

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: P1527331

Luminaire Tested: 24CGSB-35-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527331
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-35-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

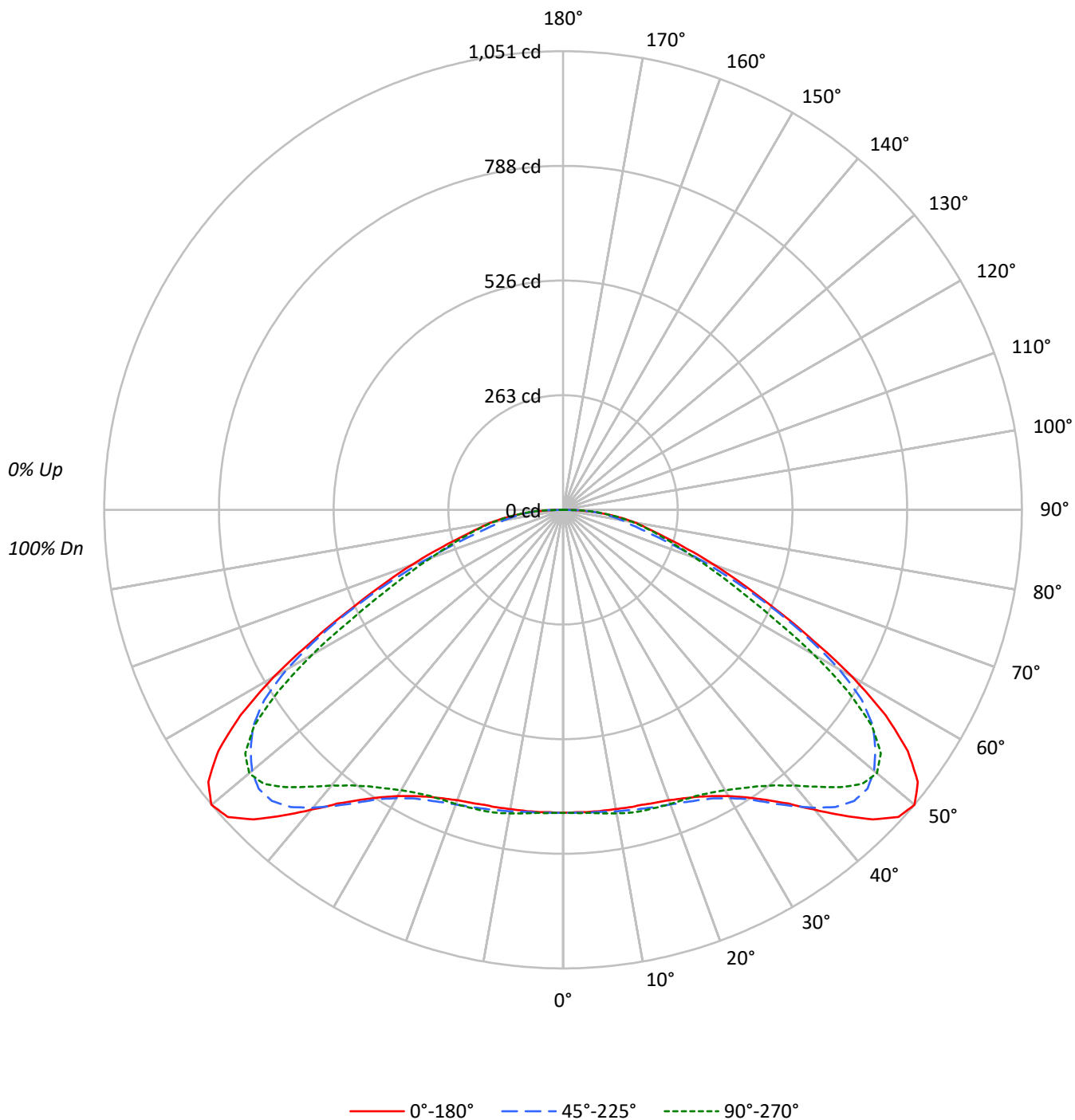
Lumens per Lamp: N/A
Luminaire Lumens: 3465.7 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27.5
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	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°	934	934	934
5°	939	940	942
10°	951	958	965
15°	975	987	994
20°	1014	1028	1027
25°	1077	1090	1074
30°	1177	1185	1152
35°	1333	1344	1271
40°	1576	1565	1448
45°	1909	1795	1710
50°	2201	1947	1964
55°	2262	2034	2027
60°	2056	1965	1784
65°	1700	1670	1456
70°	1452	1308	1265
75°	1257	1042	1198
80°	1302	1055	1260
85°	1315	1269	1399

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2264 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	1.9
10°-20°	201.0	5.8
20°-30°	339.4	9.8
30°-40°	511.0	14.7
40°-50°	726.6	21.0
50°-60°	779.8	22.5
60°-70°	508.1	14.7
70°-80°	244.3	7.0
80°-90°	88.9	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°	607.0	17.5
0°-40°	1118.0	32.3
0°-60°	2624.3	75.7
0°-90°	3465.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3465.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	694	694	694	694	694	
5°	695	696	696	698	697	66
15°	700	703	709	713	714	199
25°	726	732	734	727	723	338
35°	811	827	818	791	774	515
45°	1003	979	943	919	899	770
55°	964	940	867	842	864	844
65°	534	530	524	468	457	540
75°	242	229	200	228	230	266
85°	85	80	82	85	91	93
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	694.3	694.3	694.3	694.3	694.3
2.5°	693.7	694.3	694.9	695.5	695.5
5°	694.9	695.5	696.1	698.5	697.3
7.5°	695.5	696.1	697.9	701.5	701.5
10°	696.1	697.9	701.5	705.1	706.3
12.5°	698.5	700.3	705.1	709.9	711.1
15°	699.7	703.3	708.7	712.9	713.5
17.5°	703.9	707.5	713.5	715.3	715.3
20°	708.1	712.9	718.3	718.3	717.1
22.5°	715.9	721.3	725.5	721.9	719.5
25°	725.5	732.1	733.9	727.3	723.1
27.5°	739.3	747.7	745.3	736.3	730.9
30°	757.3	768.1	762.7	749.5	741.7
32.5°	781.3	794.5	785.5	768.7	756.7
35°	811.3	826.9	818.5	790.9	773.5
37.5°	848.5	864.7	854.5	819.1	795.7
40°	897.1	905.5	891.1	852.7	824.5
42.5°	949.9	945.7	923.5	888.1	860.5
45°	1003.3	978.7	943.3	918.7	898.9
47.5°	1041.7	996.1	945.7	933.1	929.5
50°	1051.3	992.5	930.1	925.3	938.5
52.5°	1024.3	973.3	901.9	893.5	917.5
55°	964.3	939.7	867.1	841.9	864.1
57.5°	876.1	874.3	811.9	766.9	772.9
60°	763.9	771.1	730.3	666.7	663.1
62.5°	642.7	646.9	628.9	562.8	550.2
65°	534.0	529.8	524.4	468.0	457.2
67.5°	444.6	432.0	423.6	389.4	384.0
70°	369.0	349.2	332.4	327.0	321.6
72.5°	298.8	284.4	257.4	272.4	271.8
75°	241.8	228.6	200.4	228.0	230.4
77.5°	198.0	189.0	162.0	187.2	195.0
80°	168.0	149.4	136.2	152.4	162.6
82.5°	128.4	114.0	111.0	117.6	127.2
85°	85.2	79.8	82.2	84.6	90.6
87.5°	43.2	46.2	49.8	54.0	57.0
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	16.2	17.9	16.5	18.3	18.6	15.2	17.0	15.6	17.3	17.7
	3H	17.3	18.9	17.6	19.2	19.6	16.4	18.0	16.8	18.3	18.7
	4H	17.7	19.2	18.1	19.5	19.9	16.8	18.4	17.2	18.7	19.1
	6H	18.0	19.4	18.4	19.8	20.2	17.3	18.7	17.7	19.1	19.5
	8H	18.2	19.5	18.6	19.9	20.3	17.5	18.8	17.9	19.2	19.6
	12H	18.3	19.6	18.7	20.0	20.4	17.7	19.0	18.1	19.3	19.8
4H	2H	16.6	18.1	17.0	18.4	18.8	15.8	17.3	16.2	17.7	18.1
	3H	17.8	19.1	18.3	19.5	19.9	17.1	18.4	17.5	18.8	19.2
	4H	18.4	19.5	18.8	19.9	20.4	17.7	18.9	18.1	19.3	19.7
	6H	18.8	19.9	19.3	20.3	20.8	18.3	19.3	18.7	19.7	20.2
	8H	19.1	20.0	19.5	20.5	20.9	18.5	19.5	19.0	19.9	20.4
	12H	19.3	20.1	19.7	20.6	21.1	18.8	19.7	19.3	20.1	20.6
8H	4H	18.5	19.5	19.0	19.9	20.4	17.9	18.9	18.4	19.3	19.8
	6H	19.1	19.9	19.6	20.4	20.9	18.6	19.4	19.1	19.9	20.4
	8H	19.4	20.1	19.9	20.6	21.1	19.0	19.7	19.5	20.2	20.7
	12H	19.7	20.3	20.2	20.8	21.4	19.3	20.0	19.8	20.5	21.0
12H	4H	18.5	19.4	19.0	19.9	20.3	18.0	18.8	18.4	19.3	19.8
	6H	19.2	19.9	19.7	20.4	20.9	18.7	19.4	19.2	19.9	20.4
	8H	19.5	20.2	20.0	20.6	21.2	19.1	19.7	19.6	20.2	20.8















(END OF REPORT)