

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: P1584169

Luminaire Tested: 14CGSB-35-F125-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584169
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-35-F125-L940
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

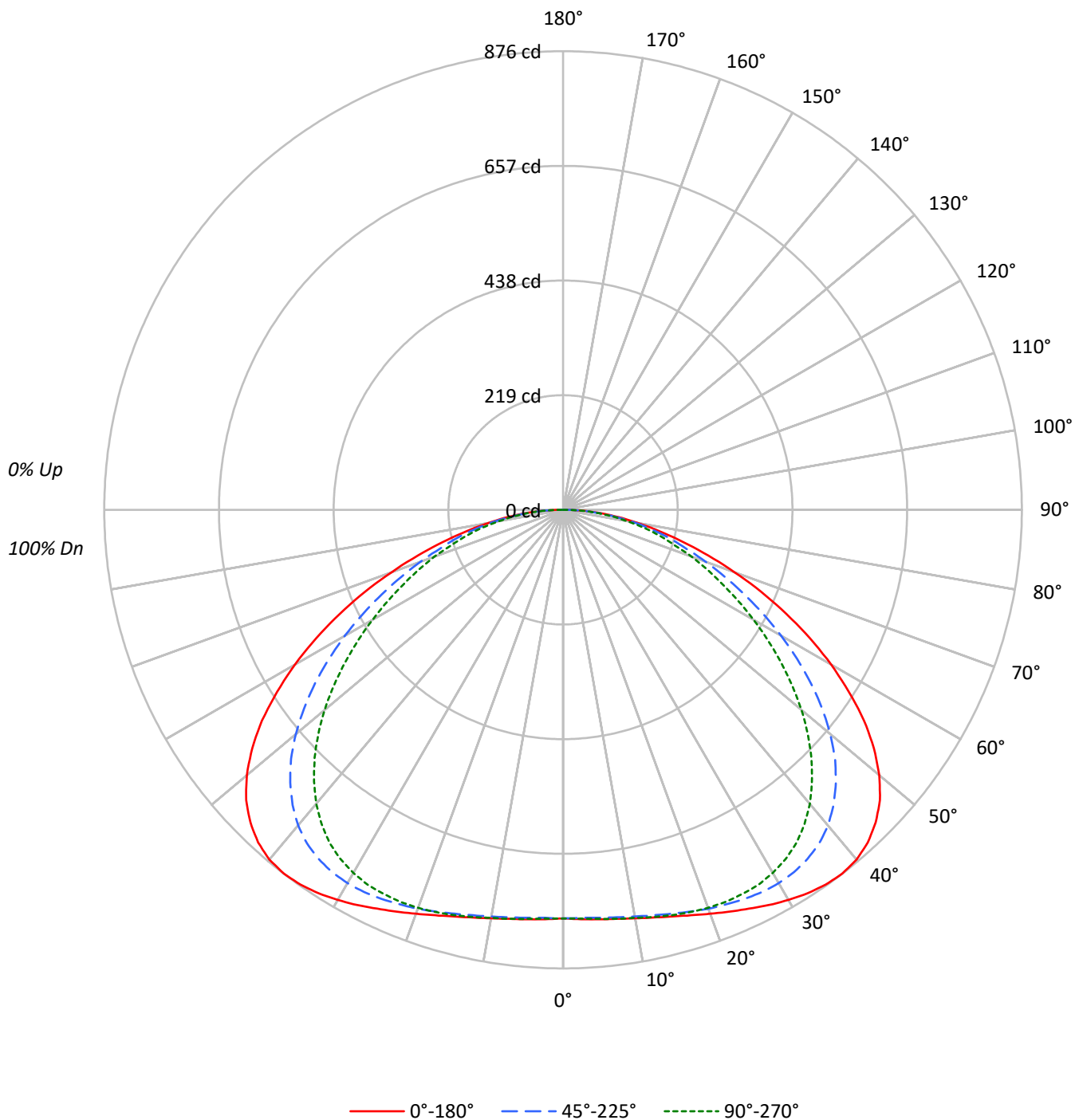
Lumens per Lamp: N/A
Luminaire Lumens: 2990.8 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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			
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	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°	2100	2100	2100
5°	2121	2112	2119
10°	2164	2155	2162
15°	2240	2225	2233
20°	2351	2322	2316
25°	2496	2435	2404
30°	2673	2559	2488
35°	2871	2674	2552
40°	3064	2765	2576
45°	3213	2804	2553
50°	3300	2789	2488
55°	3292	2711	2384
60°	3182	2588	2260
65°	2996	2430	2137
70°	2742	2275	2054
75°	2467	2191	1984
80°	2256	2129	1917
85°	2167	2035	1914

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3307 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	2.5
10°-20°	227.4	7.6
20°-30°	380.6	12.7
30°-40°	512.8	17.1
40°-50°	575.1	19.2
50°-60°	527.8	17.6
60°-70°	390.4	13.1
70°-80°	227.1	7.6
80°-90°	74.7	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°	683.0	22.8
0°-40°	1195.7	40.0
0°-60°	2298.7	76.9
0°-90°	2990.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2990.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	780	780	780	780	780	
5°	785	785	782	782	784	75
15°	804	802	799	800	802	229
25°	840	834	820	811	810	390
35°	874	856	814	786	777	547
45°	844	812	737	687	671	649
55°	702	661	578	524	508	623
65°	471	442	382	347	336	465
75°	237	234	211	194	191	254
85°	70	72	66	67	62	77
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	780.4	780.4	780.4	780.4	780.4
2.5°	782.8	782.8	780.1	780.8	781.6
5°	785.1	784.7	782.0	782.4	784.3
7.5°	787.9	787.9	785.1	785.1	787.9
10°	792.1	791.4	788.6	789.4	791.4
12.5°	797.6	796.1	793.3	794.1	796.4
15°	803.9	802.3	798.8	799.6	801.5
17.5°	812.1	809.7	804.6	804.6	805.8
20°	821.0	817.1	810.9	807.8	808.9
22.5°	830.8	825.7	815.6	810.1	810.5
25°	840.5	834.3	820.2	811.3	809.7
27.5°	851.1	842.1	823.0	810.5	807.4
30°	860.4	849.1	823.4	806.2	800.7
32.5°	868.6	853.8	820.6	798.0	791.0
35°	874.1	855.8	814.0	785.5	776.9
37.5°	875.7	853.4	803.1	768.3	757.0
40°	872.1	846.0	787.1	745.7	733.2
42.5°	861.6	832.7	764.4	718.4	703.6
45°	844.4	812.4	736.7	686.8	670.8
47.5°	820.6	784.3	704.3	650.5	633.7
50°	788.2	750.0	666.1	611.1	594.3
52.5°	748.1	708.3	623.6	569.3	551.4
55°	701.6	661.4	577.9	524.1	508.1
57.5°	647.4	610.3	529.9	478.8	463.6
60°	591.2	556.1	480.8	433.5	419.9
62.5°	531.9	499.9	431.2	388.7	377.0
65°	470.6	442.1	381.6	346.9	335.6
67.5°	409.3	387.5	334.4	303.6	297.3
70°	348.5	332.1	289.2	268.9	261.1
72.5°	290.7	282.1	246.2	232.6	222.0
75°	237.3	234.1	210.7	193.9	190.8
77.5°	188.9	193.5	173.3	161.2	158.4
80°	145.6	150.2	137.4	127.2	123.7
82.5°	106.1	112.4	99.5	97.2	93.7
85°	70.2	72.2	65.9	66.7	62.0
87.5°	34.3	38.2	34.7	35.9	33.6
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	16.8	18.5	17.1	18.8	19.1	15.0	16.7	15.3	17.0	17.3
	3H	18.5	20.1	18.9	20.4	20.8	16.7	18.2	17.1	18.6	18.9
	4H	19.2	20.6	19.6	21.0	21.3	17.4	18.8	17.8	19.2	19.6
	6H	19.7	21.0	20.1	21.4	21.8	18.0	19.3	18.4	19.7	20.1
	8H	19.8	21.1	20.3	21.5	21.9	18.2	19.5	18.6	19.9	20.3
	12H	20.0	21.2	20.4	21.6	22.0	18.4	19.6	18.8	20.0	20.4
4H	2H	17.2	18.6	17.6	19.0	19.4	15.7	17.2	16.1	17.5	17.9
	3H	19.2	20.4	19.6	20.8	21.2	17.7	18.9	18.1	19.3	19.7
	4H	20.0	21.1	20.4	21.5	21.9	18.5	19.6	18.9	20.0	20.5
	6H	20.6	21.6	21.1	22.1	22.5	19.2	20.2	19.7	20.6	21.1
	8H	20.9	21.8	21.3	22.2	22.7	19.5	20.4	19.9	20.8	21.3
	12H	21.1	21.9	21.6	22.4	22.8	19.7	20.5	20.2	21.0	21.5
8H	4H	20.2	21.1	20.7	21.6	22.0	18.9	19.8	19.4	20.3	20.7
	6H	21.0	21.8	21.5	22.3	22.8	19.8	20.5	20.3	21.0	21.5
	8H	21.4	22.1	21.9	22.6	23.0	20.1	20.8	20.7	21.3	21.8
	12H	21.7	22.3	22.2	22.8	23.3	20.5	21.1	21.0	21.6	22.1
12H	4H	20.3	21.1	20.7	21.6	22.0	19.0	19.8	19.5	20.3	20.8
	6H	21.1	21.8	21.6	22.2	22.8	19.9	20.6	20.4	21.0	21.6
	8H	21.5	22.1	22.0	22.6	23.1	20.3	20.9	20.8	21.4	22.0













(END OF REPORT)