

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: P568359

Luminaire Tested: **22CGTX-25HE-L935**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568359
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-L935
Description: 2X2 2500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

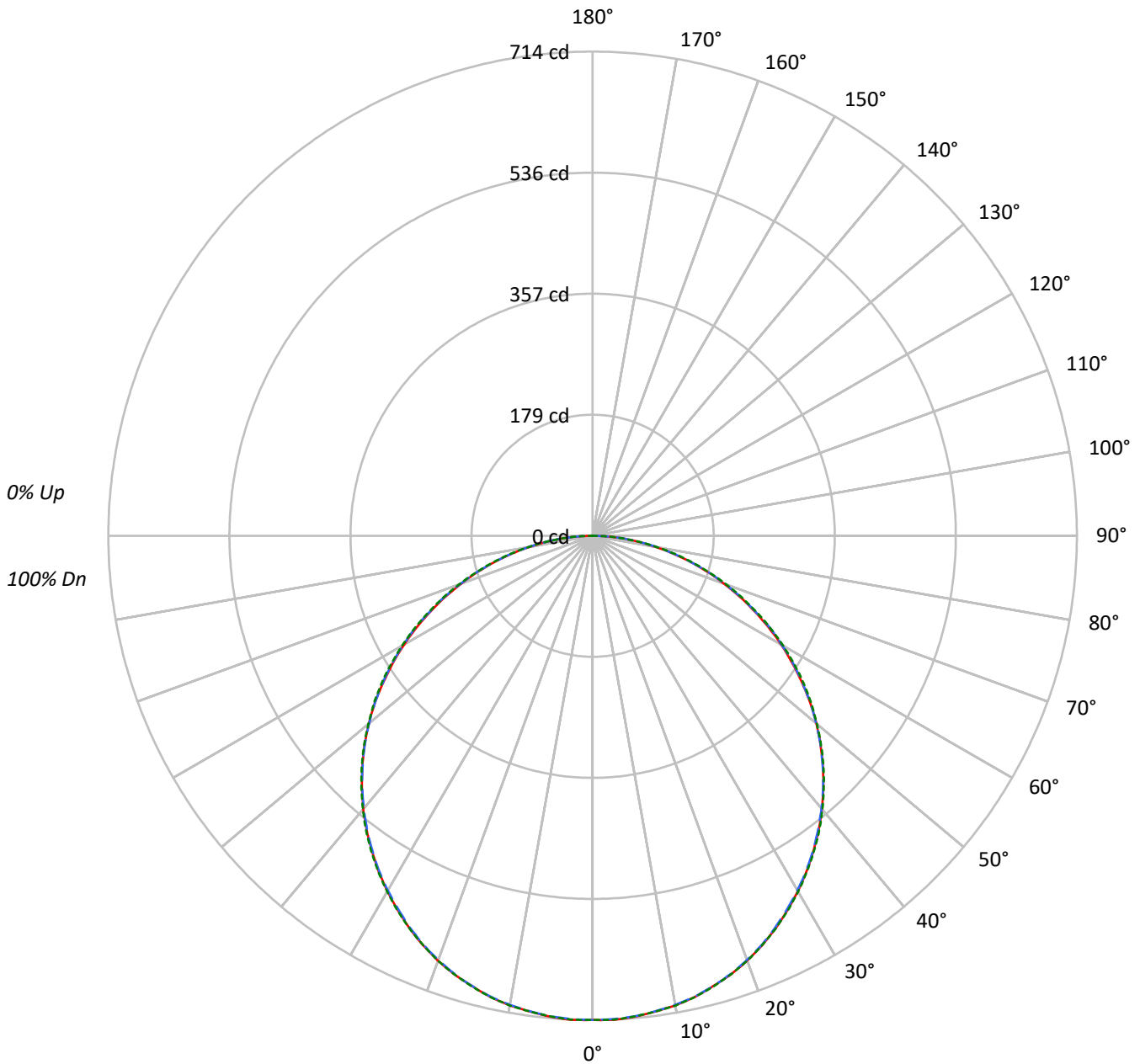
Lumens per Lamp: N/A
Luminaire Lumens: 2090.0 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	1922	1922	1922
5°	1923	1921	1922
10°	1921	1919	1922
15°	1915	1915	1917
20°	1910	1906	1910
25°	1896	1892	1897
30°	1881	1876	1883
35°	1864	1861	1868
40°	1847	1844	1851
45°	1827	1825	1832
50°	1802	1801	1807
55°	1766	1771	1783
60°	1727	1735	1746
65°	1677	1688	1701
70°	1618	1635	1649
75°	1553	1565	1583
80°	1461	1478	1489
85°	1331	1340	1362



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	3.2
10°-20°	194.0	9.3
20°-30°	294.0	14.1
30°-40°	355.1	17.0
40°-50°	370.5	17.7
50°-60°	337.8	16.2
60°-70°	262.6	12.6
70°-80°	159.3	7.6
80°-90°	49.1	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°	555.6	26.6
0°-40°	910.7	43.6
0°-60°	1619.0	77.5
0°-90°	2090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2090.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	714	714	714	714	714	
5°	712	711	711	711	712	68
15°	687	687	687	687	688	194
25°	639	637	637	638	639	294
35°	568	567	566	569	569	355
45°	480	480	480	482	481	370
55°	376	377	378	379	380	337
65°	263	264	265	266	267	261
75°	149	149	150	152	152	158
85°	43	43	43	44	44	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	714.1	714.1	714.1	714.1	714.1
2.5°	714.5	713.4	713.4	713.0	714.1
5°	712.0	710.9	711.3	710.9	711.6
7.5°	707.7	707.0	707.3	707.0	707.7
10°	703.1	702.4	702.4	702.4	703.4
12.5°	696.7	696.0	696.0	696.0	696.7
15°	687.4	687.4	687.4	687.4	688.1
17.5°	678.2	677.1	677.5	677.1	678.2
20°	666.8	665.4	665.7	665.7	666.8
22.5°	653.6	652.2	652.6	652.6	653.3
25°	638.7	637.3	637.3	638.3	639.0
27.5°	622.3	621.2	620.9	622.7	623.0
30°	605.2	604.5	603.8	605.6	605.9
32.5°	587.1	586.4	586.0	587.8	587.8
35°	567.5	566.8	566.4	568.6	568.6
37.5°	547.2	546.9	546.2	548.3	548.7
40°	525.9	525.2	524.8	527.0	527.0
42.5°	503.5	502.8	503.1	504.9	504.5
45°	480.0	479.6	479.6	481.8	481.4
47.5°	455.8	455.1	455.4	457.6	456.9
50°	430.5	429.8	430.2	432.3	431.6
52.5°	404.6	403.8	404.6	406.7	406.7
55°	376.4	377.2	377.5	378.6	380.0
57.5°	349.0	349.4	350.8	351.5	352.6
60°	320.9	321.7	322.4	323.8	324.5
62.5°	292.1	293.2	295.3	295.3	296.0
65°	263.3	264.0	265.1	266.1	267.2
67.5°	234.8	235.2	237.0	237.3	238.4
70°	205.7	206.0	207.8	208.1	209.6
72.5°	177.9	177.5	179.0	180.8	180.8
75°	149.4	149.1	150.5	151.9	152.3
77.5°	121.7	121.3	122.4	124.2	124.2
80°	94.3	95.0	95.4	96.8	96.1
82.5°	68.0	68.3	68.7	69.7	69.0
85°	43.1	43.4	43.4	44.5	44.1
87.5°	20.3	19.9	19.9	20.6	20.3
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)