

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: P1584168

Luminaire Tested: 14CGSB-35-F125-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584168
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-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

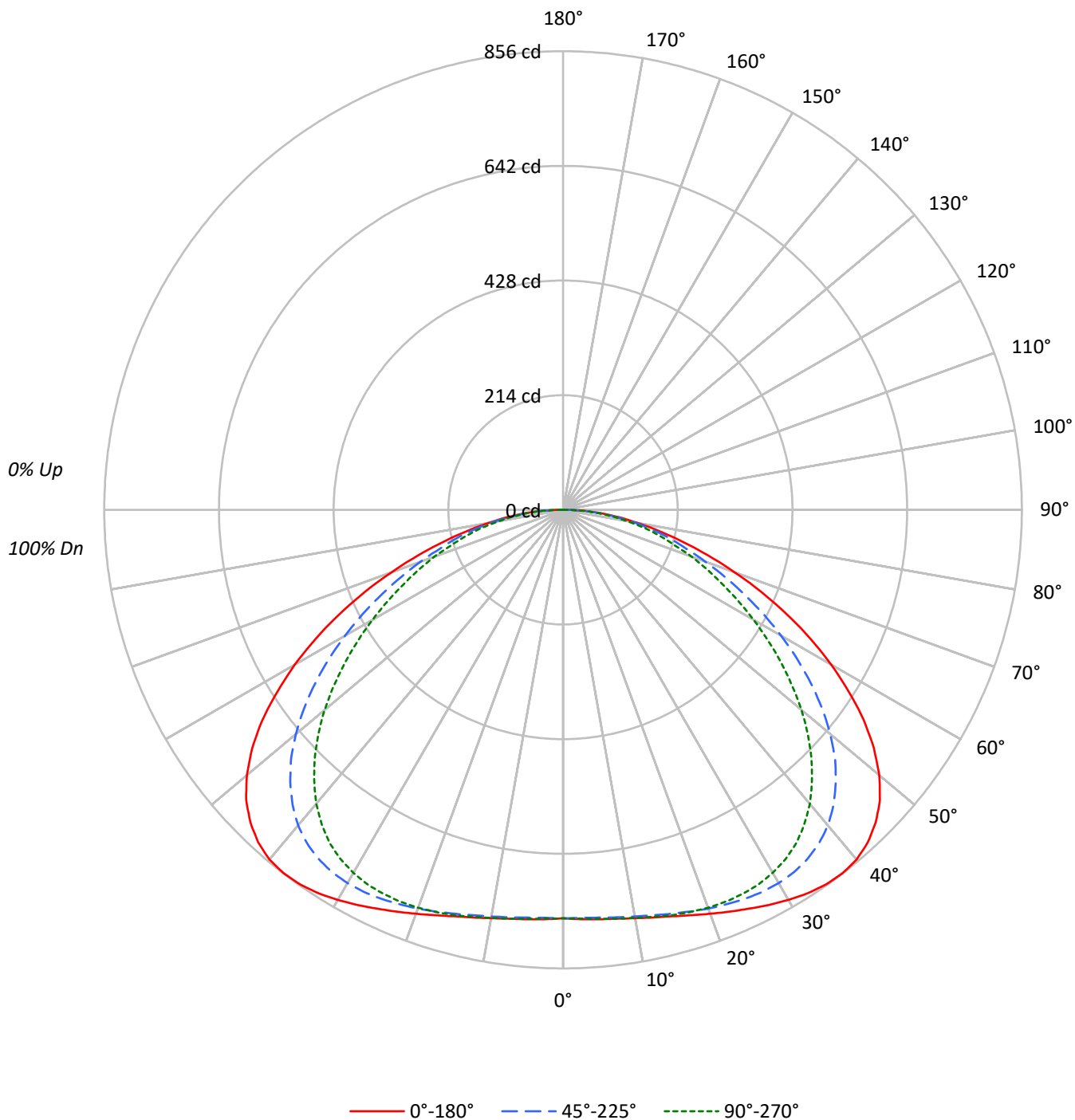
Lumens per Lamp: N/A
Luminaire Lumens: 2922.0 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	2052	2052	2052
5°	2072	2064	2070
10°	2115	2105	2113
15°	2188	2174	2182
20°	2297	2269	2263
25°	2438	2379	2349
30°	2612	2499	2431
35°	2805	2613	2494
40°	2993	2701	2517
45°	3140	2739	2494
50°	3224	2725	2431
55°	3216	2649	2329
60°	3109	2528	2208
65°	2928	2374	2088
70°	2679	2223	2007
75°	2410	2141	1938
80°	2204	2080	1874
85°	2118	1988	1871

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3231 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.3	2.5
10°-20°	222.2	7.6
20°-30°	371.8	12.7
30°-40°	501.0	17.1
40°-50°	561.9	19.2
50°-60°	515.6	17.6
60°-70°	381.4	13.1
70°-80°	221.9	7.6
80°-90°	72.9	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°	667.3	22.8
0°-40°	1168.3	40.0
0°-60°	2245.8	76.9
0°-90°	2922.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2922.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	762	762	762	762	762	
5°	767	767	764	764	766	73
15°	785	784	780	781	783	223
25°	821	815	801	793	791	381
35°	854	836	795	768	759	535
45°	825	794	720	671	655	634
55°	686	646	565	512	496	609
65°	460	432	373	339	328	455
75°	232	229	206	190	186	248
85°	69	70	64	65	61	75
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	762.5	762.5	762.5	762.5	762.5
2.5°	764.8	764.8	762.1	762.9	763.6
5°	767.1	766.7	764.0	764.4	766.3
7.5°	769.7	769.7	767.1	767.1	769.7
10°	773.9	773.2	770.5	771.3	773.2
12.5°	779.3	777.8	775.1	775.8	778.1
15°	785.4	783.9	780.4	781.2	783.1
17.5°	793.4	791.1	786.1	786.1	787.3
20°	802.2	798.3	792.2	789.2	790.3
22.5°	811.7	806.7	796.8	791.5	791.9
25°	821.2	815.1	801.4	792.6	791.1
27.5°	831.5	822.7	804.1	791.9	788.8
30°	840.7	829.6	804.4	787.7	782.3
32.5°	848.7	834.2	801.8	779.7	772.8
35°	854.0	836.1	795.3	767.5	759.1
37.5°	855.5	833.8	784.6	750.7	739.6
40°	852.1	826.6	769.0	728.6	716.4
42.5°	841.8	813.6	746.9	701.9	687.4
45°	825.0	793.8	719.8	671.0	655.4
47.5°	801.8	766.3	688.2	635.5	619.2
50°	770.1	732.8	650.8	597.0	580.6
52.5°	730.9	692.0	609.2	556.2	538.7
55°	685.5	646.2	564.6	512.0	496.4
57.5°	632.5	596.3	517.7	467.8	452.9
60°	577.6	543.3	469.7	423.6	410.2
62.5°	519.6	488.4	421.3	379.7	368.3
65°	459.8	432.0	372.9	338.9	327.9
67.5°	399.9	378.6	326.7	296.6	290.5
70°	340.5	324.4	282.5	262.7	255.1
72.5°	284.0	275.6	240.6	227.2	216.9
75°	231.8	228.8	205.9	189.5	186.4
77.5°	184.5	189.1	169.3	157.5	154.8
80°	142.2	146.8	134.2	124.3	120.9
82.5°	103.7	109.8	97.2	94.9	91.5
85°	68.6	70.5	64.4	65.2	60.6
87.5°	33.6	37.4	33.9	35.1	32.8
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	16.7	18.4	17.1	18.7	19.0	14.9	16.6	15.3	16.9	17.2
	3H	18.4	20.0	18.8	20.3	20.7	16.6	18.2	17.0	18.5	18.8
	4H	19.1	20.5	19.5	20.9	21.3	17.3	18.8	17.7	19.1	19.5
	6H	19.6	20.9	20.0	21.3	21.7	17.9	19.2	18.3	19.6	20.0
	8H	19.8	21.0	20.2	21.4	21.8	18.1	19.4	18.5	19.8	20.2
	12H	19.9	21.1	20.3	21.5	21.9	18.3	19.5	18.7	19.9	20.3
4H	2H	17.1	18.6	17.5	18.9	19.3	15.7	17.1	16.1	17.5	17.8
	3H	19.1	20.3	19.5	20.7	21.1	17.6	18.8	18.0	19.2	19.6
	4H	19.9	21.0	20.3	21.4	21.9	18.4	19.5	18.8	19.9	20.4
	6H	20.6	21.5	21.0	22.0	22.4	19.1	20.1	19.6	20.5	21.0
	8H	20.8	21.7	21.3	22.2	22.6	19.4	20.3	19.9	20.8	21.2
	12H	21.0	21.8	21.5	22.3	22.8	19.6	20.5	20.1	20.9	21.4
8H	4H	20.2	21.1	20.6	21.5	22.0	18.8	19.8	19.3	20.2	20.7
	6H	21.0	21.7	21.4	22.2	22.7	19.7	20.5	20.2	20.9	21.4
	8H	21.3	22.0	21.8	22.5	23.0	20.1	20.8	20.6	21.3	21.7
	12H	21.6	22.2	22.1	22.7	23.2	20.4	21.0	20.9	21.5	22.1
12H	4H	20.2	21.0	20.7	21.5	21.9	18.9	19.7	19.4	20.2	20.7
	6H	21.0	21.7	21.5	22.2	22.7	19.8	20.5	20.3	21.0	21.5
	8H	21.4	22.0	21.9	22.5	23.1	20.2	20.8	20.7	21.3	21.9















(END OF REPORT)