

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: METALUX

Report Number: P1584146

Luminaire Tested: 14CGSB-20-F125-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584146
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P1527393)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGSB-20-F125-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

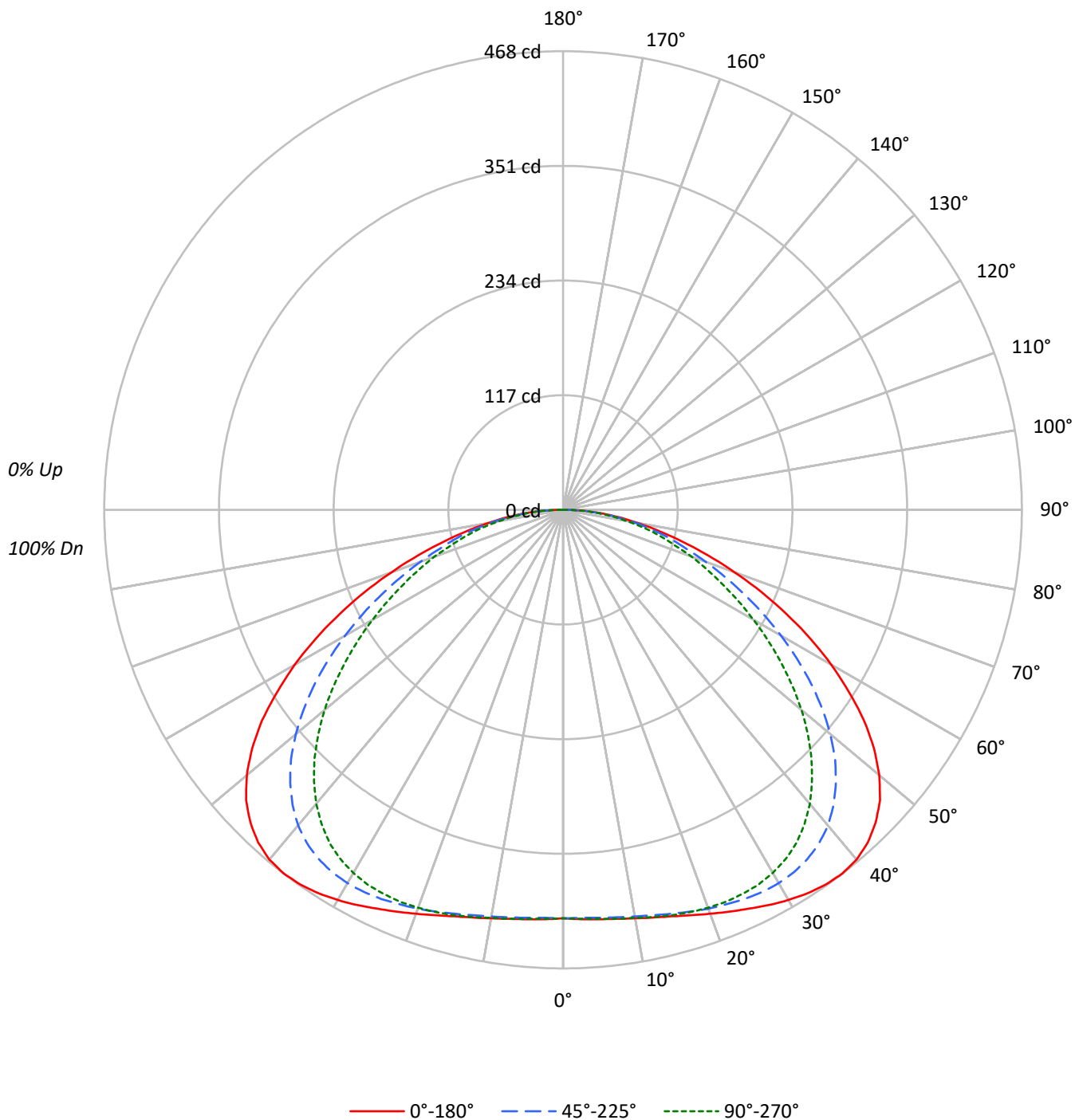
Lumens per Lamp: N/A
Luminaire Lumens: 1597.8 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.5
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.9
Total Harmonic Distortion (THDi): ≈20%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	108	103	99	94	105	101	97	93	96	93	90		93	90	87		89	87	85		82
2	98	89	82	76	95	87	81	75	84	78	73		80	76	71		77	73	70		68
3	89	78	69	62	86	76	68	62	73	66	61		70	64	59		68	63	58		56
4	81	68	59	52	78	67	58	52	64	57	51		62	56	50		60	54	50		47
5	74	61	51	44	72	59	51	44	57	50	44		55	48	43		53	47	43		40
6	68	54	45	38	66	53	44	38	51	44	38		50	43	37		48	42	37		35
7	63	49	40	33	61	48	39	33	46	39	33		45	38	33		44	37	32		30
8	58	44	36	29	57	44	35	29	42	35	29		41	34	29		40	34	29		27
9	54	41	32	26	53	40	32	26	39	31	26		38	31	26		37	30	26		24
10	51	37	29	24	50	37	29	24	36	28	23		35	28	23		34	28	23		21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1122	1122	1122
5°	1133	1129	1132
10°	1156	1151	1155
15°	1196	1189	1193
20°	1256	1241	1237
25°	1333	1301	1284
30°	1428	1367	1329
35°	1534	1429	1364
40°	1637	1477	1376
45°	1717	1498	1364
50°	1763	1490	1329
55°	1758	1448	1273
60°	1700	1382	1207
65°	1601	1298	1142
70°	1465	1216	1098
75°	1317	1171	1059
80°	1206	1137	1024
85°	1158	1087	1022

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1766 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.1	2.5
10°-20°	121.5	7.6
20°-30°	203.3	12.7
30°-40°	273.9	17.1
40°-50°	307.3	19.2
50°-60°	281.9	17.6
60°-70°	208.5	13.1
70°-80°	121.3	7.6
80°-90°	39.9	2.5
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°	364.9	22.8
0°-40°	638.8	40.0
0°-60°	1228.0	76.9
0°-90°	1597.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1597.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	417	417	417	417	417	
5°	419	419	418	418	419	40
15°	429	429	427	427	428	122
25°	449	446	438	433	433	208
35°	467	457	435	420	415	292
45°	451	434	394	367	358	347
55°	375	353	309	280	271	333
65°	251	236	204	185	179	249
75°	127	125	113	104	102	136
85°	38	39	35	36	33	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	416.9	416.9	416.9	416.9	416.9
2.5°	418.2	418.2	416.7	417.1	417.6
5°	419.4	419.2	417.8	418.0	419.0
7.5°	420.9	420.9	419.4	419.4	420.9
10°	423.2	422.8	421.3	421.7	422.8
12.5°	426.1	425.3	423.8	424.2	425.5
15°	429.4	428.6	426.7	427.1	428.2
17.5°	433.8	432.6	429.9	429.9	430.5
20°	438.6	436.5	433.2	431.5	432.1
22.5°	443.8	441.1	435.7	432.8	433.0
25°	449.0	445.7	438.2	433.4	432.6
27.5°	454.7	449.9	439.7	433.0	431.3
30°	459.7	453.6	439.9	430.7	427.8
32.5°	464.0	456.1	438.4	426.3	422.6
35°	467.0	457.2	434.9	419.6	415.1
37.5°	467.8	455.9	429.0	410.5	404.4
40°	465.9	452.0	420.5	398.4	391.7
42.5°	460.3	444.9	408.4	383.8	375.9
45°	451.1	434.0	393.6	366.9	358.4
47.5°	438.4	419.0	376.3	347.5	338.5
50°	421.1	400.7	355.8	326.5	317.5
52.5°	399.6	378.4	333.1	304.2	294.6
55°	374.8	353.3	308.7	280.0	271.4
57.5°	345.8	326.0	283.1	255.8	247.7
60°	315.8	297.1	256.8	231.6	224.3
62.5°	284.1	267.0	230.4	207.6	201.4
65°	251.4	236.2	203.9	185.3	179.3
67.5°	218.7	207.0	178.7	162.2	158.9
70°	186.2	177.4	154.5	143.6	139.5
72.5°	155.3	150.7	131.5	124.2	118.6
75°	126.7	125.1	112.6	103.6	101.9
77.5°	100.9	103.4	92.6	86.1	84.6
80°	77.8	80.3	73.4	68.0	66.1
82.5°	56.7	60.0	53.2	51.9	50.0
85°	37.5	38.6	35.2	35.6	33.1
87.5°	18.3	20.4	18.6	19.2	17.9
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	14.6	16.3	15.0	16.6	16.9	12.8	14.5	13.2	14.8	15.1
	3H	16.3	17.9	16.7	18.2	18.6	14.5	16.1	14.9	16.4	16.7
	4H	17.0	18.4	17.4	18.8	19.2	15.2	16.7	15.6	17.0	17.4
	6H	17.5	18.8	17.9	19.2	19.6	15.8	17.1	16.2	17.5	17.9
	8H	17.7	18.9	18.1	19.3	19.7	16.0	17.3	16.4	17.7	18.1
	12H	17.8	19.0	18.2	19.4	19.8	16.2	17.4	16.6	17.8	18.2
4H	2H	15.0	16.5	15.4	16.8	17.2	13.6	15.0	14.0	15.4	15.7
	3H	17.0	18.2	17.4	18.6	19.0	15.5	16.7	15.9	17.1	17.5
	4H	17.8	18.9	18.2	19.3	19.8	16.3	17.4	16.8	17.8	18.3
	6H	18.5	19.4	18.9	19.9	20.3	17.0	18.0	17.5	18.4	18.9
	8H	18.7	19.6	19.2	20.1	20.5	17.3	18.2	17.8	18.7	19.1
	12H	18.9	19.7	19.4	20.2	20.7	17.5	18.4	18.0	18.8	19.3
8H	4H	18.1	19.0	18.5	19.4	19.9	16.7	17.7	17.2	18.1	18.6
	6H	18.9	19.6	19.4	20.1	20.6	17.6	18.4	18.1	18.8	19.3
	8H	19.2	19.9	19.7	20.4	20.9	18.0	18.7	18.5	19.2	19.6
	12H	19.5	20.1	20.0	20.6	21.1	18.3	18.9	18.8	19.4	20.0
12H	4H	18.1	18.9	18.6	19.4	19.8	16.8	17.6	17.3	18.1	18.6
	6H	18.9	19.6	19.4	20.1	20.6	17.7	18.4	18.2	18.9	19.4
	8H	19.3	19.9	19.8	20.4	21.0	18.1	18.8	18.6	19.2	19.8















(END OF REPORT)