

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: P997350

Luminaire Tested: FSP-22-L3C3-CP125-4000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997350
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CP125-4000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

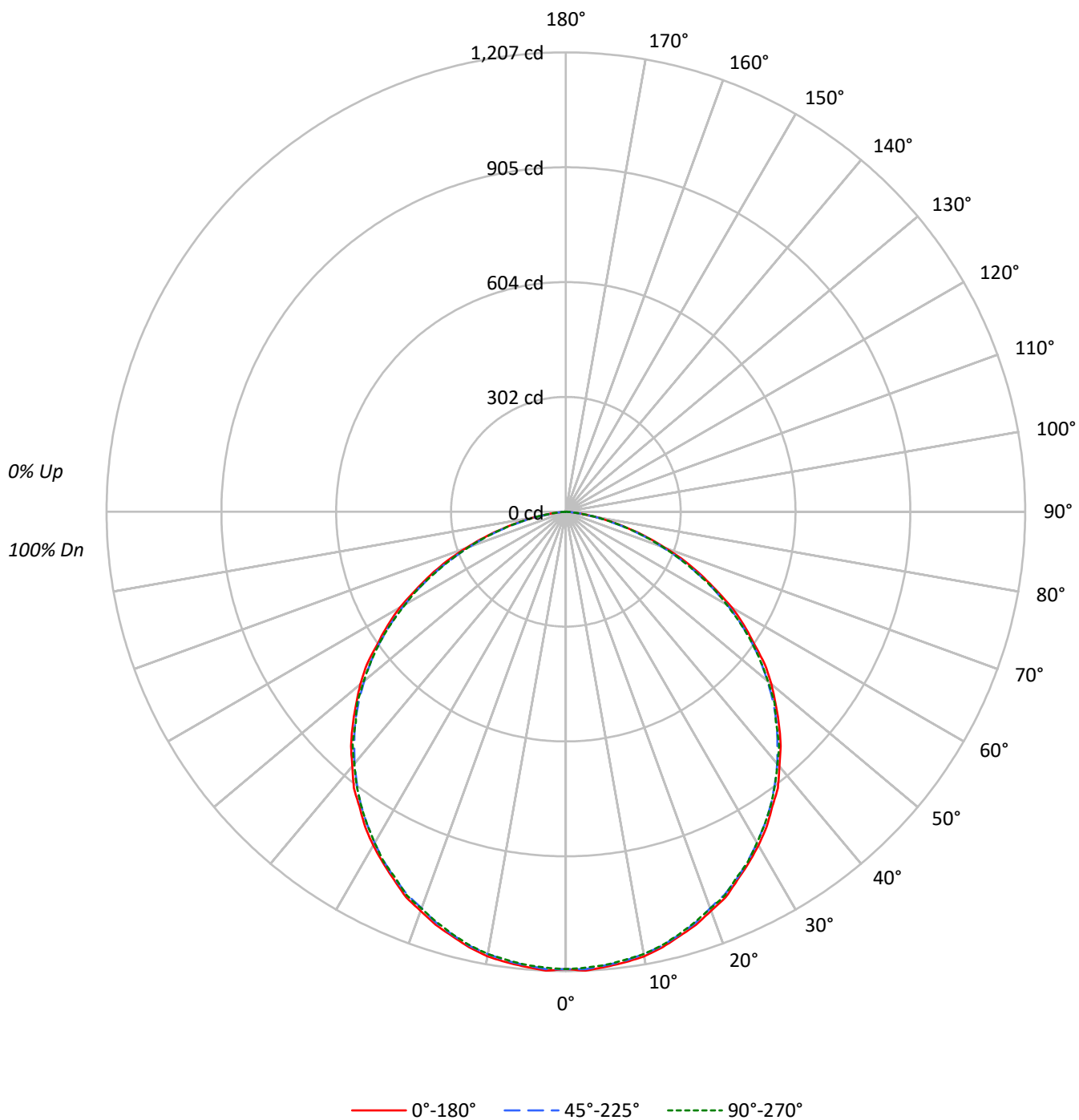
Lumens per Lamp: N/A
Luminaire Lumens: 3239.0 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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		95	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	83	72	63	57	81	70	62	56	68	61	55		66	60	55		63
5	77	64	55	49	75	63	55	49	61	54	48		59	53	47		57
6	71	58	49	43	69	57	49	42	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	27	52	40	32	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3937	3937	3937
5°	3948	3935	3931
10°	3947	3925	3925
15°	3915	3902	3898
20°	3891	3864	3868
25°	3858	3844	3835
30°	3830	3800	3800
35°	3782	3757	3757
40°	3733	3694	3700
45°	3670	3629	3617
50°	3594	3522	3535
55°	3443	3399	3399
60°	3304	3212	3195
65°	3036	2946	2937
70°	2673	2574	2599
75°	2186	2090	2155
80°	1521	1449	1521
85°	722	673	722

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3670 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.7	3.5
10°-20°	324.7	10.0
20°-30°	490.4	15.1
30°-40°	588.0	18.2
40°-50°	604.6	18.7
50°-60°	532.9	16.5
60°-70°	377.3	11.6
70°-80°	178.5	5.5
80°-90°	28.8	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°	928.8	28.7
0°-40°	1516.9	46.8
0°-60°	2654.3	81.9
0°-90°	3239.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3239.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1202	1202	1202	1202	1202	
5°	1200	1199	1196	1195	1195	114
15°	1154	1149	1150	1149	1149	326
25°	1067	1063	1063	1062	1061	492
35°	946	942	939	938	939	593
45°	792	784	783	781	781	611
55°	603	598	595	598	595	541
65°	392	379	380	381	379	387
75°	173	162	165	165	170	185
85°	19	18	18	19	19	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1201.6	1201.6	1201.6	1201.6	1201.6
2.5°	1206.7	1200.3	1202.8	1200.3	1199.0
5°	1200.3	1199.0	1196.4	1195.2	1195.2
7.5°	1193.9	1190.0	1190.0	1187.5	1187.5
10°	1186.2	1179.8	1179.8	1179.8	1179.8
12.5°	1172.1	1165.7	1168.3	1164.4	1167.0
15°	1154.2	1149.1	1150.4	1149.1	1149.1
17.5°	1137.6	1132.5	1132.5	1131.2	1129.9
20°	1115.8	1115.8	1108.1	1112.0	1109.4
22.5°	1096.6	1095.3	1088.9	1086.4	1091.5
25°	1067.2	1063.4	1063.4	1062.1	1060.8
27.5°	1040.3	1039.0	1035.2	1036.5	1036.5
30°	1012.2	1007.1	1004.5	1001.9	1004.5
32.5°	981.5	972.5	972.5	972.5	972.5
35°	945.6	941.8	939.2	938.0	939.2
37.5°	914.9	908.5	902.1	900.8	903.4
40°	872.7	867.6	863.7	865.0	865.0
42.5°	835.6	827.9	822.8	826.6	829.2
45°	792.1	784.4	783.1	780.6	780.6
47.5°	747.3	742.2	738.3	737.1	743.5
50°	705.1	694.8	691.0	691.0	693.5
52.5°	659.0	648.8	644.9	646.2	644.9
55°	602.7	597.6	595.0	597.6	595.0
57.5°	555.4	546.4	543.8	543.8	542.6
60°	504.2	491.4	490.1	488.8	487.5
62.5°	444.0	436.3	435.1	435.1	437.6
65°	391.6	378.8	380.0	381.3	378.8
67.5°	337.8	325.0	325.0	326.3	325.0
70°	279.0	267.4	268.7	271.3	271.3
72.5°	225.2	216.3	217.5	217.5	218.8
75°	172.7	162.5	165.1	165.1	170.2
77.5°	124.1	116.4	117.7	120.3	121.6
80°	80.6	75.5	76.8	78.1	80.6
82.5°	44.8	43.5	43.5	44.8	44.8
85°	19.2	17.9	17.9	19.2	19.2
87.5°	5.1	5.1	3.8	3.8	5.1
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	16.47	18.08	16.84	18.40	18.71	16.42	18.03	16.78	18.34	18.65
	3H	18.00	19.45	18.38	19.78	20.14	17.93	19.38	18.31	19.71	20.07
	4H	18.47	19.83	18.86	20.17	20.55	18.40	19.76	18.79	20.10	20.48
	6H	18.70	19.96	19.11	20.33	20.72	18.64	19.90	19.05	20.26	20.65
	8H	18.74	19.94	19.16	20.33	20.73	18.68	19.88	19.10	20.27	20.66
	12H	18.74	19.89	19.17	20.27	20.70	18.68	19.83	19.11	20.21	20.64
4H	2H	17.02	18.39	17.42	18.73	19.11	16.98	18.34	17.38	18.69	19.06
	3H	18.73	19.86	19.14	20.26	20.66	18.68	19.81	19.09	20.21	20.61
	4H	19.27	20.29	19.70	20.71	21.14	19.23	20.25	19.66	20.67	21.10
	6H	19.59	20.48	20.04	20.92	21.37	19.56	20.44	20.01	20.89	21.34
	8H	19.64	20.47	20.10	20.91	21.38	19.61	20.44	20.07	20.88	21.35
	12H	19.65	20.40	20.13	20.87	21.34	19.63	20.37	20.11	20.85	21.32
8H	4H	19.46	20.29	19.92	20.73	21.20	19.42	20.25	19.88	20.69	21.16
	6H	19.82	20.51	20.32	21.00	21.47	19.80	20.49	20.30	20.97	21.45
	8H	19.90	20.51	20.41	21.02	21.51	19.88	20.49	20.39	21.00	21.49
	12H	19.93	20.48	20.44	20.97	21.53	19.92	20.46	20.43	20.95	21.51
12H	4H	19.46	20.20	19.94	20.68	21.15	19.42	20.16	19.90	20.64	21.11
	6H	19.82	20.44	20.33	20.94	21.43	19.80	20.41	20.31	20.92	21.41
	8H	19.93	20.47	20.44	20.96	21.53	19.91	20.45	20.42	20.94	21.51