

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: P997425

Luminaire Tested: FSP-24-L3C3-CP375-3000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-21)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-24-L3C3-CP375-3000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

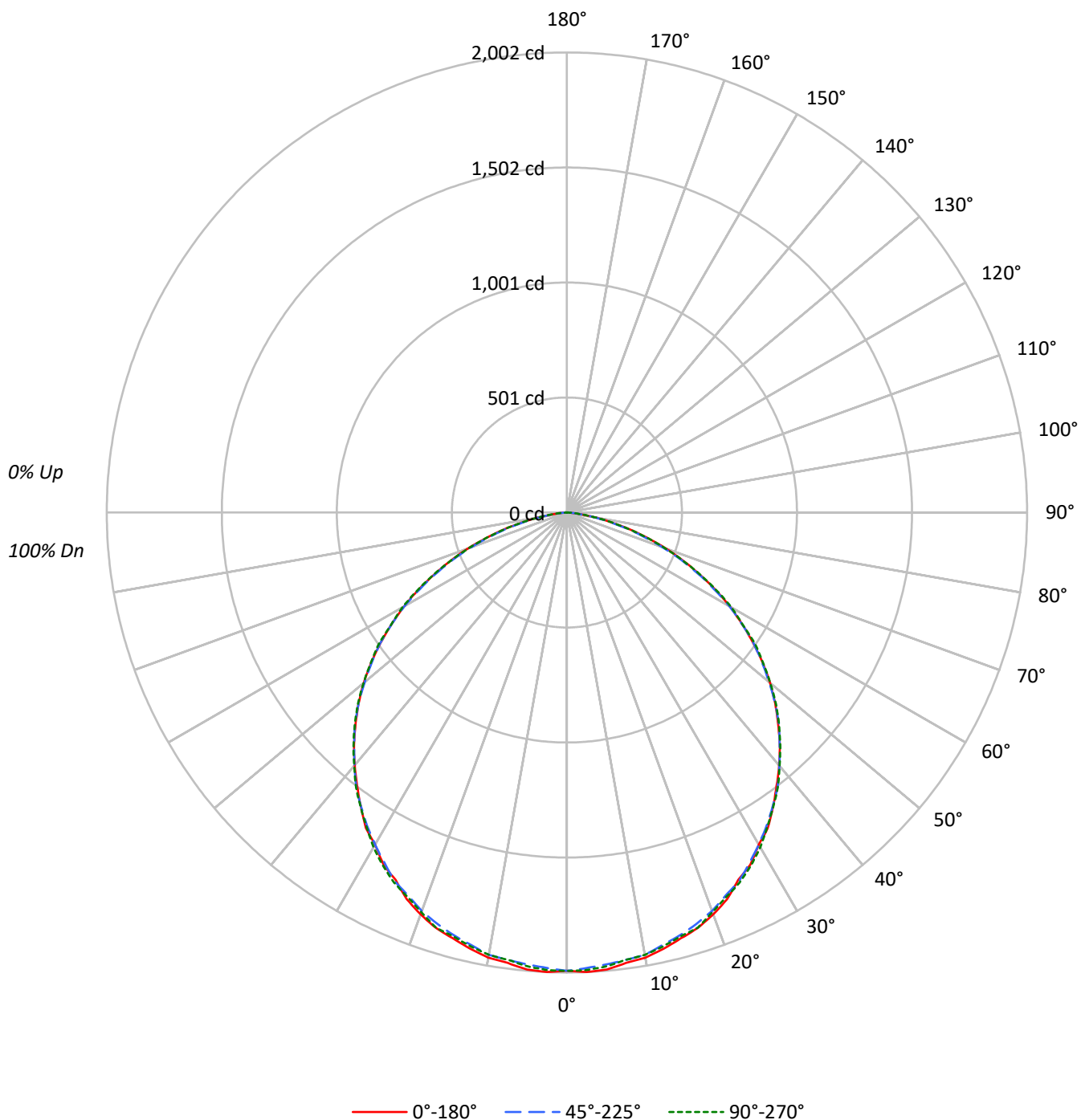
Lumens per Lamp: N/A
Luminaire Lumens: 5366.0 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

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		95	92	90		91
2	100	92	85	80	97	90	84	79	87	81	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	84	72	63	57	81	70	62	56	68	61	55		66	60	55		64
5	77	64	55	49	75	63	55	49	61	54	48		59	53	48		57
6	71	58	49	43	69	57	49	43	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	33	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3107	3107	3107
5°	3122	3086	3100
10°	3111	3092	3092
15°	3094	3071	3080
20°	3085	3059	3068
25°	3032	3044	3056
30°	3002	3002	3026
35°	2972	2969	2976
40°	2921	2925	2928
45°	2863	2875	2875
50°	2797	2780	2801
55°	2687	2692	2715
60°	2554	2543	2575
65°	2344	2318	2357
70°	2084	2020	2075
75°	1689	1617	1679
80°	1166	1088	1166
85°	527	465	495

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2878 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.4	3.5
10°-20°	539.6	10.1
20°-30°	814.8	15.2
30°-40°	976.7	18.2
40°-50°	1002.7	18.7
50°-60°	881.9	16.4
60°-70°	623.9	11.6
70°-80°	292.9	5.5
80°-90°	45.1	0.8
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°	1542.8	28.8
0°-40°	2519.4	47.0
0°-60°	4404.1	82.1
0°-90°	5366.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5366.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1995	1995	1995	1995	1995	
5°	1996	1991	1974	1982	1982	189
15°	1918	1913	1904	1906	1910	542
25°	1764	1764	1771	1766	1778	816
35°	1563	1558	1561	1563	1565	977
45°	1300	1296	1305	1307	1305	1003
55°	990	990	991	986	1000	883
65°	636	627	629	626	639	631
75°	281	272	269	272	279	301
85°	30	30	26	28	28	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1994.6	1994.6	1994.6	1994.6	1994.6
2.5°	2001.5	1998.0	1984.2	1987.6	1992.8
5°	1996.3	1991.1	1973.8	1982.4	1982.4
7.5°	1977.2	1972.0	1963.4	1968.6	1963.4
10°	1966.8	1965.1	1954.7	1953.0	1954.7
12.5°	1944.3	1939.1	1927.0	1935.6	1933.9
15°	1918.3	1913.1	1904.4	1906.2	1909.6
17.5°	1895.8	1892.3	1876.7	1881.9	1894.0
20°	1861.1	1849.0	1845.5	1847.3	1850.7
22.5°	1821.3	1812.6	1803.9	1807.4	1810.9
25°	1764.1	1764.1	1771.0	1765.8	1777.9
27.5°	1727.7	1724.2	1719.0	1719.0	1732.9
30°	1668.8	1668.8	1668.8	1674.0	1682.6
32.5°	1627.2	1620.2	1616.8	1618.5	1622.0
35°	1563.1	1557.9	1561.3	1563.1	1564.8
37.5°	1498.9	1497.2	1505.9	1500.7	1507.6
40°	1436.6	1433.1	1438.3	1434.8	1440.0
42.5°	1370.7	1363.8	1369.0	1372.4	1374.2
45°	1299.7	1296.2	1304.9	1306.6	1304.9
47.5°	1228.6	1223.4	1228.6	1233.8	1233.8
50°	1154.1	1147.2	1147.2	1152.4	1155.8
52.5°	1072.7	1065.7	1069.2	1074.4	1076.1
55°	989.5	989.5	991.2	986.0	999.9
57.5°	902.8	895.9	902.8	899.4	906.3
60°	819.7	814.5	816.2	809.3	826.6
62.5°	727.8	722.6	720.9	719.1	734.7
65°	636.0	627.3	629.0	625.6	639.4
67.5°	547.6	538.9	535.5	535.5	545.9
70°	457.5	443.6	443.6	440.2	455.7
72.5°	367.4	357.0	351.8	355.2	367.4
75°	280.7	272.1	268.6	272.1	279.0
77.5°	199.3	195.8	190.6	194.1	201.0
80°	130.0	126.5	121.3	126.5	130.0
82.5°	71.0	69.3	65.8	69.3	69.3
85°	29.5	29.5	26.0	27.7	27.7
87.5°	8.7	6.9	6.9	5.2	5.2
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	15.57	17.18	15.93	17.49	17.80	15.59	17.20	15.96	17.51	17.83
	3H	17.11	18.55	17.48	18.88	19.24	17.11	18.55	17.48	18.88	19.24
	4H	17.57	18.93	17.97	19.28	19.65	17.57	18.93	17.96	19.27	19.65
	6H	17.80	19.06	18.21	19.42	19.81	17.80	19.06	18.21	19.42	19.81
	8H	17.83	19.03	18.26	19.42	19.82	17.83	19.03	18.26	19.42	19.82
	12H	17.83	18.98	18.26	19.36	19.79	17.83	18.98	18.26	19.36	19.79
4H	2H	16.13	17.49	16.53	17.84	18.22	16.15	17.51	16.55	17.86	18.23
	3H	17.84	18.97	18.25	19.37	19.77	17.84	18.97	18.25	19.37	19.77
	4H	18.39	19.41	18.83	19.83	20.26	18.39	19.41	18.82	19.82	20.26
	6H	18.71	19.59	19.16	20.03	20.49	18.70	19.59	19.16	20.03	20.49
	8H	18.75	19.58	19.22	20.02	20.49	18.75	19.58	19.21	20.02	20.48
	12H	18.77	19.51	19.25	19.98	20.45	18.76	19.50	19.24	19.97	20.44
8H	4H	18.57	19.40	19.04	19.84	20.31	18.57	19.40	19.03	19.84	20.31
	6H	18.94	19.62	19.43	20.11	20.59	18.94	19.62	19.43	20.11	20.58
	8H	19.01	19.62	19.52	20.13	20.62	19.00	19.62	19.52	20.12	20.61
	12H	19.04	19.58	19.55	20.07	20.63	19.03	19.57	19.54	20.06	20.62
12H	4H	18.57	19.31	19.05	19.79	20.26	18.57	19.31	19.05	19.79	20.26
	6H	18.93	19.55	19.44	20.05	20.54	18.93	19.54	19.44	20.05	20.54
	8H	19.04	19.57	19.54	20.07	20.63	19.03	19.57	19.54	20.06	20.62