

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: P997362

Luminaire Tested: FSP-22-L3C3-CP250-3000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-12)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CP250-3000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

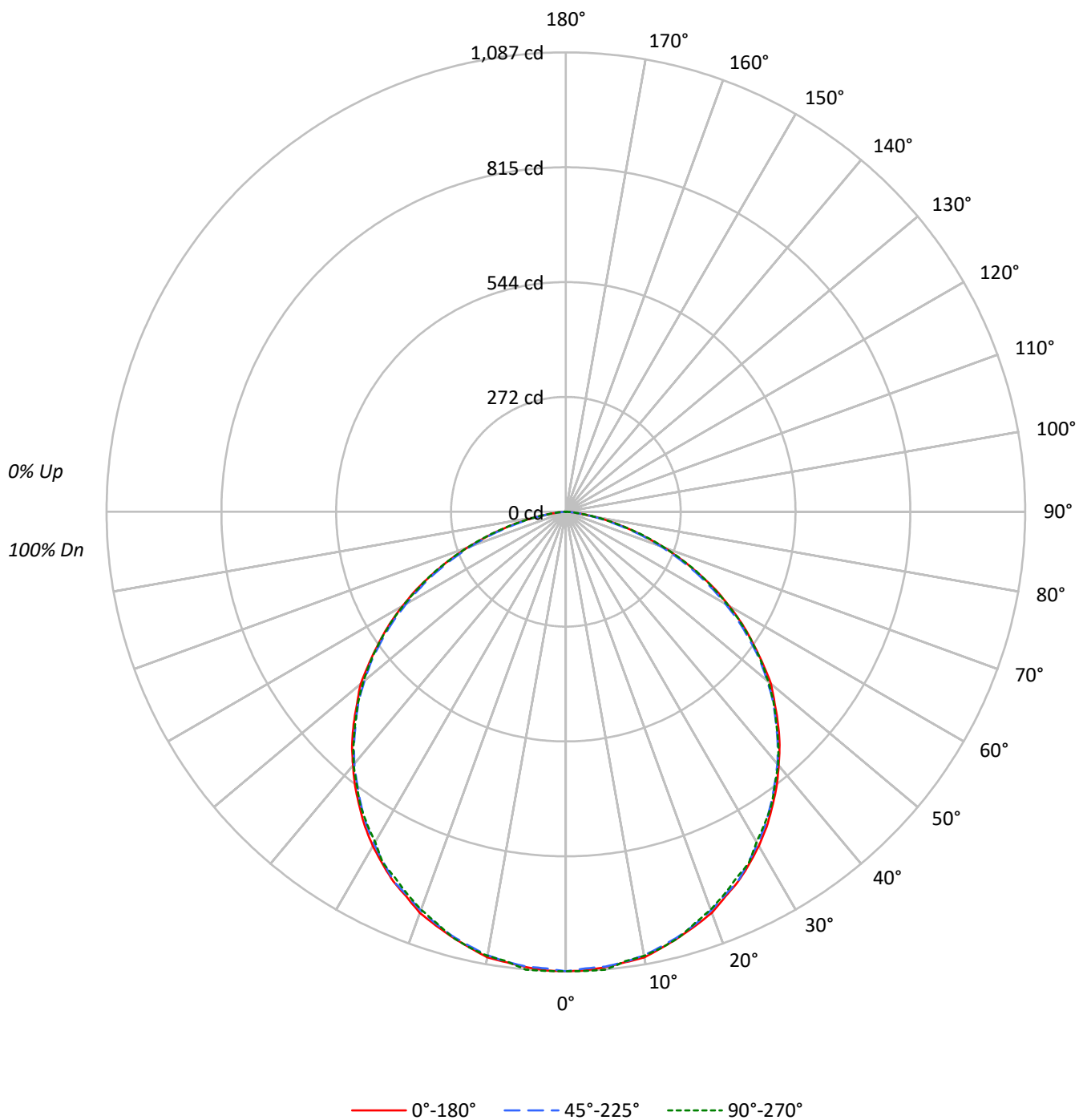
Lumens per Lamp: N/A
Luminaire Lumens: 2914.0 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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: P997362

CATALOG NUMBER: FSP-22-L3C3-CP250-3000K-HI

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	87	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	71	62	56	68	61	56		66	60	55		64
5	77	64	55	49	75	63	55	49	61	54	48		59	53	48		57
6	71	58	49	43	69	57	49	43	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	28	52	40	33	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3563	3563	3563
5°	3557	3553	3577
10°	3562	3546	3550
15°	3533	3525	3533
20°	3522	3501	3492
25°	3490	3485	3455
30°	3455	3432	3414
35°	3406	3382	3392
40°	3352	3332	3342
45°	3290	3257	3262
50°	3231	3169	3188
55°	3082	3040	3075
60°	2925	2862	2909
65°	2692	2626	2701
70°	2364	2283	2376
75°	1914	1807	1945
80°	1300	1232	1347
85°	590	545	590

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3290 cd/sqm

TEST NUMBER: P997362

CATALOG NUMBER: FSP-22-L3C3-CP250-3000K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	3.5
10°-20°	293.5	10.1
20°-30°	442.8	15.2
30°-40°	530.4	18.2
40°-50°	544.4	18.7
50°-60°	478.6	16.4
60°-70°	338.4	11.6
70°-80°	158.3	5.4
80°-90°	24.8	0.8
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°	839.1	28.8
0°-40°	1369.5	47.0
0°-60°	2392.5	82.1
0°-90°	2914.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2914.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1087	1087	1087	1087	1087	
5°	1081	1083	1080	1081	1087	103
15°	1042	1042	1039	1038	1042	294
25°	965	963	964	958	956	445
35°	852	852	846	846	848	533
45°	710	708	703	704	704	548
55°	540	536	532	537	538	483
65°	347	342	339	344	348	344
75°	151	145	143	150	154	162
85°	16	16	14	17	16	25
90°	0	0	0	0	0	

TEST NUMBER: P997362

CATALOG NUMBER: FSP-22-L3C3-CP250-3000K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1087.4	1087.4	1087.4	1087.4	1087.4
2.5°	1086.2	1085.0	1081.4	1085.0	1087.4
5°	1081.4	1082.6	1080.2	1081.4	1087.4
7.5°	1075.3	1076.6	1074.1	1074.1	1072.9
10°	1070.5	1070.5	1065.7	1065.7	1066.9
12.5°	1056.0	1058.4	1052.4	1054.8	1056.0
15°	1041.5	1041.5	1039.1	1037.8	1041.5
17.5°	1025.7	1025.7	1022.1	1022.1	1019.7
20°	1010.0	1007.6	1004.0	1000.3	1001.6
22.5°	985.8	987.0	982.2	982.2	979.8
25°	965.3	962.8	964.1	958.0	955.6
27.5°	939.9	938.7	935.0	935.0	937.4
30°	913.3	909.6	907.2	904.8	902.4
32.5°	884.2	881.8	878.2	877.0	875.8
35°	851.6	851.6	845.5	845.5	847.9
37.5°	818.9	821.3	811.6	812.9	812.9
40°	783.8	785.0	779.0	780.2	781.4
42.5°	748.7	746.3	741.5	745.1	743.9
45°	710.0	707.6	702.8	704.0	704.0
47.5°	670.1	667.7	665.3	665.3	666.5
50°	633.8	626.6	621.7	622.9	625.4
52.5°	585.5	584.2	579.4	580.6	583.0
55°	539.5	535.9	532.2	537.1	538.3
57.5°	494.7	491.1	486.3	488.7	492.3
60°	446.3	440.3	436.7	440.3	443.9
62.5°	399.2	390.7	387.1	391.9	395.5
65°	347.2	342.3	338.7	343.5	348.4
67.5°	297.6	289.1	287.9	295.1	298.8
70°	246.8	238.3	238.3	244.3	248.0
72.5°	197.2	188.7	189.9	197.2	200.8
75°	151.2	145.2	142.7	150.0	153.6
77.5°	107.7	101.6	101.6	108.9	108.9
80°	68.9	65.3	65.3	70.2	71.4
82.5°	38.7	37.5	36.3	38.7	39.9
85°	15.7	15.7	14.5	16.9	15.7
87.5°	3.6	3.6	3.6	3.6	3.6
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997362

CATALOG NUMBER: FSP-22-L3C3-CP250-3000K-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	16.09	17.70	16.46	18.01	18.32	16.06	17.66	16.42	17.98	18.29
	3H	17.59	19.03	17.96	19.36	19.72	17.60	19.05	17.98	19.37	19.74
	4H	18.03	19.39	18.43	19.74	20.12	18.07	19.43	18.47	19.78	20.15
	6H	18.26	19.51	18.67	19.88	20.27	18.31	19.56	18.72	19.93	20.32
	8H	18.29	19.48	18.71	19.87	20.27	18.34	19.54	18.77	19.93	20.33
	12H	18.28	19.43	18.71	19.81	20.24	18.34	19.49	18.77	19.87	20.30
4H	2H	16.63	17.99	17.03	18.34	18.71	16.61	17.96	17.00	18.31	18.69
	3H	18.30	19.43	18.71	19.83	20.23	18.33	19.46	18.74	19.86	20.26
	4H	18.84	19.85	19.27	20.27	20.70	18.89	19.91	19.32	20.32	20.76
	6H	19.13	20.02	19.59	20.46	20.92	19.21	20.10	19.66	20.54	20.99
	8H	19.18	20.00	19.64	20.45	20.91	19.26	20.09	19.72	20.53	21.00
	12H	19.19	19.93	19.67	20.41	20.88	19.27	20.01	19.75	20.49	20.96
8H	4H	19.01	19.84	19.47	20.28	20.75	19.06	19.89	19.52	20.33	20.80
	6H	19.36	20.04	19.85	20.53	21.00	19.44	20.12	19.93	20.61	21.08
	8H	19.43	20.04	19.94	20.54	21.03	19.51	20.12	20.02	20.63	21.12
	12H	19.46	20.00	19.96	20.49	21.05	19.54	20.08	20.05	20.57	21.14
12H	4H	19.01	19.75	19.49	20.23	20.70	19.06	19.80	19.54	20.28	20.75
	6H	19.35	19.97	19.86	20.47	20.96	19.43	20.04	19.94	20.55	21.04
	8H	19.45	19.99	19.96	20.48	21.05	19.54	20.07	20.04	20.57	21.13