

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: P997332

Luminaire Tested: FSP-22-L3C3-CA08-4000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997332
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-8)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CA08-4000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

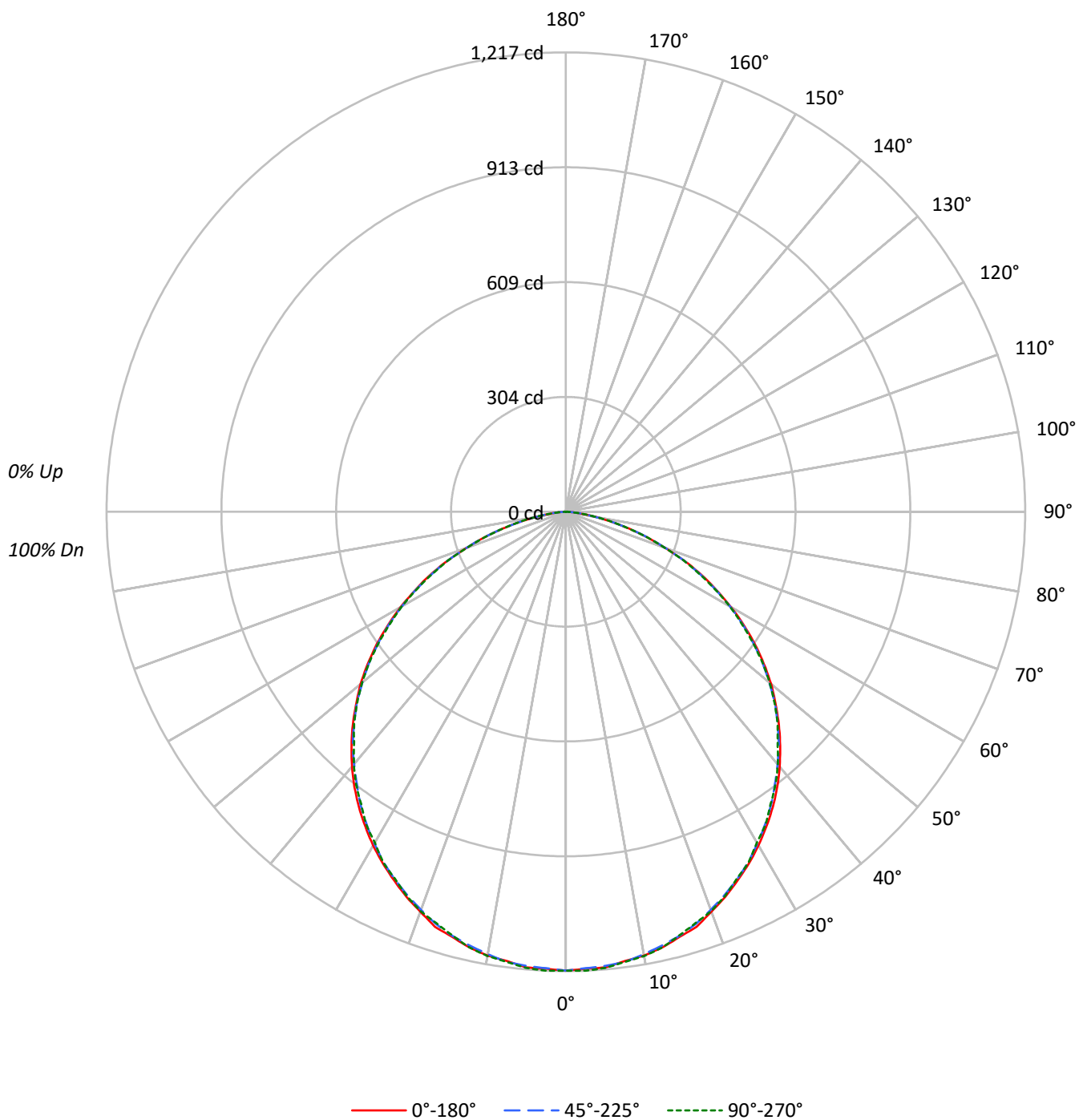
Lumens per Lamp: N/A
Luminaire Lumens: 3297.0 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

Input Watts (W): 30.4
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	95	98	95	92		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	63		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	41		52
7	66	52	44	37	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°	3983	3983	3983
5°	3985	3973	3989
10°	3972	3959	3976
15°	3954	3945	3941
20°	3930	3913	3926
25°	3895	3881	3876
30°	3863	3839	3829
35°	3823	3792	3782
40°	3771	3732	3738
45°	3700	3676	3676
50°	3620	3587	3594
55°	3494	3465	3457
60°	3312	3295	3287
65°	3085	3045	3035
70°	2684	2684	2672
75°	2203	2186	2186
80°	1570	1521	1593
85°	820	820	820

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3700 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.8	3.5
10°-20°	328.3	10.0
20°-30°	495.4	15.0
30°-40°	594.9	18.0
40°-50°	613.2	18.6
50°-60°	543.1	16.5
60°-70°	389.0	11.8
70°-80°	185.8	5.6
80°-90°	32.4	1.0
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°	938.6	28.5
0°-40°	1533.4	46.5
0°-60°	2689.8	81.6
0°-90°	3297.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3297.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1216	1216	1216	1216	1216	
5°	1212	1208	1208	1209	1213	115
15°	1166	1167	1163	1160	1162	329
25°	1077	1076	1074	1074	1072	497
35°	956	956	948	951	946	598
45°	798	798	793	792	793	615
55°	612	614	606	606	605	546
65°	398	395	393	392	392	391
75°	174	170	173	175	173	186
85°	22	23	22	22	22	33
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1215.5	1215.5	1215.5	1215.5	1215.5
2.5°	1211.7	1211.7	1210.4	1212.9	1216.8
5°	1211.7	1207.8	1207.8	1209.1	1212.9
7.5°	1200.1	1201.4	1202.7	1200.1	1202.7
10°	1193.7	1191.2	1189.9	1192.5	1195.0
12.5°	1182.2	1179.7	1177.1	1179.7	1182.2
15°	1165.6	1166.9	1163.0	1160.5	1161.8
17.5°	1152.8	1145.1	1145.1	1143.8	1142.6
20°	1127.2	1124.7	1122.1	1123.4	1125.9
22.5°	1104.2	1102.9	1099.1	1100.3	1101.6
25°	1077.3	1076.0	1073.5	1073.5	1072.2
27.5°	1050.4	1049.2	1046.6	1045.3	1047.9
30°	1021.0	1022.3	1014.6	1014.6	1012.1
32.5°	989.0	989.0	982.6	980.1	983.9
35°	955.8	955.8	948.1	950.6	945.5
37.5°	919.9	922.5	909.7	913.5	912.3
40°	881.6	879.0	872.6	880.3	873.9
42.5°	840.6	844.4	835.5	835.5	830.4
45°	798.4	798.4	793.3	792.0	793.3
47.5°	753.6	754.9	751.0	752.3	749.8
50°	710.1	708.8	703.7	702.4	705.0
52.5°	661.5	662.8	656.4	657.6	656.4
55°	611.6	614.1	606.5	606.5	605.2
57.5°	559.1	559.1	555.3	555.3	552.7
60°	505.4	509.2	502.8	502.8	501.6
62.5°	450.4	450.4	447.8	449.1	446.5
65°	397.9	395.4	392.8	391.5	391.5
67.5°	340.3	337.8	340.3	336.5	337.8
70°	280.2	281.5	280.2	280.2	278.9
72.5°	226.5	226.5	227.7	226.5	226.5
75°	174.0	170.2	172.7	175.3	172.7
77.5°	122.8	122.8	125.4	125.4	126.7
80°	83.2	80.6	80.6	83.2	84.4
82.5°	46.1	47.3	47.3	47.3	47.3
85°	21.8	23.0	21.8	21.8	21.8
87.5°	10.2	10.2	9.0	7.7	6.4
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	16.55	18.16	16.92	18.48	18.79	16.50	18.11	16.86	18.42	18.74
	3H	18.09	19.54	18.47	19.87	20.23	18.04	19.50	18.42	19.82	20.18
	4H	18.55	19.92	18.95	20.26	20.64	18.51	19.88	18.91	20.23	20.60
	6H	18.79	20.05	19.20	20.41	20.81	18.77	20.03	19.18	20.39	20.79
	8H	18.82	20.03	19.25	20.42	20.82	18.81	20.01	19.23	20.40	20.80
	12H	18.83	19.98	19.26	20.36	20.79	18.81	19.97	19.24	20.35	20.78
4H	2H	17.12	18.48	17.51	18.83	19.21	17.07	18.44	17.47	18.79	19.16
	3H	18.84	19.98	19.25	20.38	20.78	18.81	19.94	19.22	20.34	20.74
	4H	19.39	20.42	19.82	20.83	21.27	19.37	20.40	19.81	20.81	21.25
	6H	19.71	20.60	20.16	21.04	21.50	19.71	20.60	20.17	21.04	21.50
	8H	19.76	20.60	20.22	21.04	21.51	19.77	20.60	20.23	21.05	21.51
	12H	19.78	20.53	20.26	21.01	21.48	19.79	20.54	20.27	21.01	21.48
8H	4H	19.59	20.42	20.05	20.87	21.33	19.57	20.41	20.04	20.85	21.32
	6H	19.96	20.65	20.46	21.14	21.62	19.97	20.66	20.46	21.15	21.62
	8H	20.05	20.66	20.56	21.17	21.66	20.06	20.67	20.57	21.18	21.67
	12H	20.09	20.64	20.60	21.13	21.69	20.10	20.65	20.61	21.14	21.70
12H	4H	19.59	20.34	20.07	20.82	21.29	19.58	20.32	20.06	20.80	21.27
	6H	19.96	20.58	20.48	21.09	21.58	19.97	20.59	20.48	21.10	21.58
	8H	20.08	20.63	20.59	21.12	21.68	20.09	20.64	20.60	21.13	21.69