

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: P1584120

Luminaire Tested: 14CGSB-50-A125-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584120
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

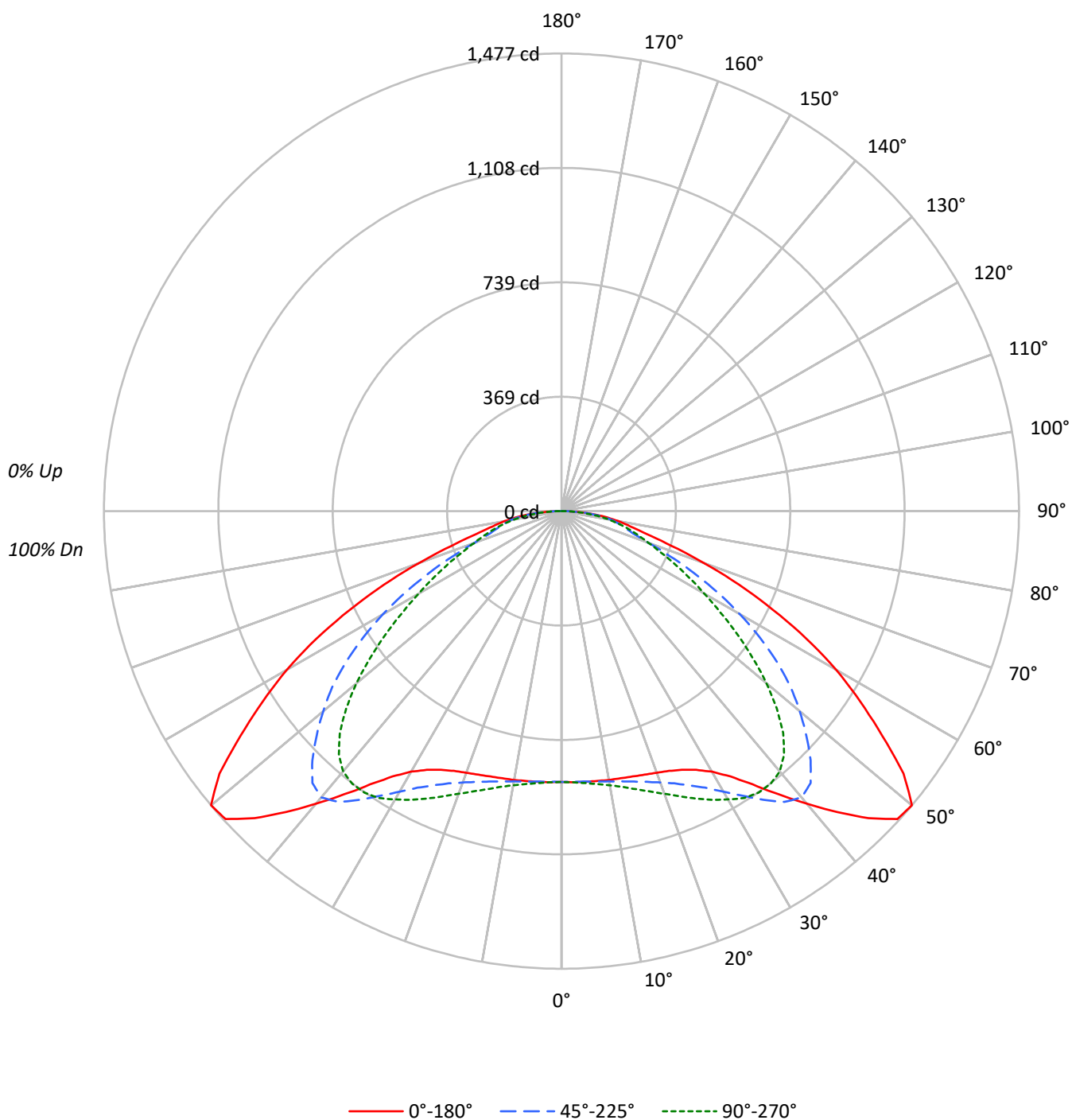
Lumens per Lamp: N/A
Luminaire Lumens: 4093.2 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 58.2
Input Voltage (V):
Input Current (Ain): 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°	2352	2352	2352
5°	2369	2367	2380
10°	2407	2420	2455
15°	2470	2518	2589
20°	2573	2669	2780
25°	2734	2898	3038
30°	3016	3247	3338
35°	3536	3737	3643
40°	4329	4237	3851
45°	5331	4329	3850
50°	6183	4204	3616
55°	5931	3985	3252
60°	5511	3576	2864
65°	4800	2996	2566
70°	3840	2355	2355
75°	2946	2233	2338
80°	2892	2579	2380
85°	2905	2856	2331

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6183 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	2.1
10°-20°	258.0	6.3
20°-30°	454.1	11.1
30°-40°	703.4	17.2
40°-50°	896.1	21.9
50°-60°	815.3	19.9
60°-70°	528.7	12.9
70°-80°	257.2	6.3
80°-90°	96.3	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°	796.2	19.5
0°-40°	1499.6	36.6
0°-60°	3210.9	78.4
0°-90°	4093.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4093.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	874	874	874	874	874	
5°	877	878	876	878	881	84
15°	887	893	904	921	929	252
25°	921	940	976	1011	1023	430
35°	1076	1123	1138	1119	1109	686
45°	1401	1315	1138	1038	1012	1076
55°	1264	1109	850	732	693	1129
65°	754	668	470	408	403	746
75°	283	259	215	205	225	321
85°	94	103	92	84	76	102
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	873.9	873.9	873.9	873.9	873.9
2.5°	875.5	876.6	873.9	874.5	876.1
5°	877.1	878.2	876.1	877.7	880.9
7.5°	878.2	880.3	880.3	884.0	888.3
10°	880.9	883.0	885.6	893.1	898.4
12.5°	883.0	886.7	893.1	905.3	911.2
15°	886.7	892.6	903.7	920.7	929.2
17.5°	891.5	900.0	915.9	938.3	948.4
20°	898.4	909.6	931.9	958.5	970.7
22.5°	907.4	922.3	951.0	982.4	995.7
25°	920.7	939.9	976.0	1010.6	1023.3
27.5°	940.9	964.9	1006.3	1040.9	1050.4
30°	970.7	1000.5	1045.1	1069.0	1074.4
32.5°	1014.8	1053.1	1088.7	1096.7	1097.8
35°	1076.5	1123.3	1137.6	1119.0	1108.9
37.5°	1152.0	1204.1	1182.8	1127.5	1109.4
40°	1232.2	1274.8	1206.2	1120.6	1096.2
42.5°	1317.3	1315.2	1190.2	1090.3	1063.7
45°	1400.8	1314.6	1137.6	1038.2	1011.6
47.5°	1470.9	1274.8	1072.2	973.9	942.5
50°	1476.8	1222.7	1004.2	895.7	863.8
52.5°	1391.7	1171.1	932.4	814.9	778.3
55°	1264.1	1108.9	849.5	732.0	693.2
57.5°	1143.5	1027.6	759.1	646.4	608.1
60°	1023.9	922.9	664.5	563.5	532.1
62.5°	891.5	801.1	567.7	481.1	464.6
65°	753.8	667.7	470.5	407.7	403.0
67.5°	620.4	541.2	377.4	338.6	344.5
70°	488.0	427.4	299.3	290.3	299.3
72.5°	371.1	337.0	243.5	245.6	260.5
75°	283.3	259.4	214.8	204.7	224.9
77.5°	227.0	211.6	190.3	175.4	190.3
80°	186.6	182.9	166.4	148.8	153.6
82.5°	140.9	143.5	130.8	121.7	115.9
85°	94.1	102.6	92.5	84.5	75.5
87.5°	47.3	57.4	48.9	43.6	38.8
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	19.3	21.1	19.7	21.4	21.7	15.9	17.6	16.2	17.9	18.2
	3H	20.6	22.2	21.0	22.5	22.9	17.2	18.7	17.5	19.1	19.4
	4H	21.0	22.4	21.4	22.8	23.2	17.7	19.2	18.1	19.6	19.9
	6H	21.3	22.6	21.7	23.0	23.4	18.3	19.6	18.7	20.0	20.4
	8H	21.4	22.7	21.8	23.1	23.5	18.5	19.8	18.9	20.2	20.6
	12H	21.5	22.8	21.9	23.1	23.6	18.7	19.9	19.1	20.3	20.7
4H	2H	19.5	21.0	19.9	21.3	21.7	16.5	18.0	16.9	18.4	18.7
	3H	21.0	22.2	21.4	22.6	23.0	18.0	19.2	18.4	19.6	20.0
	4H	21.4	22.5	21.9	23.0	23.4	18.7	19.8	19.1	20.2	20.6
	6H	21.9	22.9	22.3	23.3	23.8	19.3	20.3	19.8	20.8	21.2
	8H	22.1	23.0	22.5	23.4	23.9	19.6	20.6	20.1	21.0	21.5
	12H	22.3	23.1	22.7	23.6	24.0	19.9	20.7	20.4	21.2	21.7
8H	4H	21.5	22.5	22.0	22.9	23.4	19.0	19.9	19.5	20.4	20.8
	6H	22.1	22.9	22.6	23.4	23.8	19.9	20.6	20.3	21.1	21.6
	8H	22.4	23.1	22.9	23.6	24.1	20.3	20.9	20.8	21.4	21.9
	12H	22.7	23.3	23.2	23.8	24.4	20.6	21.2	21.1	21.7	22.3
12H	4H	21.6	22.4	22.0	22.9	23.3	19.1	19.9	19.6	20.4	20.8
	6H	22.2	22.9	22.7	23.3	23.9	20.0	20.7	20.5	21.1	21.7
	8H	22.5	23.1	23.0	23.6	24.2	20.5	21.1	21.0	21.6	22.1









(END OF REPORT)