

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: P1584098

Luminaire Tested: 14CGSB-35-A125-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584098
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

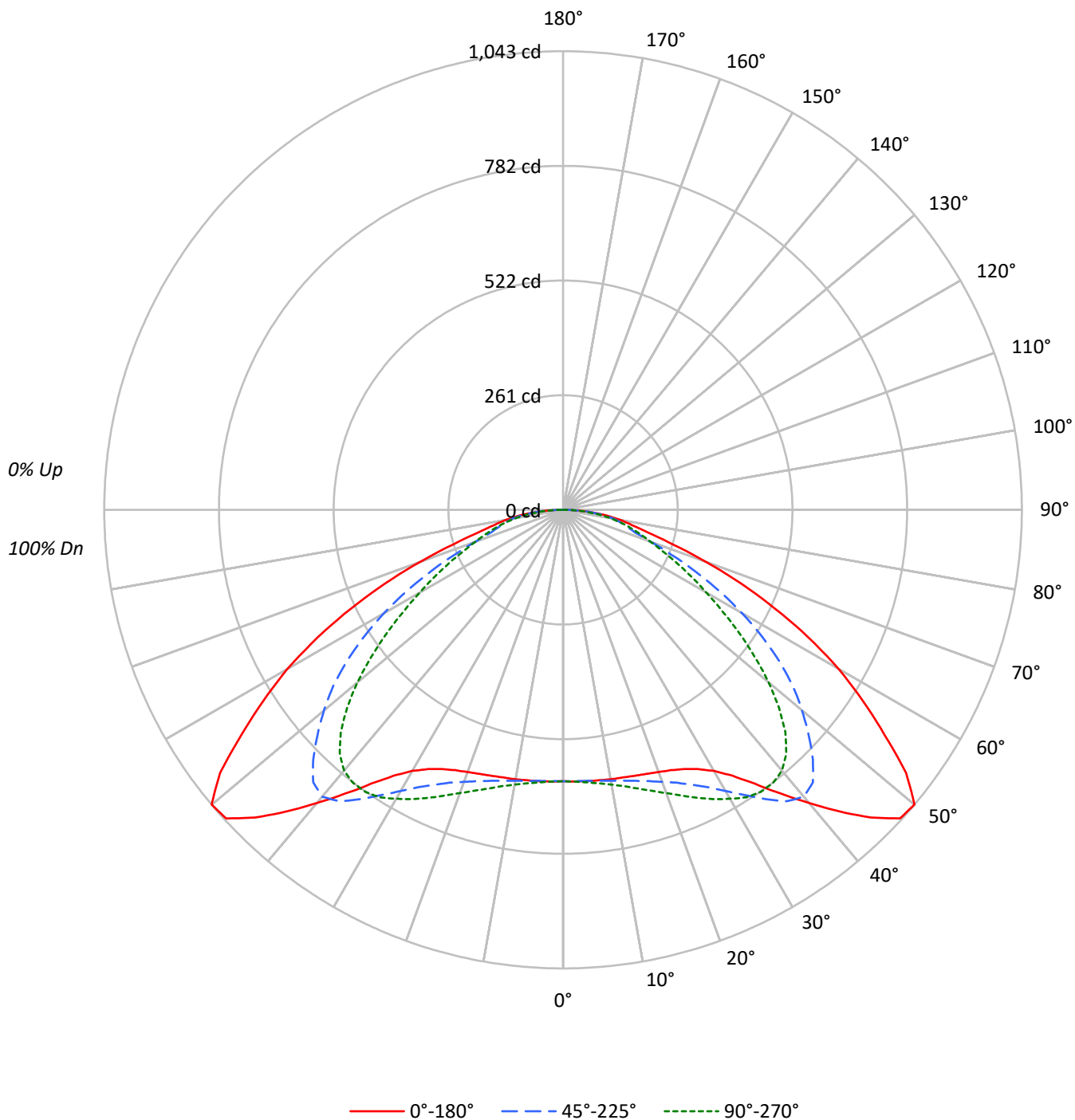
Lumens per Lamp: N/A
Luminaire Lumens: 2890.6 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	1661	1661	1661
5°	1673	1671	1680
10°	1700	1709	1734
15°	1745	1778	1828
20°	1817	1885	1963
25°	1931	2047	2146
30°	2130	2293	2357
35°	2497	2639	2573
40°	3057	2992	2719
45°	3765	3057	2719
50°	4366	2969	2554
55°	4188	2814	2297
60°	3892	2526	2023
65°	3389	2115	1812
70°	2711	1663	1663
75°	2080	1577	1651
80°	2042	1821	1681
85°	2050	2016	1646

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 4366 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	2.1
10°-20°	182.2	6.3
20°-30°	320.7	11.1
30°-40°	496.7	17.2
40°-50°	632.8	21.9
50°-60°	575.8	19.9
60°-70°	373.4	12.9
70°-80°	181.6	6.3
80°-90°	68.0	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°	562.3	19.5
0°-40°	1059.0	36.6
0°-60°	2267.6	78.4
0°-90°	2890.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2890.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	617	617	617	617	617	
5°	619	620	619	620	622	59
15°	626	630	638	650	656	178
25°	650	664	689	714	723	303
35°	760	793	803	790	783	484
45°	989	928	803	733	714	760
55°	893	783	600	517	490	797
65°	532	472	332	288	285	527
75°	200	183	152	144	159	227
85°	66	72	65	60	53	72
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	617.2	617.2	617.2	617.2	617.2
2.5°	618.3	619.1	617.2	617.6	618.7
5°	619.4	620.2	618.7	619.8	622.1
7.5°	620.2	621.7	621.7	624.3	627.3
10°	622.1	623.6	625.4	630.7	634.5
12.5°	623.6	626.2	630.7	639.3	643.5
15°	626.2	630.3	638.2	650.2	656.2
17.5°	629.6	635.6	646.8	662.6	669.7
20°	634.5	642.3	658.1	676.9	685.5
22.5°	640.8	651.3	671.6	693.8	703.2
25°	650.2	663.7	689.3	713.7	722.7
27.5°	664.5	681.4	710.7	735.1	741.8
30°	685.5	706.5	738.1	755.0	758.7
32.5°	716.7	743.7	768.9	774.5	775.2
35°	760.2	793.3	803.4	790.3	783.1
37.5°	813.5	850.3	835.3	796.3	783.5
40°	870.2	900.2	851.8	791.4	774.1
42.5°	930.3	928.8	840.6	770.0	751.2
45°	989.2	928.4	803.4	733.2	714.4
47.5°	1038.8	900.2	757.2	687.8	665.6
50°	1042.9	863.5	709.2	632.6	610.1
52.5°	982.8	827.0	658.5	575.5	549.6
55°	892.7	783.1	599.9	516.9	489.5
57.5°	807.5	725.7	536.1	456.5	429.5
60°	723.1	651.7	469.3	397.9	375.8
62.5°	629.6	565.8	400.9	339.8	328.1
65°	532.3	471.5	332.2	287.9	284.6
67.5°	438.1	382.2	266.5	239.1	243.3
70°	344.6	301.8	211.4	205.0	211.4
72.5°	262.0	238.0	171.9	173.4	184.0
75°	200.1	183.2	151.7	144.5	158.8
77.5°	160.3	149.4	134.4	123.9	134.4
80°	131.8	129.1	117.5	105.1	108.5
82.5°	99.5	101.4	92.4	86.0	81.8
85°	66.4	72.5	65.3	59.7	53.3
87.5°	33.4	40.5	34.5	30.8	27.4
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	18.5	20.2	20.5	14.7	16.4	15.0	16.7	17.0
	3H	19.4	21.0	19.8	21.3	21.7	16.0	17.5	16.3	17.8	18.2
	4H	19.8	21.2	20.2	21.6	22.0	16.5	18.0	16.9	18.3	18.7
	6H	20.1	21.4	20.5	21.8	22.2	17.1	18.4	17.5	18.8	19.2
	8H	20.2	21.5	20.6	21.9	22.3	17.3	18.6	17.7	19.0	19.4
	12H	20.3	21.5	20.7	21.9	22.4	17.5	18.7	17.9	19.1	19.5
4H	2H	18.3	19.8	18.7	20.1	20.5	15.3	16.8	15.7	17.2	17.5
	3H	19.7	21.0	20.2	21.4	21.8	16.8	18.0	17.2	18.4	18.8
	4H	20.2	21.3	20.7	21.7	22.2	17.5	18.6	17.9	19.0	19.4
	6H	20.7	21.7	21.1	22.1	22.5	18.1	19.1	18.6	19.6	20.0
	8H	20.9	21.8	21.3	22.2	22.7	18.4	19.4	18.9	19.8	20.3
	12H	21.1	21.9	21.5	22.4	22.8	18.7	19.5	19.2	20.0	20.5
8H	4H	20.3	21.2	20.8	21.7	22.1	17.8	18.7	18.3	19.2	19.6
	6H	20.9	21.7	21.4	22.2	22.6	18.6	19.4	19.1	19.9	20.4
	8H	21.2	21.9	21.7	22.4	22.9	19.0	19.7	19.6	20.2	20.7
	12H	21.5	22.1	22.0	22.6	23.1	19.4	20.0	19.9	20.5	21.1
12H	4H	20.3	21.2	20.8	21.6	22.1	17.9	18.7	18.3	19.2	19.6
	6H	21.0	21.6	21.5	22.1	22.6	18.8	19.5	19.3	19.9	20.5
	8H	21.3	21.9	21.8	22.4	23.0	19.2	19.9	19.7	20.3	20.9















(END OF REPORT)