

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: P1584147

Luminaire Tested: 14CGSB-20-F125-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584147
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-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

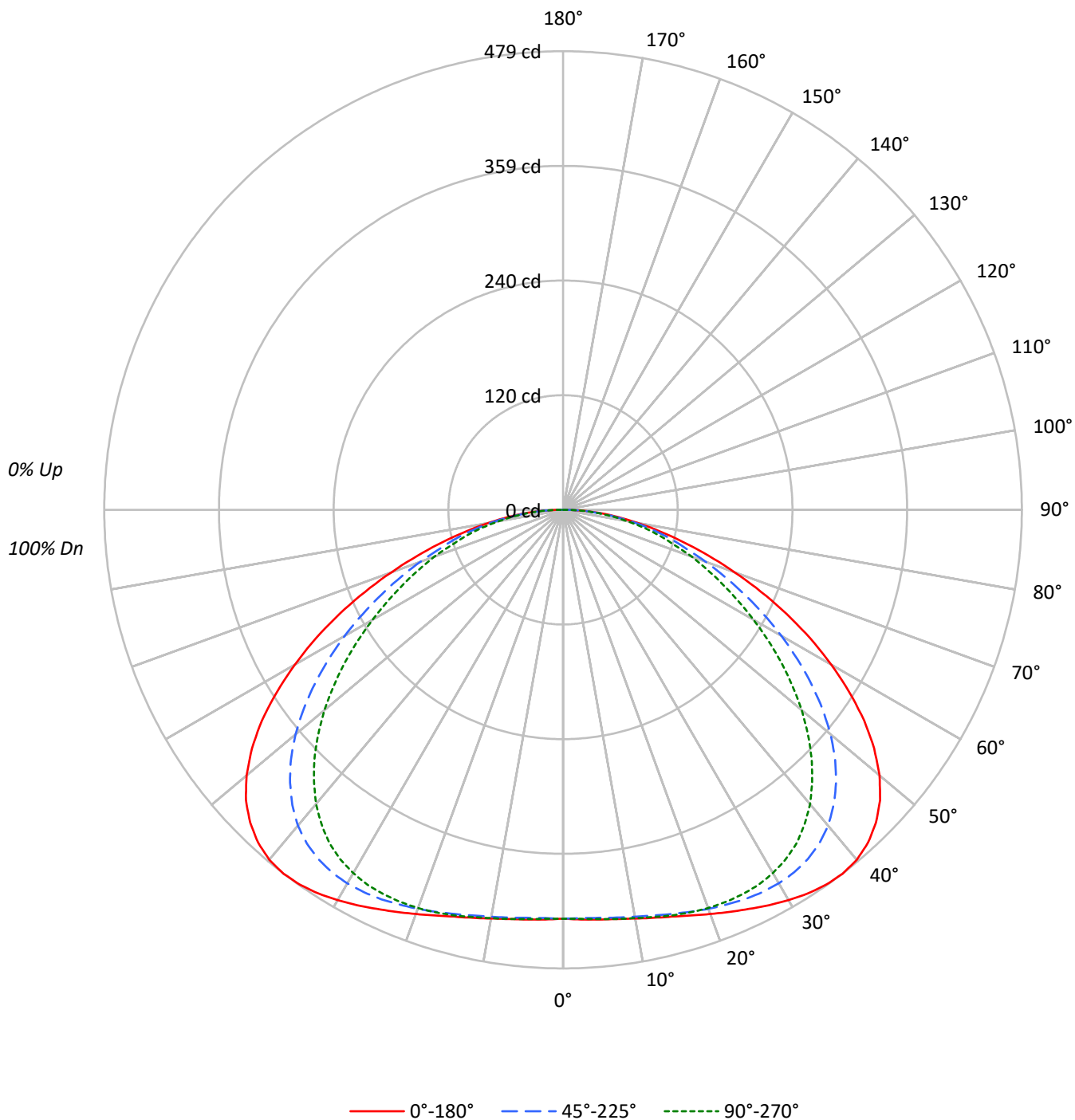
Lumens per Lamp: N/A
Luminaire Lumens: 1636.3 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.5
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
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°	1149	1149	1149
5°	1160	1156	1159
10°	1184	1179	1183
15°	1225	1217	1222
20°	1286	1270	1267
25°	1366	1333	1315
30°	1463	1400	1361
35°	1571	1463	1396
40°	1676	1513	1409
45°	1758	1534	1397
50°	1805	1526	1361
55°	1801	1483	1304
60°	1741	1415	1236
65°	1640	1330	1169
70°	1500	1245	1124
75°	1350	1199	1085
80°	1234	1164	1049
85°	1186	1115	1047

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1809 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.0	2.5
10°-20°	124.4	7.6
20°-30°	208.2	12.7
30°-40°	280.5	17.1
40°-50°	314.7	19.2
50°-60°	288.8	17.6
60°-70°	213.6	13.1
70°-80°	124.2	7.6
80°-90°	40.8	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°	373.6	22.8
0°-40°	654.2	40.0
0°-60°	1257.6	76.9
0°-90°	1636.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1636.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	427	427	427	427	427	
5°	430	429	428	428	429	41
15°	440	439	437	437	438	125
25°	460	456	449	444	443	213
35°	478	468	445	430	425	299
45°	462	444	403	376	367	355
55°	384	362	316	287	278	341
65°	258	242	209	190	184	255
75°	130	128	115	106	104	139
85°	38	40	36	36	34	42
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	427.0	427.0	427.0	427.0	427.0
2.5°	428.3	428.3	426.8	427.2	427.6
5°	429.5	429.3	427.8	428.0	429.1
7.5°	431.0	431.0	429.5	429.5	431.0
10°	433.4	433.0	431.5	431.9	433.0
12.5°	436.4	435.5	434.0	434.4	435.7
15°	439.8	438.9	437.0	437.4	438.5
17.5°	444.3	443.0	440.2	440.2	440.9
20°	449.2	447.0	443.6	441.9	442.6
22.5°	454.5	451.7	446.2	443.2	443.4
25°	459.9	456.4	448.8	443.8	443.0
27.5°	465.6	460.7	450.2	443.4	441.7
30°	470.7	464.6	450.5	441.1	438.1
32.5°	475.2	467.1	449.0	436.6	432.7
35°	478.2	468.2	445.3	429.8	425.1
37.5°	479.1	466.9	439.4	420.4	414.2
40°	477.1	462.8	430.6	408.0	401.1
42.5°	471.4	455.6	418.2	393.0	384.9
45°	462.0	444.5	403.1	375.7	367.0
47.5°	449.0	429.1	385.3	355.9	346.7
50°	431.2	410.3	364.4	334.3	325.1
52.5°	409.3	387.5	341.2	311.5	301.7
55°	383.9	361.9	316.2	286.7	278.0
57.5°	354.2	333.9	289.9	262.0	253.6
60°	323.4	304.2	263.0	237.2	229.7
62.5°	291.0	273.5	235.9	212.6	206.2
65°	257.5	241.9	208.8	189.8	183.6
67.5°	223.9	212.0	183.0	166.1	162.7
70°	190.6	181.7	158.2	147.1	142.8
72.5°	159.0	154.4	134.7	127.2	121.5
75°	129.8	128.1	115.3	106.1	104.4
77.5°	103.3	105.9	94.8	88.2	86.7
80°	79.6	82.2	75.1	69.6	67.7
82.5°	58.1	61.5	54.4	53.2	51.2
85°	38.4	39.5	36.1	36.5	33.9
87.5°	18.8	20.9	19.0	19.6	18.4
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	14.7	16.4	15.0	16.7	17.0	12.9	14.6	13.2	14.9	15.2
	3H	16.4	18.0	16.8	18.3	18.7	14.6	16.1	15.0	16.5	16.8
	4H	17.1	18.5	17.5	18.9	19.2	15.3	16.8	15.7	17.1	17.5
	6H	17.6	18.9	18.0	19.3	19.7	15.9	17.2	16.3	17.6	18.0
	8H	17.7	19.0	18.2	19.4	19.8	16.1	17.4	16.5	17.8	18.2
	12H	17.9	19.1	18.3	19.5	19.9	16.3	17.5	16.7	17.9	18.3
4H	2H	15.1	16.6	15.5	16.9	17.3	13.6	15.1	14.0	15.4	15.8
	3H	17.1	18.3	17.5	18.7	19.1	15.6	16.8	16.0	17.2	17.6
	4H	17.9	19.0	18.3	19.4	19.8	16.4	17.5	16.8	17.9	18.4
	6H	18.5	19.5	19.0	20.0	20.4	17.1	18.1	17.6	18.5	19.0
	8H	18.8	19.7	19.2	20.1	20.6	17.4	18.3	17.9	18.7	19.2
	12H	19.0	19.8	19.5	20.3	20.7	17.6	18.4	18.1	18.9	19.4
8H	4H	18.1	19.0	18.6	19.5	20.0	16.8	17.7	17.3	18.2	18.6
	6H	18.9	19.7	19.4	20.2	20.7	17.7	18.4	18.2	18.9	19.4
	8H	19.3	20.0	19.8	20.5	21.0	18.1	18.7	18.6	19.2	19.7
	12H	19.6	20.2	20.1	20.7	21.2	18.4	19.0	18.9	19.5	20.0
12H	4H	18.2	19.0	18.6	19.5	19.9	16.9	17.7	17.4	18.2	18.7
	6H	19.0	19.7	19.5	20.2	20.7	17.8	18.5	18.3	18.9	19.5
	8H	19.4	20.0	19.9	20.5	21.0	18.2	18.8	18.7	19.3	19.9











(END OF REPORT)