

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: P1584149

Luminaire Tested: 14CGSB-25-F125-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584149
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P1527393)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGSB-25-F125-L830
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

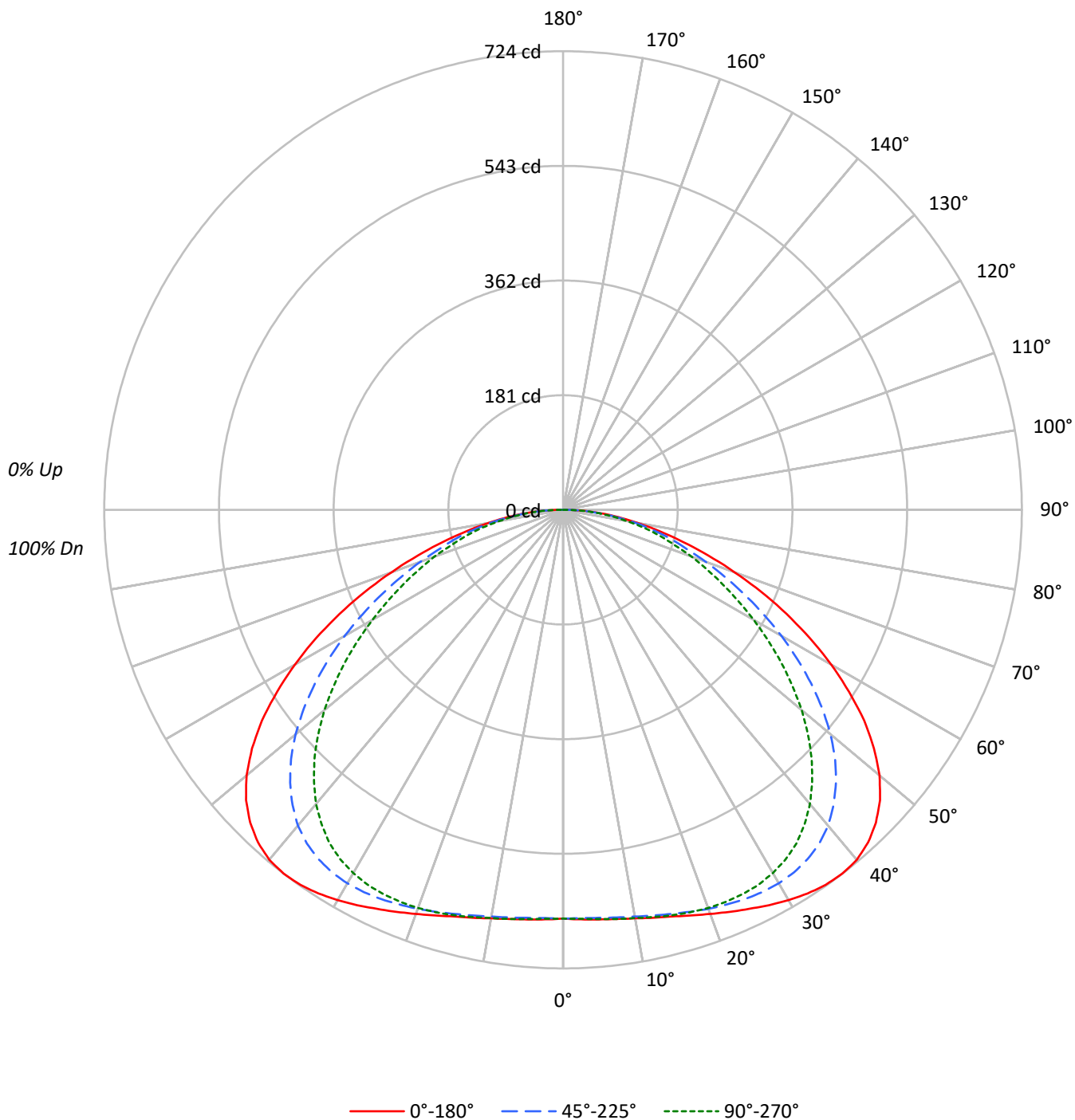
Lumens per Lamp: N/A
Luminaire Lumens: 2472.8 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.6
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82		
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68		
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56		
4	81	68	59	52	78	67	58	52	64	57	51	62	56	50	60	54	50	47		
5	74	61	51	44	72	59	51	44	57	50	44	55	48	43	53	47	43	40		
6	68	54	45	38	66	53	44	38	51	44	38	50	43	37	48	42	37	35		
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	44	37	32	30		
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	34	29	27		
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24		
10	51	37	29	24	50	37	29	24	36	28	23	35	28	23	34	28	23	21		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1736	1736	1736
5°	1753	1747	1752
10°	1790	1782	1788
15°	1852	1840	1846
20°	1944	1920	1915
25°	2064	2014	1988
30°	2211	2115	2057
35°	2374	2211	2110
40°	2533	2286	2129
45°	2657	2318	2111
50°	2728	2305	2057
55°	2722	2242	1971
60°	2631	2139	1869
65°	2478	2009	1767
70°	2267	1881	1698
75°	2040	1811	1641
80°	1864	1760	1585
85°	1794	1683	1584

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2734 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.0	2.5
10°-20°	188.0	7.6
20°-30°	314.6	12.7
30°-40°	424.0	17.1
40°-50°	475.5	19.2
50°-60°	436.4	17.6
60°-70°	322.7	13.1
70°-80°	187.8	7.6
80°-90°	61.7	2.5
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°	564.7	22.8
0°-40°	988.6	40.0
0°-60°	1900.5	76.9
0°-90°	2472.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2472.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	645	645	645	645	645	
5°	649	649	647	647	648	62
15°	665	663	660	661	663	189
25°	695	690	678	671	670	322
35°	723	708	673	650	642	453
45°	698	672	609	568	555	537
55°	580	547	478	433	420	515
65°	389	366	316	287	278	385
75°	196	194	174	160	158	210
85°	58	60	54	55	51	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	645.3	645.3	645.3	645.3	645.3
2.5°	647.2	647.2	644.9	645.6	646.2
5°	649.1	648.8	646.6	646.9	648.5
7.5°	651.4	651.4	649.1	649.1	651.4
10°	654.9	654.3	652.0	652.7	654.3
12.5°	659.5	658.2	655.9	656.6	658.5
15°	664.6	663.3	660.4	661.1	662.7
17.5°	671.4	669.5	665.3	665.3	666.2
20°	678.8	675.6	670.4	667.9	668.8
22.5°	686.9	682.7	674.3	669.8	670.1
25°	695.0	689.8	678.2	670.8	669.5
27.5°	703.7	696.2	680.4	670.1	667.5
30°	711.4	702.0	680.8	666.6	662.0
32.5°	718.2	705.9	678.5	659.8	654.0
35°	722.7	707.5	673.0	649.5	642.4
37.5°	724.0	705.6	664.0	635.3	625.9
40°	721.1	699.5	650.8	616.6	606.2
42.5°	712.4	688.5	632.0	594.0	581.7
45°	698.2	671.7	609.1	567.8	554.6
47.5°	678.5	648.5	582.4	537.8	524.0
50°	651.7	620.1	550.7	505.2	491.4
52.5°	618.5	585.6	515.6	470.7	455.9
55°	580.1	546.9	477.8	433.3	420.1
57.5°	535.2	504.6	438.1	395.9	383.3
60°	488.8	459.8	397.5	358.4	347.2
62.5°	439.7	413.3	356.5	321.3	311.7
65°	389.1	365.5	315.5	286.8	277.5
67.5°	338.4	320.4	276.5	251.0	245.8
70°	288.1	274.6	239.1	222.3	215.8
72.5°	240.4	233.3	203.6	192.3	183.6
75°	196.2	193.6	174.2	160.3	157.8
77.5°	156.2	160.0	143.2	133.2	131.0
80°	120.3	124.2	113.6	105.2	102.3
82.5°	87.8	92.9	82.3	80.3	77.4
85°	58.1	59.7	54.5	55.2	51.3
87.5°	28.4	31.6	28.7	29.7	27.7
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	16.1	17.8	16.5	18.1	18.4	14.3	16.0	14.7	16.3	16.6
	3H	17.9	19.4	18.2	19.7	20.1	16.0	17.6	16.4	17.9	18.3
	4H	18.5	20.0	18.9	20.3	20.7	16.7	18.2	17.1	18.5	18.9
	6H	19.0	20.3	19.4	20.7	21.1	17.3	18.7	17.7	19.0	19.4
	8H	19.2	20.5	19.6	20.8	21.2	17.5	18.8	18.0	19.2	19.6
	12H	19.3	20.5	19.7	20.9	21.4	17.7	18.9	18.1	19.3	19.7
4H	2H	16.5	18.0	16.9	18.3	18.7	15.1	16.5	15.5	16.9	17.3
	3H	18.5	19.7	18.9	20.1	20.5	17.0	18.2	17.4	18.6	19.0
	4H	19.3	20.4	19.8	20.8	21.3	17.8	18.9	18.3	19.4	19.8
	6H	20.0	21.0	20.4	21.4	21.8	18.6	19.5	19.0	20.0	20.4
	8H	20.2	21.1	20.7	21.6	22.0	18.8	19.7	19.3	20.2	20.6
	12H	20.4	21.2	20.9	21.7	22.2	19.1	19.9	19.5	20.4	20.8
8H	4H	19.6	20.5	20.0	20.9	21.4	18.3	19.2	18.7	19.6	20.1
	6H	20.4	21.1	20.9	21.6	22.1	19.1	19.9	19.6	20.4	20.8
	8H	20.7	21.4	21.2	21.9	22.4	19.5	20.2	20.0	20.7	21.2
	12H	21.0	21.6	21.5	22.1	22.7	19.8	20.4	20.3	20.9	21.5
12H	4H	19.6	20.4	20.1	20.9	21.4	18.3	19.2	18.8	19.6	20.1
	6H	20.4	21.1	21.0	21.6	22.1	19.2	19.9	19.8	20.4	20.9
	8H	20.8	21.4	21.3	21.9	22.5	19.7	20.3	20.2	20.8	21.3















(END OF REPORT)