

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: P1584157

Luminaire Tested: 14CGSB-30-F125-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584157
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-30-F125-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

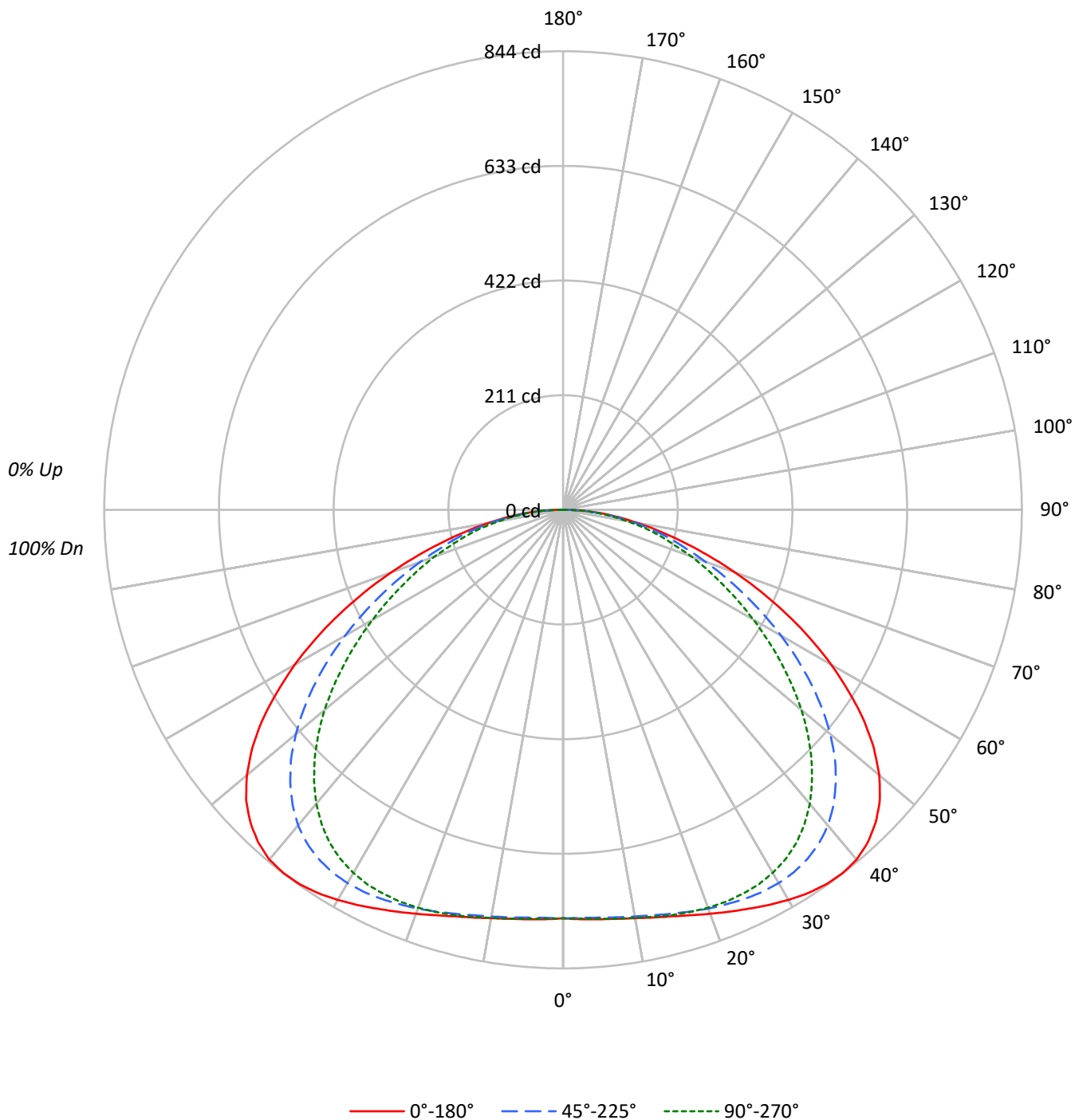
Lumens per Lamp: N/A
Luminaire Lumens: 2881.1 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.7
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
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°	2023	2023	2023
5°	2043	2035	2041
10°	2085	2076	2083
15°	2157	2144	2151
20°	2265	2237	2232
25°	2404	2346	2316
30°	2576	2465	2397
35°	2766	2576	2459
40°	2951	2663	2481
45°	3096	2701	2459
50°	3179	2686	2397
55°	3171	2612	2296
60°	3065	2492	2177
65°	2886	2341	2059
70°	2641	2191	1979
75°	2377	2111	1911
80°	2173	2050	1847
85°	2090	1961	1846

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3185 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	2.5
10°-20°	219.1	7.6
20°-30°	366.6	12.7
30°-40°	494.0	17.1
40°-50°	554.1	19.2
50°-60°	508.4	17.6
60°-70°	376.0	13.1
70°-80°	218.7	7.6
80°-90°	71.9	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°	657.9	22.8
0°-40°	1151.9	40.0
0°-60°	2214.4	76.9
0°-90°	2881.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2881.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	752	752	752	752	752	
5°	756	756	753	754	756	72
15°	774	773	770	770	772	220
25°	810	804	790	782	780	375
35°	842	824	784	757	748	527
45°	814	783	710	662	646	625
55°	676	637	557	505	489	600
65°	453	426	368	334	323	448
75°	229	226	203	187	184	245
85°	68	70	64	64	60	74
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	751.8	751.8	751.8	751.8	751.8
2.5°	754.1	754.1	751.4	752.2	752.9
5°	756.3	755.9	753.3	753.7	755.6
7.5°	759.0	759.0	756.3	756.3	759.0
10°	763.1	762.3	759.7	760.5	762.3
12.5°	768.4	766.9	764.2	765.0	767.2
15°	774.4	772.9	769.5	770.2	772.1
17.5°	782.3	780.0	775.1	775.1	776.2
20°	790.9	787.1	781.1	778.1	779.3
22.5°	800.3	795.4	785.6	780.4	780.8
25°	809.7	803.7	790.2	781.5	780.0
27.5°	819.9	811.2	792.8	780.8	777.8
30°	828.9	818.0	793.2	776.6	771.4
32.5°	836.8	822.5	790.5	768.7	762.0
35°	842.0	824.4	784.1	756.7	748.4
37.5°	843.5	822.1	773.6	740.2	729.3
40°	840.2	815.0	758.2	718.4	706.3
42.5°	830.0	802.2	736.4	692.0	677.8
45°	813.5	782.6	709.7	661.6	646.2
47.5°	790.5	755.6	678.5	626.6	610.5
50°	759.3	722.5	641.7	588.7	572.5
52.5°	720.6	682.3	600.7	548.4	531.2
55°	675.9	637.2	556.7	504.8	489.4
57.5°	623.6	587.9	510.5	461.2	446.6
60°	569.5	535.7	463.1	417.6	404.5
62.5°	512.4	481.5	415.4	374.4	363.1
65°	453.3	425.9	367.6	334.2	323.3
67.5°	394.3	373.3	322.2	292.5	286.4
70°	335.7	319.9	278.5	259.0	251.5
72.5°	280.1	271.8	237.2	224.0	213.9
75°	228.6	225.5	203.0	186.8	183.8
77.5°	181.9	186.4	166.9	155.2	152.6
80°	140.2	144.7	132.3	122.5	119.2
82.5°	102.2	108.3	95.9	93.6	90.2
85°	67.7	69.5	63.5	64.3	59.8
87.5°	33.1	36.8	33.5	34.6	32.3
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	18.3	17.0	18.7	19.0	14.8	16.5	15.2	16.9	17.2
	3H	18.4	19.9	18.8	20.3	20.6	16.6	18.1	16.9	18.4	18.8
	4H	19.0	20.5	19.4	20.8	21.2	17.3	18.7	17.7	19.1	19.4
	6H	19.5	20.9	19.9	21.2	21.6	17.8	19.2	18.3	19.6	19.9
	8H	19.7	21.0	20.1	21.4	21.8	18.1	19.4	18.5	19.7	20.1
	12H	19.8	21.1	20.3	21.5	21.9	18.2	19.5	18.7	19.9	20.3
4H	2H	17.1	18.5	17.5	18.9	19.2	15.6	17.1	16.0	17.4	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	21.8	18.4	19.5	18.8	19.9	20.3
	6H	20.5	21.5	21.0	21.9	22.4	19.1	20.1	19.5	20.5	20.9
	8H	20.8	21.7	21.2	22.1	22.6	19.4	20.3	19.8	20.7	21.2
	12H	21.0	21.8	21.4	22.2	22.7	19.6	20.4	20.1	20.9	21.4
8H	4H	20.1	21.0	20.6	21.5	21.9	18.8	19.7	19.3	20.1	20.6
	6H	20.9	21.7	21.4	22.2	22.6	19.6	20.4	20.1	20.9	21.4
	8H	21.2	21.9	21.7	22.4	22.9	20.0	20.7	20.5	21.2	21.7
	12H	21.5	22.1	22.0	22.6	23.2	20.3	21.0	20.9	21.4	22.0
12H	4H	20.1	21.0	20.6	21.4	21.9	18.9	19.7	19.3	20.2	20.6
	6H	21.0	21.7	21.5	22.1	22.7	19.8	20.5	20.3	20.9	21.5
	8H	21.4	22.0	21.9	22.5	23.0	20.2	20.8	20.7	21.3	21.8















(END OF REPORT)