

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: P1584095

Luminaire Tested: 14CGSB-35-A125-L840

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584095
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-35-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

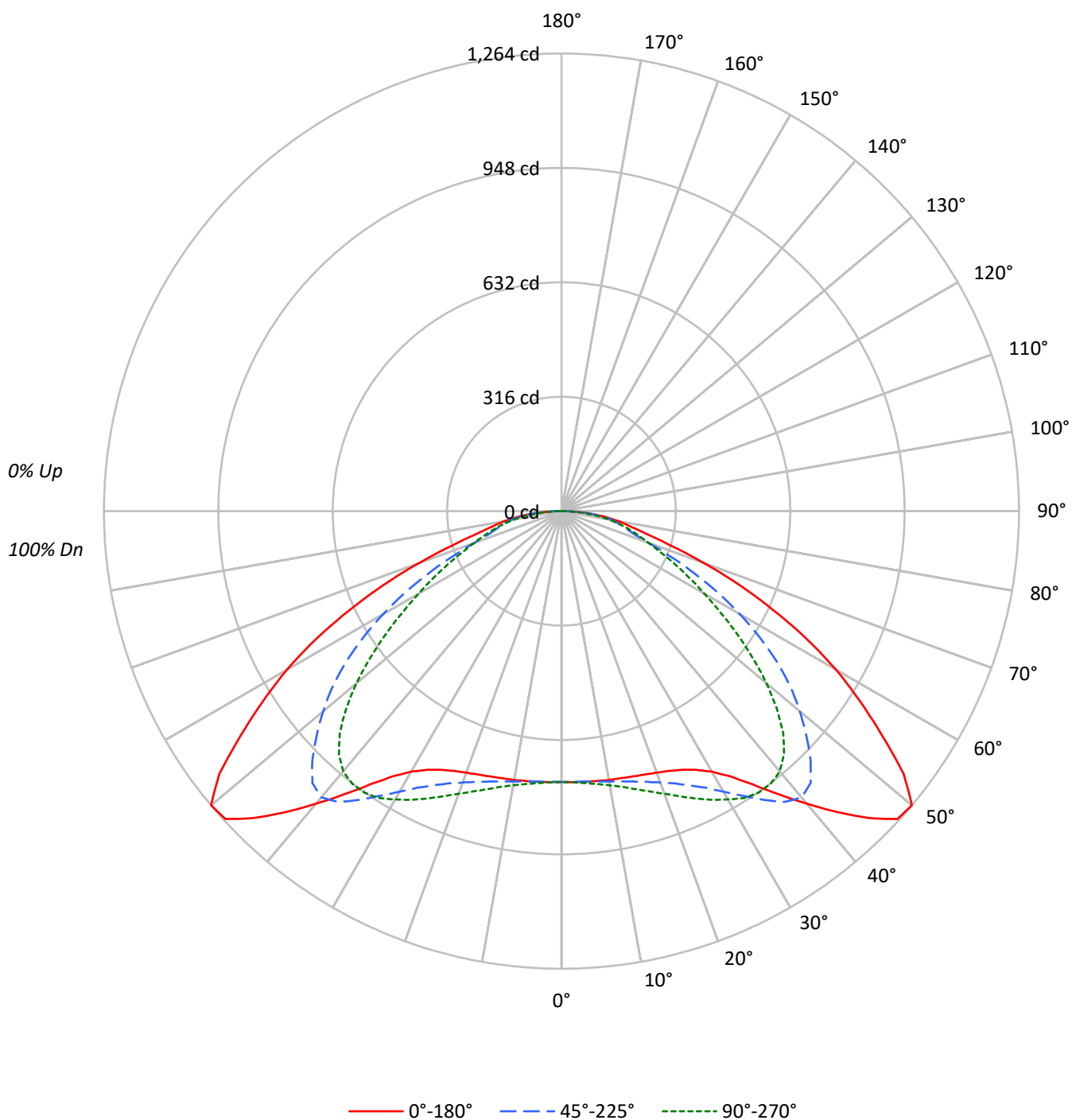
Lumens per Lamp: N/A
Luminaire Lumens: 3502.8 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 39
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°	2013	2013	2013
5°	2028	2025	2036
10°	2060	2071	2101
15°	2114	2155	2215
20°	2202	2284	2379
25°	2339	2480	2600
30°	2581	2779	2857
35°	3026	3198	3118
40°	3704	3626	3295
45°	4562	3705	3295
50°	5291	3597	3095
55°	5075	3411	2783
60°	4716	3060	2451
65°	4108	2564	2195
70°	3286	2015	2015
75°	2521	1911	2000
80°	2475	2207	2038
85°	2485	2445	1995

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5291 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	2.1
10°-20°	220.8	6.3
20°-30°	388.6	11.1
30°-40°	601.9	17.2
40°-50°	766.8	21.9
50°-60°	697.7	19.9
60°-70°	452.5	12.9
70°-80°	220.1	6.3
80°-90°	82.4	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°	681.3	19.5
0°-40°	1283.3	36.6
0°-60°	2747.8	78.4
0°-90°	3502.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3502.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	748	748	748	748	748	
5°	751	752	750	751	754	72
15°	759	764	773	788	795	216
25°	788	804	835	865	876	368
35°	921	961	974	958	949	587
45°	1199	1125	974	888	866	921
55°	1082	949	727	626	593	966
65°	645	571	403	349	345	639
75°	242	222	184	175	192	275
85°	80	88	79	72	65	87
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	747.9	747.9	747.9	747.9	747.9
2.5°	749.2	750.2	747.9	748.3	749.7
5°	750.6	751.5	749.7	751.1	753.8
7.5°	751.5	753.3	753.3	756.5	760.2
10°	753.8	755.6	757.9	764.3	768.8
12.5°	755.6	758.8	764.3	774.7	779.7
15°	758.8	763.8	773.4	787.9	795.2
17.5°	762.9	770.2	783.8	802.9	811.6
20°	768.8	778.4	797.5	820.2	830.7
22.5°	776.5	789.3	813.8	840.7	852.1
25°	787.9	804.3	835.2	864.8	875.7
27.5°	805.2	825.7	861.2	890.7	898.9
30°	830.7	856.2	894.4	914.8	919.4
32.5°	868.4	901.2	931.7	938.5	939.4
35°	921.2	961.2	973.5	957.6	949.0
37.5°	985.8	1030.4	1012.2	964.9	949.4
40°	1054.5	1090.9	1032.2	959.0	938.0
42.5°	1127.3	1125.5	1018.6	933.0	910.3
45°	1198.7	1125.0	973.5	888.5	865.7
47.5°	1258.8	1090.9	917.6	833.4	806.6
50°	1263.8	1046.3	859.3	766.5	739.2
52.5°	1191.0	1002.2	797.9	697.4	666.0
55°	1081.8	949.0	727.0	626.4	593.2
57.5°	978.5	879.4	649.6	553.2	520.4
60°	876.2	789.7	568.6	482.2	455.4
62.5°	762.9	685.6	485.9	411.7	397.6
65°	645.1	571.4	402.6	348.9	344.8
67.5°	530.9	463.1	323.0	289.8	294.8
70°	417.6	365.8	256.1	248.4	256.1
72.5°	317.5	288.4	208.4	210.2	222.9
75°	242.5	222.0	183.8	175.1	192.4
77.5°	194.2	181.1	162.9	150.1	162.9
80°	159.7	156.5	142.4	127.4	131.5
82.5°	120.6	122.8	111.9	104.2	99.2
85°	80.5	87.8	79.2	72.3	64.6
87.5°	40.5	49.1	41.9	37.3	33.2
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	18.8	20.5	19.2	20.8	21.1	15.3	17.1	15.7	17.4	17.7
	3H	20.1	21.6	20.4	22.0	22.3	16.6	18.2	17.0	18.5	18.9
	4H	20.4	21.9	20.8	22.2	22.6	17.2	18.7	17.6	19.0	19.4
	6H	20.7	22.1	21.1	22.5	22.8	17.7	19.1	18.1	19.5	19.9
	8H	20.9	22.2	21.3	22.6	22.9	18.0	19.3	18.4	19.7	20.1
	12H	21.0	22.2	21.4	22.6	23.0	18.1	19.4	18.6	19.8	20.2
4H	2H	19.0	20.4	19.3	20.8	21.1	16.0	17.5	16.4	17.8	18.2
	3H	20.4	21.6	20.8	22.0	22.4	17.5	18.7	17.9	19.1	19.5
	4H	20.9	22.0	21.3	22.4	22.8	18.1	19.2	18.6	19.6	20.1
	6H	21.3	22.3	21.8	22.8	23.2	18.8	19.8	19.3	20.2	20.7
	8H	21.5	22.5	22.0	22.9	23.4	19.1	20.0	19.6	20.5	20.9
	12H	21.7	22.6	22.2	23.0	23.5	19.4	20.2	19.8	20.7	21.1
8H	4H	21.0	21.9	21.5	22.4	22.8	18.5	19.4	18.9	19.8	20.3
	6H	21.6	22.3	22.1	22.8	23.3	19.3	20.1	19.8	20.6	21.0
	8H	21.9	22.6	22.4	23.1	23.5	19.7	20.4	20.2	20.9	21.4
	12H	22.2	22.8	22.7	23.3	23.8	20.1	20.7	20.6	21.2	21.7
12H	4H	21.0	21.8	21.5	22.3	22.8	18.5	19.4	19.0	19.8	20.3
	6H	21.6	22.3	22.1	22.8	23.3	19.4	20.1	20.0	20.6	21.1
	8H	22.0	22.6	22.5	23.1	23.6	19.9	20.5	20.4	21.0	21.6















(END OF REPORT)