

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: P997389

Luminaire Tested: FSP-24-L3C3-CA125-3000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997389
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-15)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-24-L3C3-CA125-3000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

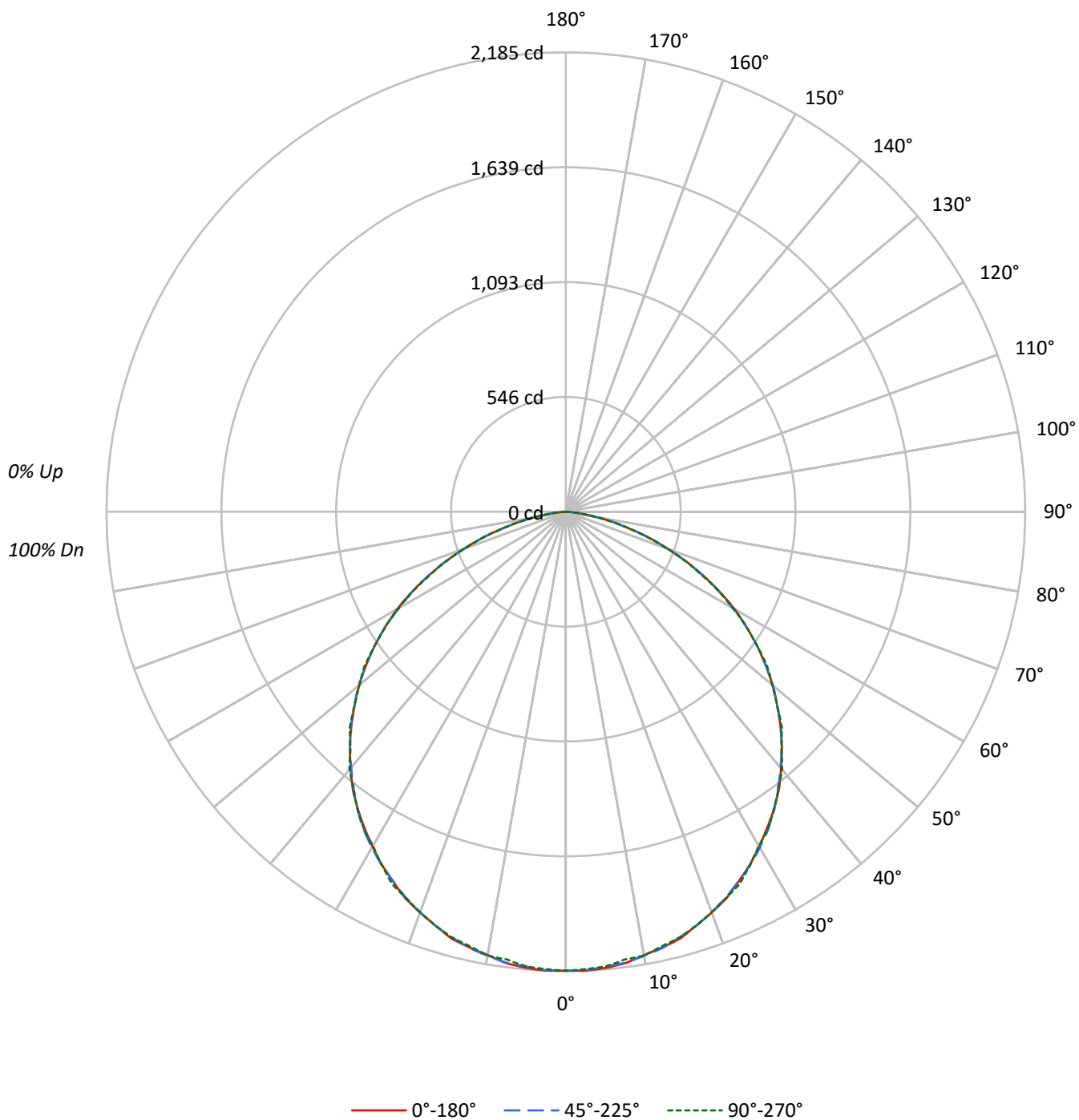
Lumens per Lamp: N/A
Luminaire Lumens: 5991.0 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 60.5
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	95	98	95	92		94	92	90		91
2	100	92	85	79	97	90	84	78	86	81	77		83	79	75		80
3	91	81	73	66	88	79	72	66	76	70	64		73	68	63		71
4	83	71	63	56	81	70	62	56	68	61	55		65	59	54		63
5	77	64	55	48	74	63	54	48	61	53	48		59	52	47		57
6	71	57	49	42	69	57	48	42	55	47	42		53	46	41		51
7	66	52	43	37	64	51	43	37	50	42	37		48	42	37		47
8	61	48	39	33	59	47	39	33	46	38	33		44	38	33		43
9	57	44	35	30	56	43	35	30	42	35	30		41	34	30		40
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3400	3400	3400
5°	3405	3394	3394
10°	3387	3392	3390
15°	3389	3378	3381
20°	3363	3360	3360
25°	3338	3335	3359
30°	3309	3319	3300
35°	3281	3288	3284
40°	3237	3231	3255
45°	3179	3187	3202
50°	3111	3119	3107
55°	3011	3016	3011
60°	2888	2855	2866
65°	2663	2669	2637
70°	2359	2343	2335
75°	1919	1939	1929
80°	1368	1368	1352
85°	651	651	681

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3202 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.3	3.4
10°-20°	591.2	9.9
20°-30°	895.6	14.9
30°-40°	1078.9	18.0
40°-50°	1114.0	18.6
50°-60°	990.9	16.5
60°-70°	712.9	11.9
70°-80°	344.1	5.7
80°-90°	57.1	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°	1693.2	28.3
0°-40°	2772.1	46.3
0°-60°	4877.0	81.4
0°-90°	5991.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5991.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2183	2183	2183	2183	2183	
5°	2178	2169	2171	2166	2171	207
15°	2102	2098	2094	2100	2096	592
25°	1942	1942	1940	1940	1954	896
35°	1726	1724	1729	1727	1727	1079
45°	1443	1445	1447	1445	1454	1113
55°	1109	1107	1110	1112	1109	991
65°	722	724	724	726	716	715
75°	319	320	322	322	320	344
85°	36	38	36	36	38	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2182.9	2182.9	2182.9	2182.9	2182.9
2.5°	2184.6	2182.9	2182.9	2172.5	2177.7
5°	2177.7	2169.0	2170.8	2165.6	2170.8
7.5°	2165.6	2160.4	2163.8	2151.7	2148.2
10°	2141.3	2143.0	2144.8	2136.1	2143.0
12.5°	2122.2	2127.4	2125.7	2117.0	2115.3
15°	2101.5	2098.0	2094.5	2099.7	2096.3
17.5°	2063.3	2059.9	2065.1	2063.3	2063.3
20°	2028.7	2027.0	2027.0	2021.8	2027.0
22.5°	1992.3	1987.1	1987.1	1994.0	1988.8
25°	1942.1	1942.1	1940.3	1940.3	1954.2
27.5°	1893.6	1891.8	1897.0	1900.5	1895.3
30°	1839.9	1839.9	1845.1	1841.6	1834.7
32.5°	1782.7	1781.0	1791.3	1786.2	1787.9
35°	1725.5	1723.8	1729.0	1727.2	1727.2
37.5°	1664.9	1654.5	1658.0	1666.6	1659.7
40°	1592.1	1590.4	1588.7	1592.1	1600.8
42.5°	1521.1	1517.6	1519.4	1522.8	1515.9
45°	1443.1	1444.9	1446.6	1444.9	1453.5
47.5°	1363.4	1366.9	1363.4	1372.1	1363.4
50°	1283.7	1282.0	1287.2	1287.2	1282.0
52.5°	1197.1	1198.9	1197.1	1204.1	1207.5
55°	1108.8	1107.0	1110.5	1112.2	1108.8
57.5°	1018.7	1018.7	1016.9	1023.9	1016.9
60°	926.9	919.9	916.5	919.9	919.9
62.5°	826.4	821.2	821.2	821.2	821.2
65°	722.4	724.2	724.2	725.9	715.5
67.5°	621.9	618.5	621.9	616.8	618.5
70°	518.0	519.7	514.5	518.0	512.8
72.5°	421.0	421.0	421.0	417.5	417.5
75°	318.8	320.5	322.2	322.2	320.5
77.5°	232.1	230.4	232.1	232.1	232.1
80°	152.5	149.0	152.5	150.7	150.7
82.5°	84.9	86.6	86.6	88.4	88.4
85°	36.4	38.1	36.4	36.4	38.1
87.5°	10.4	10.4	10.4	10.4	10.4
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	16.05	17.67	16.42	17.98	18.30	16.08	17.69	16.44	18.01	18.32
	3H	17.62	19.07	17.99	19.40	19.76	17.62	19.07	17.99	19.40	19.76
	4H	18.09	19.46	18.49	19.81	20.18	18.09	19.46	18.49	19.81	20.18
	6H	18.34	19.61	18.75	19.97	20.36	18.34	19.61	18.75	19.97	20.36
	8H	18.38	19.58	18.80	19.97	20.37	18.38	19.59	18.80	19.98	20.38
	12H	18.38	19.54	18.81	19.92	20.35	18.38	19.54	18.81	19.92	20.35
4H	2H	16.64	18.01	17.03	18.35	18.73	16.66	18.02	17.05	18.37	18.75
	3H	18.39	19.53	18.80	19.92	20.33	18.38	19.53	18.79	19.92	20.32
	4H	18.95	19.98	19.39	20.40	20.83	18.96	19.98	19.39	20.40	20.83
	6H	19.28	20.18	19.74	20.62	21.08	19.29	20.18	19.74	20.62	21.08
	8H	19.34	20.17	19.80	20.62	21.08	19.34	20.18	19.81	20.62	21.09
	12H	19.36	20.11	19.84	20.58	21.05	19.36	20.11	19.84	20.59	21.06
8H	4H	19.16	20.00	19.62	20.44	20.90	19.16	20.00	19.62	20.44	20.91
	6H	19.55	20.24	20.04	20.73	21.20	19.55	20.24	20.04	20.73	21.21
	8H	19.63	20.25	20.14	20.75	21.24	19.64	20.26	20.15	20.76	21.25
	12H	19.67	20.21	20.18	20.70	21.27	19.68	20.22	20.19	20.72	21.28
12H	4H	19.16	19.91	19.64	20.39	20.86	19.16	19.91	19.64	20.39	20.86
	6H	19.55	20.17	20.06	20.68	21.16	19.55	20.17	20.06	20.68	21.17
	8H	19.66	20.21	20.17	20.70	21.26	19.67	20.22	20.18	20.71	21.27