

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: P997341

Luminaire Tested: FSP-22-L3C3-CA125-4000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CA125-4000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

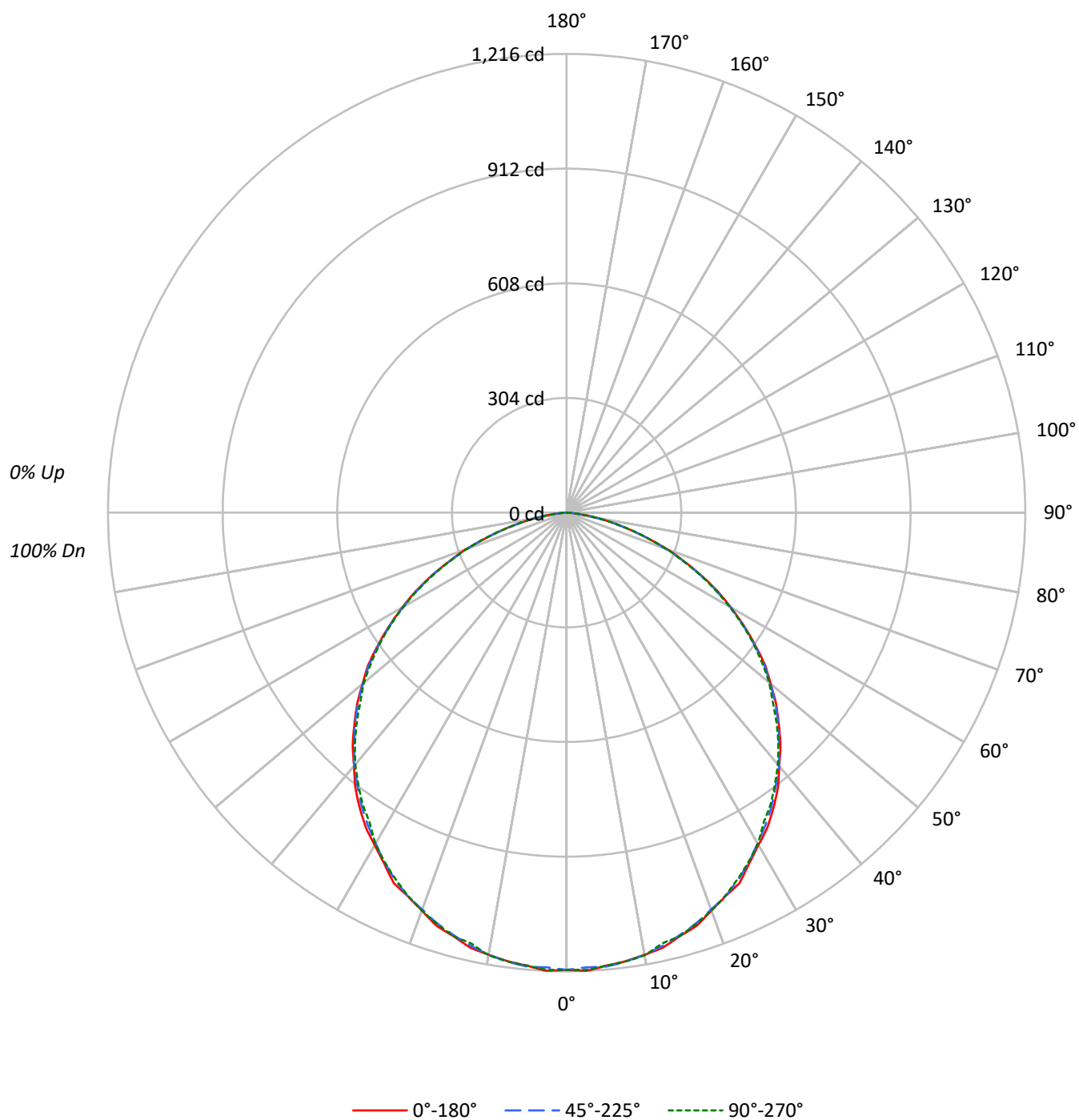
Lumens per Lamp: N/A
Luminaire Lumens: 3285.0 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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

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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	98	95	93		94	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	66	89	79	72	66	76	70	65		73	68	64		71
4	83	72	63	56	81	70	62	56	68	61	55		65	59	54		63
5	77	64	55	49	75	63	55	48	61	53	48		59	52	47		57
6	71	58	49	42	69	57	48	42	55	47	42		53	47	42		52
7	66	52	44	38	64	51	43	37	50	42	37		48	42	37		47
8	61	48	39	33	60	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	54	40	33	27	52	40	32	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3971	3971	3971
5°	3965	3973	3965
10°	3960	3960	3964
15°	3941	3933	3941
20°	3913	3904	3913
25°	3919	3886	3877
30°	3849	3830	3834
35°	3824	3793	3772
40°	3749	3749	3728
45°	3688	3682	3647
50°	3601	3594	3575
55°	3479	3465	3450
60°	3296	3287	3271
65°	3055	3036	3026
70°	2722	2673	2709
75°	2188	2171	2188
80°	1570	1521	1521
85°	771	771	771

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3688 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.7	3.5
10°-20°	327.5	10.0
20°-30°	494.6	15.1
30°-40°	593.1	18.1
40°-50°	610.9	18.6
50°-60°	541.0	16.5
60°-70°	386.9	11.8
70°-80°	185.2	5.6
80°-90°	31.3	1.0
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°	936.7	28.5
0°-40°	1529.8	46.6
0°-60°	2681.6	81.6
0°-90°	3285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3285.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1212	1212	1212	1212	1212	
5°	1206	1204	1208	1206	1206	115
15°	1162	1162	1159	1159	1162	328
25°	1084	1076	1075	1071	1072	496
35°	956	951	948	946	943	597
45°	796	795	795	791	787	614
55°	609	607	607	603	604	544
65°	394	392	392	392	390	390
75°	173	173	172	172	173	186
85°	20	20	20	20	20	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1211.9	1211.9	1211.9	1211.9	1211.9
2.5°	1215.7	1211.9	1206.7	1210.6	1213.1
5°	1205.5	1204.2	1208.0	1205.5	1205.5
7.5°	1199.1	1201.6	1200.3	1200.3	1200.3
10°	1190.1	1190.1	1190.1	1188.8	1191.4
12.5°	1181.1	1174.7	1176.0	1176.0	1169.6
15°	1161.9	1161.9	1159.4	1159.4	1161.9
17.5°	1147.9	1145.3	1141.5	1141.5	1142.8
20°	1122.3	1122.3	1119.7	1117.2	1122.3
22.5°	1100.5	1105.6	1100.5	1095.4	1099.2
25°	1083.9	1076.2	1074.9	1071.1	1072.4
27.5°	1048.1	1044.2	1045.5	1042.9	1044.2
30°	1017.3	1014.8	1012.2	1009.7	1013.5
32.5°	990.5	987.9	981.5	980.2	972.6
35°	955.9	950.8	948.2	945.7	943.1
37.5°	920.1	915.0	911.1	909.8	907.3
40°	876.6	874.0	876.6	870.2	871.5
42.5°	839.5	836.9	833.1	830.5	830.5
45°	796.0	794.7	794.7	790.8	787.0
47.5°	753.7	752.4	749.9	744.8	740.9
50°	706.4	707.7	705.1	700.0	701.3
52.5°	662.9	655.2	659.0	653.9	652.6
55°	609.1	606.6	606.6	602.7	604.0
57.5°	556.7	556.7	554.1	554.1	552.8
60°	502.9	501.6	501.6	500.4	499.1
62.5°	450.4	449.2	446.6	446.6	445.3
65°	394.1	391.6	391.6	391.6	390.3
67.5°	337.8	335.3	334.0	334.0	332.7
70°	284.1	280.2	279.0	279.0	282.8
72.5°	223.9	225.2	223.9	225.2	226.5
75°	172.8	172.8	171.5	171.5	172.8
77.5°	125.4	125.4	125.4	125.4	126.7
80°	83.2	80.6	80.6	80.6	80.6
82.5°	46.1	46.1	46.1	47.3	48.6
85°	20.5	20.5	20.5	20.5	20.5
87.5°	7.7	7.7	7.7	7.7	6.4
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	16.53	18.14	16.89	18.46	18.77	16.50	18.11	16.86	18.42	18.74
	3H	18.08	19.53	18.45	19.85	20.21	18.03	19.49	18.41	19.81	20.17
	4H	18.54	19.90	18.94	20.25	20.63	18.50	19.87	18.90	20.22	20.59
	6H	18.78	20.05	19.19	20.41	20.80	18.75	20.01	19.16	20.38	20.77
	8H	18.82	20.02	19.24	20.41	20.81	18.79	20.00	19.22	20.38	20.78
	12H	18.82	19.98	19.25	20.36	20.79	18.80	19.95	19.23	20.33	20.76
4H	2H	17.10	18.46	17.50	18.81	19.19	17.07	18.44	17.47	18.78	19.16
	3H	18.83	19.97	19.24	20.36	20.76	18.79	19.93	19.20	20.33	20.73
	4H	19.39	20.41	19.82	20.82	21.26	19.36	20.38	19.79	20.79	21.23
	6H	19.71	20.60	20.17	21.05	21.50	19.68	20.58	20.14	21.02	21.47
	8H	19.77	20.60	20.23	21.04	21.51	19.74	20.58	20.20	21.02	21.49
	12H	19.78	20.53	20.27	21.01	21.48	19.76	20.51	20.24	20.99	21.46
8H	4H	19.58	20.42	20.04	20.86	21.32	19.56	20.39	20.02	20.83	21.30
	6H	19.97	20.66	20.46	21.14	21.62	19.94	20.63	20.44	21.12	21.60
	8H	20.05	20.66	20.56	21.17	21.66	20.03	20.65	20.54	21.15	21.64
	12H	20.09	20.63	20.59	21.12	21.68	20.07	20.62	20.58	21.11	21.67
12H	4H	19.58	20.33	20.07	20.81	21.28	19.56	20.30	20.04	20.78	21.25
	6H	19.97	20.59	20.48	21.09	21.58	19.94	20.56	20.45	21.07	21.55
	8H	20.08	20.63	20.59	21.12	21.68	20.06	20.61	20.57	21.10	21.66