

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: P997371

Luminaire Tested: FSP-22-L3C3-CP375-3000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997371
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-CP375-3000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

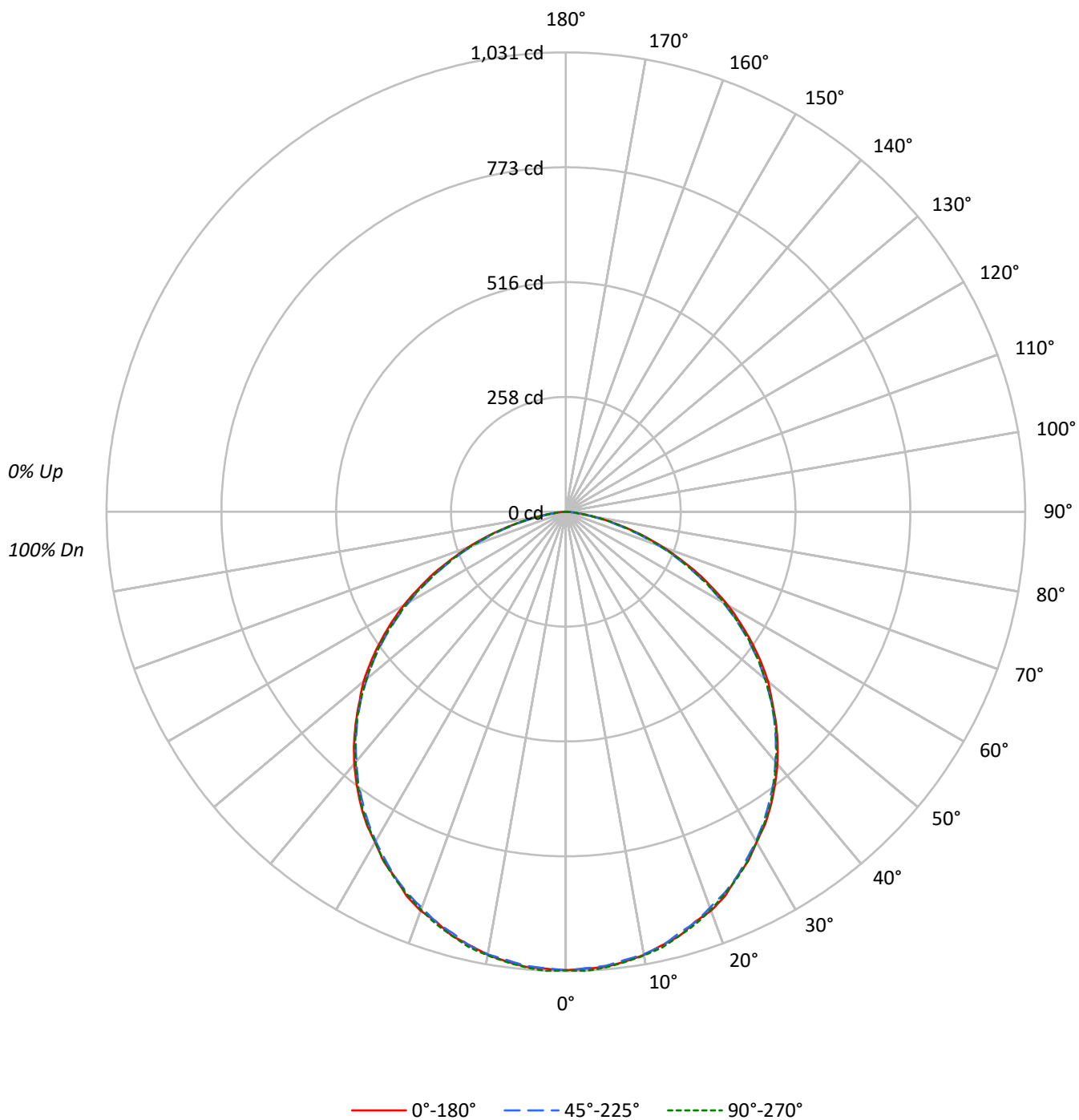
Lumens per Lamp: N/A
Luminaire Lumens: 2732.0 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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

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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	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°	3372	3372	3372
5°	3373	3365	3377
10°	3359	3355	3363
15°	3343	3322	3343
20°	3322	3297	3314
25°	3274	3274	3283
30°	3239	3230	3239
35°	3212	3182	3202
40°	3160	3129	3139
45°	3087	3065	3076
50°	3020	2971	2977
55°	2901	2846	2867
60°	2758	2670	2702
65°	2531	2438	2456
70°	2224	2132	2166
75°	1791	1684	1744
80°	1209	1142	1209
85°	545	500	545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3087 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.2	3.6
10°-20°	277.4	10.2
20°-30°	417.5	15.3
30°-40°	499.3	18.3
40°-50°	510.7	18.7
50°-60°	446.6	16.3
60°-70°	314.1	11.5
70°-80°	146.4	5.4
80°-90°	22.8	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°	792.1	29.0
0°-40°	1291.4	47.3
0°-60°	2248.7	82.3
0°-90°	2732.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2732.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1029	1029	1029	1029	1029	
5°	1025	1022	1023	1020	1027	97
15°	986	984	979	982	986	278
25°	906	907	906	904	908	419
35°	803	802	796	796	800	502
45°	666	664	661	661	664	514
55°	508	503	498	496	502	454
65°	326	320	314	313	317	322
75°	142	138	133	134	138	152
85°	14	13	13	14	14	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1029.0	1029.0	1029.0	1029.0	1029.0
2.5°	1026.6	1029.0	1025.4	1024.2	1031.4
5°	1025.4	1021.7	1023.0	1020.5	1026.6
7.5°	1018.1	1018.1	1014.5	1015.7	1019.3
10°	1009.7	1007.2	1008.4	1008.4	1010.9
12.5°	996.4	998.8	997.6	997.6	1001.2
15°	985.5	984.3	979.4	981.8	985.5
17.5°	964.9	968.5	966.1	966.1	969.8
20°	952.8	950.4	945.6	948.0	950.4
22.5°	933.5	931.1	927.4	928.6	929.8
25°	905.7	906.9	905.7	904.5	908.1
27.5°	885.1	881.5	879.1	879.1	883.9
30°	856.1	858.5	853.7	853.7	856.1
32.5°	831.9	830.7	825.9	827.1	829.5
35°	802.9	801.7	795.6	795.6	800.5
37.5°	771.4	769.0	765.4	763.0	767.8
40°	738.8	738.8	731.5	729.1	734.0
42.5°	703.7	698.9	697.7	698.9	700.1
45°	666.3	663.8	661.4	661.4	663.8
47.5°	627.6	626.3	623.9	621.5	623.9
50°	592.5	585.2	582.8	582.8	584.0
52.5°	551.4	544.1	541.7	539.3	542.9
55°	507.8	503.0	498.2	495.8	501.8
57.5°	464.3	458.3	453.4	454.6	455.9
60°	420.8	412.3	407.5	406.3	412.3
62.5°	372.4	367.6	361.5	361.5	364.0
65°	326.5	320.4	314.4	313.2	316.8
67.5°	276.9	274.5	268.4	266.0	273.3
70°	232.2	224.9	222.5	220.1	226.1
72.5°	186.2	179.0	176.5	177.7	182.6
75°	141.5	137.8	133.0	134.2	137.8
77.5°	100.4	97.9	94.3	96.7	100.4
80°	64.1	62.9	60.5	61.7	64.1
82.5°	37.5	36.3	33.9	35.1	35.1
85°	14.5	13.3	13.3	14.5	14.5
87.5°	3.6	3.6	3.6	2.4	3.6
90°	0.0	0.0	0.0	0.0	0.0

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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	15.85	17.45	16.21	17.76	18.08	15.78	17.38	16.14	17.69	18.01
	3H	17.36	18.80	17.74	19.13	19.49	17.26	18.70	17.63	19.03	19.39
	4H	17.81	19.17	18.21	19.52	19.89	17.70	19.06	18.10	19.41	19.78
	6H	18.04	19.29	18.45	19.66	20.05	17.93	19.19	18.34	19.55	19.94
	8H	18.07	19.27	18.50	19.65	20.05	17.96	19.16	18.39	19.55	19.95
	12H	18.07	19.21	18.50	19.59	20.02	17.96	19.10	18.39	19.49	19.92
4H	2H	16.38	17.74	16.78	18.08	18.46	16.32	17.68	16.72	18.03	18.40
	3H	18.07	19.20	18.48	19.60	20.00	17.98	19.11	18.39	19.51	19.91
	4H	18.62	19.63	19.05	20.05	20.48	18.52	19.53	18.95	19.95	20.38
	6H	18.92	19.80	19.37	20.24	20.70	18.82	19.71	19.28	20.15	20.60
	8H	18.97	19.79	19.43	20.23	20.70	18.87	19.69	19.33	20.14	20.60
	12H	18.98	19.72	19.46	20.19	20.66	18.88	19.62	19.36	20.09	20.56
8H	4H	18.79	19.61	19.25	20.05	20.52	18.69	19.52	19.16	19.96	20.43
	6H	19.14	19.82	19.63	20.31	20.78	19.05	19.73	19.55	20.22	20.70
	8H	19.21	19.82	19.72	20.33	20.82	19.12	19.73	19.63	20.24	20.72
	12H	19.24	19.78	19.75	20.27	20.83	19.15	19.69	19.66	20.18	20.74
12H	4H	18.78	19.52	19.27	20.00	20.47	18.69	19.43	19.17	19.91	20.38
	6H	19.13	19.74	19.64	20.25	20.74	19.05	19.66	19.56	20.16	20.65
	8H	19.24	19.78	19.75	20.27	20.83	19.15	19.68	19.66	20.18	20.74

END OF REPORT