

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: P997374

Luminaire Tested: FSP-22-L3C3-CP375-3500K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997374
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-20)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CP375-3500K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

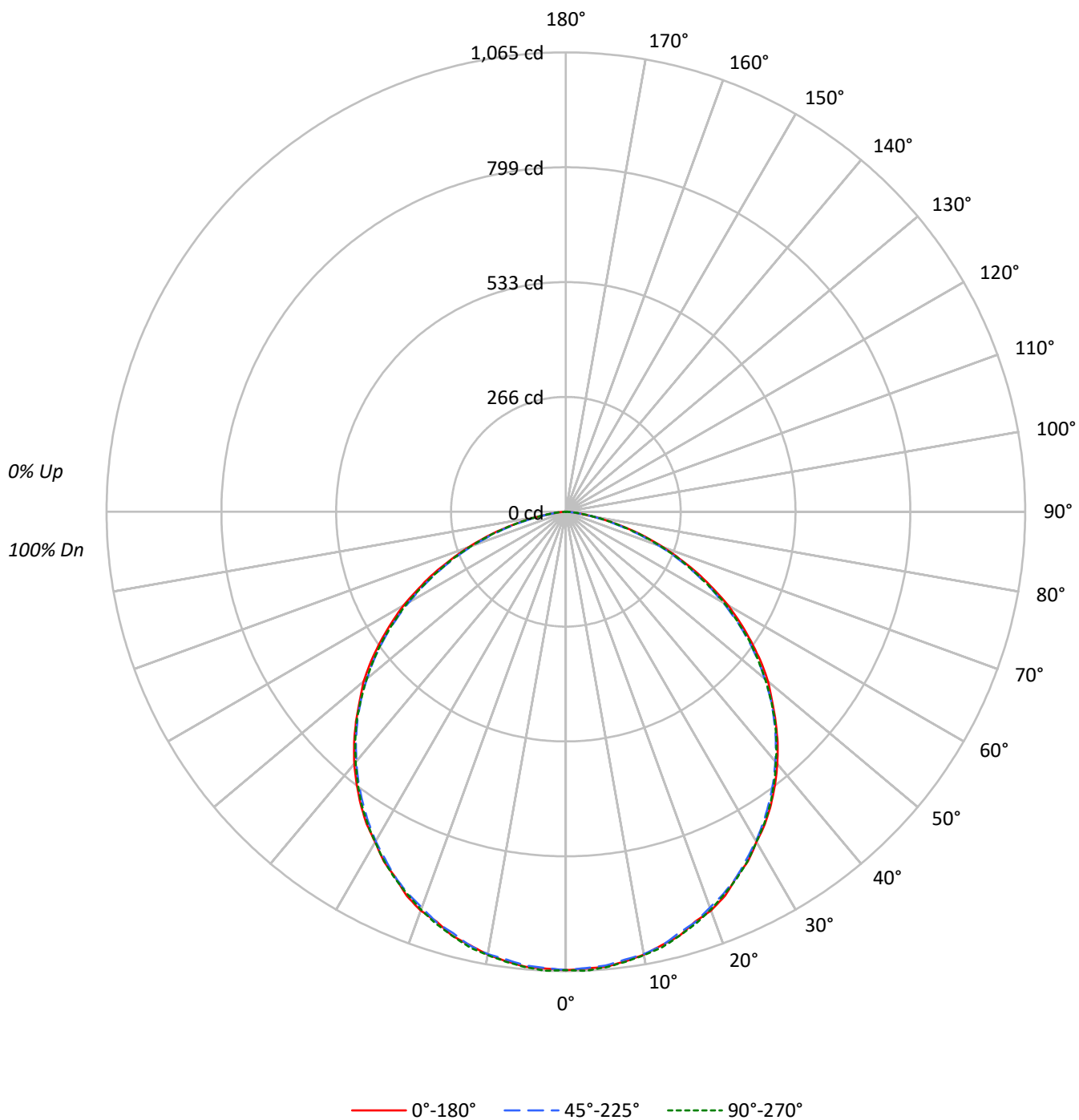
Lumens per Lamp: N/A
Luminaire Lumens: 2821.0 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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: P997374

CATALOG NUMBER: FSP-22-L3C3-CP375-3500K-HI

Luminous Intensity Polar Plot



TEST NUMBER: P997374

CATALOG NUMBER: FSP-22-L3C3-CP375-3500K-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	99	96	93		95	92	90		91
2	100	92	85	80	97	90	84	79	87	82	77		83	79	75		80
3	91	81	73	67	89	79	72	66	77	70	65		74	68	64		71
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		64
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48
8	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44
9	57	44	36	30	56	44	36	30	42	35	30		41	35	30		40
10	54	41	33	28	53	40	33	28	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3481	3481	3481
5°	3482	3474	3486
10°	3468	3464	3473
15°	3452	3430	3452
20°	3431	3405	3422
25°	3381	3381	3390
30°	3345	3335	3345
35°	3316	3286	3306
40°	3263	3231	3242
45°	3188	3165	3176
50°	3119	3068	3074
55°	2996	2938	2960
60°	2847	2758	2790
65°	2614	2517	2536
70°	2296	2201	2237
75°	1850	1738	1801
80°	1249	1177	1249
85°	564	515	564

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3188 cd/sqm

TEST NUMBER: P997374

CATALOG NUMBER: FSP-22-L3C3-CP375-3500K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.4	3.6
10°-20°	286.4	10.2
20°-30°	431.1	15.3
30°-40°	515.6	18.3
40°-50°	527.4	18.7
50°-60°	461.2	16.3
60°-70°	324.3	11.5
70°-80°	151.2	5.4
80°-90°	23.5	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°	817.9	29.0
0°-40°	1333.4	47.3
0°-60°	2322.0	82.3
0°-90°	2821.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2821.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1062	1062	1062	1062	1062	
5°	1059	1055	1056	1054	1060	100
15°	1018	1016	1011	1014	1018	287
25°	935	936	935	934	938	432
35°	829	828	822	822	826	518
45°	688	686	683	683	686	531
55°	524	519	514	512	518	469
65°	337	331	325	323	327	332
75°	146	142	137	139	142	157
85°	15	14	14	15	15	25
90°	0	0	0	0	0	

TEST NUMBER: P997374

CATALOG NUMBER: FSP-22-L3C3-CP375-3500K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1062.5	1062.5	1062.5	1062.5	1062.5
2.5°	1060.0	1062.5	1058.8	1057.5	1065.0
5°	1058.8	1055.0	1056.3	1053.8	1060.0
7.5°	1051.3	1051.3	1047.5	1048.8	1052.5
10°	1042.5	1040.0	1041.3	1041.3	1043.8
12.5°	1028.8	1031.3	1030.1	1030.1	1033.8
15°	1017.6	1016.3	1011.3	1013.8	1017.6
17.5°	996.3	1000.1	997.6	997.6	1001.3
20°	983.9	981.4	976.4	978.9	981.4
22.5°	963.9	961.4	957.6	958.9	960.1
25°	935.2	936.4	935.2	933.9	937.7
27.5°	913.9	910.2	907.7	907.7	912.7
30°	884.0	886.5	881.5	881.5	884.0
32.5°	859.0	857.8	852.8	854.0	856.5
35°	829.0	827.8	821.6	821.6	826.5
37.5°	796.6	794.1	790.3	787.8	792.8
40°	762.9	762.9	755.4	752.9	757.9
42.5°	726.7	721.7	720.4	721.7	722.9
45°	688.0	685.5	683.0	683.0	685.5
47.5°	648.0	646.8	644.3	641.8	644.3
50°	611.8	604.3	601.8	601.8	603.1
52.5°	569.3	561.9	559.4	556.9	560.6
55°	524.4	519.4	514.4	511.9	518.2
57.5°	479.4	473.2	468.2	469.5	470.7
60°	434.5	425.8	420.8	419.5	425.8
62.5°	384.6	379.6	373.3	373.3	375.8
65°	337.1	330.9	324.6	323.4	327.1
67.5°	285.9	283.4	277.2	274.7	282.2
70°	239.7	232.2	229.7	227.2	233.5
72.5°	192.3	184.8	182.3	183.5	188.5
75°	146.1	142.3	137.3	138.6	142.3
77.5°	103.6	101.1	97.4	99.9	103.6
80°	66.2	64.9	62.4	63.7	66.2
82.5°	38.7	37.5	35.0	36.2	36.2
85°	15.0	13.7	13.7	15.0	15.0
87.5°	3.7	3.7	3.7	2.5	3.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997374

CATALOG NUMBER: FSP-22-L3C3-CP375-3500K-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	15.96	17.56	16.32	17.88	18.19	15.89	17.49	16.25	17.80	18.12
	3H	17.47	18.92	17.85	19.24	19.60	17.37	18.81	17.75	19.14	19.50
	4H	17.93	19.28	18.32	19.63	20.00	17.82	19.17	18.21	19.52	19.89
	6H	18.15	19.40	18.56	19.77	20.16	18.04	19.30	18.46	19.66	20.05
	8H	18.18	19.38	18.61	19.77	20.16	18.07	19.27	18.50	19.66	20.06
	12H	18.18	19.32	18.61	19.71	20.13	18.07	19.22	18.50	19.60	20.03
4H	2H	16.49	17.85	16.89	18.19	18.57	16.43	17.79	16.83	18.14	18.51
	3H	18.18	19.31	18.59	19.71	20.11	18.10	19.22	18.51	19.62	20.02
	4H	18.73	19.74	19.16	20.16	20.59	18.63	19.64	19.06	20.06	20.49
	6H	19.03	19.91	19.48	20.35	20.81	18.93	19.82	19.39	20.26	20.72
	8H	19.08	19.90	19.54	20.35	20.81	18.98	19.80	19.44	20.25	20.71
	12H	19.09	19.83	19.57	20.30	20.77	18.99	19.73	19.47	20.20	20.67
8H	4H	18.90	19.72	19.36	20.16	20.63	18.81	19.63	19.27	20.07	20.54
	6H	19.25	19.93	19.74	20.42	20.90	19.16	19.84	19.66	20.33	20.81
	8H	19.32	19.93	19.83	20.44	20.93	19.23	19.84	19.74	20.35	20.84
	12H	19.35	19.89	19.86	20.38	20.94	19.26	19.80	19.77	20.29	20.85
12H	4H	18.90	19.63	19.38	20.11	20.58	18.81	19.54	19.29	20.02	20.49
	6H	19.24	19.85	19.75	20.36	20.85	19.16	19.77	19.67	20.28	20.76
	8H	19.35	19.89	19.86	20.38	20.94	19.26	19.80	19.77	20.29	20.85