

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: P1527346

Luminaire Tested: 24CGSB-45-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGSB-45-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

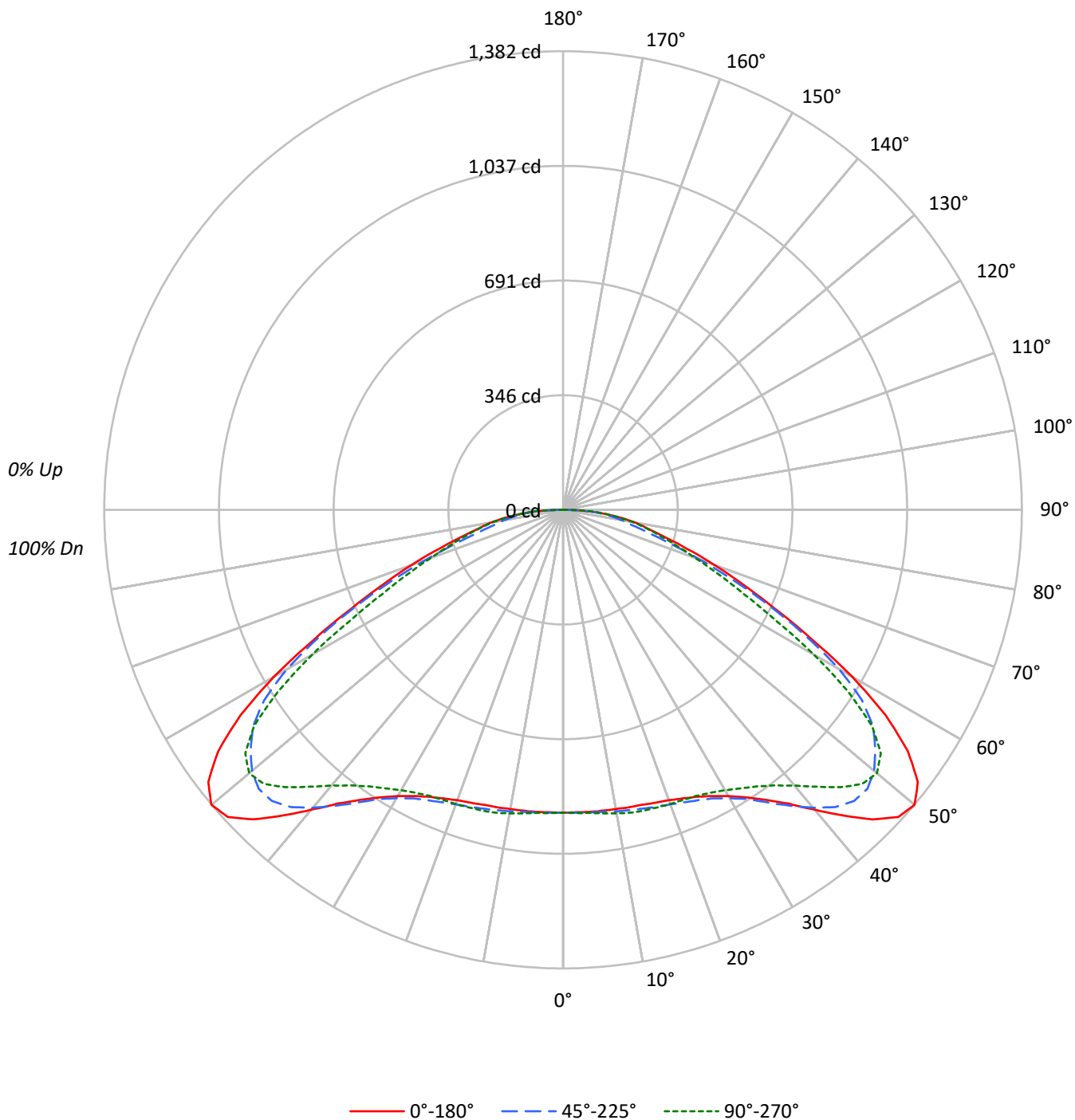
Lumens per Lamp: N/A
Luminaire Lumens: 4557.2 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 35.4
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	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	102	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82			
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66			
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54			
4	79	66	56	49	77	65	56	49	62	54	48	60	53	47	57	51	47	44			
5	72	58	48	41	70	57	48	41	55	46	40	53	45	40	51	44	39	37			
6	66	51	42	35	64	50	41	35	49	40	34	47	39	34	45	39	34	31			
7	61	46	36	30	59	45	36	30	43	35	29	42	35	29	41	34	29	27			
8	56	41	32	26	54	41	32	26	39	31	26	38	31	25	37	30	25	23			
9	52	38	29	23	50	37	29	23	36	28	23	35	28	22	34	27	22	20			
10	48	34	26	20	47	34	26	20	33	25	20	32	25	20	31	24	20	18			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1228	1228	1228
5°	1234	1236	1238
10°	1251	1260	1269
15°	1282	1298	1307
20°	1333	1352	1350
25°	1416	1433	1412
30°	1547	1558	1515
35°	1752	1768	1671
40°	2072	2058	1904
45°	2510	2360	2249
50°	2894	2560	2583
55°	2974	2675	2665
60°	2703	2584	2346
65°	2236	2195	1914
70°	1909	1720	1664
75°	1653	1370	1575
80°	1712	1388	1657
85°	1729	1669	1839

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2977 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.6	1.9
10°-20°	264.2	5.8
20°-30°	446.3	9.8
30°-40°	671.9	14.7
40°-50°	955.4	21.0
50°-60°	1025.3	22.5
60°-70°	668.2	14.7
70°-80°	321.3	7.0
80°-90°	116.9	2.6
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°	798.2	17.5
0°-40°	1470.1	32.3
0°-60°	3450.8	75.7
0°-90°	4557.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4557.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	913	913	913	913	913	
5°	914	914	915	918	917	87
15°	920	925	932	937	938	262
25°	954	963	965	956	951	444
35°	1067	1087	1076	1040	1017	677
45°	1319	1287	1240	1208	1182	1013
55°	1268	1236	1140	1107	1136	1109
65°	702	697	690	616	601	711
75°	318	301	264	300	303	349
85°	112	105	108	111	119	122
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	912.9	912.9	912.9	912.9	912.9
2.5°	912.1	912.9	913.7	914.5	914.5
5°	913.7	914.5	915.3	918.4	916.9
7.5°	914.5	915.3	917.7	922.4	922.4
10°	915.3	917.7	922.4	927.1	928.7
12.5°	918.4	920.8	927.1	933.4	935.0
15°	920.0	924.8	931.9	937.4	938.2
17.5°	925.5	930.3	938.2	940.5	940.5
20°	931.1	937.4	944.5	944.5	942.9
22.5°	941.3	948.4	954.0	949.2	946.1
25°	954.0	962.6	965.0	956.3	950.8
27.5°	972.1	983.1	980.0	968.2	961.1
30°	995.8	1010.0	1002.9	985.5	975.3
32.5°	1027.3	1044.7	1032.9	1010.8	995.0
35°	1066.8	1087.3	1076.3	1040.0	1017.1
37.5°	1115.7	1137.0	1123.6	1077.0	1046.3
40°	1179.6	1190.7	1171.7	1121.2	1084.1
42.5°	1249.1	1243.5	1214.3	1167.8	1131.5
45°	1319.3	1286.9	1240.4	1208.0	1182.0
47.5°	1369.8	1309.8	1243.5	1227.0	1222.2
50°	1382.4	1305.1	1223.0	1216.7	1234.1
52.5°	1346.9	1279.8	1185.9	1174.9	1206.4
55°	1268.0	1235.6	1140.2	1107.0	1136.2
57.5°	1152.0	1149.6	1067.6	1008.4	1016.3
60°	1004.5	1013.9	960.3	876.6	871.9
62.5°	845.1	850.6	826.9	740.1	723.6
65°	702.2	696.7	689.6	615.5	601.3
67.5°	584.7	568.1	557.1	512.1	505.0
70°	485.3	459.2	437.1	430.0	422.9
72.5°	392.9	374.0	338.5	358.2	357.4
75°	318.0	300.6	263.5	299.8	303.0
77.5°	260.4	248.5	213.0	246.2	256.4
80°	220.9	196.5	179.1	200.4	213.8
82.5°	168.9	149.9	146.0	154.7	167.3
85°	112.0	104.9	108.1	111.3	119.1
87.5°	56.8	60.8	65.5	71.0	75.0
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	17.1	18.9	17.5	19.2	19.5	16.2	18.0	16.6	18.3	18.6
	3H	18.2	19.8	18.6	20.2	20.5	17.3	19.0	17.7	19.3	19.6
	4H	18.6	20.1	19.0	20.5	20.9	17.8	19.3	18.2	19.7	20.0
	6H	19.0	20.4	19.4	20.7	21.1	18.2	19.7	18.6	20.0	20.4
	8H	19.1	20.5	19.5	20.9	21.3	18.4	19.8	18.9	20.2	20.6
	12H	19.3	20.6	19.7	20.9	21.4	18.6	19.9	19.0	20.3	20.7
4H	2H	17.5	19.0	17.9	19.4	19.8	16.8	18.3	17.2	18.6	19.0
	3H	18.8	20.1	19.2	20.5	20.9	18.1	19.4	18.5	19.8	20.2
	4H	19.3	20.5	19.7	20.9	21.3	18.7	19.8	19.1	20.2	20.7
	6H	19.8	20.8	20.2	21.3	21.7	19.2	20.3	19.7	20.7	21.1
	8H	20.0	21.0	20.5	21.4	21.9	19.5	20.5	20.0	20.9	21.4
	12H	20.2	21.1	20.7	21.5	22.0	19.7	20.6	20.2	21.1	21.5
8H	4H	19.5	20.4	19.9	20.9	21.3	18.9	19.8	19.3	20.3	20.7
	6H	20.1	20.9	20.6	21.3	21.8	19.6	20.4	20.1	20.9	21.3
	8H	20.4	21.1	20.9	21.6	22.1	19.9	20.6	20.4	21.2	21.6
	12H	20.7	21.3	21.2	21.8	22.3	20.3	20.9	20.8	21.4	22.0
12H	4H	19.5	20.4	20.0	20.8	21.3	18.9	19.8	19.4	20.2	20.7
	6H	20.1	20.9	20.6	21.3	21.8	19.6	20.4	20.2	20.8	21.4
	8H	20.5	21.1	21.0	21.6	22.2	20.1	20.7	20.6	21.2	21.7













(END OF REPORT)