

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: P997347

Luminaire Tested: FSP-22-L3C3-CP125-3500K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997347
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-CP125-3500K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

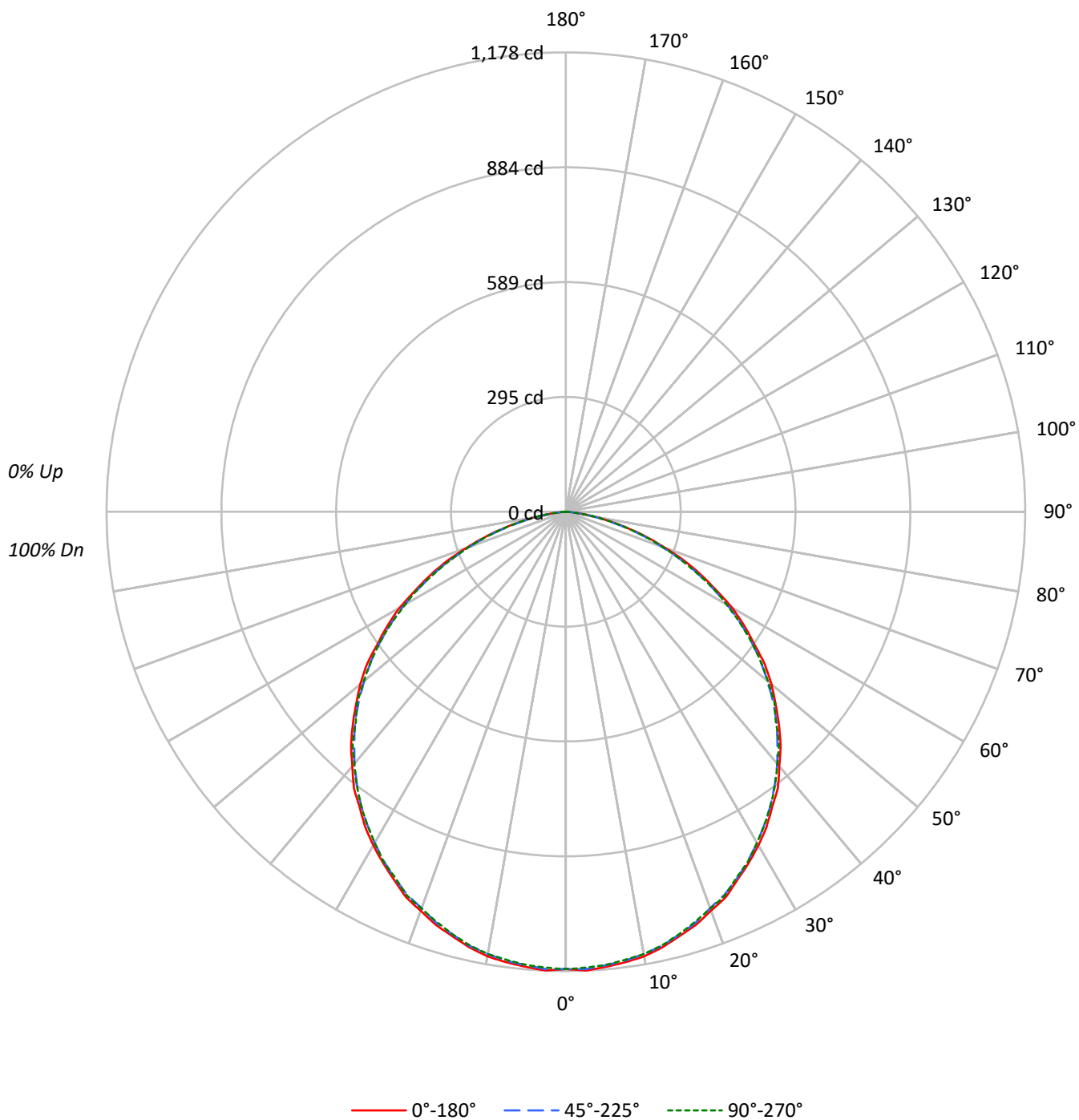
Lumens per Lamp: N/A
Luminaire Lumens: 3161.0 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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°	3842	3842	3842
5°	3853	3840	3836
10°	3851	3831	3831
15°	3821	3808	3804
20°	3797	3771	3775
25°	3765	3752	3743
30°	3737	3709	3709
35°	3692	3666	3666
40°	3643	3605	3611
45°	3582	3542	3530
50°	3508	3437	3450
55°	3360	3317	3317
60°	3224	3134	3118
65°	2962	2876	2865
70°	2608	2512	2536
75°	2134	2039	2103
80°	1485	1413	1485
85°	703	658	703

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3582 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.0	3.5
10°-20°	316.9	10.0
20°-30°	478.6	15.1
30°-40°	573.9	18.2
40°-50°	590.0	18.7
50°-60°	520.1	16.5
60°-70°	368.2	11.6
70°-80°	174.2	5.5
80°-90°	28.1	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°	906.5	28.7
0°-40°	1480.3	46.8
0°-60°	2590.4	81.9
0°-90°	3161.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3161.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1173	1173	1173	1173	1173	
5°	1171	1170	1168	1166	1166	111
15°	1126	1121	1123	1121	1121	318
25°	1042	1038	1038	1036	1035	481
35°	923	919	917	915	917	578
45°	773	766	764	762	762	596
55°	588	583	581	583	581	528
65°	382	370	371	372	370	378
75°	169	159	161	161	166	180
85°	19	18	18	19	19	29
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1172.6	1172.6	1172.6	1172.6	1172.6
2.5°	1177.6	1171.4	1173.9	1171.4	1170.1
5°	1171.4	1170.1	1167.6	1166.4	1166.4
7.5°	1165.1	1161.4	1161.4	1158.9	1158.9
10°	1157.6	1151.4	1151.4	1151.4	1151.4
12.5°	1143.9	1137.7	1140.2	1136.4	1138.9
15°	1126.4	1121.4	1122.7	1121.4	1121.4
17.5°	1110.2	1105.2	1105.2	1103.9	1102.7
20°	1088.9	1088.9	1081.5	1085.2	1082.7
22.5°	1070.2	1069.0	1062.7	1060.2	1065.2
25°	1041.5	1037.7	1037.7	1036.5	1035.3
27.5°	1015.3	1014.0	1010.3	1011.5	1011.5
30°	987.8	982.8	980.3	977.8	980.3
32.5°	957.8	949.1	949.1	949.1	949.1
35°	922.9	919.1	916.6	915.4	916.6
37.5°	892.9	886.6	880.4	879.2	881.6
40°	851.7	846.7	842.9	844.2	844.2
42.5°	815.5	808.0	803.0	806.7	809.2
45°	773.0	765.5	764.3	761.8	761.8
47.5°	729.3	724.3	720.6	719.3	725.6
50°	688.1	678.1	674.3	674.3	676.8
52.5°	643.1	633.1	629.4	630.6	629.4
55°	588.2	583.2	580.7	583.2	580.7
57.5°	542.0	533.2	530.7	530.7	529.5
60°	492.0	479.5	478.3	477.0	475.8
62.5°	433.3	425.8	424.6	424.6	427.1
65°	382.1	369.6	370.9	372.1	369.6
67.5°	329.7	317.2	317.2	318.4	317.2
70°	272.2	261.0	262.2	264.7	264.7
72.5°	219.8	211.0	212.3	212.3	213.5
75°	168.6	158.6	161.1	161.1	166.1
77.5°	121.1	113.6	114.9	117.4	118.6
80°	78.7	73.7	74.9	76.2	78.7
82.5°	43.7	42.5	42.5	43.7	43.7
85°	18.7	17.5	17.5	18.7	18.7
87.5°	5.0	5.0	3.7	3.7	5.0
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	16.39	18.00	16.75	18.31	18.63	16.33	17.94	16.70	18.25	18.57
	3H	17.92	19.37	18.30	19.69	20.05	17.85	19.30	18.22	19.62	19.98
	4H	18.38	19.74	18.78	20.09	20.47	18.31	19.67	18.71	20.02	20.40
	6H	18.62	19.88	19.03	20.24	20.63	18.55	19.81	18.96	20.18	20.57
	8H	18.65	19.85	19.08	20.24	20.64	18.59	19.79	19.02	20.18	20.58
	12H	18.65	19.80	19.08	20.19	20.61	18.59	19.74	19.02	20.12	20.55
4H	2H	16.94	18.30	17.34	18.65	19.02	16.89	18.25	17.29	18.60	18.98
	3H	18.64	19.78	19.05	20.18	20.58	18.60	19.73	19.00	20.13	20.53
	4H	19.19	20.21	19.62	20.62	21.06	19.15	20.17	19.58	20.58	21.02
	6H	19.50	20.39	19.96	20.83	21.29	19.47	20.36	19.93	20.80	21.26
	8H	19.55	20.38	20.02	20.83	21.29	19.53	20.36	19.99	20.80	21.26
	12H	19.57	20.31	20.05	20.79	21.26	19.54	20.28	20.02	20.76	21.23
8H	4H	19.37	20.20	19.83	20.65	21.11	19.34	20.17	19.80	20.61	21.07
	6H	19.74	20.42	20.23	20.91	21.39	19.72	20.40	20.21	20.89	21.37
	8H	19.82	20.43	20.33	20.94	21.42	19.80	20.41	20.31	20.92	21.40
	12H	19.85	20.39	20.36	20.88	21.44	19.83	20.37	20.34	20.87	21.43
12H	4H	19.37	20.12	19.86	20.59	21.06	19.34	20.08	19.82	20.56	21.03
	6H	19.74	20.35	20.25	20.86	21.35	19.71	20.33	20.22	20.84	21.32
	8H	19.85	20.39	20.35	20.88	21.44	19.83	20.37	20.33	20.86	21.42