

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: P1584074

Luminaire Tested: 14CGSB-20-A125-L840

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P1527173)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGSB-20-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

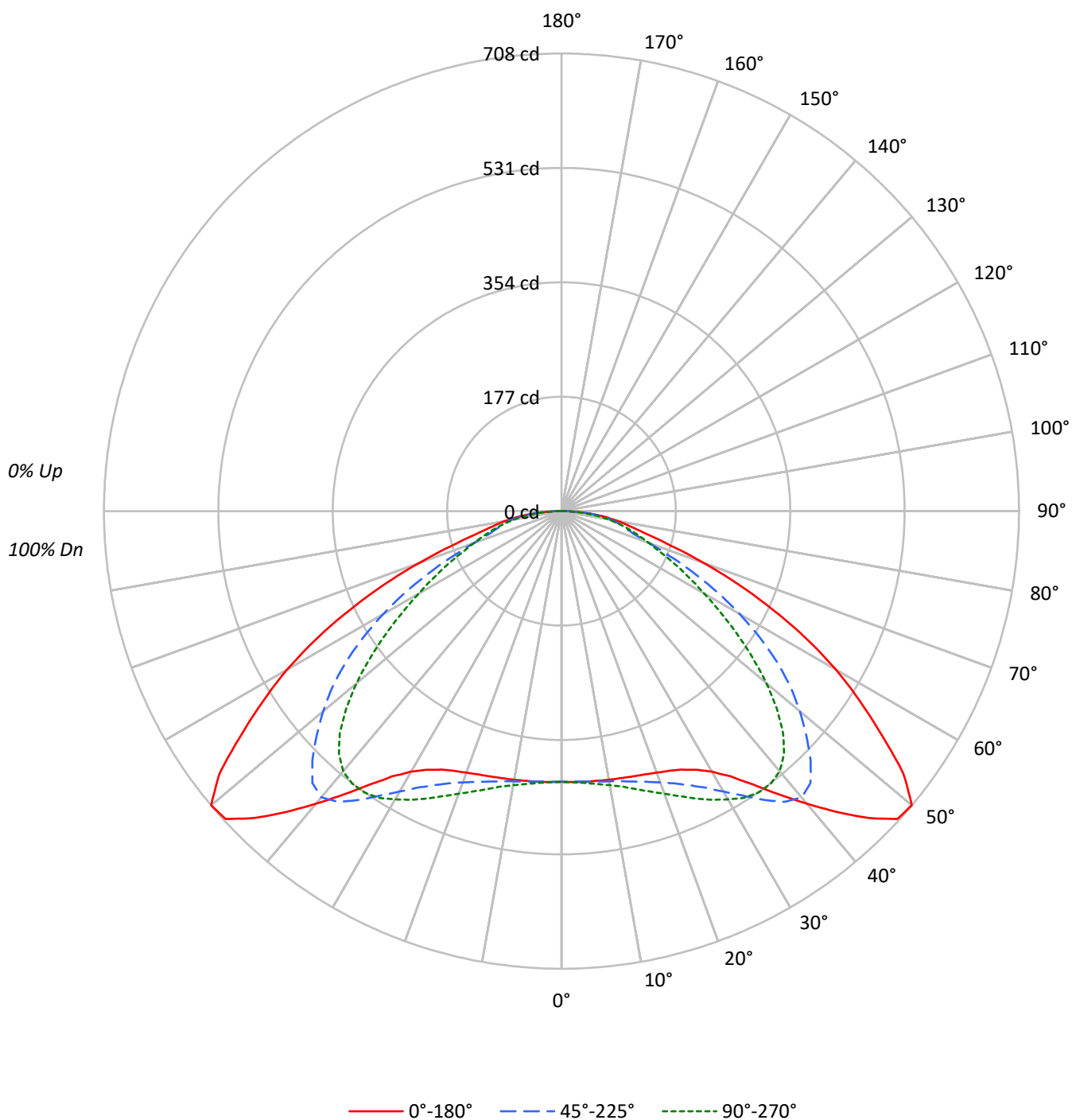
Lumens per Lamp: N/A
Luminaire Lumens: 1961.4 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	95	105	101	97	93	97	93	90		93	90	87		89	87	85		83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70		68
3	89	77	69	62	86	76	68	61	73	66	60		70	64	59		67	62	58		56
4	80	68	58	51	78	66	58	51	64	56	50		61	55	50		59	54	49		47
5	73	60	50	43	71	59	50	43	56	49	43		54	48	42		53	46	42		39
6	67	53	44	37	65	52	43	37	50	42	36		49	42	36		47	41	36		34
7	62	48	38	32	60	47	38	32	45	37	32		44	37	31		42	36	31		29
8	57	43	34	28	56	42	34	28	41	33	28		40	33	28		39	32	27		25
9	53	39	31	25	52	39	30	25	37	30	24		36	29	24		35	29	24		22
10	50	36	28	22	48	35	27	22	34	27	22		33	27	22		32	26	22		20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1127	1127	1127
5°	1135	1134	1140
10°	1153	1160	1176
15°	1184	1207	1241
20°	1233	1279	1332
25°	1310	1389	1456
30°	1446	1556	1600
35°	1694	1791	1746
40°	2074	2030	1845
45°	2554	2074	1845
50°	2963	2015	1733
55°	2842	1910	1559
60°	2640	1714	1372
65°	2300	1435	1230
70°	1840	1128	1128
75°	1412	1070	1121
80°	1385	1235	1141
85°	1392	1368	1118

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2963 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.3	2.1
10°-20°	123.6	6.3
20°-30°	217.6	11.1
30°-40°	337.1	17.2
40°-50°	429.4	21.9
50°-60°	390.7	19.9
60°-70°	253.4	12.9
70°-80°	123.2	6.3
80°-90°	46.2	2.4
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°	381.5	19.5
0°-40°	718.6	36.6
0°-60°	1538.7	78.4
0°-90°	1961.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1961.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	419	419	419	419	419	
5°	420	421	420	421	422	40
15°	425	428	433	441	445	121
25°	441	450	468	484	490	206
35°	516	538	545	536	531	329
45°	671	630	545	498	485	516
55°	606	531	407	351	332	541
65°	361	320	225	195	193	358
75°	136	124	103	98	108	154
85°	45	49	44	40	36	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	418.8	418.8	418.8	418.8	418.8
2.5°	419.6	420.1	418.8	419.0	419.8
5°	420.3	420.8	419.8	420.6	422.1
7.5°	420.8	421.8	421.8	423.6	425.7
10°	422.1	423.1	424.4	428.0	430.5
12.5°	423.1	424.9	428.0	433.8	436.6
15°	424.9	427.7	433.1	441.2	445.3
17.5°	427.2	431.3	438.9	449.6	454.5
20°	430.5	435.9	446.6	459.3	465.2
22.5°	434.8	442.0	455.7	470.8	477.1
25°	441.2	450.4	467.7	484.3	490.4
27.5°	450.9	462.4	482.2	498.8	503.4
30°	465.2	479.4	500.8	512.3	514.8
32.5°	486.3	504.6	521.7	525.5	526.0
35°	515.8	538.3	545.1	536.2	531.4
37.5°	552.0	577.0	566.8	540.3	531.6
40°	590.5	610.9	578.0	537.0	525.3
42.5°	631.2	630.2	570.4	522.5	509.7
45°	671.2	630.0	545.1	497.5	484.8
47.5°	704.9	610.9	513.8	466.7	451.7
50°	707.7	585.9	481.2	429.2	414.0
52.5°	666.9	561.2	446.8	390.5	372.9
55°	605.8	531.4	407.1	350.8	332.2
57.5°	547.9	492.4	363.8	309.8	291.4
60°	490.6	442.2	318.4	270.0	255.0
62.5°	427.2	383.9	272.1	230.5	222.6
65°	361.2	320.0	225.4	195.4	193.1
67.5°	297.3	259.3	180.9	162.3	165.1
70°	233.9	204.8	143.4	139.1	143.4
72.5°	177.8	161.5	116.7	117.7	124.8
75°	135.8	124.3	102.9	98.1	107.8
77.5°	108.8	101.4	91.2	84.1	91.2
80°	89.4	87.6	79.7	71.3	73.6
82.5°	67.5	68.8	62.7	58.3	55.5
85°	45.1	49.2	44.3	40.5	36.2
87.5°	22.7	27.5	23.4	20.9	18.6
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	16.8	18.5	17.1	18.8	19.1	13.3	15.1	13.7	15.4	15.7
	3H	18.1	19.6	18.4	19.9	20.3	14.6	16.2	15.0	16.5	16.9
	4H	18.4	19.9	18.8	20.2	20.6	15.2	16.7	15.6	17.0	17.4
	6H	18.7	20.1	19.1	20.4	20.8	15.7	17.1	16.1	17.5	17.8
	8H	18.8	20.1	19.3	20.5	20.9	15.9	17.3	16.4	17.6	18.0
	12H	18.9	20.2	19.4	20.6	21.0	16.1	17.4	16.5	17.8	18.2
4H	2H	16.9	18.4	17.3	18.8	19.1	14.0	15.5	14.4	15.8	16.2
	3H	18.4	19.6	18.8	20.0	20.4	15.4	16.7	15.8	17.1	17.5
	4H	18.9	20.0	19.3	20.4	20.8	16.1	17.2	16.5	17.6	18.1
	6H	19.3	20.3	19.8	20.7	21.2	16.8	17.8	17.2	18.2	18.7
	8H	19.5	20.4	20.0	20.9	21.3	17.1	18.0	17.5	18.4	18.9
	12H	19.7	20.5	20.2	21.0	21.5	17.3	18.2	17.8	18.6	19.1
8H	4H	19.0	19.9	19.4	20.3	20.8	16.5	17.4	16.9	17.8	18.3
	6H	19.6	20.3	20.0	20.8	21.3	17.3	18.1	17.8	18.5	19.0
	8H	19.9	20.5	20.4	21.0	21.5	17.7	18.4	18.2	18.9	19.4
	12H	20.1	20.8	20.6	21.2	21.8	18.1	18.7	18.6	19.2	19.7
12H	4H	19.0	19.8	19.5	20.3	20.8	16.5	17.3	17.0	17.8	18.3
	6H	19.6	20.3	20.1	20.8	21.3	17.4	18.1	17.9	18.6	19.1
	8H	20.0	20.6	20.5	21.1	21.6	17.9	18.5	18.4	19.0	19.6













(END OF REPORT)