

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: P997281

Luminaire Tested: FSP-14-L3C3-CA125-3000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997281
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CA125-3000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

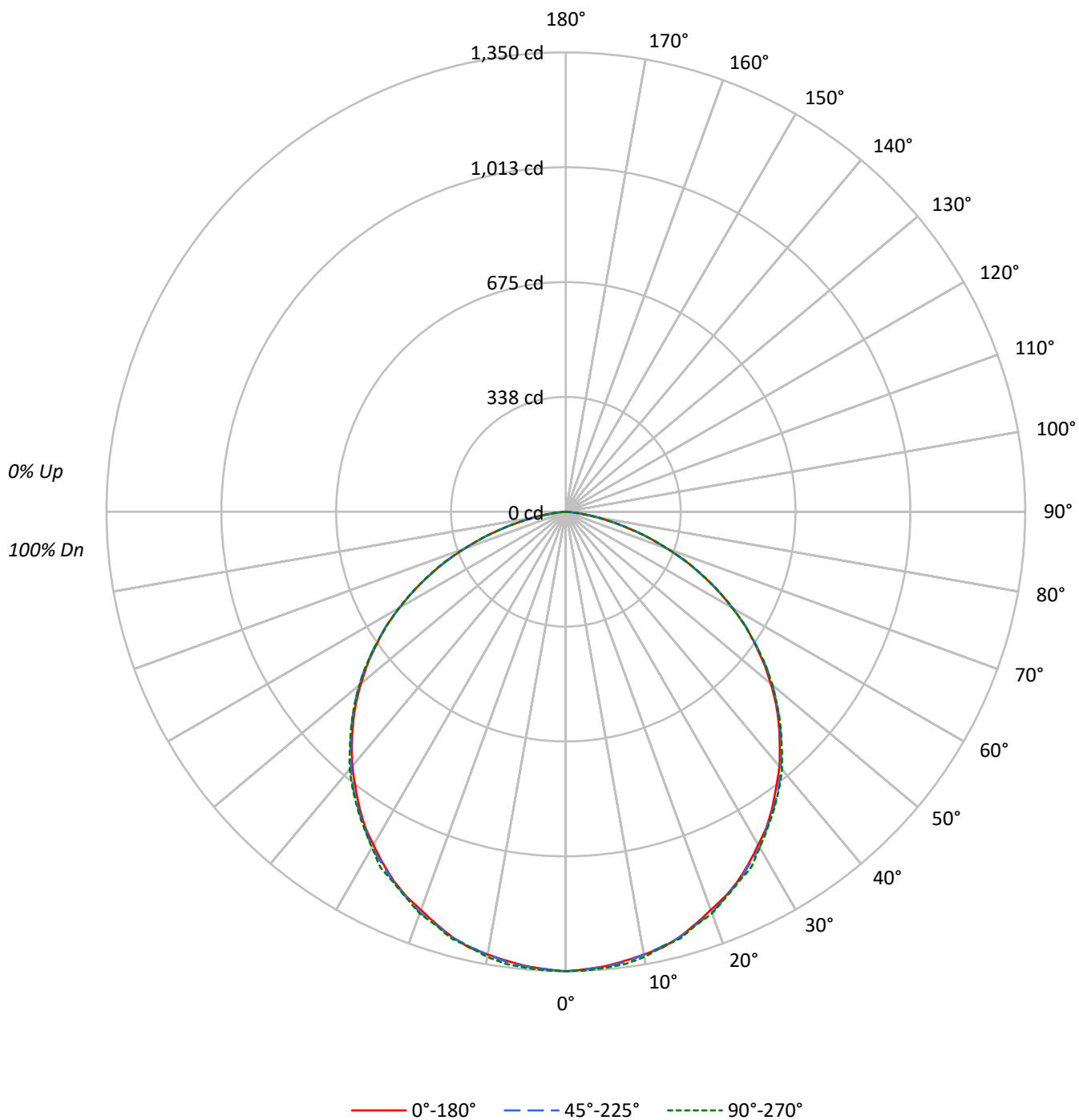
Lumens per Lamp: N/A
Luminaire Lumens: 3690.0 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 36.3
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: P997281

CATALOG NUMBER: FSP-14-L3C3-CA125-3000K-HI

Luminous Intensity Polar Plot



TEST NUMBER: P997281

CATALOG NUMBER: FSP-14-L3C3-CA125-3000K-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	95	98	95	92		94	92	90		91
2	100	92	85	79	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	66	88	79	72	66	76	70	65		73	68	63		71
4	83	71	63	56	81	70	62	56	68	61	55		65	59	54		63
5	77	64	55	48	75	63	54	48	61	53	48		59	52	47		57
6	71	58	49	42	69	57	48	42	55	47	42		53	46	41		52
7	66	52	43	37	64	51	43	37	50	42	37		48	42	37		47
8	61	48	39	33	59	47	39	33	46	38	33		44	38	33		43
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4692	4692	4692
5°	4676	4680	4693
10°	4662	4662	4688
15°	4653	4658	4671
20°	4605	4636	4645
25°	4590	4599	4604
30°	4537	4571	4571
35°	4490	4516	4526
40°	4430	4457	4484
45°	4349	4378	4384
50°	4249	4288	4281
55°	4112	4134	4126
60°	3921	3929	3938
65°	3647	3638	3657
70°	3222	3234	3234
75°	2638	2654	2622
80°	1881	1833	1833
85°	865	865	817

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 4384 cd/sqm

TEST NUMBER: P997281

CATALOG NUMBER: FSP-14-L3C3-CA125-3000K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.6	3.5
10°-20°	365.2	9.9
20°-30°	552.8	15.0
30°-40°	665.7	18.0
40°-50°	686.6	18.6
50°-60°	609.5	16.5
60°-70°	438.3	11.9
70°-80°	210.9	5.7
80°-90°	33.6	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°	1045.5	28.3
0°-40°	1711.2	46.4
0°-60°	3007.2	81.5
0°-90°	3690.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3690.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1350	1350	1350	1350	1350	
5°	1341	1344	1342	1341	1345	127
15°	1294	1297	1295	1292	1298	364
25°	1197	1201	1200	1201	1201	551
35°	1058	1061	1064	1067	1067	662
45°	885	891	891	892	892	682
55°	679	686	682	688	681	607
65°	444	444	442	444	445	438
75°	196	199	198	195	195	211
85°	22	22	22	20	20	35
90°	0	0	0	0	0	

TEST NUMBER: P997281

CATALOG NUMBER: FSP-14-L3C3-CA125-3000K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1350.2	1350.2	1350.2	1350.2	1350.2
2.5°	1345.4	1350.2	1345.4	1344.2	1349.0
5°	1340.6	1344.2	1341.8	1340.6	1345.4
7.5°	1330.9	1336.9	1334.5	1333.3	1340.6
10°	1321.3	1326.1	1321.3	1324.9	1328.5
12.5°	1311.6	1315.2	1308.0	1312.8	1309.2
15°	1293.5	1297.2	1294.8	1292.3	1298.4
17.5°	1269.4	1275.5	1271.8	1275.5	1273.1
20°	1245.3	1250.1	1253.8	1251.4	1256.2
22.5°	1223.6	1226.0	1226.0	1228.4	1227.2
25°	1197.1	1200.7	1199.5	1200.7	1200.7
27.5°	1164.6	1167.0	1168.2	1170.6	1179.0
30°	1130.8	1135.6	1139.2	1140.4	1139.2
32.5°	1098.2	1100.7	1100.7	1105.5	1103.1
35°	1058.5	1060.9	1064.5	1066.9	1066.9
37.5°	1016.3	1019.9	1025.9	1028.3	1028.3
40°	976.5	980.1	982.5	991.0	988.5
42.5°	930.7	937.9	936.7	937.9	939.1
45°	884.9	890.9	890.9	892.1	892.1
47.5°	837.9	842.7	842.7	842.7	842.7
50°	786.0	788.4	793.2	789.6	792.0
52.5°	734.2	739.0	739.0	736.6	739.0
55°	678.7	686.0	682.3	688.4	681.1
57.5°	625.7	626.9	626.9	625.7	624.5
60°	564.2	569.0	565.4	563.0	566.6
62.5°	503.9	506.3	506.3	505.1	506.3
65°	443.6	443.6	442.4	443.6	444.8
67.5°	383.4	383.4	379.7	377.3	384.6
70°	317.1	320.7	318.3	318.3	318.3
72.5°	258.0	255.6	256.8	254.4	255.6
75°	196.5	198.9	197.7	195.3	195.3
77.5°	141.0	144.7	142.3	141.0	142.3
80°	94.0	92.8	91.6	91.6	91.6
82.5°	54.2	51.8	51.8	50.6	50.6
85°	21.7	21.7	21.7	20.5	20.5
87.5°	4.8	4.8	4.8	3.6	4.8
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997281

CATALOG NUMBER: FSP-14-L3C3-CA125-3000K-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	17.15	18.77	17.52	19.08	19.40	17.14	18.75	17.50	19.07	19.38
	3H	18.72	20.18	19.10	20.50	20.86	18.70	20.15	19.08	20.48	20.84
	4H	19.19	20.56	19.59	20.91	21.29	19.17	20.53	19.56	20.88	21.26
	6H	19.44	20.71	19.85	21.07	21.46	19.41	20.68	19.82	21.04	21.43
	8H	19.48	20.69	19.91	21.08	21.48	19.44	20.65	19.87	21.04	21.44
	12H	19.48	20.64	19.91	21.02	21.45	19.44	20.60	19.87	20.98	21.41
4H	2H	17.73	19.09	18.12	19.44	19.82	17.71	19.08	18.11	19.43	19.80
	3H	19.48	20.62	19.89	21.02	21.42	19.46	20.60	19.87	21.00	21.40
	4H	20.06	21.08	20.49	21.50	21.93	20.02	21.05	20.46	21.46	21.90
	6H	20.39	21.28	20.84	21.72	22.18	20.35	21.24	20.80	21.68	22.14
	8H	20.44	21.28	20.91	21.72	22.19	20.40	21.24	20.86	21.68	22.14
	12H	20.46	21.21	20.94	21.68	22.15	20.41	21.16	20.89	21.64	22.11
8H	4H	20.26	21.09	20.72	21.54	22.00	20.23	21.06	20.69	21.51	21.97
	6H	20.65	21.34	21.14	21.83	22.30	20.61	21.30	21.11	21.79	22.27
	8H	20.73	21.35	21.24	21.85	22.34	20.69	21.30	21.20	21.81	22.30
	12H	20.77	21.31	21.27	21.80	22.36	20.72	21.26	21.23	21.75	22.32
12H	4H	20.26	21.01	20.74	21.48	21.95	20.23	20.98	20.71	21.46	21.93
	6H	20.65	21.27	21.16	21.77	22.26	20.61	21.23	21.12	21.74	22.23
	8H	20.76	21.31	21.27	21.80	22.36	20.72	21.27	21.23	21.76	22.32