

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: P997431

Luminaire Tested: FSP-24-L3C3-CP375-4000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997431
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-CP375-4000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

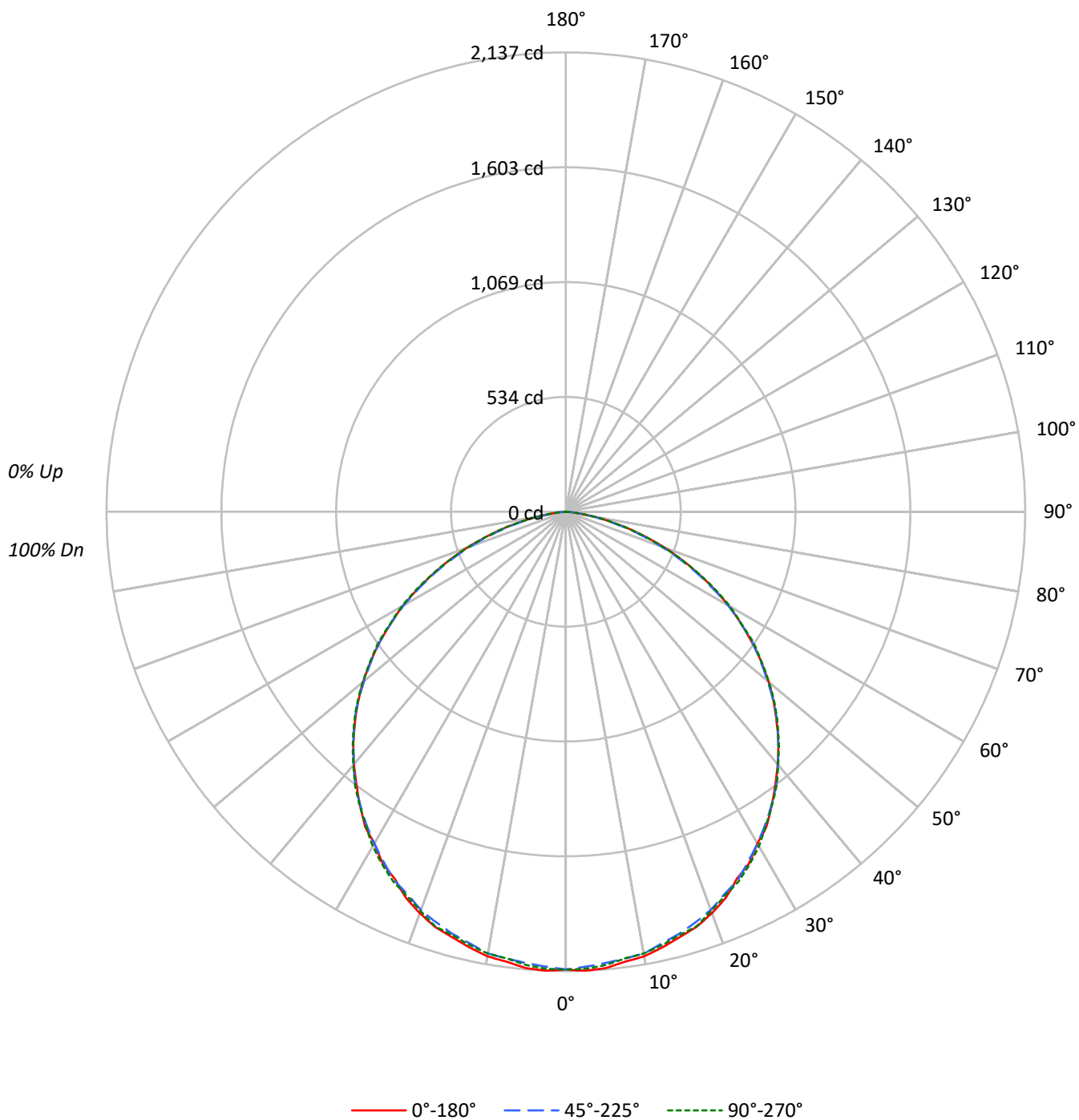
Lumens per Lamp: N/A
Luminaire Lumens: 5729.0 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

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°	3317	3317	3317
5°	3333	3295	3309
10°	3321	3301	3301
15°	3303	3279	3288
20°	3294	3266	3275
25°	3237	3250	3262
30°	3205	3205	3231
35°	3173	3170	3177
40°	3119	3123	3126
45°	3057	3069	3069
50°	2986	2968	2990
55°	2869	2874	2899
60°	2726	2715	2749
65°	2503	2475	2516
70°	2224	2157	2216
75°	1804	1726	1793
80°	1245	1162	1245
85°	563	497	529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3073 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.2	3.5
10°-20°	576.1	10.1
20°-30°	869.9	15.2
30°-40°	1042.8	18.2
40°-50°	1070.5	18.7
50°-60°	941.6	16.4
60°-70°	666.1	11.6
70°-80°	312.7	5.5
80°-90°	48.2	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°	1647.1	28.8
0°-40°	2689.9	47.0
0°-60°	4702.0	82.1
0°-90°	5729.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5729.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2130	2130	2130	2130	2130	
5°	2131	2126	2107	2116	2116	202
15°	2048	2042	2033	2035	2039	579
25°	1883	1883	1891	1885	1898	872
35°	1669	1663	1667	1669	1671	1043
45°	1388	1384	1393	1395	1393	1071
55°	1056	1056	1058	1053	1068	943
65°	679	670	672	668	683	673
75°	300	290	287	290	298	321
85°	32	32	28	30	30	51
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2129.5	2129.5	2129.5	2129.5	2129.5
2.5°	2136.9	2133.2	2118.4	2122.1	2127.6
5°	2131.3	2125.8	2107.3	2116.5	2116.5
7.5°	2111.0	2105.4	2096.2	2101.7	2096.2
10°	2099.9	2098.0	2086.9	2085.1	2086.9
12.5°	2075.8	2070.3	2057.3	2066.6	2064.7
15°	2048.1	2042.5	2033.3	2035.1	2038.8
17.5°	2024.0	2020.3	2003.7	2009.2	2022.2
20°	1987.0	1974.1	1970.4	1972.2	1975.9
22.5°	1944.5	1935.2	1926.0	1929.7	1933.4
25°	1883.4	1883.4	1890.8	1885.3	1898.2
27.5°	1844.6	1840.9	1835.3	1835.3	1850.1
30°	1781.7	1781.7	1781.7	1787.2	1796.5
32.5°	1737.3	1729.9	1726.2	1728.0	1731.7
35°	1668.8	1663.3	1667.0	1668.8	1670.7
37.5°	1600.3	1598.5	1607.7	1602.2	1609.6
40°	1533.7	1530.0	1535.6	1531.9	1537.4
42.5°	1463.4	1456.0	1461.6	1465.3	1467.1
45°	1387.6	1383.9	1393.1	1395.0	1393.1
47.5°	1311.7	1306.2	1311.7	1317.3	1317.3
50°	1232.2	1224.8	1224.8	1230.3	1234.0
52.5°	1145.2	1137.8	1141.5	1147.1	1148.9
55°	1056.4	1056.4	1058.3	1052.7	1067.5
57.5°	963.9	956.5	963.9	960.2	967.6
60°	875.1	869.6	871.4	864.0	882.5
62.5°	777.0	771.5	769.6	767.8	784.4
65°	679.0	669.7	671.6	667.9	682.7
67.5°	584.6	575.4	571.7	571.7	582.8
70°	488.4	473.6	473.6	469.9	486.6
72.5°	392.2	381.1	375.6	379.3	392.2
75°	299.7	290.5	286.8	290.5	297.9
77.5°	212.8	209.1	203.5	207.2	214.6
80°	138.8	135.1	129.5	135.1	138.8
82.5°	75.9	74.0	70.3	74.0	74.0
85°	31.5	31.5	27.8	29.6	29.6
87.5°	9.3	7.4	7.4	5.6	5.6
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	15.80	17.40	16.16	17.72	18.03	15.82	17.43	16.18	17.74	18.05
	3H	17.33	18.78	17.71	19.11	19.47	17.33	18.78	17.71	19.11	19.47
	4H	17.80	19.15	18.19	19.50	19.88	17.79	19.15	18.19	19.50	19.88
	6H	18.03	19.29	18.44	19.65	20.04	18.03	19.29	18.44	19.65	20.04
	8H	18.06	19.26	18.49	19.65	20.05	18.06	19.26	18.48	19.65	20.05
	12H	18.06	19.21	18.49	19.59	20.02	18.06	19.20	18.49	19.58	20.01
4H	2H	16.36	17.72	16.76	18.07	18.44	16.38	17.74	16.78	18.09	18.46
	3H	18.07	19.20	18.48	19.60	20.00	18.07	19.20	18.48	19.60	20.00
	4H	18.62	19.64	19.05	20.05	20.49	18.62	19.64	19.05	20.05	20.49
	6H	18.93	19.82	19.39	20.26	20.72	18.93	19.82	19.38	20.26	20.71
	8H	18.98	19.81	19.44	20.25	20.72	18.98	19.80	19.44	20.25	20.71
	12H	18.99	19.73	19.47	20.21	20.68	18.98	19.73	19.47	20.20	20.67
8H	4H	18.80	19.63	19.26	20.07	20.54	18.80	19.63	19.26	20.07	20.53
	6H	19.17	19.85	19.66	20.34	20.81	19.16	19.85	19.66	20.33	20.81
	8H	19.24	19.85	19.75	20.36	20.84	19.23	19.84	19.74	20.35	20.84
	12H	19.27	19.81	19.78	20.30	20.86	19.26	19.80	19.77	20.29	20.85
12H	4H	18.80	19.54	19.28	20.02	20.49	18.80	19.54	19.28	20.01	20.48
	6H	19.16	19.77	19.67	20.28	20.77	19.16	19.77	19.67	20.28	20.77
	8H	19.26	19.80	19.77	20.29	20.86	19.26	19.80	19.77	20.29	20.85