

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: P1584073

Luminaire Tested: 14CGSB-20-A125-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584073
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-20-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

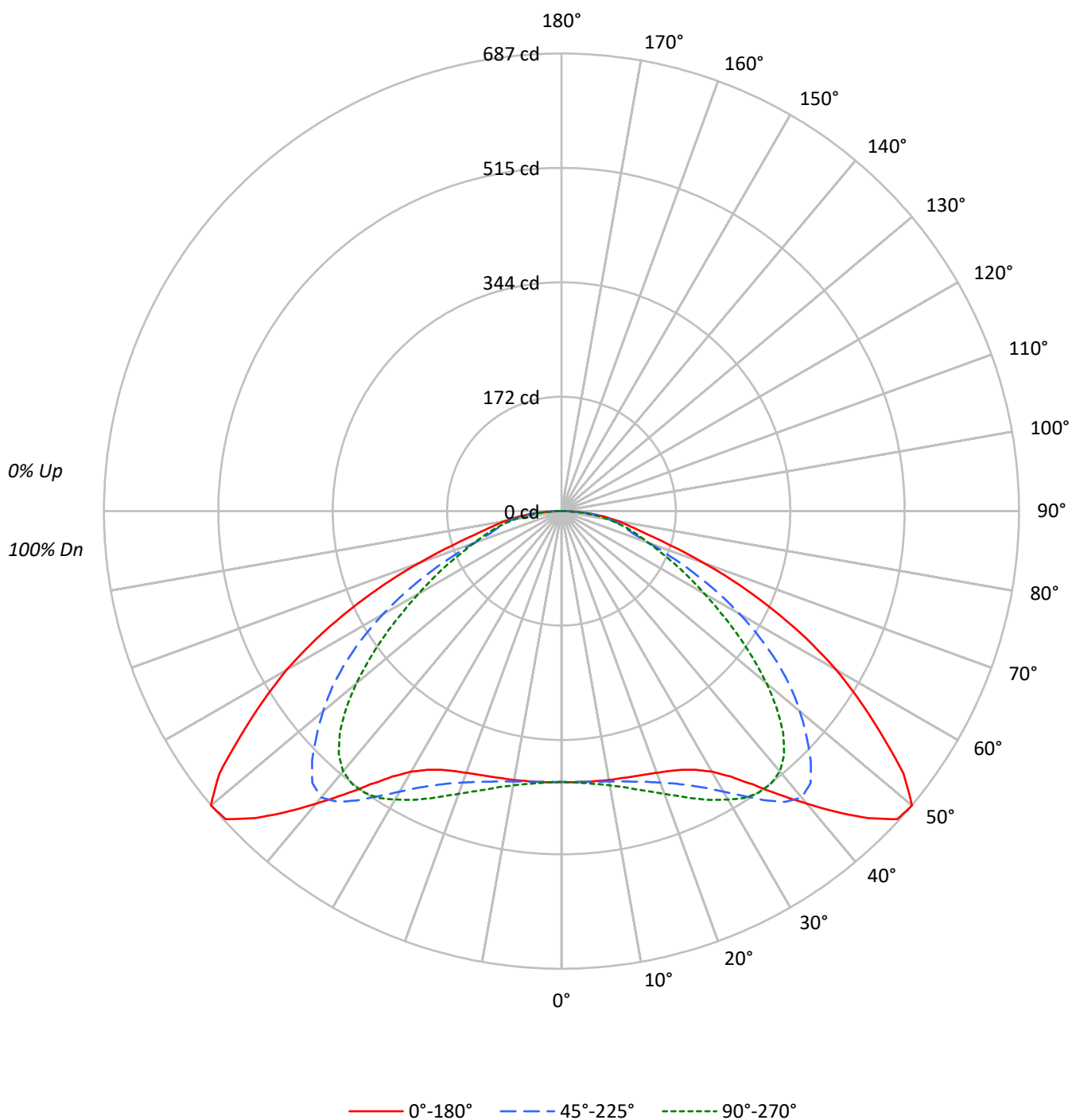
Lumens per Lamp: N/A
Luminaire Lumens: 1904.3 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.5
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.9
Total Harmonic Distortion (THDi): ≈20%
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77
3	89	77	69	62	86	76	68	61	73	66	60		70	64	59		67
4	80	68	58	51	78	66	58	51	64	56	50		61	55	50		59
5	73	60	50	43	71	59	50	43	56	49	43		54	48	42		53
6	67	53	44	37	65	52	43	37	50	42	36		49	42	36		47
7	62	48	38	32	60	47	38	32	45	37	32		44	37	31		42
8	57	43	34	28	56	42	34	28	41	33	28		40	33	28		39
9	53	39	31	25	52	39	30	25	37	30	24		36	29	24		35
10	50	36	28	22	48	35	27	22	34	27	22		33	27	22		32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1094	1094	1094
5°	1102	1101	1107
10°	1120	1126	1142
15°	1149	1171	1204
20°	1197	1242	1293
25°	1272	1348	1414
30°	1403	1511	1553
35°	1645	1739	1695
40°	2014	1971	1792
45°	2480	2014	1791
50°	2876	1956	1683
55°	2759	1854	1513
60°	2563	1664	1333
65°	2233	1394	1194
70°	1786	1095	1095
75°	1370	1039	1088
80°	1345	1199	1108
85°	1352	1328	1084

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 2876 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.1	2.1
10°-20°	120.0	6.3
20°-30°	211.3	11.1
30°-40°	327.2	17.2
40°-50°	416.9	21.9
50°-60°	379.3	19.9
60°-70°	246.0	12.9
70°-80°	119.6	6.3
80°-90°	44.8	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°	370.4	19.5
0°-40°	697.7	36.6
0°-60°	1493.9	78.4
0°-90°	1904.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1904.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	407	407	407	407	407	
5°	408	409	408	408	410	39
15°	412	415	420	428	432	117
25°	428	437	454	470	476	200
35°	501	523	529	521	516	319
45°	652	612	529	483	471	501
55°	588	516	395	341	322	525
65°	351	311	219	190	188	347
75°	132	121	100	95	105	149
85°	44	48	43	39	35	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	406.6	406.6	406.6	406.6	406.6
2.5°	407.3	407.8	406.6	406.8	407.6
5°	408.1	408.6	407.6	408.3	409.8
7.5°	408.6	409.6	409.6	411.3	413.3
10°	409.8	410.8	412.0	415.5	418.0
12.5°	410.8	412.5	415.5	421.2	423.9
15°	412.5	415.2	420.4	428.4	432.3
17.5°	414.8	418.7	426.1	436.5	441.2
20°	418.0	423.2	433.6	445.9	451.6
22.5°	422.2	429.1	442.5	457.0	463.2
25°	428.4	437.3	454.1	470.2	476.1
27.5°	437.8	448.9	468.2	484.3	488.7
30°	451.6	465.5	486.2	497.4	499.8
32.5°	472.1	489.9	506.5	510.2	510.7
35°	500.8	522.6	529.3	520.6	515.9
37.5°	535.9	560.2	550.3	524.6	516.2
40°	573.3	593.1	561.2	521.3	510.0
42.5°	612.9	611.9	553.7	507.3	494.9
45°	651.7	611.6	529.3	483.0	470.6
47.5°	684.3	593.1	498.8	453.1	438.5
50°	687.1	568.8	467.2	416.7	401.9
52.5°	647.5	544.8	433.8	379.1	362.1
55°	588.1	515.9	395.2	340.6	322.5
57.5°	532.0	478.1	353.2	300.7	282.9
60°	476.3	429.3	309.1	262.2	247.6
62.5°	414.8	372.7	264.1	223.8	216.2
65°	350.7	310.6	218.9	189.7	187.5
67.5°	288.6	251.8	175.6	157.5	160.3
70°	227.0	198.8	139.2	135.0	139.2
72.5°	172.6	156.8	113.3	114.3	121.2
75°	131.8	120.7	99.9	95.2	104.6
77.5°	105.6	98.4	88.5	81.6	88.5
80°	86.8	85.1	77.4	69.2	71.5
82.5°	65.5	66.8	60.8	56.6	53.9
85°	43.8	47.7	43.0	39.3	35.1
87.5°	22.0	26.7	22.8	20.3	18.1
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	16.7	18.4	17.0	18.7	19.0	13.2	14.9	13.6	15.3	15.6
	3H	18.0	19.5	18.3	19.8	20.2	14.5	16.1	14.9	16.4	16.8
	4H	18.3	19.8	18.7	20.1	20.5	15.1	16.5	15.5	16.9	17.3
	6H	18.6	20.0	19.0	20.3	20.7	15.6	17.0	16.0	17.3	17.7
	8H	18.7	20.0	19.2	20.4	20.8	15.8	17.1	16.3	17.5	17.9
	12H	18.8	20.1	19.3	20.5	20.9	16.0	17.3	16.4	17.7	18.1
4H	2H	16.8	18.3	17.2	18.7	19.0	13.9	15.4	14.3	15.7	16.1
	3H	18.3	19.5	18.7	19.9	20.3	15.3	16.6	15.7	17.0	17.4
	4H	18.8	19.9	19.2	20.3	20.7	16.0	17.1	16.4	17.5	18.0
	6H	19.2	20.2	19.7	20.6	21.1	16.7	17.7	17.1	18.1	18.6
	8H	19.4	20.3	19.9	20.8	21.2	17.0	17.9	17.4	18.3	18.8
	12H	19.6	20.4	20.1	20.9	21.4	17.2	18.1	17.7	18.5	19.0
8H	4H	18.9	19.8	19.3	20.2	20.7	16.3	17.3	16.8	17.7	18.2
	6H	19.5	20.2	19.9	20.7	21.2	17.2	18.0	17.7	18.4	18.9
	8H	19.8	20.4	20.3	20.9	21.4	17.6	18.3	18.1	18.8	19.3
	12H	20.0	20.7	20.5	21.1	21.7	18.0	18.6	18.5	19.1	19.6
12H	4H	18.9	19.7	19.4	20.2	20.7	16.4	17.2	16.9	17.7	18.2
	6H	19.5	20.2	20.0	20.7	21.2	17.3	18.0	17.8	18.5	19.0
	8H	19.9	20.5	20.4	21.0	21.5	17.8	18.4	18.3	18.9	19.5















(END OF REPORT)