

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: P997408

Luminaire Tested: FSP-24-L3C3-CP187-3000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997408
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-24-L3C3-CP187-3000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

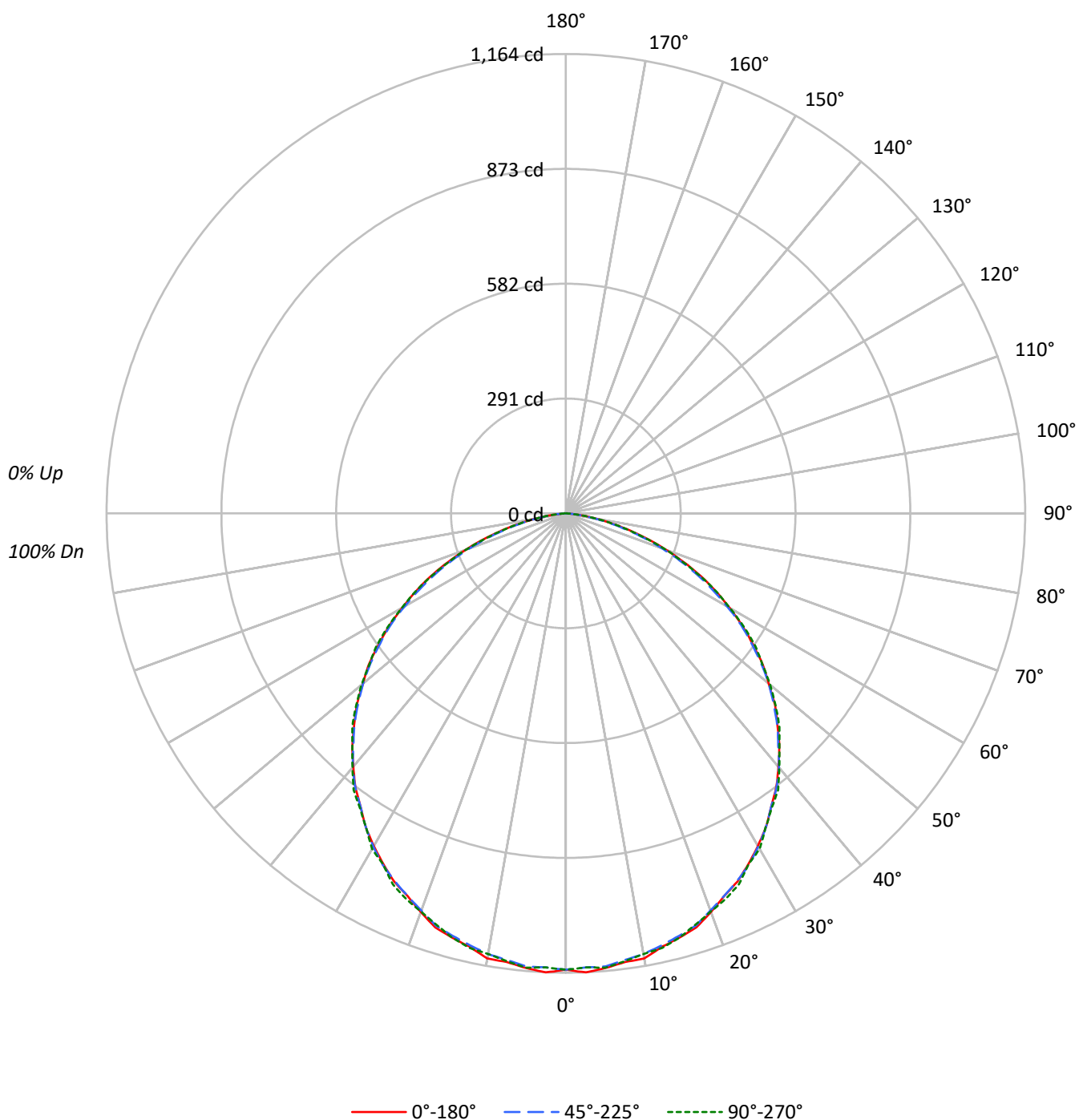
Lumens per Lamp: N/A
Luminaire Lumens: 3137.0 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 30.2
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: P997408

CATALOG NUMBER: FSP-24-L3C3-CP187-3000K-LOW

Luminous Intensity Polar Plot



TEST NUMBER: P997408

CATALOG NUMBER: FSP-24-L3C3-CP187-3000K-LOW

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	86	81	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	83	72	63	56	81	70	62	56	68	61	55		66	59	55		63
5	77	64	55	49	75	63	55	48	61	54	48		59	52	47		57
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52
7	66	52	44	38	64	52	43	37	50	43	37		49	42	37		47
8	61	48	39	34	60	47	39	33	46	38	33		45	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°	1801	1801	1801
5°	1808	1802	1806
10°	1812	1793	1793
15°	1795	1787	1795
20°	1781	1775	1780
25°	1769	1766	1782
30°	1750	1754	1766
35°	1725	1725	1731
40°	1704	1708	1710
45°	1671	1668	1686
50°	1625	1625	1637
55°	1570	1559	1591
60°	1491	1470	1497
65°	1394	1350	1383
70°	1234	1180	1234
75°	1014	949	1002
80°	698	663	716
85°	334	316	334

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1686 cd/sqm

TEST NUMBER: P997408

CATALOG NUMBER: FSP-24-L3C3-CP187-3000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.4	3.5
10°-20°	313.4	10.0
20°-30°	474.0	15.1
30°-40°	569.3	18.1
40°-50°	584.8	18.6
50°-60°	516.0	16.4
60°-70°	367.3	11.7
70°-80°	174.7	5.6
80°-90°	28.2	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°	896.7	28.6
0°-40°	1466.1	46.7
0°-60°	2566.8	81.8
0°-90°	3137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3137.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1156	1156	1156	1156	1156	
5°	1156	1155	1152	1149	1155	110
15°	1113	1110	1108	1112	1113	314
25°	1029	1027	1027	1029	1037	474
35°	907	908	907	916	910	569
45°	758	757	757	762	765	585
55°	578	579	574	578	586	517
65°	378	375	366	369	375	373
75°	168	164	158	160	166	180
85°	19	18	18	19	19	29
90°	0	0	0	0	0	

TEST NUMBER: P997408

CATALOG NUMBER: FSP-24-L3C3-CP187-3000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1156.3	1156.3	1156.3	1156.3	1156.3
2.5°	1164.2	1155.3	1151.4	1149.4	1151.4
5°	1156.3	1155.3	1152.4	1149.4	1155.3
7.5°	1146.5	1144.5	1141.5	1139.6	1144.5
10°	1145.5	1137.6	1133.7	1134.6	1133.7
12.5°	1124.8	1125.8	1120.9	1122.8	1127.8
15°	1113.0	1110.0	1108.1	1112.0	1113.0
17.5°	1100.2	1099.2	1095.2	1089.3	1092.3
20°	1074.6	1073.6	1070.6	1075.6	1073.6
22.5°	1049.0	1054.9	1049.0	1055.9	1057.8
25°	1029.3	1027.3	1027.3	1029.3	1037.1
27.5°	1001.7	998.7	1004.6	999.7	1002.7
30°	973.1	970.2	975.1	975.1	982.0
32.5°	943.6	940.6	943.6	941.6	942.6
35°	907.1	908.1	907.1	916.0	910.1
37.5°	875.6	873.6	876.6	876.6	883.5
40°	838.2	838.2	840.2	838.2	841.1
42.5°	800.8	794.8	796.8	799.8	800.8
45°	758.4	757.4	757.4	762.3	765.3
47.5°	719.0	715.1	714.1	716.0	721.0
50°	670.7	670.7	670.7	673.7	675.7
52.5°	629.4	626.4	623.5	625.4	627.4
55°	578.2	579.1	574.2	578.2	586.0
57.5°	530.9	529.9	526.9	526.9	534.8
60°	478.7	478.7	471.8	476.7	480.6
62.5°	429.4	428.4	418.6	421.6	430.4
65°	378.2	375.3	366.4	369.4	375.3
67.5°	324.0	321.1	313.2	315.2	320.1
70°	270.9	268.9	259.0	262.0	270.9
72.5°	218.7	214.7	208.8	209.8	215.7
75°	168.4	164.5	157.6	160.5	166.5
77.5°	121.1	119.2	114.3	115.2	121.1
80°	77.8	76.8	73.9	75.8	79.8
82.5°	45.3	43.3	40.4	42.4	44.3
85°	18.7	17.7	17.7	18.7	18.7
87.5°	3.9	3.9	4.9	4.9	4.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997408

CATALOG NUMBER: FSP-24-L3C3-CP187-3000K-LOW

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	13.77	15.38	14.14	15.69	16.01	13.75	15.36	14.11	15.67	15.99
	3H	15.33	16.78	15.71	17.11	17.47	15.28	16.73	15.66	17.06	17.42
	4H	15.81	17.17	16.20	17.52	17.89	15.74	17.11	16.14	17.45	17.83
	6H	16.05	17.31	16.46	17.68	18.07	15.99	17.25	16.40	17.62	18.01
	8H	16.09	17.29	16.51	17.68	18.08	16.03	17.23	16.46	17.62	18.02
	12H	16.09	17.24	16.52	17.62	18.05	16.03	17.18	16.46	17.57	18.00
4H	2H	14.32	15.68	14.71	16.03	16.40	14.30	15.66	14.70	16.01	16.38
	3H	16.06	17.20	16.47	17.59	17.99	16.01	17.14	16.42	17.54	17.94
	4H	16.63	17.65	17.06	18.07	18.50	16.56	17.59	17.00	18.00	18.44
	6H	16.96	17.85	17.41	18.29	18.75	16.89	17.78	17.35	18.22	18.68
	8H	17.01	17.84	17.47	18.29	18.75	16.95	17.78	17.41	18.22	18.69
	12H	17.03	17.77	17.51	18.25	18.72	16.96	17.71	17.45	18.19	18.66
8H	4H	16.81	17.64	17.27	18.09	18.55	16.75	17.58	17.21	18.03	18.49
	6H	17.20	17.88	17.69	18.37	18.85	17.13	17.82	17.63	18.31	18.79
	8H	17.28	17.89	17.79	18.40	18.88	17.22	17.83	17.73	18.34	18.82
	12H	17.31	17.85	17.82	18.35	18.91	17.25	17.79	17.76	18.29	18.85
12H	4H	16.81	17.56	17.29	18.03	18.50	16.75	17.50	17.23	17.97	18.44
	6H	17.19	17.81	17.70	18.32	18.80	17.13	17.75	17.64	18.26	18.74
	8H	17.30	17.85	17.81	18.34	18.90	17.25	17.79	17.75	18.28	18.84