

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: P1584139

Luminaire Tested: 14CGSB-70-A125-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584139
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-70-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

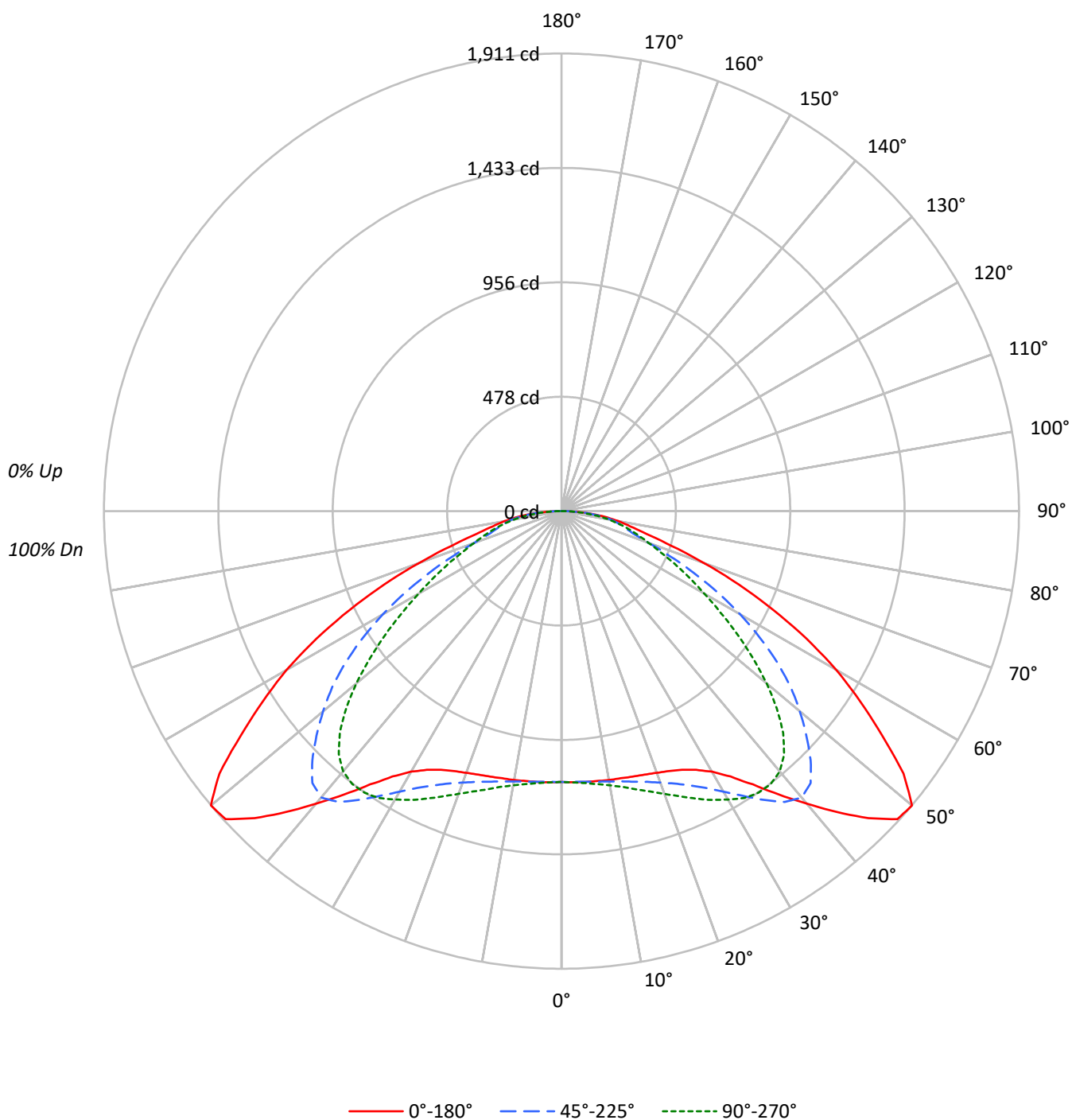
Lumens per Lamp: N/A
Luminaire Lumens: 5297.1 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 74.8
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	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°	3043	3043	3043
5°	3066	3063	3079
10°	3115	3132	3177
15°	3197	3258	3350
20°	3330	3454	3597
25°	3538	3750	3932
30°	3903	4203	4320
35°	4576	4836	4714
40°	5602	5484	4983
45°	6899	5603	4982
50°	8001	5441	4680
55°	7675	5158	4209
60°	7131	4628	3707
65°	6211	3876	3321
70°	4969	3047	3047
75°	3813	2889	3026
80°	3742	3336	3081
85°	3761	3696	3017

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 8001 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.8	2.1
10°-20°	333.9	6.3
20°-30°	587.6	11.1
30°-40°	910.3	17.2
40°-50°	1159.7	21.9
50°-60°	1055.1	19.9
60°-70°	684.2	12.9
70°-80°	332.8	6.3
80°-90°	124.7	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°	1030.4	19.5
0°-40°	1940.6	36.6
0°-60°	4155.4	78.4
0°-90°	5297.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5297.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1131	1131	1131	1131	1131	
5°	1135	1136	1134	1136	1140	108
15°	1148	1155	1170	1192	1203	326
25°	1192	1216	1263	1308	1324	556
35°	1393	1454	1472	1448	1435	887
45°	1813	1701	1472	1344	1309	1393
55°	1636	1435	1099	947	897	1461
65°	976	864	609	528	522	966
75°	367	336	278	265	291	416
85°	122	133	120	109	98	132
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1131.0	1131.0	1131.0	1131.0	1131.0
2.5°	1133.1	1134.4	1131.0	1131.7	1133.8
5°	1135.1	1136.5	1133.8	1135.8	1140.0
7.5°	1136.5	1139.3	1139.3	1144.1	1149.6
10°	1140.0	1142.7	1146.1	1155.8	1162.7
12.5°	1142.7	1147.5	1155.8	1171.6	1179.2
15°	1147.5	1155.1	1169.5	1191.6	1202.6
17.5°	1153.7	1164.7	1185.4	1214.3	1227.3
20°	1162.7	1177.1	1206.0	1240.4	1256.2
22.5°	1174.4	1193.6	1230.8	1271.4	1288.6
25°	1191.6	1216.3	1263.1	1307.8	1324.3
27.5°	1217.7	1248.7	1302.3	1347.0	1359.4
30°	1256.2	1294.7	1352.5	1383.5	1390.4
32.5°	1313.3	1362.9	1408.9	1419.3	1420.6
35°	1393.1	1453.7	1472.2	1448.2	1435.1
37.5°	1490.8	1558.2	1530.7	1459.2	1435.8
40°	1594.7	1649.7	1561.0	1450.2	1418.6
42.5°	1704.8	1702.0	1540.3	1411.0	1376.6
45°	1812.8	1701.3	1472.2	1343.6	1309.2
47.5°	1903.6	1649.7	1387.6	1260.3	1219.8
50°	1911.2	1582.3	1299.6	1159.2	1117.9
52.5°	1801.1	1515.6	1206.7	1054.6	1007.2
55°	1636.0	1435.1	1099.4	947.3	897.1
57.5°	1479.8	1329.8	982.4	836.6	787.0
60°	1325.0	1194.3	860.0	729.2	688.7
62.5°	1153.7	1036.8	734.7	622.6	601.3
65°	975.5	864.1	608.8	527.7	521.5
67.5°	802.9	700.3	488.5	438.2	445.8
70°	631.5	553.1	387.3	375.6	387.3
72.5°	480.2	436.2	315.1	317.8	337.1
75°	366.7	335.7	277.9	264.9	291.0
77.5°	293.8	273.8	246.3	227.0	246.3
80°	241.5	236.7	215.3	192.6	198.8
82.5°	182.3	185.7	169.2	157.5	150.0
85°	121.8	132.8	119.7	109.4	97.7
87.5°	61.2	74.3	63.3	56.4	50.2
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	20.2	22.0	20.6	22.3	22.6	16.8	18.5	17.1	18.8	19.1
	3H	21.5	23.1	21.9	23.4	23.8	18.1	19.6	18.4	19.9	20.3
	4H	21.9	23.3	22.3	23.7	24.1	18.6	20.1	19.0	20.4	20.8
	6H	22.2	23.5	22.6	23.9	24.3	19.2	20.5	19.6	20.9	21.3
	8H	22.3	23.6	22.7	24.0	24.4	19.4	20.7	19.8	21.1	21.5
	12H	22.4	23.7	22.8	24.0	24.5	19.6	20.8	20.0	21.2	21.6
4H	2H	20.4	21.9	20.8	22.2	22.6	17.4	18.9	17.8	19.3	19.6
	3H	21.9	23.1	22.3	23.5	23.9	18.9	20.1	19.3	20.5	20.9
	4H	22.3	23.4	22.8	23.9	24.3	19.6	20.7	20.0	21.1	21.5
	6H	22.8	23.8	23.2	24.2	24.6	20.2	21.2	20.7	21.7	22.1
	8H	23.0	23.9	23.4	24.3	24.8	20.5	21.5	21.0	21.9	22.4
	12H	23.2	24.0	23.6	24.5	24.9	20.8	21.6	21.3	22.1	22.6
8H	4H	22.4	23.3	22.9	23.8	24.3	19.9	20.8	20.4	21.3	21.7
	6H	23.0	23.8	23.5	24.3	24.7	20.7	21.5	21.2	22.0	22.5
	8H	23.3	24.0	23.8	24.5	25.0	21.2	21.8	21.7	22.3	22.8
	12H	23.6	24.2	24.1	24.7	25.3	21.5	22.1	22.0	22.6	23.2
12H	4H	22.4	23.3	22.9	23.7	24.2	20.0	20.8	20.5	21.3	21.7
	6H	23.1	23.8	23.6	24.2	24.7	20.9	21.6	21.4	22.0	22.6
	8H	23.4	24.0	23.9	24.5	25.1	21.3	22.0	21.9	22.5	23.0















(END OF REPORT)