

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: P1584087

Luminaire Tested: 14CGSB-30-A125-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584087
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-30-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

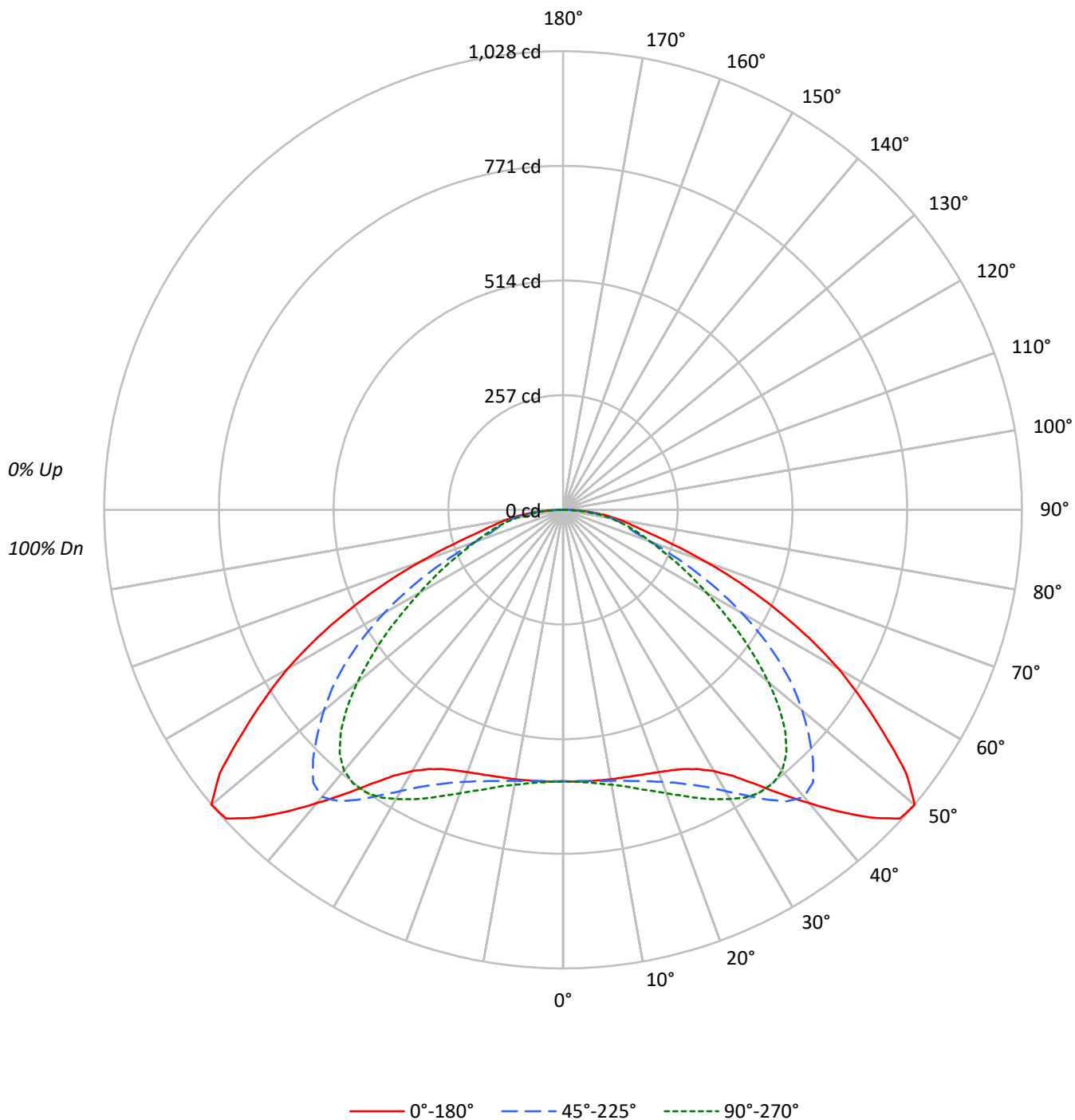
Lumens per Lamp: N/A
Luminaire Lumens: 2850.1 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.7
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	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°	1637	1637	1637
5°	1650	1648	1657
10°	1676	1685	1709
15°	1720	1753	1802
20°	1792	1858	1936
25°	1904	2018	2116
30°	2100	2261	2325
35°	2462	2602	2536
40°	3014	2950	2681
45°	3712	3014	2681
50°	4305	2927	2518
55°	4130	2775	2265
60°	3837	2490	1994
65°	3342	2086	1787
70°	2674	1640	1640
75°	2051	1554	1628
80°	2013	1796	1658
85°	2022	1988	1624

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 4305 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.6	2.1
10°-20°	179.6	6.3
20°-30°	316.2	11.1
30°-40°	489.8	17.2
40°-50°	624.0	21.9
50°-60°	567.7	19.9
60°-70°	368.1	12.9
70°-80°	179.1	6.3
80°-90°	67.1	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°	554.4	19.5
0°-40°	1044.2	36.6
0°-60°	2235.8	78.4
0°-90°	2850.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2850.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	608	608	608	608	608	
5°	611	612	610	611	613	58
15°	617	622	629	641	647	175
25°	641	654	680	704	712	299
35°	750	782	792	779	772	477
45°	975	915	792	723	704	749
55°	880	772	592	510	483	786
65°	525	465	328	284	281	520
75°	197	181	150	142	157	224
85°	66	71	64	59	53	71
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	608.5	608.5	608.5	608.5	608.5
2.5°	609.6	610.4	608.5	608.9	610.0
5°	610.8	611.5	610.0	611.1	613.3
7.5°	611.5	613.0	613.0	615.6	618.5
10°	613.3	614.8	616.7	621.9	625.6
12.5°	614.8	617.4	621.9	630.4	634.4
15°	617.4	621.5	629.3	641.1	647.0
17.5°	620.7	626.7	637.8	653.3	660.4
20°	625.6	633.3	648.9	667.4	675.9
22.5°	631.9	642.2	662.2	684.0	693.3
25°	641.1	654.4	679.6	703.7	712.5
27.5°	655.2	671.8	700.7	724.8	731.4
30°	675.9	696.6	727.7	744.4	748.1
32.5°	706.6	733.3	758.1	763.6	764.4
35°	749.6	782.1	792.1	779.2	772.1
37.5°	802.1	838.4	823.6	785.1	772.5
40°	858.0	887.6	839.9	780.3	763.3
42.5°	917.2	915.8	828.8	759.2	740.7
45°	975.4	915.4	792.1	722.9	704.4
47.5°	1024.2	887.6	746.6	678.1	656.3
50°	1028.3	851.4	699.2	623.7	601.5
52.5°	969.1	815.5	649.3	567.4	541.9
55°	880.2	772.1	591.5	509.7	482.7
57.5°	796.2	715.5	528.6	450.1	423.5
60°	712.9	642.6	462.7	392.4	370.5
62.5°	620.7	557.8	395.3	335.0	323.5
65°	524.9	464.9	327.6	283.9	280.6
67.5°	432.0	376.8	262.8	235.8	239.9
70°	339.8	297.6	208.4	202.1	208.4
72.5°	258.4	234.7	169.5	171.0	181.4
75°	197.3	180.6	149.5	142.5	156.6
77.5°	158.1	147.3	132.5	122.2	132.5
80°	129.9	127.3	115.9	103.6	107.0
82.5°	98.1	99.9	91.1	84.8	80.7
85°	65.5	71.4	64.4	58.9	52.6
87.5°	32.9	40.0	34.1	30.4	27.0
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	18.1	19.8	18.4	20.1	20.4	14.6	16.3	15.0	16.7	17.0
	3H	19.4	20.9	19.7	21.2	21.6	15.9	17.5	16.3	17.8	18.2
	4H	19.7	21.2	20.1	21.5	21.9	16.5	17.9	16.9	18.3	18.7
	6H	20.0	21.4	20.4	21.7	22.1	17.0	18.4	17.4	18.7	19.1
	8H	20.1	21.4	20.6	21.8	22.2	17.2	18.6	17.7	18.9	19.3
	12H	20.2	21.5	20.7	21.9	22.3	17.4	18.7	17.8	19.1	19.5
4H	2H	18.2	19.7	18.6	20.1	20.4	15.3	16.8	15.7	17.1	17.5
	3H	19.7	20.9	20.1	21.3	21.7	16.7	18.0	17.1	18.4	18.8
	4H	20.2	21.3	20.6	21.7	22.1	17.4	18.5	17.8	18.9	19.4
	6H	20.6	21.6	21.1	22.0	22.5	18.1	19.1	18.5	19.5	20.0
	8H	20.8	21.7	21.3	22.2	22.6	18.4	19.3	18.8	19.7	20.2
	12H	21.0	21.8	21.5	22.3	22.8	18.6	19.5	19.1	19.9	20.4
8H	4H	20.3	21.2	20.7	21.6	22.1	17.7	18.7	18.2	19.1	19.6
	6H	20.9	21.6	21.3	22.1	22.6	18.6	19.4	19.1	19.8	20.3
	8H	21.2	21.8	21.7	22.3	22.8	19.0	19.7	19.5	20.2	20.7
	12H	21.4	22.1	21.9	22.5	23.1	19.4	20.0	19.9	20.5	21.0
12H	4H	20.3	21.1	20.8	21.6	22.1	17.8	18.6	18.3	19.1	19.6
	6H	20.9	21.6	21.4	22.1	22.6	18.7	19.4	19.2	19.9	20.4
	8H	21.3	21.9	21.8	22.4	22.9	19.2	19.8	19.7	20.3	20.9















(END OF REPORT)