

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: P1584077

Luminaire Tested: 14CGSB-20-A125-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584077
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

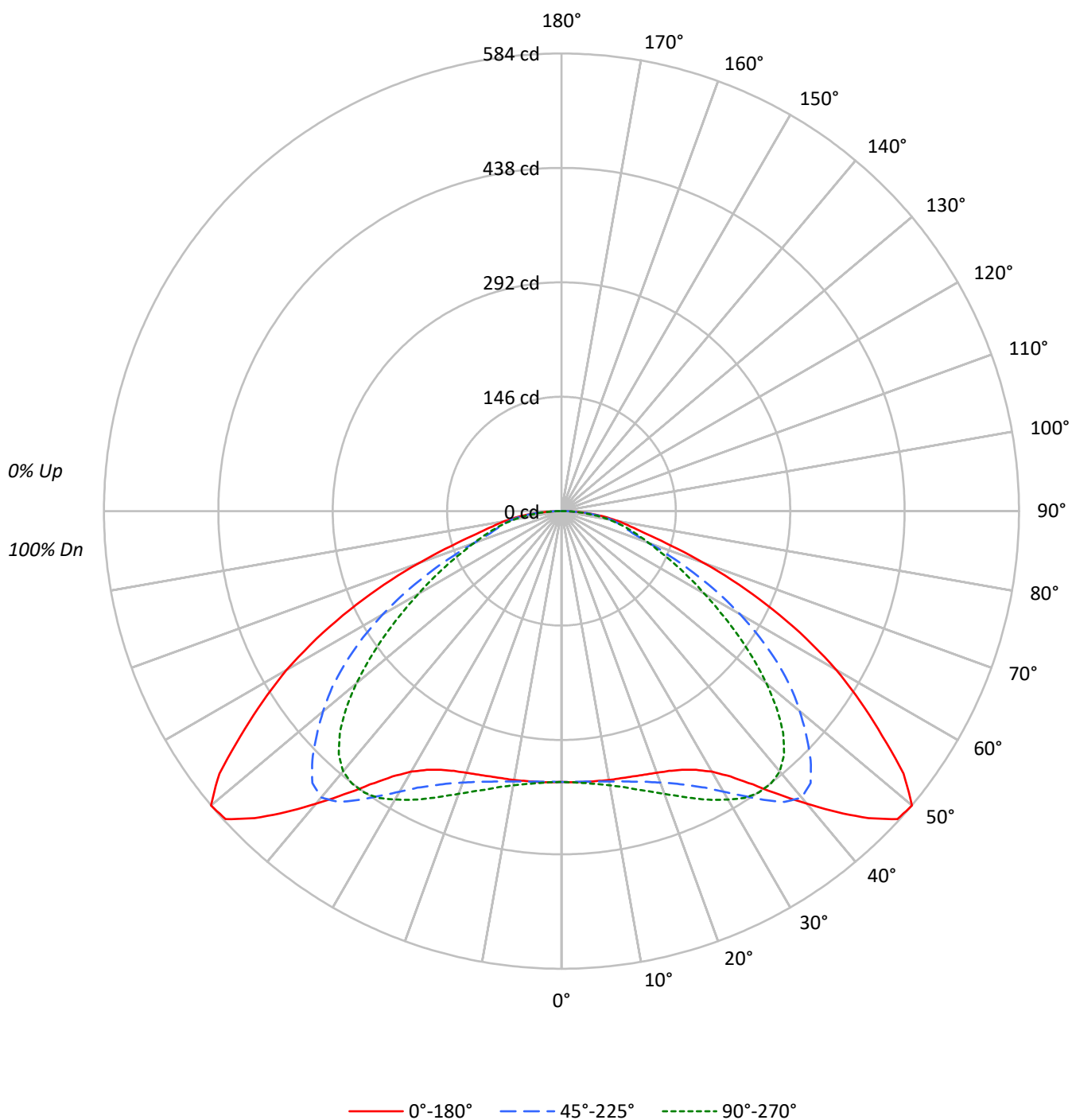
Lumens per Lamp: N/A
Luminaire Lumens: 1618.6 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.5
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor:
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°	930	930	930
5°	937	936	941
10°	952	957	971
15°	977	996	1024
20°	1017	1055	1099
25°	1081	1146	1202
30°	1193	1284	1320
35°	1398	1478	1441
40°	1712	1676	1523
45°	2108	1712	1523
50°	2445	1662	1430
55°	2345	1576	1286
60°	2179	1414	1132
65°	1898	1184	1014
70°	1519	932	932
75°	1164	883	924
80°	1144	1020	942
85°	1149	1130	923

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2445 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.3	2.1
10°-20°	102.0	6.3
20°-30°	179.6	11.1
30°-40°	278.2	17.2
40°-50°	354.4	21.9
50°-60°	322.4	19.9
60°-70°	209.1	12.9
70°-80°	101.7	6.3
80°-90°	38.1	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°	314.8	19.5
0°-40°	593.0	36.6
0°-60°	1269.8	78.4
0°-90°	1618.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1618.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	346	346	346	346	346	
5°	347	347	346	347	348	33
15°	351	353	357	364	368	100
25°	364	372	386	400	405	170
35°	426	444	450	442	438	271
45°	554	520	450	411	400	426
55°	500	438	336	290	274	446
65°	298	264	186	161	159	295
75°	112	103	85	81	89	127
85°	37	41	37	33	30	40
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	345.6	345.6	345.6	345.6	345.6
2.5°	346.2	346.7	345.6	345.8	346.4
5°	346.9	347.3	346.4	347.1	348.3
7.5°	347.3	348.1	348.1	349.6	351.3
10°	348.3	349.2	350.2	353.2	355.3
12.5°	349.2	350.6	353.2	358.0	360.3
15°	350.6	353.0	357.4	364.1	367.5
17.5°	352.5	355.9	362.2	371.0	375.0
20°	355.3	359.7	368.5	379.0	383.9
22.5°	358.8	364.7	376.1	388.5	393.7
25°	364.1	371.7	386.0	399.6	404.7
27.5°	372.1	381.6	397.9	411.6	415.4
30°	383.9	395.6	413.3	422.8	424.9
32.5°	401.3	416.4	430.5	433.7	434.1
35°	425.7	444.2	449.9	442.5	438.5
37.5°	455.5	476.2	467.7	445.9	438.7
40°	487.3	504.1	477.0	443.1	433.5
42.5°	520.9	520.1	470.7	431.2	420.7
45°	553.9	519.9	449.9	410.6	400.1
47.5°	581.7	504.1	424.0	385.1	372.7
50°	584.0	483.5	397.1	354.2	341.6
52.5°	550.4	463.1	368.7	322.3	307.8
55°	499.9	438.5	335.9	289.5	274.1
57.5°	452.2	406.4	300.2	255.6	240.5
60°	404.9	364.9	262.8	222.8	210.4
62.5°	352.5	316.8	224.5	190.3	183.7
65°	298.1	264.0	186.0	161.2	159.3
67.5°	245.3	214.0	149.3	133.9	136.2
70°	193.0	169.0	118.4	114.8	118.4
72.5°	146.7	133.3	96.3	97.1	103.0
75°	112.0	102.6	84.9	80.9	88.9
77.5°	89.8	83.7	75.3	69.4	75.3
80°	73.8	72.3	65.8	58.9	60.8
82.5°	55.7	56.8	51.7	48.1	45.8
85°	37.2	40.6	36.6	33.4	29.9
87.5°	18.7	22.7	19.3	17.2	15.3
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	16.1	17.8	16.5	18.1	18.5	12.7	14.4	13.0	14.7	15.0
	3H	17.4	19.0	17.8	19.3	19.6	13.9	15.5	14.3	15.8	16.2
	4H	17.7	19.2	18.1	19.6	19.9	14.5	16.0	14.9	16.3	16.7
	6H	18.0	19.4	18.5	19.8	20.2	15.1	16.4	15.5	16.8	17.2
	8H	18.2	19.5	18.6	19.9	20.3	15.3	16.6	15.7	17.0	17.4
	12H	18.3	19.5	18.7	19.9	20.3	15.5	16.7	15.9	17.1	17.5
4H	2H	16.3	17.7	16.7	18.1	18.5	13.3	14.8	13.7	15.1	15.5
	3H	17.7	19.0	18.1	19.4	19.8	14.8	16.0	15.2	16.4	16.8
	4H	18.2	19.3	18.6	19.7	20.2	15.4	16.6	15.9	17.0	17.4
	6H	18.7	19.6	19.1	20.1	20.5	16.1	17.1	16.6	17.5	18.0
	8H	18.9	19.8	19.3	20.2	20.7	16.4	17.3	16.9	17.8	18.2
	12H	19.0	19.9	19.5	20.3	20.8	16.7	17.5	17.1	18.0	18.4
8H	4H	18.3	19.2	18.8	19.7	20.1	15.8	16.7	16.2	17.1	17.6
	6H	18.9	19.7	19.4	20.1	20.6	16.6	17.4	17.1	17.9	18.4
	8H	19.2	19.9	19.7	20.4	20.9	17.0	17.7	17.5	18.2	18.7
	12H	19.5	20.1	20.0	20.6	21.1	17.4	18.0	17.9	18.5	19.1
12H	4H	18.3	19.2	18.8	19.6	20.1	15.9	16.7	16.3	17.2	17.6
	6H	18.9	19.6	19.5	20.1	20.6	16.8	17.5	17.3	17.9	18.4
	8H	19.3	19.9	19.8	20.4	20.9	17.2	17.8	17.7	18.3	18.9













(END OF REPORT)