

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: P1584109

Luminaire Tested: 14CGSB-45-A125-L840

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584109
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-45-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

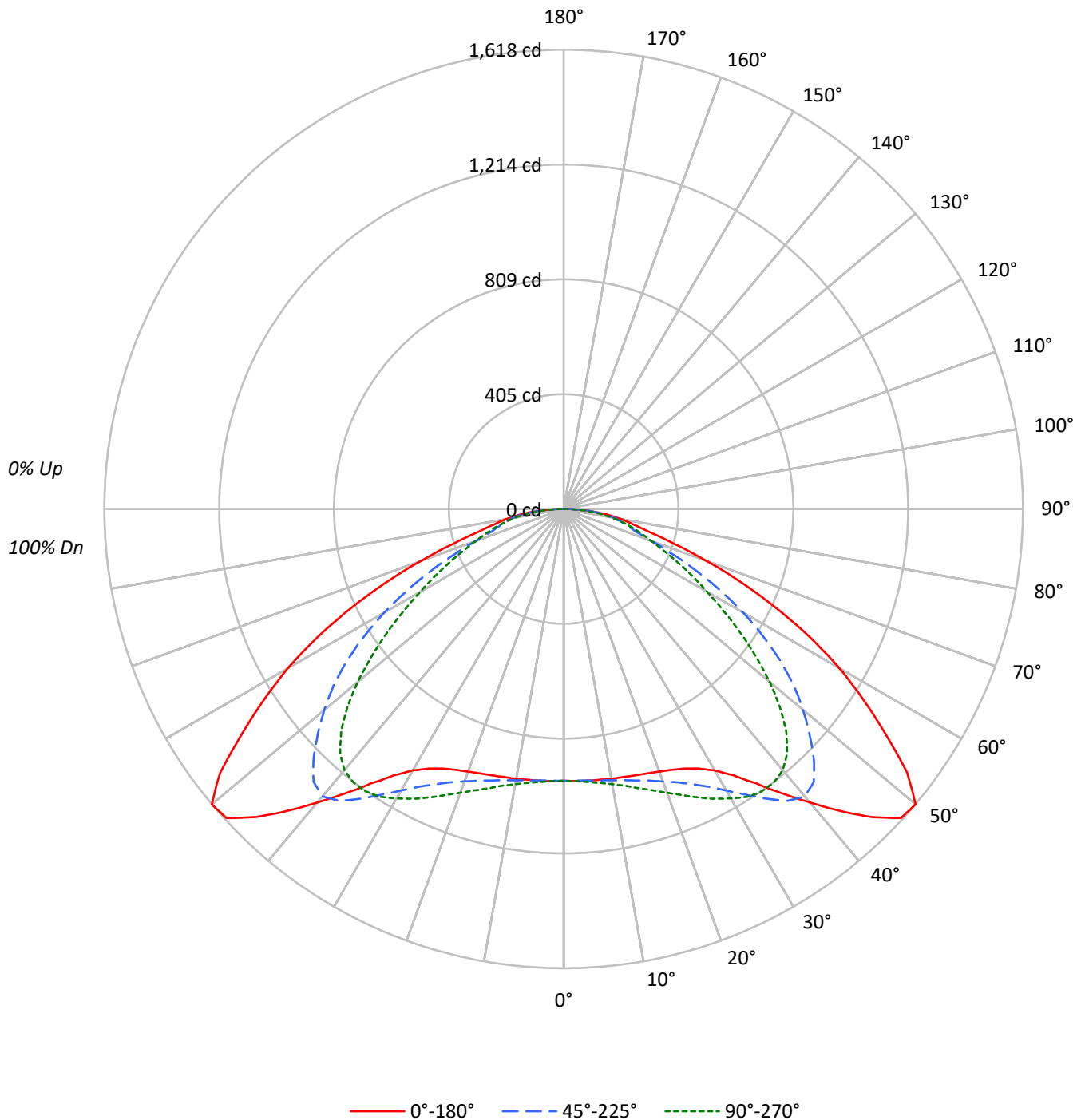
Lumens per Lamp: N/A
Luminaire Lumens: 4484.9 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.5
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							
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	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°	2577	2577	2577
5°	2596	2593	2607
10°	2637	2652	2690
15°	2707	2759	2837
20°	2819	2924	3046
25°	2995	3175	3329
30°	3305	3558	3658
35°	3875	4095	3991
40°	4743	4643	4219
45°	5841	4744	4218
50°	6774	4606	3962
55°	6498	4367	3563
60°	6037	3919	3138
65°	5259	3282	2811
70°	4207	2580	2580
75°	3228	2446	2562
80°	3168	2825	2608
85°	3183	3128	2553

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6774 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.2	2.1
10°-20°	282.7	6.3
20°-30°	497.5	11.1
30°-40°	770.7	17.2
40°-50°	981.8	21.9
50°-60°	893.3	19.9
60°-70°	579.3	12.9
70°-80°	281.8	6.3
80°-90°	105.6	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°	872.4	19.5
0°-40°	1643.1	36.6
0°-60°	3518.2	78.4
0°-90°	4484.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4484.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	958	958	958	958	958	
5°	961	962	960	962	965	92
15°	972	978	990	1009	1018	276
25°	1009	1030	1069	1107	1121	471
35°	1180	1231	1246	1226	1215	751
45°	1535	1440	1246	1138	1108	1179
55°	1385	1215	931	802	760	1237
65°	826	732	516	447	442	818
75°	310	284	235	224	246	352
85°	103	112	101	93	83	112
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	957.6	957.6	957.6	957.6	957.6
2.5°	959.3	960.5	957.6	958.2	959.9
5°	961.1	962.2	959.9	961.7	965.2
7.5°	962.2	964.6	964.6	968.6	973.3
10°	965.2	967.5	970.4	978.5	984.4
12.5°	967.5	971.6	978.5	991.9	998.4
15°	971.6	978.0	990.2	1008.8	1018.2
17.5°	976.8	986.1	1003.6	1028.1	1039.1
20°	984.4	996.6	1021.1	1050.2	1063.6
22.5°	994.3	1010.6	1042.0	1076.4	1091.0
25°	1008.8	1029.8	1069.4	1107.3	1121.3
27.5°	1031.0	1057.2	1102.6	1140.5	1151.0
30°	1063.6	1096.2	1145.1	1171.3	1177.2
32.5°	1111.9	1153.9	1192.9	1201.6	1202.8
35°	1179.5	1230.8	1246.5	1226.1	1215.0
37.5°	1262.2	1319.3	1296.0	1235.4	1215.6
40°	1350.2	1396.8	1321.6	1227.8	1201.1
42.5°	1443.4	1441.0	1304.2	1194.6	1165.5
45°	1534.8	1440.4	1246.5	1137.6	1108.4
47.5°	1611.7	1396.8	1174.8	1067.1	1032.7
50°	1618.1	1339.7	1100.3	981.5	946.5
52.5°	1524.9	1283.2	1021.7	892.9	852.7
55°	1385.1	1215.0	930.8	802.1	759.5
57.5°	1252.9	1125.9	831.8	708.3	666.3
60°	1121.8	1011.2	728.1	617.4	583.1
62.5°	976.8	877.8	622.1	527.1	509.1
65°	825.9	731.6	515.5	446.8	441.5
67.5°	679.7	593.0	413.6	371.0	377.4
70°	534.7	468.3	327.9	318.0	327.9
72.5°	406.6	369.3	266.8	269.1	285.4
75°	310.5	284.2	235.3	224.3	246.4
77.5°	248.7	231.8	208.5	192.2	208.5
80°	204.4	200.4	182.3	163.1	168.3
82.5°	154.4	157.3	143.3	133.4	127.0
85°	103.1	112.4	101.3	92.6	82.7
87.5°	51.8	62.9	53.6	47.8	42.5
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	19.6	21.4	20.0	21.7	22.0	16.2	17.9	16.6	18.2	18.6
	3H	20.9	22.5	21.3	22.8	23.2	17.5	19.0	17.9	19.4	19.7
	4H	21.3	22.8	21.7	23.1	23.5	18.1	19.5	18.4	19.9	20.2
	6H	21.6	23.0	22.0	23.3	23.7	18.6	20.0	19.0	20.3	20.7
	8H	21.7	23.0	22.1	23.4	23.8	18.8	20.1	19.2	20.5	20.9
	12H	21.8	23.1	22.3	23.5	23.9	19.0	20.2	19.4	20.6	21.1
4H	2H	19.8	21.3	20.2	21.6	22.0	16.9	18.3	17.3	18.7	19.1
	3H	21.3	22.5	21.7	22.9	23.3	18.3	19.5	18.7	19.9	20.3
	4H	21.7	22.9	22.2	23.3	23.7	19.0	20.1	19.4	20.5	20.9
	6H	22.2	23.2	22.7	23.6	24.1	19.7	20.6	20.1	21.1	21.5
	8H	22.4	23.3	22.9	23.8	24.2	20.0	20.9	20.4	21.3	21.8
	12H	22.6	23.4	23.1	23.9	24.4	20.2	21.0	20.7	21.5	22.0
8H	4H	21.9	22.8	22.3	23.2	23.7	19.3	20.2	19.8	20.7	21.1
	6H	22.4	23.2	22.9	23.7	24.2	20.2	20.9	20.7	21.4	21.9
	8H	22.7	23.4	23.2	23.9	24.4	20.6	21.3	21.1	21.8	22.3
	12H	23.0	23.6	23.5	24.1	24.7	20.9	21.5	21.4	22.0	22.6
12H	4H	21.9	22.7	22.3	23.2	23.6	19.4	20.2	19.9	20.7	21.2
	6H	22.5	23.2	23.0	23.6	24.2	20.3	21.0	20.8	21.4	22.0
	8H	22.8	23.4	23.3	23.9	24.5	20.8	21.4	21.3	21.9	22.4















(END OF REPORT)