

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: P997293

Luminaire Tested: FSP-14-L3C3-CP125-3500K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CP125-3500K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

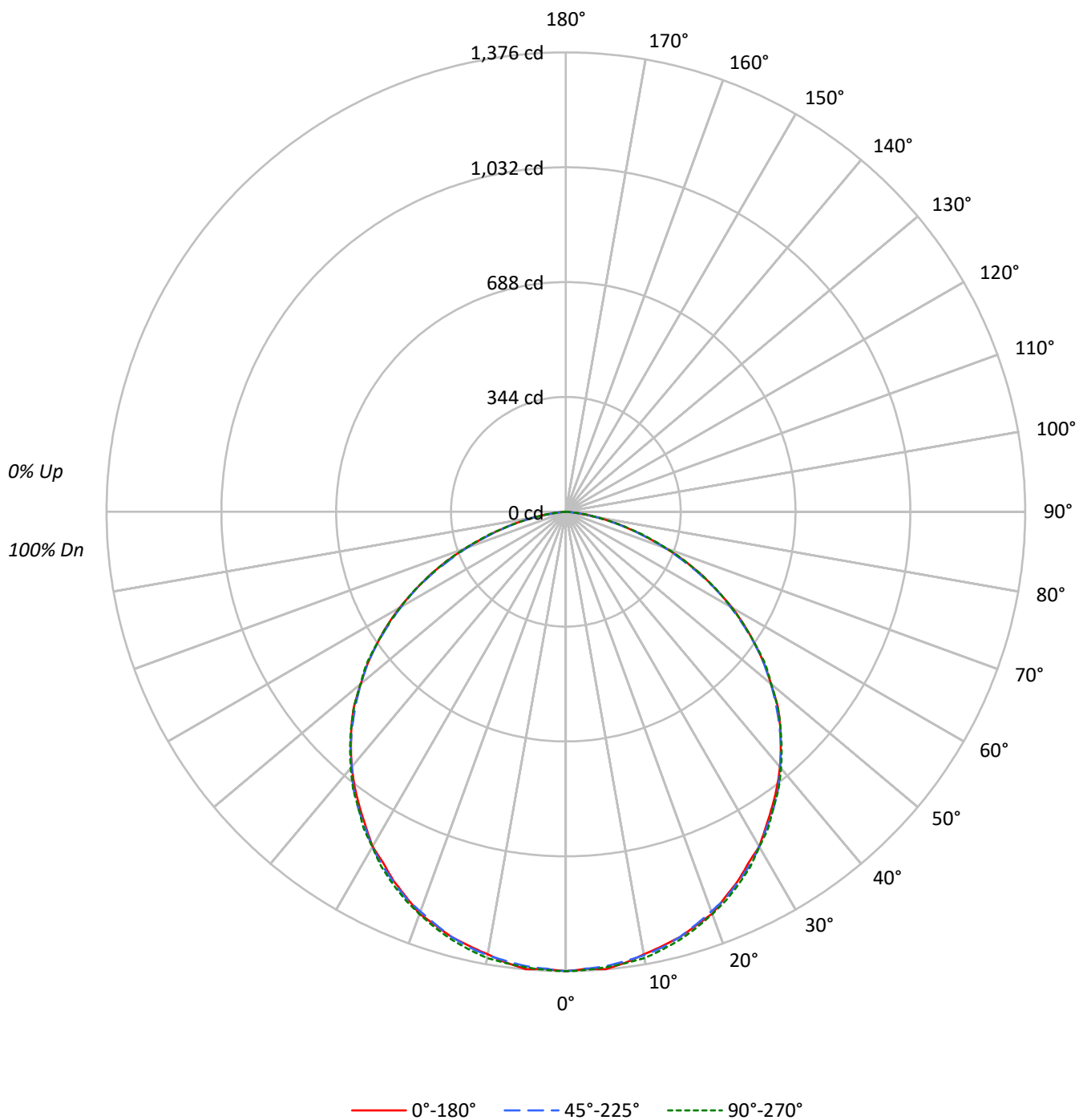
Lumens per Lamp: N/A
Luminaire Lumens: 3740.0 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 36.3
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	55		63
5	77	64	55	49	75	63	55	48	61	53	48		59	52	47		57
6	71	58	49	43	69	57	48	42	55	47	42		53	47	42		52
7	66	52	44	38	64	51	43	37	50	43	37		49	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°	4782	4782	4782
5°	4797	4766	4779
10°	4750	4759	4790
15°	4745	4745	4772
20°	4738	4711	4743
25°	4678	4688	4712
30°	4645	4650	4650
35°	4572	4599	4593
40°	4527	4527	4549
45°	4462	4443	4468
50°	4334	4334	4341
55°	4192	4184	4199
60°	4002	3958	3975
65°	3697	3646	3697
70°	3236	3197	3273
75°	2649	2615	2682
80°	1875	1825	1875
85°	897	845	845

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4468 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.1	3.5
10°-20°	372.7	10.0
20°-30°	563.9	15.1
30°-40°	677.3	18.1
40°-50°	697.7	18.7
50°-60°	616.2	16.5
60°-70°	439.2	11.7
70°-80°	209.5	5.6
80°-90°	33.4	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°	1066.7	28.5
0°-40°	1744.0	46.6
0°-60°	3057.9	81.8
0°-90°	3740.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3740.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1376	1376	1376	1376	1376	
5°	1375	1370	1366	1370	1370	130
15°	1319	1319	1319	1320	1326	372
25°	1220	1218	1223	1229	1229	562
35°	1078	1082	1084	1087	1083	675
45°	908	904	904	908	909	699
55°	692	692	691	687	693	618
65°	450	446	443	438	450	443
75°	197	196	195	192	200	211
85°	22	21	21	21	21	34
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1376.3	1376.3	1376.3	1376.3	1376.3
2.5°	1370.1	1371.3	1370.1	1375.1	1373.8
5°	1375.1	1370.1	1366.3	1370.1	1370.1
7.5°	1362.6	1358.8	1357.6	1365.1	1363.8
10°	1346.3	1355.1	1348.8	1353.8	1357.6
12.5°	1332.6	1338.8	1336.3	1348.8	1342.6
15°	1318.9	1318.9	1318.9	1320.1	1326.4
17.5°	1298.9	1297.6	1296.4	1301.4	1305.1
20°	1281.4	1271.4	1273.9	1281.4	1282.6
22.5°	1248.9	1253.9	1252.7	1257.7	1257.7
25°	1220.2	1217.7	1222.7	1228.9	1228.9
27.5°	1185.2	1189.0	1192.7	1195.2	1197.7
30°	1157.7	1152.8	1159.0	1160.2	1159.0
32.5°	1116.5	1115.3	1120.3	1126.5	1126.5
35°	1077.8	1081.6	1084.1	1086.6	1082.8
37.5°	1039.1	1037.9	1045.3	1044.1	1046.6
40°	997.9	996.6	997.9	1000.4	1002.9
42.5°	952.9	949.2	954.2	955.4	956.7
45°	908.0	904.2	904.2	908.0	909.2
47.5°	860.5	853.0	853.0	854.3	859.3
50°	801.8	800.6	801.8	799.3	803.1
52.5°	749.4	748.1	748.1	745.6	754.3
55°	691.9	691.9	690.7	686.9	693.1
57.5°	634.5	633.2	629.5	629.5	633.2
60°	575.8	572.0	569.5	565.8	572.0
62.5°	510.8	510.8	509.6	502.1	512.1
65°	449.6	445.9	443.4	438.4	449.6
67.5°	385.9	382.2	377.2	375.9	385.9
70°	318.5	319.7	314.7	311.0	322.2
72.5°	254.8	259.8	252.3	251.0	259.8
75°	197.3	196.1	194.8	192.3	199.8
77.5°	142.4	141.1	139.9	137.4	144.9
80°	93.7	93.7	91.2	89.9	93.7
82.5°	52.5	51.2	50.0	51.2	53.7
85°	22.5	21.2	21.2	21.2	21.2
87.5°	5.0	5.0	3.7	3.7	3.7
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	17.18	18.79	17.55	19.11	19.42	17.15	18.76	17.51	19.07	19.38
	3H	18.73	20.18	19.10	20.50	20.87	18.68	20.13	19.06	20.46	20.82
	4H	19.19	20.56	19.59	20.90	21.28	19.15	20.52	19.55	20.87	21.24
	6H	19.43	20.70	19.85	21.06	21.45	19.40	20.66	19.81	21.03	21.42
	8H	19.47	20.67	19.90	21.06	21.46	19.44	20.64	19.86	21.03	21.43
	12H	19.47	20.63	19.90	21.01	21.44	19.44	20.59	19.87	20.97	21.40
4H	2H	17.75	19.11	18.14	19.46	19.83	17.72	19.08	18.11	19.43	19.80
	3H	19.48	20.61	19.89	21.01	21.41	19.43	20.56	19.84	20.96	21.36
	4H	20.04	21.06	20.47	21.47	21.91	19.99	21.01	20.42	21.42	21.86
	6H	20.36	21.25	20.82	21.69	22.15	20.31	21.20	20.77	21.64	22.10
	8H	20.42	21.25	20.88	21.69	22.16	20.37	21.20	20.83	21.64	22.11
	12H	20.43	21.18	20.91	21.65	22.12	20.38	21.13	20.86	21.60	22.07
8H	4H	20.23	21.06	20.69	21.50	21.97	20.18	21.01	20.64	21.46	21.92
	6H	20.61	21.30	21.11	21.79	22.26	20.56	21.25	21.06	21.74	22.21
	8H	20.69	21.30	21.20	21.81	22.30	20.64	21.26	21.15	21.77	22.25
	12H	20.73	21.27	21.23	21.76	22.32	20.68	21.22	21.19	21.71	22.27
12H	4H	20.23	20.97	20.71	21.45	21.92	20.19	20.93	20.67	21.41	21.88
	6H	20.61	21.23	21.12	21.73	22.22	20.56	21.18	21.07	21.69	22.17
	8H	20.72	21.26	21.23	21.75	22.32	20.68	21.22	21.18	21.71	22.27