

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: P997401

Luminaire Tested: FSP-24-L3C3-CP125-3500K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997401
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-16)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-24-L3C3-CP125-3500K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

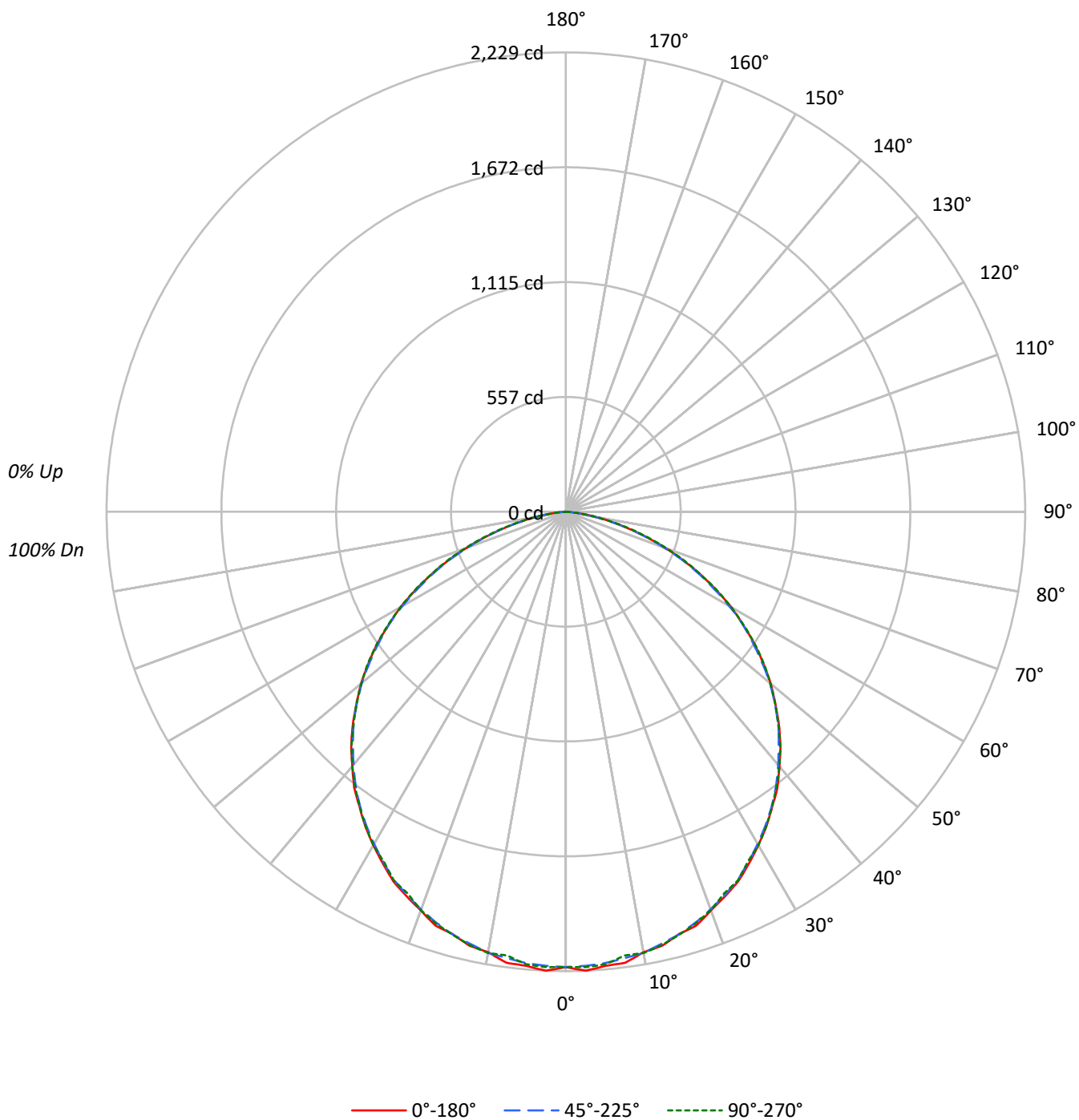
Lumens per Lamp: N/A
Luminaire Lumens: 6028.0 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

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	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°	3441	3441	3441
5°	3457	3438	3446
10°	3432	3438	3438
15°	3421	3424	3427
20°	3412	3403	3409
25°	3402	3390	3393
30°	3360	3348	3360
35°	3321	3314	3317
40°	3277	3259	3277
45°	3222	3210	3210
50°	3145	3131	3136
55°	3032	3007	3041
60°	2885	2857	2885
65°	2659	2626	2666
70°	2346	2305	2379
75°	1901	1901	1966
80°	1320	1320	1400
85°	642	642	706

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3222 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.1	3.5
10°-20°	599.3	9.9
20°-30°	907.6	15.1
30°-40°	1091.0	18.1
40°-50°	1124.9	18.7
50°-60°	993.4	16.5
60°-70°	708.5	11.8
70°-80°	338.2	5.6
80°-90°	56.0	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°	1716.0	28.5
0°-40°	2807.1	46.6
0°-60°	4925.4	81.7
0°-90°	6028.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6028.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2209	2209	2209	2209	2209	
5°	2211	2200	2198	2195	2204	210
15°	2121	2127	2123	2121	2125	601
25°	1980	1972	1972	1969	1974	910
35°	1746	1741	1743	1744	1744	1094
45°	1463	1459	1457	1459	1457	1127
55°	1116	1113	1107	1111	1120	996
65°	722	725	712	711	723	713
75°	316	320	316	309	327	339
85°	36	36	36	38	40	56
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2209.3	2209.3	2209.3	2209.3	2209.3
2.5°	2229.0	2209.3	2205.7	2209.3	2211.1
5°	2211.1	2200.3	2198.5	2194.9	2203.9
7.5°	2207.5	2193.1	2184.1	2184.1	2171.6
10°	2169.8	2177.0	2173.4	2166.2	2173.4
12.5°	2157.2	2150.0	2146.5	2146.5	2153.6
15°	2121.3	2126.7	2123.1	2121.3	2124.9
17.5°	2105.2	2096.2	2090.8	2089.0	2094.4
20°	2058.5	2053.1	2053.1	2054.9	2056.7
22.5°	2019.0	2011.9	2013.6	2019.0	2004.7
25°	1979.5	1972.4	1972.4	1968.8	1974.2
27.5°	1923.9	1920.3	1916.7	1920.3	1913.1
30°	1868.3	1862.9	1861.1	1866.5	1868.3
32.5°	1810.8	1807.3	1803.7	1805.5	1809.1
35°	1746.2	1740.9	1742.6	1744.4	1744.4
37.5°	1687.0	1678.0	1676.2	1681.6	1679.8
40°	1611.6	1615.2	1602.7	1609.8	1611.6
42.5°	1541.6	1534.5	1529.1	1545.2	1539.8
45°	1462.7	1459.1	1457.3	1459.1	1457.3
47.5°	1378.3	1380.1	1374.7	1381.9	1376.5
50°	1297.6	1299.4	1292.2	1292.2	1294.0
52.5°	1207.8	1213.2	1198.9	1197.1	1211.4
55°	1116.3	1112.7	1107.3	1110.9	1119.9
57.5°	1019.4	1021.2	1017.6	1019.4	1023.0
60°	926.1	922.5	917.1	908.1	926.1
62.5°	823.8	827.4	811.2	811.2	829.1
65°	721.5	725.1	712.5	710.7	723.3
67.5°	617.4	617.4	612.0	603.0	626.3
70°	515.1	515.1	506.1	506.1	522.3
72.5°	412.8	411.0	409.2	403.8	421.8
75°	315.9	319.5	315.9	308.7	326.6
77.5°	226.1	229.7	224.3	226.1	235.1
80°	147.2	147.2	147.2	145.4	156.1
82.5°	86.1	84.4	84.4	86.1	89.7
85°	35.9	35.9	35.9	37.7	39.5
87.5°	9.0	9.0	10.8	9.0	10.8
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	18.29	16.04	17.65	16.41	17.97	18.28
	3H	17.59	19.05	17.97	19.37	19.73	17.58	19.03	17.95	19.36	19.72
	4H	18.06	19.42	18.46	19.77	20.15	18.05	19.42	18.45	19.76	20.14
	6H	18.29	19.56	18.70	19.92	20.31	18.31	19.57	18.72	19.93	20.32
	8H	18.33	19.53	18.75	19.92	20.32	18.35	19.55	18.77	19.94	20.34
	12H	18.33	19.49	18.76	19.87	20.30	18.35	19.51	18.78	19.89	20.32
4H	2H	16.61	17.98	17.01	18.32	18.70	16.60	17.97	17.00	18.31	18.69
	3H	18.34	19.48	18.75	19.87	20.27	18.32	19.45	18.73	19.85	20.25
	4H	18.90	19.93	19.33	20.34	20.78	18.88	19.90	19.31	20.32	20.75
	6H	19.22	20.11	19.68	20.55	21.01	19.21	20.10	19.67	20.54	21.00
	8H	19.27	20.11	19.74	20.55	21.02	19.27	20.10	19.73	20.55	21.01
	12H	19.29	20.04	19.77	20.51	20.98	19.29	20.04	19.77	20.52	20.99
8H	4H	19.09	19.93	19.56	20.37	20.84	19.07	19.91	19.53	20.35	20.81
	6H	19.47	20.16	19.96	20.65	21.12	19.46	20.15	19.96	20.64	21.11
	8H	19.55	20.17	20.06	20.67	21.16	19.55	20.17	20.06	20.67	21.16
	12H	19.59	20.13	20.10	20.62	21.19	19.59	20.14	20.10	20.63	21.19
12H	4H	19.10	19.84	19.58	20.32	20.79	19.08	19.82	19.56	20.30	20.77
	6H	19.47	20.09	19.98	20.60	21.08	19.46	20.08	19.97	20.59	21.07
	8H	19.58	20.13	20.09	20.62	21.18	19.58	20.13	20.09	20.62	21.18