

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P568383

Luminaire Tested: **22CGTX-25HE-L950**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568383
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CGTX-25HE-L950
Description: 2X2 2500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

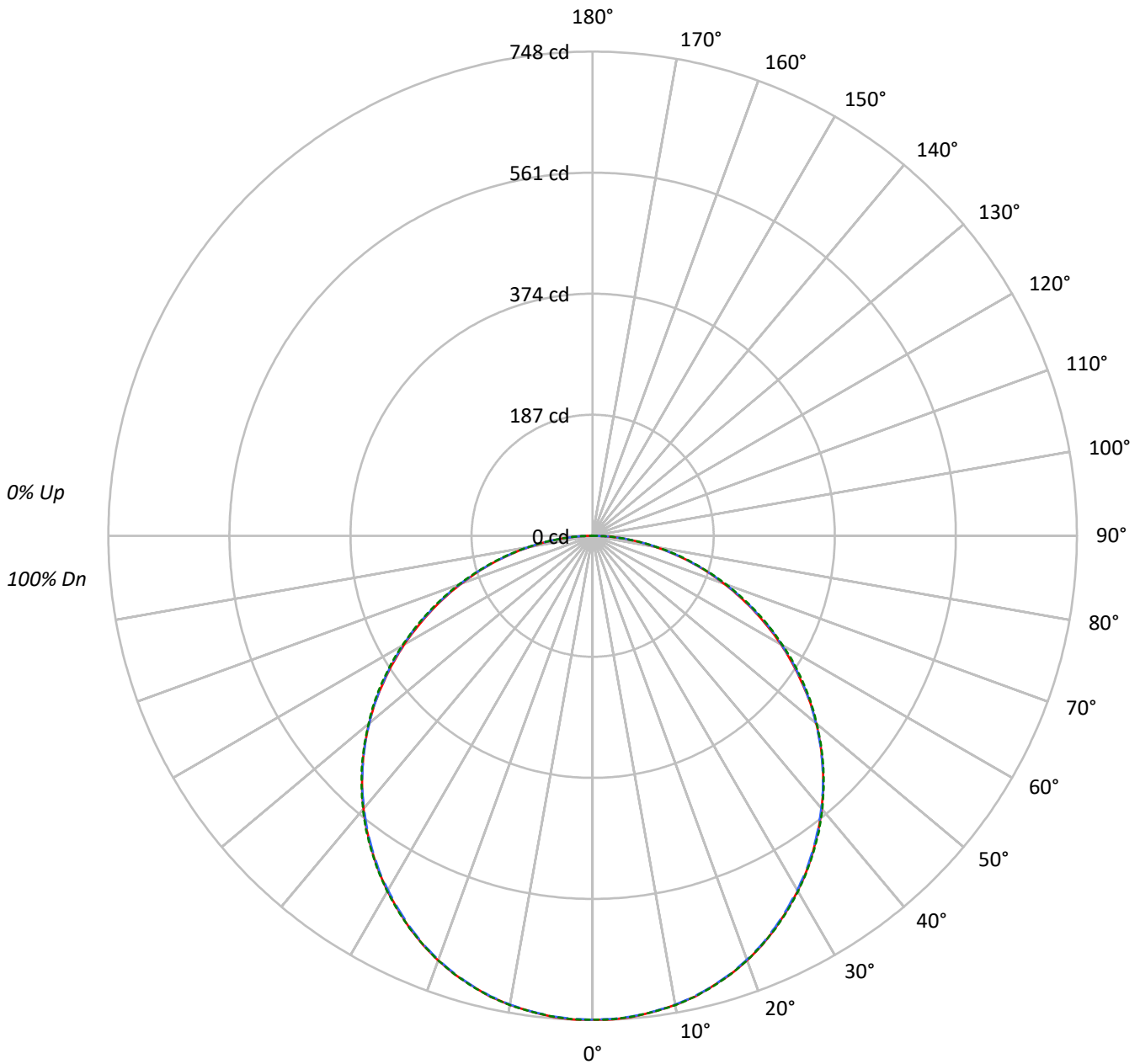
Lumens per Lamp: N/A
Luminaire Lumens: 2188.0 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 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	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83			
2	98	90	83	77	96	88	81	76	84	79	74	81	77	73	78	74	71	69			
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26			
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2012	2012	2012
5°	2014	2011	2012
10°	2011	2009	2012
15°	2005	2005	2007
20°	1999	1996	1999
25°	1985	1981	1986
30°	1969	1964	1971
35°	1952	1948	1955
40°	1934	1930	1938
45°	1912	1911	1918
50°	1887	1885	1891
55°	1849	1854	1866
60°	1808	1816	1828
65°	1755	1767	1781
70°	1694	1711	1726
75°	1626	1639	1657
80°	1530	1547	1559
85°	1392	1402	1426



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.8	3.2
10°-20°	203.1	9.3
20°-30°	307.8	14.1
30°-40°	371.7	17.0
40°-50°	387.8	17.7
50°-60°	353.7	16.2
60°-70°	274.9	12.6
70°-80°	166.8	7.6
80°-90°	51.4	2.3
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°	581.7	26.6
0°-40°	953.4	43.6
0°-60°	1694.9	77.5
0°-90°	2188.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2188.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	748	748	748	748	748	
5°	745	744	745	744	745	71
15°	720	720	720	720	720	203
25°	669	667	667	668	669	308
35°	594	593	593	595	595	372
45°	502	502	502	504	504	388
55°	394	395	395	396	398	353
65°	276	276	278	279	280	273
75°	156	156	158	159	159	165
85°	45	45	45	47	46	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	747.6	747.6	747.6	747.6	747.6
2.5°	748.0	746.8	746.8	746.5	747.6
5°	745.4	744.2	744.6	744.2	745.0
7.5°	740.9	740.1	740.5	740.1	740.9
10°	736.0	735.3	735.3	735.3	736.4
12.5°	729.3	728.6	728.6	728.6	729.3
15°	719.7	719.7	719.7	719.7	720.4
17.5°	710.0	708.9	709.2	708.9	710.0
20°	698.1	696.6	696.9	696.9	698.1
22.5°	684.3	682.8	683.2	683.2	683.9
25°	668.6	667.1	667.1	668.3	669.0
27.5°	651.5	650.4	650.0	651.9	652.2
30°	633.6	632.9	632.1	634.0	634.4
32.5°	614.6	613.9	613.5	615.4	615.4
35°	594.1	593.4	593.0	595.2	595.2
37.5°	572.9	572.5	571.8	574.0	574.4
40°	550.5	549.8	549.4	551.7	551.7
42.5°	527.1	526.3	526.7	528.6	528.2
45°	502.5	502.1	502.1	504.4	504.0
47.5°	477.2	476.4	476.8	479.0	478.3
50°	450.7	450.0	450.3	452.6	451.8
52.5°	423.5	422.8	423.5	425.8	425.8
55°	394.1	394.8	395.2	396.3	397.8
57.5°	365.4	365.8	367.3	368.0	369.1
60°	336.0	336.7	337.5	339.0	339.7
62.5°	305.8	306.9	309.2	309.2	309.9
65°	275.6	276.4	277.5	278.6	279.7
67.5°	245.8	246.2	248.1	248.5	249.6
70°	215.3	215.7	217.5	217.9	219.4
72.5°	186.2	185.9	187.4	189.2	189.2
75°	156.4	156.1	157.6	159.1	159.4
77.5°	127.4	127.0	128.1	130.0	130.0
80°	98.7	99.5	99.8	101.3	100.6
82.5°	71.1	71.5	71.9	73.0	72.3
85°	45.1	45.4	45.4	46.6	46.2
87.5°	21.2	20.9	20.9	21.6	21.2
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)