

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: P1584119

Luminaire Tested: 14CGSB-50-A125-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584119
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-50-A125-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

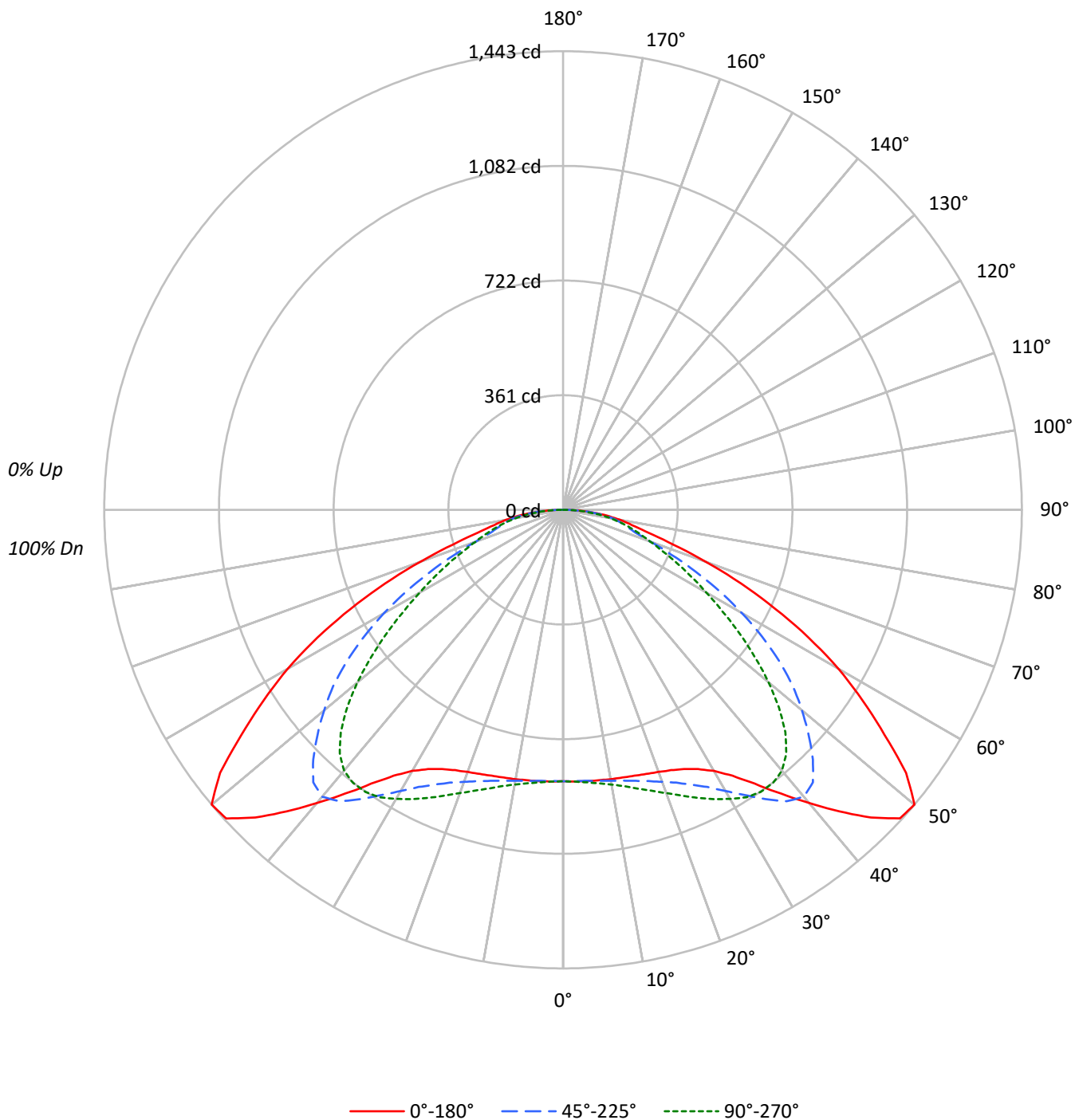
Lumens per Lamp: N/A
Luminaire Lumens: 3999.1 lumens
Efficiency: N/A
Efficacy: 68.7 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 58.2
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°	2298	2298	2298
5°	2315	2312	2325
10°	2352	2364	2398
15°	2413	2460	2529
20°	2513	2607	2716
25°	2671	2831	2969
30°	2947	3173	3262
35°	3455	3651	3559
40°	4229	4140	3762
45°	5208	4230	3761
50°	6040	4107	3533
55°	5795	3894	3178
60°	5384	3494	2798
65°	4690	2926	2507
70°	3751	2301	2301
75°	2878	2181	2284
80°	2825	2520	2326
85°	2837	2791	2279

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6040 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.2	2.1
10°-20°	252.1	6.3
20°-30°	443.6	11.1
30°-40°	687.2	17.2
40°-50°	875.5	21.9
50°-60°	796.6	19.9
60°-70°	516.6	12.9
70°-80°	251.3	6.3
80°-90°	94.1	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°	777.9	19.5
0°-40°	1465.1	36.6
0°-60°	3137.2	78.4
0°-90°	3999.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3999.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	854	854	854	854	854	
5°	857	858	856	858	861	82
15°	866	872	883	900	908	246
25°	900	918	954	987	1000	420
35°	1052	1097	1112	1093	1083	670
45°	1369	1284	1112	1014	988	1051
55°	1235	1083	830	715	677	1103
65°	736	652	460	398	394	729
75°	277	254	210	200	220	314
85°	92	100	90	83	74	100
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	853.9	853.9	853.9	853.9	853.9
2.5°	855.4	856.5	853.9	854.4	855.9
5°	857.0	858.0	855.9	857.5	860.6
7.5°	858.0	860.1	860.1	863.7	867.9
10°	860.6	862.7	865.3	872.6	877.7
12.5°	862.7	866.3	872.6	884.5	890.2
15°	866.3	872.0	882.9	899.6	907.9
17.5°	871.0	879.3	894.9	916.7	926.6
20°	877.7	888.7	910.5	936.4	948.4
22.5°	886.6	901.1	929.2	959.8	972.8
25°	899.6	918.3	953.6	987.3	999.8
27.5°	919.3	942.7	983.2	1016.9	1026.3
30°	948.4	977.5	1021.1	1044.5	1049.7
32.5°	991.5	1028.9	1063.7	1071.5	1072.5
35°	1051.7	1097.4	1111.5	1093.3	1083.4
37.5°	1125.5	1176.4	1155.6	1101.6	1083.9
40°	1203.9	1245.5	1178.5	1094.8	1071.0
42.5°	1287.0	1284.9	1162.9	1065.2	1039.3
45°	1368.6	1284.4	1111.5	1014.3	988.4
47.5°	1437.1	1245.5	1047.6	951.5	920.9
50°	1442.8	1194.6	981.1	875.2	844.0
52.5°	1359.7	1144.2	911.0	796.2	760.4
55°	1235.1	1083.4	830.0	715.2	677.3
57.5°	1117.2	1004.0	741.7	631.6	594.2
60°	1000.3	901.6	649.2	550.5	519.9
62.5°	871.0	782.7	554.7	470.0	453.9
65°	736.5	652.3	459.6	398.4	393.7
67.5°	606.1	528.7	368.8	330.8	336.6
70°	476.8	417.6	292.4	283.6	292.4
72.5°	362.5	329.3	237.9	240.0	254.5
75°	276.8	253.5	209.8	200.0	219.7
77.5°	221.8	206.7	185.9	171.4	185.9
80°	182.3	178.7	162.6	145.4	150.1
82.5°	137.6	140.2	127.8	118.9	113.2
85°	91.9	100.2	90.4	82.6	73.8
87.5°	46.2	56.1	47.8	42.6	37.9
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	19.2	21.0	19.6	21.3	21.6	15.8	17.5	16.2	17.8	18.2
	3H	20.5	22.1	20.9	22.4	22.8	17.1	18.6	17.5	19.0	19.3
	4H	20.9	22.4	21.3	22.7	23.1	17.7	19.1	18.1	19.5	19.8
	6H	21.2	22.6	21.6	22.9	23.3	18.2	19.6	18.6	19.9	20.3
	8H	21.3	22.6	21.7	23.0	23.4	18.4	19.7	18.8	20.1	20.5
	12H	21.4	22.7	21.9	23.1	23.5	18.6	19.8	19.0	20.2	20.7
4H	2H	19.4	20.9	19.8	21.2	21.6	16.5	17.9	16.9	18.3	18.7
	3H	20.9	22.1	21.3	22.5	22.9	17.9	19.1	18.3	19.5	19.9
	4H	21.3	22.5	21.8	22.9	23.3	18.6	19.7	19.0	20.1	20.5
	6H	21.8	22.8	22.3	23.2	23.7	19.3	20.2	19.7	20.7	21.1
	8H	22.0	22.9	22.5	23.4	23.8	19.6	20.5	20.0	20.9	21.4
	12H	22.2	23.0	22.7	23.5	24.0	19.8	20.6	20.3	21.1	21.6
8H	4H	21.5	22.4	21.9	22.8	23.3	18.9	19.8	19.4	20.3	20.7
	6H	22.0	22.8	22.5	23.3	23.8	19.8	20.5	20.3	21.0	21.5
	8H	22.3	23.0	22.8	23.5	24.0	20.2	20.9	20.7	21.4	21.9
	12H	22.6	23.2	23.1	23.7	24.3	20.5	21.1	21.0	21.6	22.2
12H	4H	21.5	22.3	21.9	22.8	23.2	19.0	19.8	19.5	20.3	20.8
	6H	22.1	22.8	22.6	23.2	23.8	19.9	20.6	20.4	21.1	21.6
	8H	22.4	23.0	22.9	23.5	24.1	20.4	21.0	20.9	21.5	22.0















(END OF REPORT)