

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: P1584148

Luminaire Tested: 14CGSB-20-F125-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584148
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-L940
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

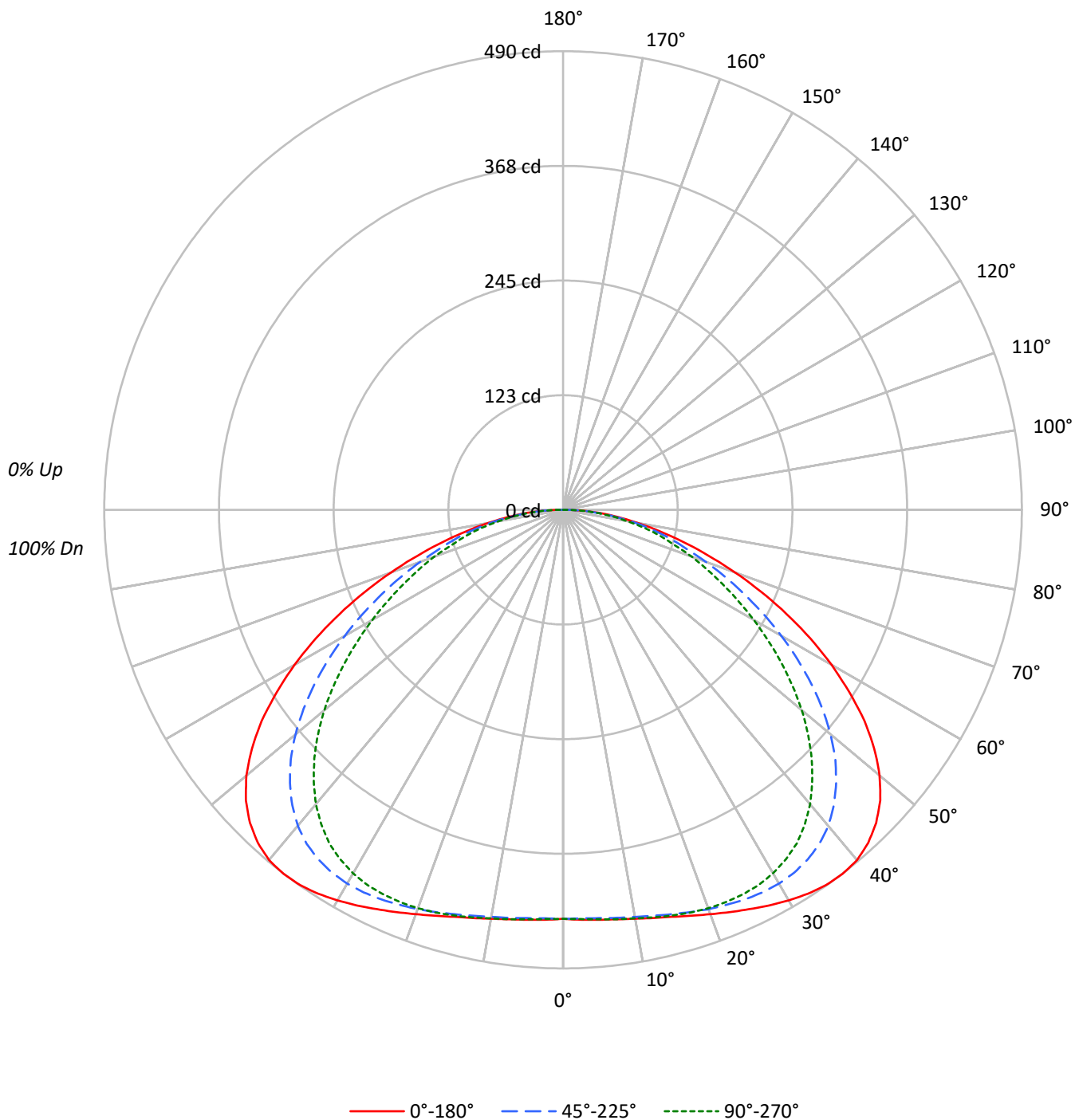
Lumens per Lamp: N/A
Luminaire Lumens: 1674.7 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	1176	1176	1176
5°	1187	1183	1186
10°	1212	1207	1211
15°	1254	1246	1250
20°	1316	1300	1297
25°	1398	1364	1346
30°	1497	1433	1393
35°	1608	1497	1429
40°	1716	1548	1442
45°	1800	1570	1429
50°	1848	1562	1393
55°	1843	1518	1335
60°	1781	1449	1265
65°	1678	1361	1196
70°	1535	1274	1150
75°	1382	1227	1111
80°	1263	1192	1074
85°	1213	1139	1071

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1852 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	2.5
10°-20°	127.3	7.6
20°-30°	213.1	12.7
30°-40°	287.1	17.1
40°-50°	322.1	19.2
50°-60°	295.5	17.6
60°-70°	218.6	13.1
70°-80°	127.2	7.6
80°-90°	41.8	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°	382.4	22.8
0°-40°	669.6	40.0
0°-60°	1287.2	76.9
0°-90°	1674.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1674.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	437	437	437	437	437	
5°	440	439	438	438	439	42
15°	450	449	447	448	449	128
25°	471	467	459	454	453	218
35°	490	479	456	440	435	307
45°	473	455	412	385	376	363
55°	393	370	324	294	284	349
65°	264	248	214	194	188	261
75°	133	131	118	109	107	142
85°	39	40	37	37	35	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	437.0	437.0	437.0	437.0	437.0
2.5°	438.3	438.3	436.8	437.2	437.7
5°	439.6	439.4	437.9	438.1	439.2
7.5°	441.2	441.2	439.6	439.6	441.2
10°	443.6	443.1	441.6	442.0	443.1
12.5°	446.6	445.8	444.2	444.7	446.0
15°	450.1	449.3	447.3	447.7	448.8
17.5°	454.7	453.4	450.6	450.6	451.2
20°	459.7	457.6	454.1	452.3	453.0
22.5°	465.2	462.4	456.7	453.6	453.8
25°	470.7	467.2	459.3	454.3	453.4
27.5°	476.6	471.5	460.8	453.8	452.1
30°	481.8	475.5	461.1	451.4	448.4
32.5°	486.4	478.1	459.5	446.9	442.9
35°	489.5	479.2	455.8	439.9	435.1
37.5°	490.3	477.9	449.7	430.2	423.9
40°	488.4	473.7	440.7	417.6	410.6
42.5°	482.5	466.3	428.1	402.3	394.0
45°	472.9	454.9	412.5	384.6	375.6
47.5°	459.5	439.2	394.4	364.3	354.9
50°	441.4	420.0	373.0	342.2	332.8
52.5°	418.9	396.6	349.2	318.8	308.8
55°	392.9	370.4	323.6	293.5	284.5
57.5°	362.5	341.8	296.7	268.1	259.6
60°	331.0	311.4	269.2	242.8	235.1
62.5°	297.8	279.9	241.5	217.6	211.1
65°	263.5	247.6	213.7	194.3	187.9
67.5°	229.2	217.0	187.3	170.0	166.5
70°	195.1	186.0	161.9	150.6	146.2
72.5°	162.8	158.0	137.9	130.2	124.3
75°	132.9	131.1	118.0	108.6	106.9
77.5°	105.8	108.4	97.0	90.2	88.7
80°	81.5	84.1	76.9	71.2	69.3
82.5°	59.4	62.9	55.7	54.4	52.4
85°	39.3	40.4	36.9	37.4	34.7
87.5°	19.2	21.4	19.4	20.1	18.8
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	14.8	16.5	15.1	16.8	17.1	13.0	14.7	13.3	15.0	15.3
	3H	16.5	18.1	16.9	18.4	18.7	14.7	16.2	15.1	16.5	16.9
	4H	17.2	18.6	17.5	19.0	19.3	15.4	16.8	15.8	17.2	17.6
	6H	17.6	19.0	18.1	19.4	19.7	16.0	17.3	16.4	17.7	18.1
	8H	17.8	19.1	18.2	19.5	19.9	16.2	17.5	16.6	17.9	18.3
	12H	17.9	19.2	18.4	19.6	20.0	16.3	17.6	16.8	18.0	18.4
4H	2H	15.2	16.6	15.6	17.0	17.4	13.7	15.2	14.1	15.5	15.9
	3H	17.2	18.4	17.6	18.8	19.2	15.7	16.9	16.1	17.3	17.7
	4H	18.0	19.1	18.4	19.5	19.9	16.5	17.6	16.9	18.0	18.4
	6H	18.6	19.6	19.1	20.0	20.5	17.2	18.2	17.6	18.6	19.1
	8H	18.9	19.8	19.3	20.2	20.7	17.5	18.4	17.9	18.8	19.3
	12H	19.1	19.9	19.5	20.4	20.8	17.7	18.5	18.2	19.0	19.5
8H	4H	18.2	19.1	18.7	19.6	20.0	16.9	17.8	17.4	18.3	18.7
	6H	19.0	19.8	19.5	20.3	20.7	17.8	18.5	18.3	19.0	19.5
	8H	19.4	20.0	19.9	20.5	21.0	18.1	18.8	18.6	19.3	19.8
	12H	19.7	20.3	20.2	20.7	21.3	18.5	19.1	19.0	19.6	20.1
12H	4H	18.3	19.1	18.7	19.5	20.0	17.0	17.8	17.5	18.3	18.7
	6H	19.1	19.8	19.6	20.2	20.8	17.9	18.6	18.4	19.0	19.6
	8H	19.5	20.1	20.0	20.6	21.1	18.3	18.9	18.8	19.4	20.0















(END OF REPORT)