

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: P1584094

Luminaire Tested: 14CGSB-35-A125-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584094
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-35-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

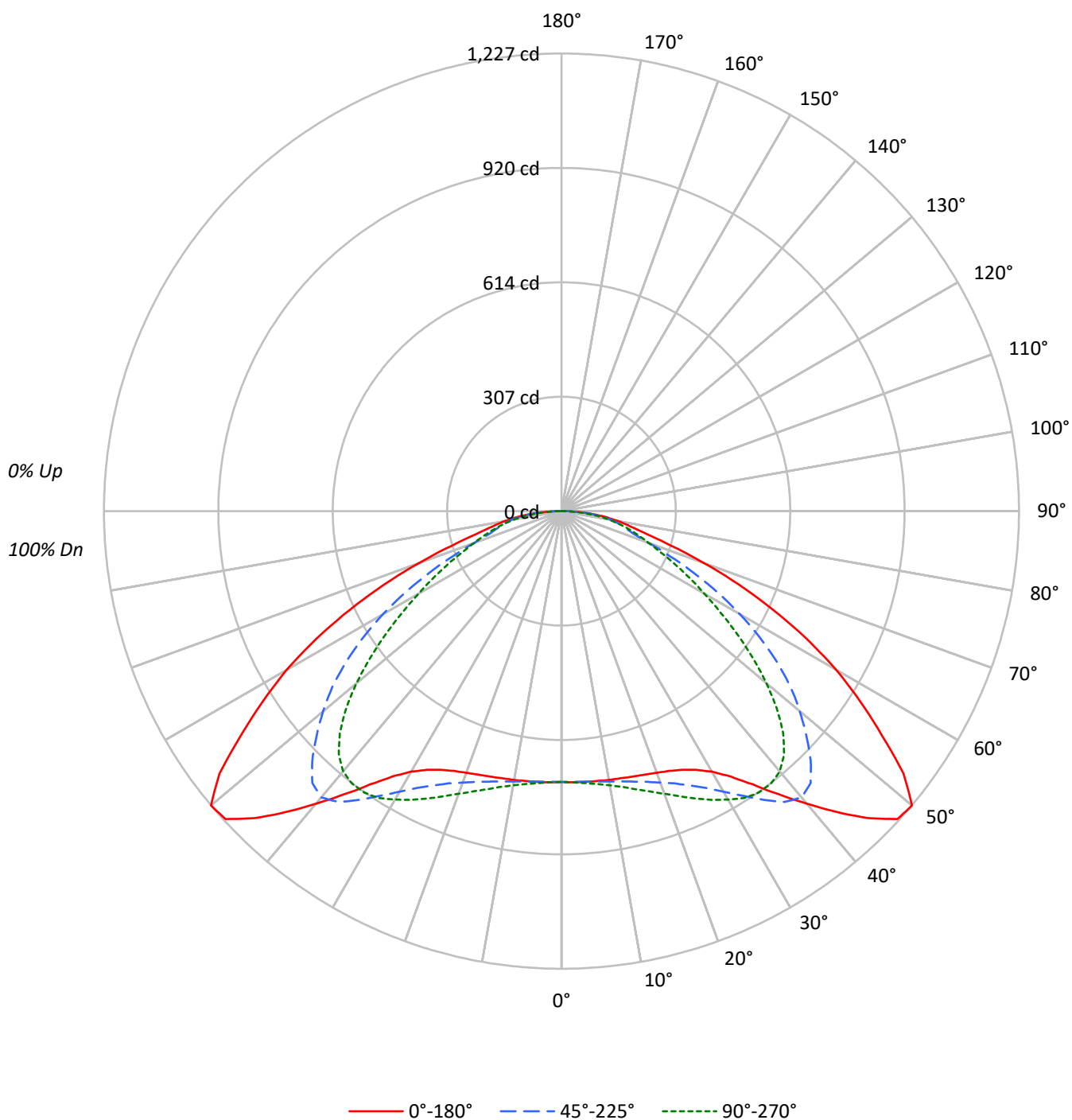
Lumens per Lamp: N/A
Luminaire Lumens: 3400.7 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 39
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°	1954	1954	1954
5°	1969	1966	1977
10°	2000	2011	2040
15°	2052	2092	2151
20°	2137	2217	2310
25°	2271	2408	2524
30°	2506	2698	2774
35°	2938	3105	3027
40°	3596	3520	3199
45°	4429	3597	3199
50°	5137	3493	3005
55°	4928	3311	2702
60°	4578	2971	2379
65°	3988	2489	2132
70°	3190	1957	1957
75°	2447	1855	1942
80°	2402	2142	1977
85°	2414	2374	1936

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 5137 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	2.1
10°-20°	214.3	6.3
20°-30°	377.3	11.1
30°-40°	584.4	17.2
40°-50°	744.5	21.9
50°-60°	677.4	19.9
60°-70°	439.3	12.9
70°-80°	213.7	6.3
80°-90°	80.0	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°	661.5	19.5
0°-40°	1245.9	36.6
0°-60°	2667.7	78.4
0°-90°	3400.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3400.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	726	726	726	726	726	
5°	729	730	728	729	732	70
15°	737	742	751	765	772	209
25°	765	781	811	840	850	357
35°	894	933	945	930	921	570
45°	1164	1092	945	863	840	894
55°	1050	921	706	608	576	938
65°	626	555	391	339	335	620
75°	235	216	178	170	187	267
85°	78	85	77	70	63	85
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	726.1	726.1	726.1	726.1	726.1
2.5°	727.4	728.3	726.1	726.5	727.9
5°	728.8	729.6	727.9	729.2	731.8
7.5°	729.6	731.4	731.4	734.5	738.0
10°	731.8	733.6	735.8	742.0	746.4
12.5°	733.6	736.7	742.0	752.2	757.0
15°	736.7	741.6	750.8	765.0	772.0
17.5°	740.7	747.7	761.0	779.5	787.9
20°	746.4	755.7	774.2	796.3	806.5
22.5°	753.9	766.3	790.1	816.2	827.2
25°	765.0	780.9	810.9	839.6	850.2
27.5°	781.8	801.6	836.1	864.8	872.7
30°	806.5	831.2	868.3	888.2	892.6
32.5°	843.1	874.9	904.5	911.2	912.0
35°	894.4	933.2	945.2	929.7	921.3
37.5°	957.1	1000.4	982.7	936.8	921.8
40°	1023.8	1059.1	1002.1	931.0	910.7
42.5°	1094.5	1092.7	988.9	905.9	883.8
45°	1163.8	1092.2	945.2	862.6	840.5
47.5°	1222.1	1059.1	890.8	809.1	783.1
50°	1227.0	1015.8	834.3	744.2	717.7
52.5°	1156.3	973.0	774.7	677.1	646.6
55°	1050.3	921.3	705.8	608.2	575.9
57.5°	950.0	853.7	630.7	537.1	505.3
60°	850.7	766.7	552.1	468.2	442.1
62.5°	740.7	665.6	471.7	399.7	386.0
65°	626.3	554.7	390.9	338.8	334.8
67.5°	515.4	449.6	313.6	281.3	286.2
70°	405.5	355.1	248.7	241.2	248.7
72.5°	308.3	280.0	202.3	204.1	216.4
75°	235.4	215.5	178.4	170.0	186.8
77.5°	188.6	175.8	158.1	145.8	158.1
80°	155.0	151.9	138.2	123.7	127.6
82.5°	117.0	119.3	108.7	101.1	96.3
85°	78.2	85.2	76.9	70.2	62.7
87.5°	39.3	47.7	40.6	36.2	32.2
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	18.7	20.4	19.0	20.7	21.0	15.2	17.0	15.6	17.3	17.6
	3H	20.0	21.5	20.3	21.9	22.2	16.5	18.1	16.9	18.4	18.8
	4H	20.3	21.8	20.7	22.1	22.5	17.1	18.6	17.5	18.9	19.3
	6H	20.6	22.0	21.0	22.4	22.7	17.6	19.0	18.0	19.4	19.8
	8H	20.8	22.1	21.2	22.4	22.8	17.9	19.2	18.3	19.6	19.9
	12H	20.9	22.1	21.3	22.5	22.9	18.0	19.3	18.5	19.7	20.1
4H	2H	18.8	20.3	19.2	20.7	21.0	15.9	17.4	16.3	17.7	18.1
	3H	20.3	21.5	20.7	21.9	22.3	17.3	18.6	17.8	19.0	19.4
	4H	20.8	21.9	21.2	22.3	22.7	18.0	19.1	18.4	19.5	20.0
	6H	21.2	22.2	21.7	22.7	23.1	18.7	19.7	19.2	20.1	20.6
	8H	21.4	22.4	21.9	22.8	23.3	19.0	19.9	19.5	20.4	20.8
	12H	21.6	22.4	22.1	22.9	23.4	19.3	20.1	19.7	20.6	21.0
8H	4H	20.9	21.8	21.3	22.2	22.7	18.4	19.3	18.8	19.7	20.2
	6H	21.5	22.2	22.0	22.7	23.2	19.2	20.0	19.7	20.5	20.9
	8H	21.8	22.5	22.3	23.0	23.4	19.6	20.3	20.1	20.8	21.3
	12H	22.1	22.7	22.6	23.2	23.7	20.0	20.6	20.5	21.1	21.6
12H	4H	20.9	21.7	21.4	22.2	22.7	18.4	19.3	18.9	19.7	20.2
	6H	21.5	22.2	22.0	22.7	23.2	19.3	20.0	19.9	20.5	21.0
	8H	21.9	22.5	22.4	23.0	23.5	19.8	20.4	20.3	20.9	21.5















(END OF REPORT)