

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: P1584088

Luminaire Tested: 14CGSB-30-A125-L840

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584088
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

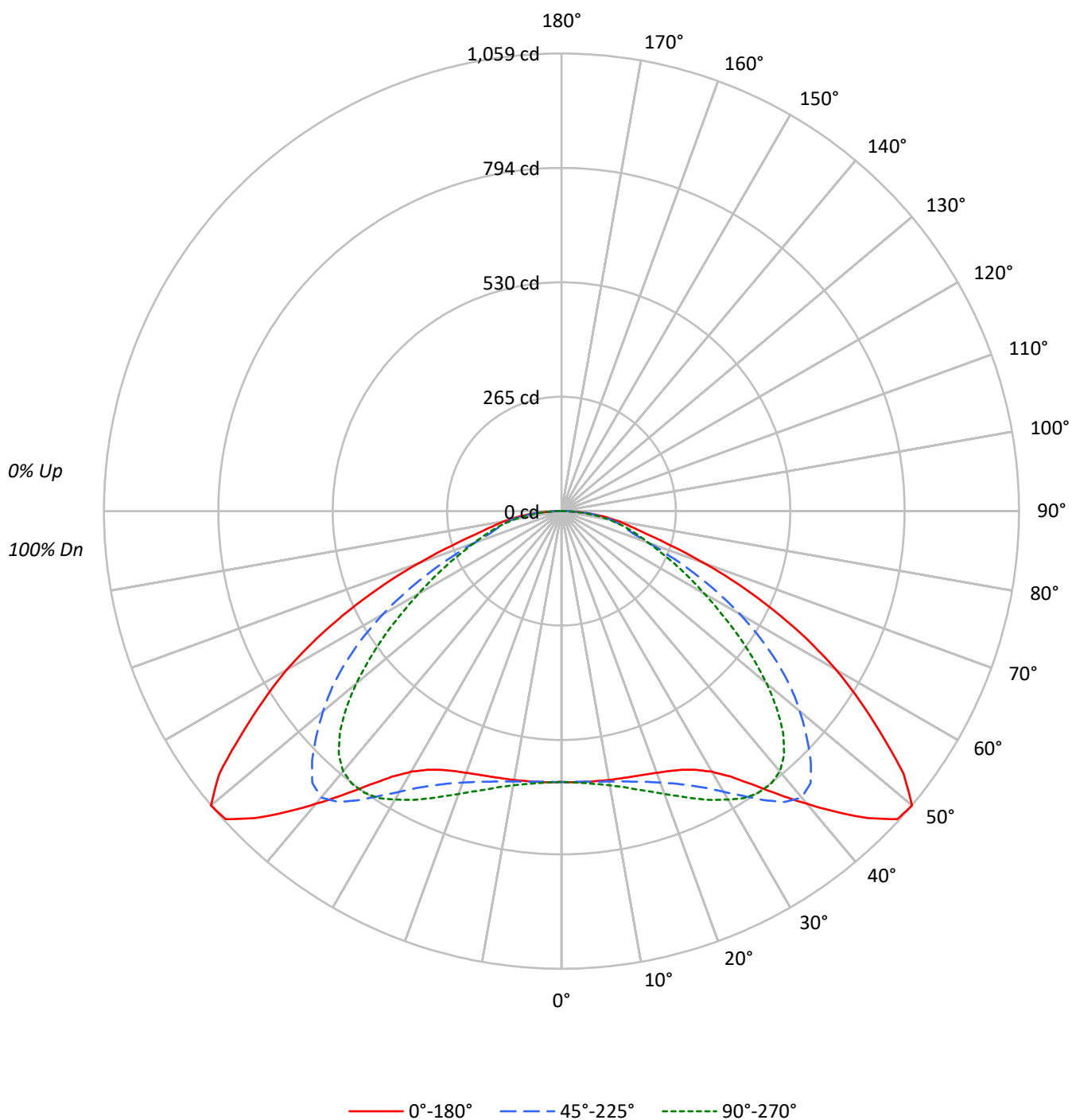
Lumens per Lamp: N/A
Luminaire Lumens: 2935.6 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.7
Input Voltage (V):
Input Current (Ain): 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°	1687	1687	1687
5°	1699	1697	1706
10°	1726	1736	1761
15°	1772	1806	1857
20°	1845	1914	1994
25°	1961	2078	2179
30°	2163	2329	2394
35°	2536	2680	2613
40°	3105	3039	2762
45°	3823	3105	2761
50°	4434	3015	2593
55°	4253	2859	2333
60°	3952	2565	2054
65°	3442	2148	1840
70°	2754	1688	1688
75°	2113	1601	1677
80°	2073	1849	1708
85°	2084	2047	1670

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 4434 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	2.1
10°-20°	185.0	6.3
20°-30°	325.7	11.1
30°-40°	504.5	17.2
40°-50°	642.7	21.9
50°-60°	584.7	19.9
60°-70°	379.2	12.9
70°-80°	184.4	6.3
80°-90°	69.1	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°	571.0	19.5
0°-40°	1075.5	36.6
0°-60°	2302.9	78.4
0°-90°	2935.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2935.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	627	627	627	627	627	
5°	629	630	628	630	632	60
15°	636	640	648	660	666	181
25°	660	674	700	725	734	308
35°	772	806	816	803	795	492
45°	1005	943	816	745	726	772
55°	907	795	609	525	497	809
65°	541	479	337	292	289	535
75°	203	186	154	147	161	230
85°	68	74	66	61	54	73
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	626.8	626.8	626.8	626.8	626.8
2.5°	627.9	628.7	626.8	627.2	628.3
5°	629.1	629.8	628.3	629.5	631.7
7.5°	629.8	631.4	631.4	634.0	637.1
10°	631.7	633.3	635.2	640.5	644.3
12.5°	633.3	635.9	640.5	649.3	653.5
15°	635.9	640.1	648.1	660.3	666.4
17.5°	639.4	645.5	656.9	672.9	680.2
20°	644.3	652.3	668.3	687.4	696.2
22.5°	650.8	661.5	682.1	704.6	714.1
25°	660.3	674.1	700.0	724.8	733.9
27.5°	674.8	692.0	721.7	746.5	753.4
30°	696.2	717.5	749.6	766.7	770.5
32.5°	727.8	755.3	780.8	786.5	787.3
35°	772.1	805.6	815.9	802.6	795.3
37.5°	826.2	863.6	848.3	808.7	795.7
40°	883.8	914.3	865.1	803.7	786.2
42.5°	944.8	943.2	853.6	782.0	762.9
45°	1004.6	942.9	815.9	744.6	725.5
47.5°	1054.9	914.3	769.0	698.5	676.0
50°	1059.1	876.9	720.2	642.4	619.5
52.5°	998.1	839.9	668.7	584.5	558.2
55°	906.6	795.3	609.3	525.0	497.2
57.5°	820.1	737.0	544.4	463.6	436.2
60°	734.3	661.9	476.6	404.1	381.6
62.5°	639.4	574.6	407.2	345.0	333.2
65°	540.6	478.9	337.4	292.4	289.0
67.5°	444.9	388.1	270.7	242.9	247.1
70°	350.0	306.5	214.6	208.2	214.6
72.5°	266.1	241.7	174.6	176.1	186.8
75°	203.2	186.1	154.0	146.8	161.3
77.5°	162.8	151.7	136.5	125.8	136.5
80°	133.8	131.2	119.3	106.8	110.2
82.5°	101.0	102.9	93.8	87.3	83.1
85°	67.5	73.6	66.3	60.6	54.1
87.5°	33.9	41.2	35.1	31.3	27.8
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	18.2	19.9	18.5	20.2	20.5	14.7	16.5	15.1	16.8	17.1
	3H	19.5	21.0	19.8	21.3	21.7	16.0	17.6	16.4	17.9	18.3
	4H	19.8	21.3	20.2	21.6	22.0	16.6	18.1	17.0	18.4	18.8
	6H	20.1	21.5	20.5	21.8	22.2	17.1	18.5	17.5	18.9	19.2
	8H	20.2	21.5	20.7	21.9	22.3	17.3	18.7	17.8	19.0	19.4
	12H	20.4	21.6	20.8	22.0	22.4	17.5	18.8	17.9	19.2	19.6
4H	2H	18.3	19.8	18.7	20.2	20.5	15.4	16.9	15.8	17.2	17.6
	3H	19.8	21.0	20.2	21.4	21.8	16.8	18.1	17.2	18.5	18.9
	4H	20.3	21.4	20.7	21.8	22.2	17.5	18.6	17.9	19.0	19.5
	6H	20.7	21.7	21.2	22.1	22.6	18.2	19.2	18.6	19.6	20.1
	8H	20.9	21.8	21.4	22.3	22.8	18.5	19.4	19.0	19.8	20.3
	12H	21.1	21.9	21.6	22.4	22.9	18.7	19.6	19.2	20.0	20.5
8H	4H	20.4	21.3	20.8	21.7	22.2	17.9	18.8	18.3	19.2	19.7
	6H	21.0	21.7	21.5	22.2	22.7	18.7	19.5	19.2	19.9	20.4
	8H	21.3	21.9	21.8	22.4	22.9	19.1	19.8	19.6	20.3	20.8
	12H	21.5	22.2	22.0	22.6	23.2	19.5	20.1	20.0	20.6	21.1
12H	4H	20.4	21.2	20.9	21.7	22.2	17.9	18.7	18.4	19.2	19.7
	6H	21.0	21.7	21.5	22.2	22.7	18.8	19.5	19.3	20.0	20.5
	8H	21.4	22.0	21.9	22.5	23.0	19.3	19.9	19.8	20.4	21.0















(END OF REPORT)