

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: P1584099

Luminaire Tested: 14CGSB-35-A125-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584099
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

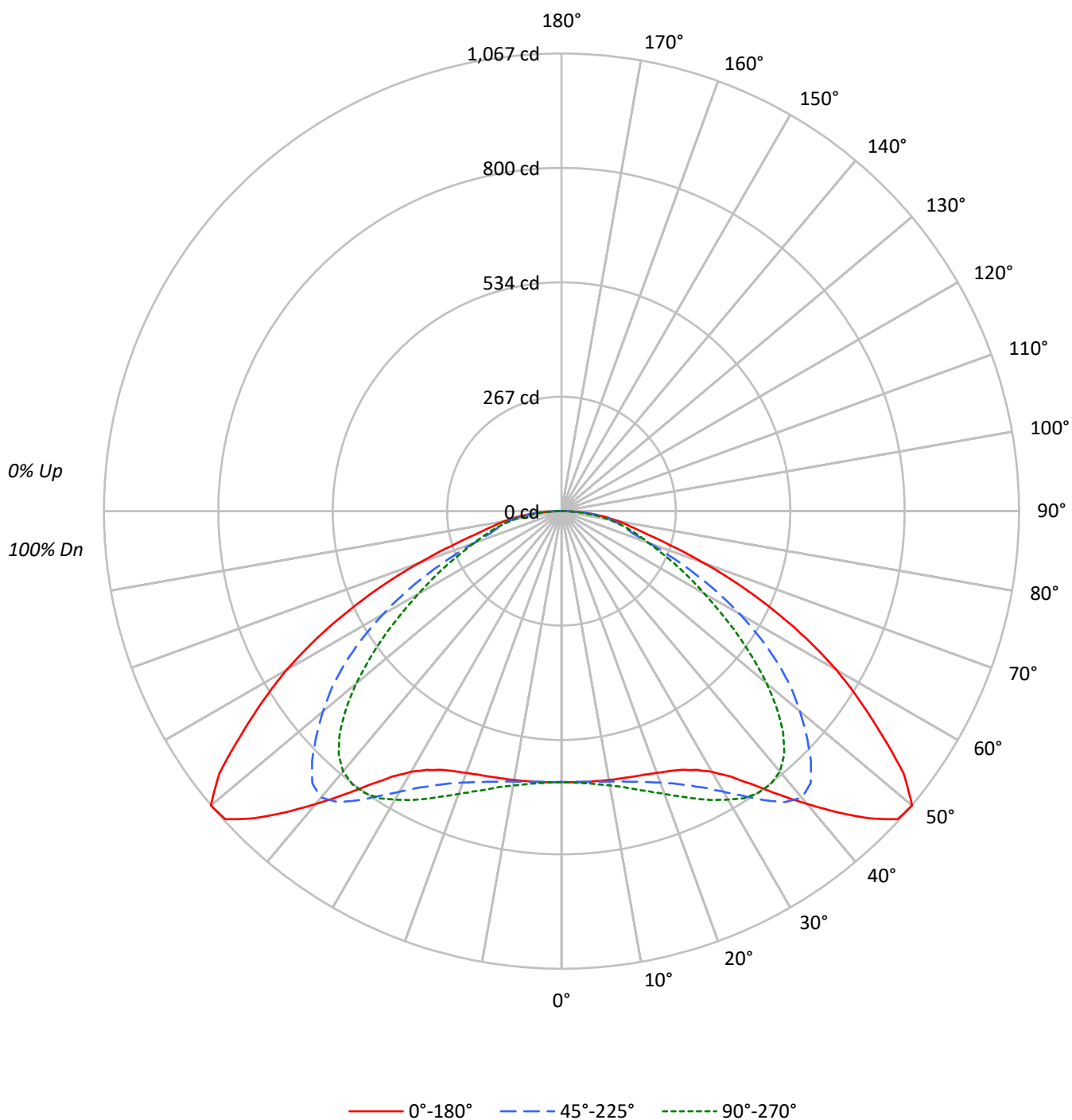
Lumens per Lamp: N/A
Luminaire Lumens: 2958.6 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	1700	1700	1700
5°	1713	1710	1720
10°	1740	1749	1774
15°	1785	1820	1871
20°	1860	1929	2009
25°	1976	2095	2196
30°	2180	2347	2413
35°	2556	2701	2633
40°	3129	3063	2783
45°	3853	3129	2783
50°	4469	3039	2614
55°	4287	2881	2351
60°	3983	2585	2070
65°	3470	2166	1855
70°	2775	1702	1702
75°	2129	1614	1690
80°	2091	1864	1720
85°	2100	2066	1686

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 4469 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	2.1
10°-20°	186.5	6.3
20°-30°	328.2	11.1
30°-40°	508.4	17.2
40°-50°	647.7	21.9
50°-60°	589.3	19.9
60°-70°	382.2	12.9
70°-80°	185.9	6.3
80°-90°	69.6	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°	575.5	19.5
0°-40°	1083.9	36.6
0°-60°	2320.9	78.4
0°-90°	2958.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2958.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	632	632	632	632	632	
5°	634	635	633	634	637	61
15°	641	645	653	666	672	182
25°	666	679	706	730	740	310
35°	778	812	822	809	802	496
45°	1012	950	822	750	731	778
55°	914	802	614	529	501	816
65°	545	483	340	295	291	540
75°	205	188	155	148	162	232
85°	68	74	67	61	55	74
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	631.7	631.7	631.7	631.7	631.7
2.5°	632.9	633.6	631.7	632.1	633.2
5°	634.0	634.8	633.2	634.4	636.7
7.5°	634.8	636.3	636.3	639.0	642.1
10°	636.7	638.2	640.2	645.5	649.4
12.5°	638.2	640.9	645.5	654.4	658.6
15°	640.9	645.2	653.2	665.5	671.7
17.5°	644.4	650.5	662.1	678.2	685.5
20°	649.4	657.5	673.6	692.8	701.6
22.5°	655.9	666.7	687.4	710.1	719.7
25°	665.5	679.4	705.5	730.5	739.7
27.5°	680.1	697.4	727.4	752.4	759.3
30°	701.6	723.2	755.4	772.7	776.6
32.5°	733.5	761.2	786.9	792.7	793.5
35°	778.1	811.9	822.3	808.8	801.5
37.5°	832.7	870.3	855.0	815.0	801.9
40°	890.7	921.4	871.9	810.0	792.3
42.5°	952.2	950.6	860.3	788.1	768.9
45°	1012.5	950.3	822.3	750.4	731.2
47.5°	1063.2	921.4	775.0	703.9	681.3
50°	1067.4	883.8	725.8	647.5	624.4
52.5°	1006.0	846.5	674.0	589.1	562.5
55°	913.7	801.5	614.0	529.1	501.1
57.5°	826.5	742.8	548.7	467.2	439.6
60°	740.1	667.1	480.3	407.3	384.6
62.5°	644.4	579.1	410.4	347.7	335.8
65°	544.9	482.6	340.1	294.7	291.3
67.5°	448.4	391.2	272.8	244.8	249.0
70°	352.7	308.9	216.3	209.8	216.3
72.5°	268.2	243.6	176.0	177.5	188.3
75°	204.8	187.5	155.2	147.9	162.5
77.5°	164.1	152.9	137.6	126.8	137.6
80°	134.9	132.2	120.3	107.6	111.0
82.5°	101.8	103.7	94.5	88.0	83.8
85°	68.0	74.2	66.9	61.1	54.6
87.5°	34.2	41.5	35.4	31.5	28.1
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	18.2	19.9	18.6	20.2	20.6	14.8	16.5	15.1	16.8	17.1
	3H	19.5	21.0	19.9	21.4	21.7	16.0	17.6	16.4	17.9	18.3
	4H	19.8	21.3	20.2	21.7	22.0	16.6	18.1	17.0	18.4	18.8
	6H	20.1	21.5	20.5	21.9	22.3	17.1	18.5	17.6	18.9	19.3
	8H	20.3	21.6	20.7	22.0	22.4	17.4	18.7	17.8	19.1	19.5
	12H	20.4	21.6	20.8	22.0	22.4	17.5	18.8	18.0	19.2	19.6
4H	2H	18.4	19.8	18.8	20.2	20.6	15.4	16.9	15.8	17.2	17.6
	3H	19.8	21.1	20.2	21.5	21.9	16.9	18.1	17.3	18.5	18.9
	4H	20.3	21.4	20.7	21.8	22.3	17.5	18.7	18.0	19.1	19.5
	6H	20.8	21.7	21.2	22.2	22.6	18.2	19.2	18.7	19.6	20.1
	8H	21.0	21.9	21.4	22.3	22.8	18.5	19.4	19.0	19.9	20.3
	12H	21.1	22.0	21.6	22.4	22.9	18.8	19.6	19.2	20.1	20.5
8H	4H	20.4	21.3	20.9	21.8	22.2	17.9	18.8	18.3	19.2	19.7
	6H	21.0	21.8	21.5	22.2	22.7	18.7	19.5	19.2	20.0	20.4
	8H	21.3	22.0	21.8	22.5	23.0	19.1	19.8	19.6	20.3	20.8
	12H	21.6	22.2	22.1	22.7	23.2	19.5	20.1	20.0	20.6	21.1
12H	4H	20.4	21.2	20.9	21.7	22.2	18.0	18.8	18.4	19.3	19.7
	6H	21.0	21.7	21.6	22.2	22.7	18.9	19.5	19.4	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)