

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: P1584151

Luminaire Tested: 14CGSB-25-F125-L840

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584151
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-L840
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

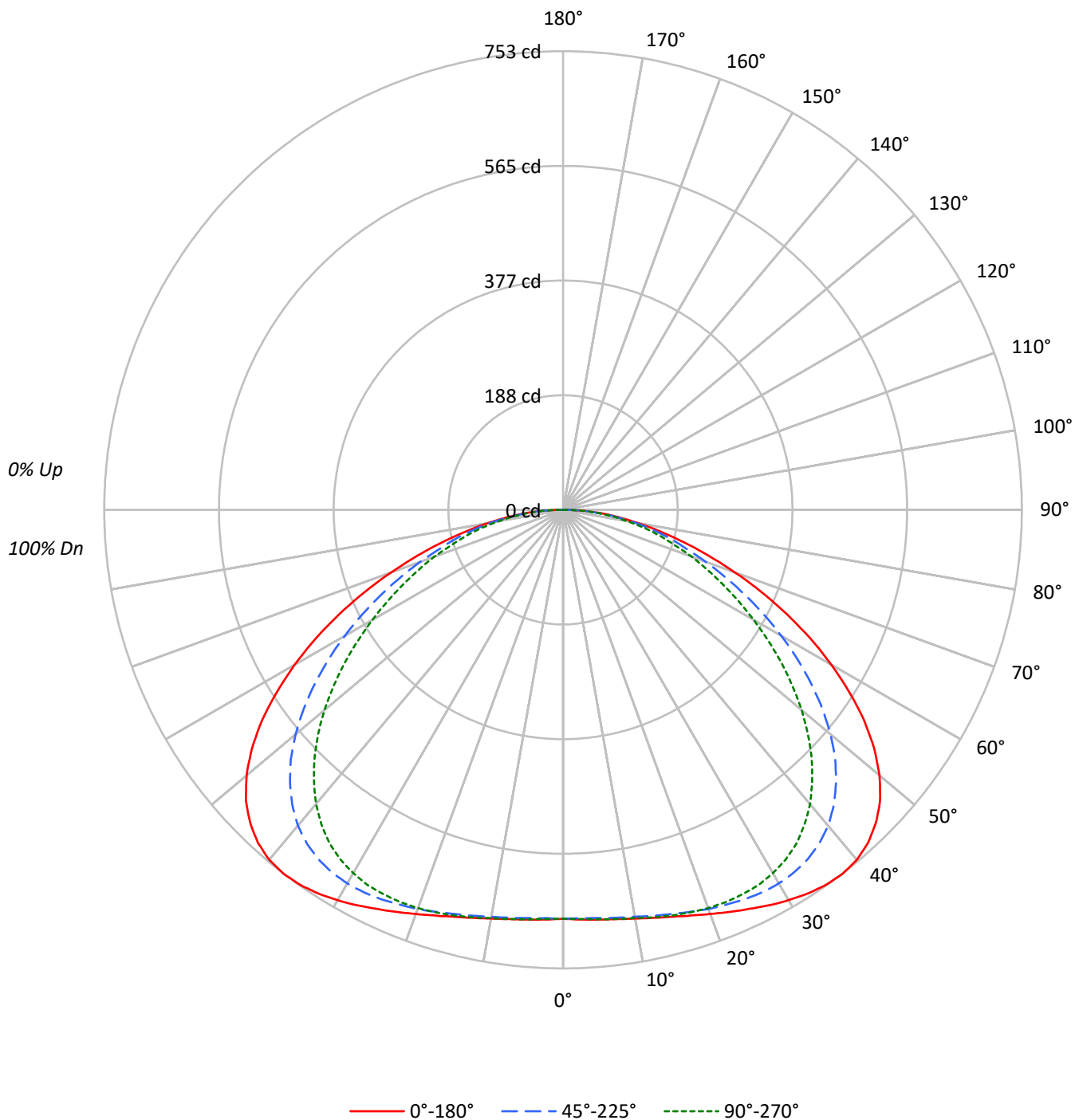
Lumens per Lamp: N/A
Luminaire Lumens: 2572.7 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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			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°	1806	1806	1806
5°	1824	1817	1823
10°	1862	1854	1860
15°	1926	1914	1921
20°	2022	1997	1993
25°	2147	2095	2068
30°	2300	2201	2140
35°	2470	2300	2195
40°	2635	2378	2216
45°	2764	2412	2196
50°	2839	2399	2140
55°	2831	2332	2050
60°	2737	2225	1944
65°	2578	2090	1838
70°	2359	1957	1767
75°	2122	1885	1706
80°	1940	1832	1649
85°	1865	1751	1649

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2845 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.5	2.5
10°-20°	195.6	7.6
20°-30°	327.4	12.7
30°-40°	441.1	17.1
40°-50°	494.8	19.2
50°-60°	454.0	17.6
60°-70°	335.8	13.1
70°-80°	195.3	7.6
80°-90°	64.2	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°	587.5	22.8
0°-40°	1028.6	40.0
0°-60°	1977.3	76.9
0°-90°	2572.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2572.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	671	671	671	671	671	
5°	675	675	673	673	675	65
15°	692	690	687	688	690	197
25°	723	718	706	698	696	335
35°	752	736	700	676	668	471
45°	726	699	634	591	577	558
55°	604	569	497	451	437	536
65°	405	380	328	298	289	400
75°	204	201	181	167	164	219
85°	60	62	57	57	53	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	671.3	671.3	671.3	671.3	671.3
2.5°	673.4	673.4	671.0	671.7	672.3
5°	675.4	675.0	672.7	673.0	674.7
7.5°	677.7	677.7	675.4	675.4	677.7
10°	681.4	680.7	678.4	679.1	680.7
12.5°	686.1	684.8	682.4	683.1	685.1
15°	691.5	690.1	687.1	687.8	689.5
17.5°	698.5	696.5	692.1	692.1	693.2
20°	706.2	702.9	697.5	694.8	695.8
22.5°	714.6	710.3	701.5	696.8	697.2
25°	723.0	717.7	705.6	697.9	696.5
27.5°	732.1	724.4	707.9	697.2	694.5
30°	740.1	730.4	708.3	693.5	688.8
32.5°	747.2	734.4	705.9	686.4	680.4
35°	751.9	736.1	700.2	675.7	668.3
37.5°	753.2	734.1	690.8	660.9	651.2
40°	750.2	727.7	677.0	641.5	630.7
42.5°	741.2	716.3	657.6	618.0	605.2
45°	726.4	698.9	633.7	590.8	577.0
47.5°	705.9	674.7	605.9	559.6	545.1
50°	678.1	645.2	573.0	525.7	511.2
52.5°	643.5	609.2	536.4	489.7	474.3
55°	603.5	569.0	497.1	450.8	437.0
57.5°	556.9	525.0	455.8	411.9	398.8
60°	508.5	478.3	413.5	372.9	361.2
62.5°	457.5	430.0	370.9	334.3	324.3
65°	404.8	380.3	328.3	298.4	288.7
67.5°	352.1	333.3	287.7	261.2	255.8
70°	299.8	285.7	248.7	231.3	224.6
72.5°	250.1	242.7	211.8	200.1	191.0
75°	204.1	201.4	181.3	166.8	164.1
77.5°	162.5	166.5	149.0	138.6	136.3
80°	125.2	129.2	118.2	109.4	106.4
82.5°	91.3	96.7	85.6	83.6	80.6
85°	60.4	62.1	56.7	57.4	53.4
87.5°	29.5	32.9	29.9	30.9	28.9
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	16.3	18.0	16.6	18.3	18.6	14.5	16.2	14.8	16.5	16.8
	3H	18.0	19.5	18.4	19.9	20.2	16.2	17.7	16.5	18.0	18.4
	4H	18.6	20.1	19.0	20.4	20.8	16.9	18.3	17.3	18.7	19.0
	6H	19.1	20.5	19.5	20.8	21.2	17.4	18.8	17.9	19.2	19.6
	8H	19.3	20.6	19.7	21.0	21.4	17.7	19.0	18.1	19.3	19.7
	12H	19.4	20.7	19.9	21.1	21.5	17.8	19.1	18.3	19.5	19.9
4H	2H	16.7	18.1	17.1	18.5	18.8	15.2	16.7	15.6	17.0	17.4
	3H	18.7	19.9	19.1	20.3	20.7	17.2	18.4	17.6	18.8	19.2
	4H	19.5	20.6	19.9	21.0	21.4	18.0	19.1	18.4	19.5	19.9
	6H	20.1	21.1	20.6	21.5	22.0	18.7	19.7	19.1	20.1	20.6
	8H	20.4	21.3	20.8	21.7	22.2	19.0	19.9	19.4	20.3	20.8
	12H	20.6	21.4	21.0	21.9	22.3	19.2	20.0	19.7	20.5	21.0
8H	4H	19.7	20.6	20.2	21.1	21.5	18.4	19.3	18.9	19.8	20.2
	6H	20.5	21.3	21.0	21.8	22.2	19.3	20.0	19.7	20.5	21.0
	8H	20.9	21.5	21.4	22.0	22.5	19.6	20.3	20.1	20.8	21.3
	12H	21.1	21.8	21.6	22.2	22.8	20.0	20.6	20.5	21.1	21.6
12H	4H	19.7	20.6	20.2	21.0	21.5	18.5	19.3	18.9	19.8	20.2
	6H	20.6	21.3	21.1	21.7	22.3	19.4	20.1	19.9	20.5	21.1
	8H	21.0	21.6	21.5	22.1	22.6	19.8	20.4	20.3	20.9	21.5















(END OF REPORT)