

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: P997433

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

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997433
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-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

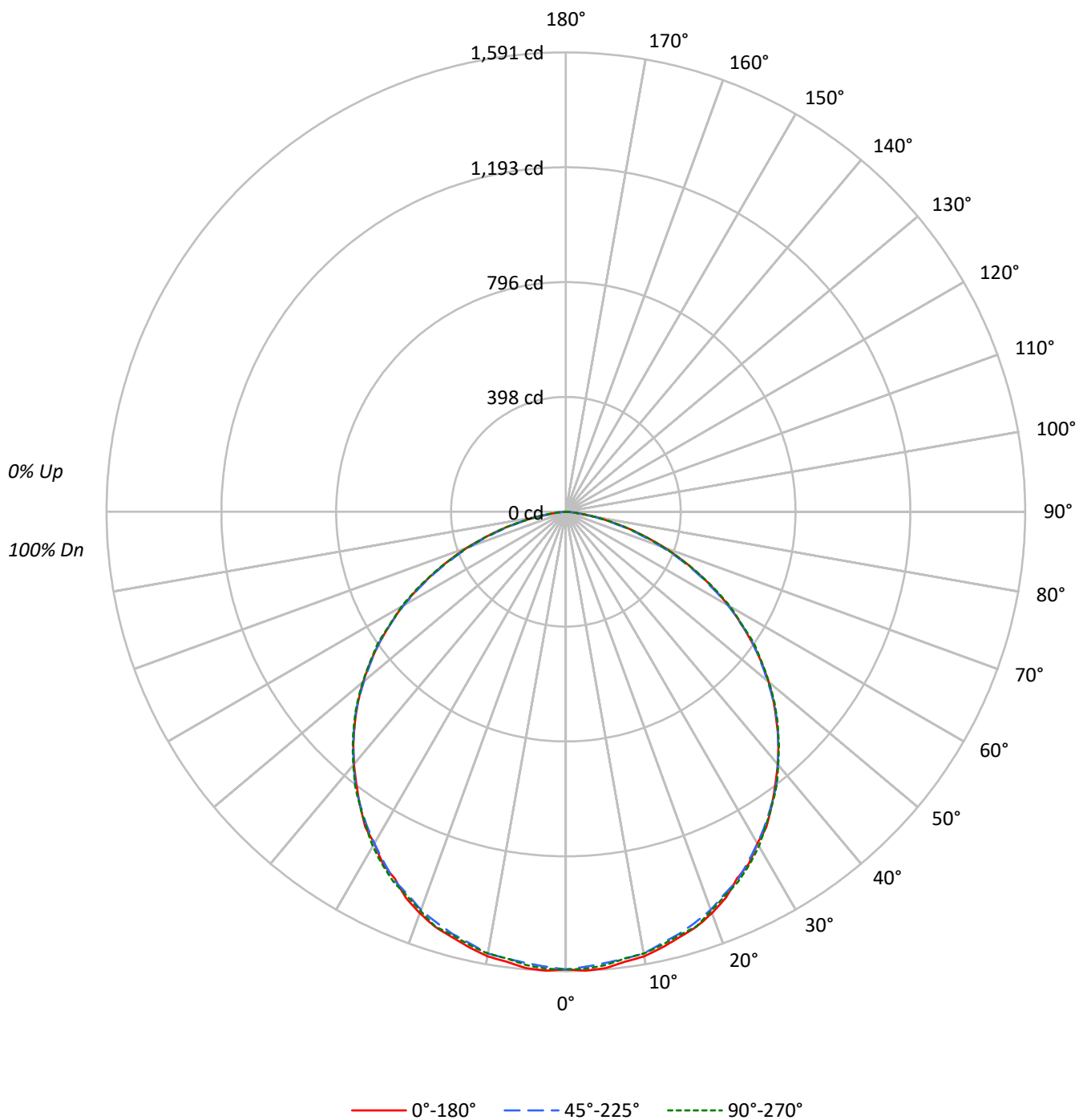
Lumens per Lamp: N/A
Luminaire Lumens: 4265.0 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 41.5
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

TEST NUMBER: P997433

CATALOG NUMBER: FSP-24-L3C3-CP375-4000K-MID

Luminous Intensity Polar Plot



TEST NUMBER: P997433

CATALOG NUMBER: FSP-24-L3C3-CP375-4000K-MID

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°	2469	2469	2469
5°	2481	2453	2464
10°	2473	2457	2457
15°	2459	2441	2448
20°	2452	2432	2438
25°	2410	2419	2429
30°	2386	2386	2406
35°	2363	2360	2365
40°	2322	2325	2327
45°	2276	2285	2285
50°	2223	2210	2226
55°	2136	2139	2158
60°	2030	2021	2047
65°	1863	1843	1873
70°	1656	1606	1650
75°	1343	1285	1335
80°	927	865	927
85°	418	370	393

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2288 cd/sqm

TEST NUMBER: P997433

CATALOG NUMBER: FSP-24-L3C3-CP375-4000K-MID

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.8	3.5
10°-20°	428.9	10.1
20°-30°	647.6	15.2
30°-40°	776.3	18.2
40°-50°	797.0	18.7
50°-60°	701.0	16.4
60°-70°	495.9	11.6
70°-80°	232.8	5.5
80°-90°	35.9	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°	1226.2	28.8
0°-40°	2002.5	47.0
0°-60°	3500.5	82.1
0°-90°	4265.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4265.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1585	1585	1585	1585	1585	
5°	1587	1583	1569	1576	1576	150
15°	1525	1521	1514	1515	1518	431
25°	1402	1402	1408	1404	1413	649
35°	1242	1238	1241	1242	1244	777
45°	1033	1030	1037	1038	1037	797
55°	786	786	788	784	795	702
65°	506	499	500	497	508	501
75°	223	216	214	216	222	239
85°	23	23	21	22	22	38
90°	0	0	0	0	0	

TEST NUMBER: P997433

CATALOG NUMBER: FSP-24-L3C3-CP375-4000K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1585.3	1585.3	1585.3	1585.3	1585.3
2.5°	1590.8	1588.1	1577.0	1579.8	1583.9
5°	1586.7	1582.6	1568.8	1575.7	1575.7
7.5°	1571.5	1567.4	1560.5	1564.6	1560.5
10°	1563.3	1561.9	1553.6	1552.3	1553.6
12.5°	1545.4	1541.2	1531.6	1538.5	1537.1
15°	1524.7	1520.6	1513.7	1515.1	1517.8
17.5°	1506.8	1504.0	1491.7	1495.8	1505.4
20°	1479.3	1469.6	1466.9	1468.2	1471.0
22.5°	1447.6	1440.7	1433.8	1436.6	1439.3
25°	1402.1	1402.1	1407.6	1403.5	1413.1
27.5°	1373.2	1370.4	1366.3	1366.3	1377.3
30°	1326.4	1326.4	1326.4	1330.5	1337.4
32.5°	1293.3	1287.8	1285.1	1286.4	1289.2
35°	1242.4	1238.2	1241.0	1242.4	1243.7
37.5°	1191.4	1190.0	1196.9	1192.8	1198.3
40°	1141.8	1139.1	1143.2	1140.4	1144.6
42.5°	1089.5	1084.0	1088.1	1090.8	1092.2
45°	1033.0	1030.2	1037.1	1038.5	1037.1
47.5°	976.5	972.4	976.5	980.7	980.7
50°	917.3	911.8	911.8	915.9	918.7
52.5°	852.6	847.1	849.8	853.9	855.3
55°	786.5	786.5	787.8	783.7	794.7
57.5°	717.6	712.1	717.6	714.8	720.3
60°	651.5	647.3	648.7	643.2	657.0
62.5°	578.5	574.3	573.0	571.6	584.0
65°	505.5	498.6	500.0	497.2	508.2
67.5°	435.2	428.4	425.6	425.6	433.9
70°	363.6	352.6	352.6	349.8	362.2
72.5°	292.0	283.7	279.6	282.4	292.0
75°	223.1	216.2	213.5	216.2	221.8
77.5°	158.4	155.6	151.5	154.3	159.8
80°	103.3	100.5	96.4	100.5	103.3
82.5°	56.5	55.1	52.3	55.1	55.1
85°	23.4	23.4	20.7	22.0	22.0
87.5°	6.9	5.5	5.5	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997433

CATALOG NUMBER: FSP-24-L3C3-CP375-4000K-MID

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	14.77	16.38	15.14	16.69	17.01	14.79	16.40	15.16	16.71	17.03
	3H	16.31	17.75	16.69	18.08	18.44	16.31	17.76	16.69	18.08	18.44
	4H	16.77	18.13	17.17	18.48	18.85	16.77	18.13	17.17	18.47	18.85
	6H	17.00	18.26	17.41	18.63	19.02	17.00	18.26	17.41	18.63	19.02
	8H	17.04	18.23	17.46	18.62	19.02	17.03	18.23	17.46	18.62	19.02
	12H	17.03	18.18	17.46	18.56	18.99	17.03	18.18	17.46	18.56	18.99
4H	2H	15.34	16.69	15.73	17.04	17.42	15.35	16.71	15.75	17.06	17.44
	3H	17.05	18.18	17.46	18.57	18.98	17.04	18.17	17.45	18.57	18.97
	4H	17.60	18.61	18.03	19.03	19.47	17.59	18.61	18.02	19.02	19.46
	6H	17.91	18.79	18.36	19.24	19.69	17.90	18.79	18.36	19.23	19.69
	8H	17.96	18.78	18.42	19.23	19.69	17.95	18.78	18.41	19.22	19.69
	12H	17.97	18.71	18.45	19.18	19.65	17.96	18.70	18.44	19.18	19.65
8H	4H	17.78	18.60	18.24	19.05	19.51	17.77	18.60	18.23	19.04	19.51
	6H	18.14	18.82	18.64	19.31	19.79	18.14	18.82	18.63	19.31	19.79
	8H	18.21	18.82	18.72	19.33	19.82	18.21	18.82	18.72	19.33	19.81
	12H	18.24	18.78	18.75	19.27	19.84	18.23	18.77	18.74	19.26	19.83
12H	4H	17.78	18.52	18.26	18.99	19.46	17.77	18.51	18.25	18.99	19.46
	6H	18.14	18.75	18.65	19.26	19.74	18.13	18.75	18.64	19.25	19.74
	8H	18.24	18.78	18.75	19.27	19.83	18.23	18.77	18.74	19.26	19.83