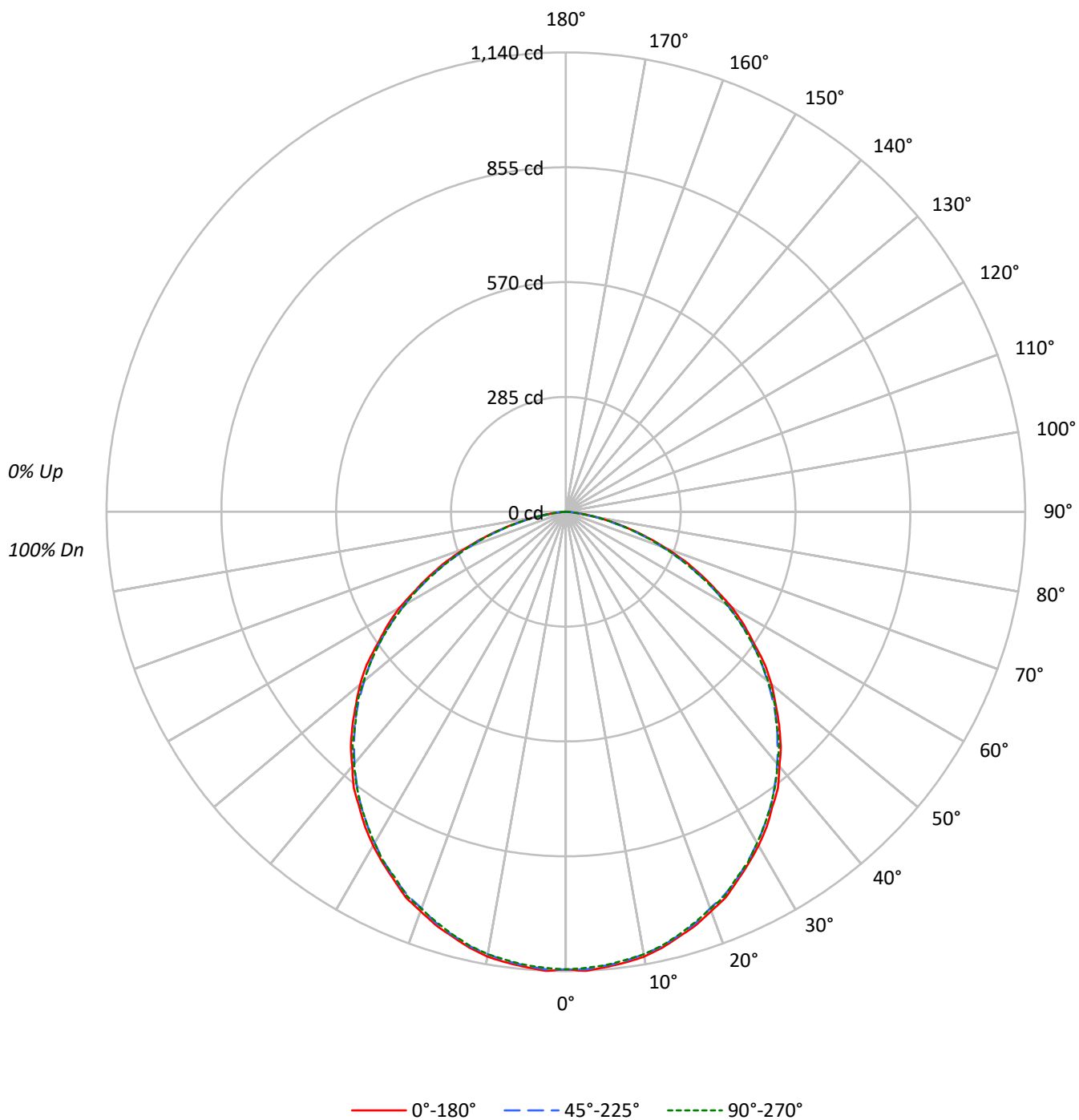
Lumens per Lamp: N/A
Luminaire Lumens: 3061.0 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

Input Watts (W): 30.4
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: P997344

CATALOG NUMBER: FSP-22-L3C3-CP125-3000K-HI

Luminous Intensity Polar Plot



TEST NUMBER: P997344

CATALOG NUMBER: FSP-22-L3C3-CP125-3000K-HI

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	83	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	47		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	32	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3721	3721	3721
5°	3731	3719	3715
10°	3730	3710	3710
15°	3700	3688	3683
20°	3677	3651	3656
25°	3646	3633	3624
30°	3619	3592	3592
35°	3575	3550	3550
40°	3527	3491	3497
45°	3468	3429	3418
50°	3396	3329	3341
55°	3254	3212	3212
60°	3123	3035	3019
65°	2869	2785	2775
70°	2525	2433	2456
75°	2067	1975	2036
80°	1438	1370	1438
85°	680	635	680

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3468 cd/sqm

TEST NUMBER: P997344

CATALOG NUMBER: FSP-22-L3C3-CP125-3000K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.5	3.5
10°-20°	306.9	10.0
20°-30°	463.4	15.1
30°-40°	555.7	18.2
40°-50°	571.3	18.7
50°-60°	503.6	16.5
60°-70°	356.6	11.7
70°-80°	168.7	5.5
80°-90°	27.2	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°	877.8	28.7
0°-40°	1433.5	46.8
0°-60°	2508.4	81.9
0°-90°	3061.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3061.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1136	1136	1136	1136	1136	
5°	1134	1133	1131	1130	1130	108
15°	1091	1086	1087	1086	1086	308
25°	1008	1005	1005	1004	1002	465
35°	894	890	888	886	888	560
45°	748	741	740	738	738	577
55°	570	565	562	565	562	512
65°	370	358	359	360	358	366
75°	163	154	156	156	161	175
85°	18	17	17	18	18	28
90°	0	0	0	0	0	

TEST NUMBER: P997344

CATALOG NUMBER: FSP-22-L3C3-CP125-3000K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1135.5	1135.5	1135.5	1135.5	1135.5
2.5°	1140.4	1134.3	1136.7	1134.3	1133.1
5°	1134.3	1133.1	1130.7	1129.5	1129.5
7.5°	1128.3	1124.6	1124.6	1122.2	1122.2
10°	1121.0	1115.0	1115.0	1115.0	1115.0
12.5°	1107.7	1101.7	1104.1	1100.5	1102.9
15°	1090.8	1085.9	1087.2	1085.9	1085.9
17.5°	1075.1	1070.2	1070.2	1069.0	1067.8
20°	1054.5	1054.5	1047.2	1050.9	1048.5
22.5°	1036.4	1035.2	1029.1	1026.7	1031.5
25°	1008.5	1004.9	1004.9	1003.7	1002.5
27.5°	983.2	981.9	978.3	979.5	979.5
30°	956.5	951.7	949.3	946.9	949.3
32.5°	927.5	919.1	919.1	919.1	919.1
35°	893.7	890.0	887.6	886.4	887.6
37.5°	864.6	858.6	852.5	851.3	853.8
40°	824.7	819.9	816.3	817.5	817.5
42.5°	789.7	782.4	777.6	781.2	783.6
45°	748.5	741.3	740.1	737.7	737.7
47.5°	706.2	701.4	697.8	696.6	702.6
50°	666.3	656.6	653.0	653.0	655.4
52.5°	622.8	613.1	609.5	610.7	609.5
55°	569.6	564.7	562.3	564.7	562.3
57.5°	524.8	516.4	513.9	513.9	512.7
60°	476.5	464.4	463.2	461.9	460.7
62.5°	419.6	412.4	411.2	411.2	413.6
65°	370.0	357.9	359.2	360.4	357.9
67.5°	319.3	307.2	307.2	308.4	307.2
70°	263.6	252.7	254.0	256.4	256.4
72.5°	212.8	204.4	205.6	205.6	206.8
75°	163.3	153.6	156.0	156.0	160.8
77.5°	117.3	110.0	111.3	113.7	114.9
80°	76.2	71.3	72.6	73.8	76.2
82.5°	42.3	41.1	41.1	42.3	42.3
85°	18.1	16.9	16.9	18.1	18.1
87.5°	4.8	4.8	3.6	3.6	4.8
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997344

CATALOG NUMBER: FSP-22-L3C3-CP125-3000K-HI

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	16.28	17.89	16.64	18.20	18.52	16.22	17.83	16.59	18.14	18.46
	3H	17.81	19.26	18.18	19.58	19.94	17.74	19.18	18.11	19.51	19.87
	4H	18.27	19.63	18.67	19.98	20.35	18.20	19.56	18.60	19.91	20.28
	6H	18.51	19.77	18.92	20.13	20.52	18.44	19.70	18.85	20.07	20.46
	8H	18.54	19.74	18.97	20.13	20.53	18.48	19.68	18.90	20.07	20.47
	12H	18.54	19.69	18.97	20.07	20.50	18.48	19.63	18.91	20.01	20.44
4H	2H	16.83	18.19	17.23	18.54	18.91	16.78	18.14	17.18	18.49	18.87
	3H	18.53	19.67	18.94	20.06	20.46	18.48	19.62	18.89	20.02	20.42
	4H	19.08	20.10	19.51	20.51	20.95	19.04	20.06	19.47	20.47	20.91
	6H	19.39	20.28	19.85	20.72	21.18	19.36	20.25	19.82	20.69	21.15
	8H	19.44	20.27	19.90	20.72	21.18	19.41	20.24	19.88	20.69	21.15
	12H	19.46	20.20	19.94	20.68	21.15	19.43	20.17	19.91	20.65	21.12
8H	4H	19.26	20.09	19.72	20.53	21.00	19.22	20.05	19.69	20.50	20.96
	6H	19.63	20.31	20.12	20.80	21.28	19.60	20.29	20.10	20.78	21.25
	8H	19.70	20.32	20.22	20.83	21.31	19.69	20.30	20.20	20.81	21.29
	12H	19.74	20.28	20.25	20.77	21.33	19.72	20.26	20.23	20.75	21.32
12H	4H	19.26	20.01	19.74	20.48	20.95	19.22	19.97	19.71	20.44	20.91
	6H	19.63	20.24	20.14	20.75	21.24	19.60	20.22	20.11	20.72	21.21
	8H	19.74	20.28	20.24	20.77	21.33	19.72	20.26	20.22	20.75	21.31

END OF REPORT