

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: P568371

Luminaire Tested: **22CGTX-25HE-L940**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568371
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-L940
Description: 2X2 2500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

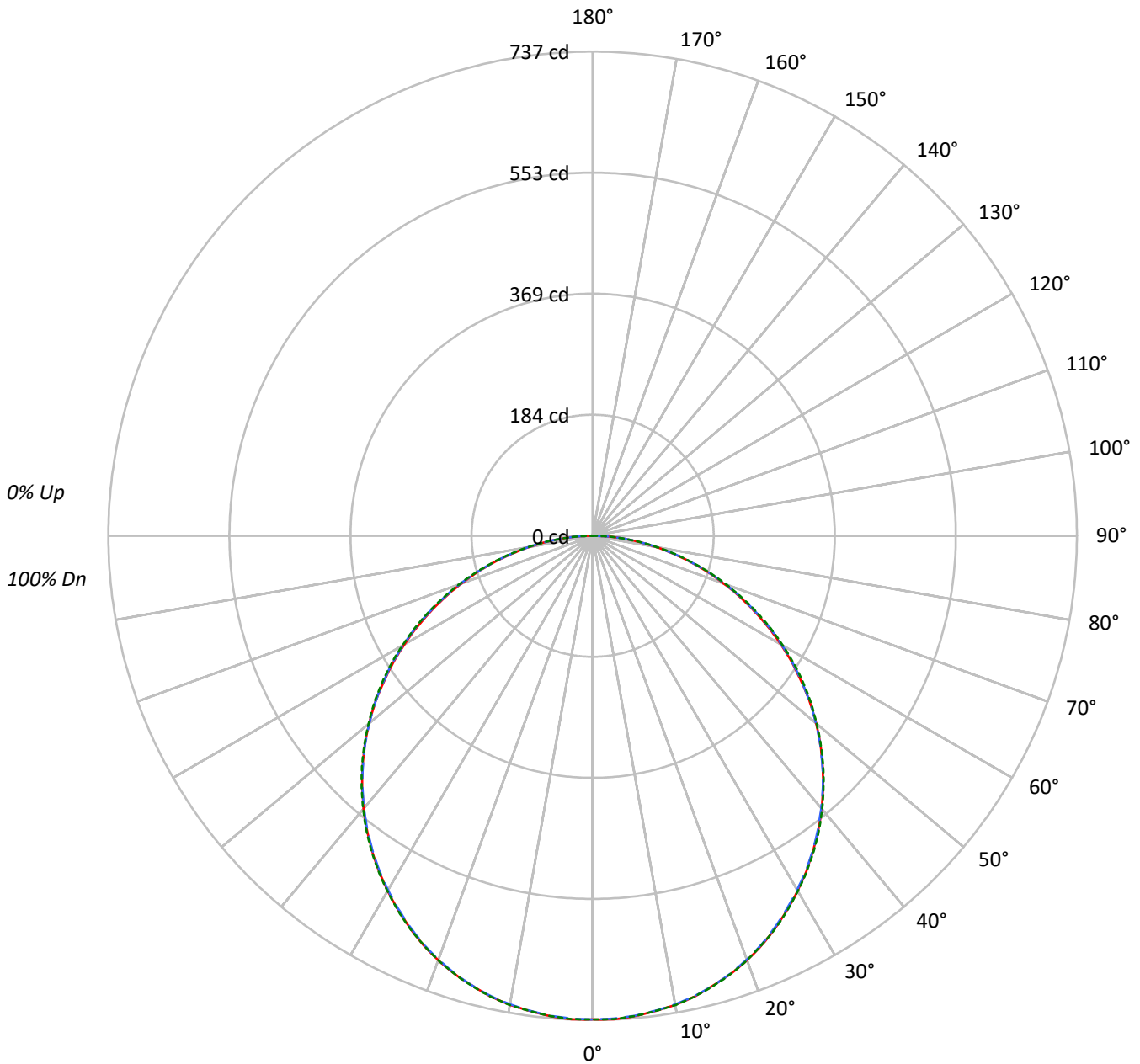
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2155.0 lumens
Efficiency: N/A
Efficacy: 112.2 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°	1981	1981	1981
5°	1983	1981	1982
10°	1981	1979	1982
15°	1975	1975	1977
20°	1969	1966	1969
25°	1955	1951	1956
30°	1939	1935	1941
35°	1922	1919	1926
40°	1905	1901	1909
45°	1883	1882	1889
50°	1858	1857	1863
55°	1821	1826	1838
60°	1781	1789	1801
65°	1729	1740	1754
70°	1669	1686	1700
75°	1602	1614	1632
80°	1506	1523	1536
85°	1371	1383	1405



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	3.2
10°-20°	200.1	9.3
20°-30°	303.1	14.1
30°-40°	366.1	17.0
40°-50°	382.0	17.7
50°-60°	348.4	16.2
60°-70°	270.8	12.6
70°-80°	164.3	7.6
80°-90°	50.6	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°	572.9	26.6
0°-40°	939.0	43.6
0°-60°	1669.4	77.5
0°-90°	2155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2155.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	736	736	736	736	736	
5°	734	733	733	733	734	70
15°	709	709	709	709	710	200
25°	658	657	657	658	659	303
35°	585	584	584	586	586	366
45°	495	494	494	497	496	382
55°	388	389	389	390	392	347
65°	272	272	273	274	276	269
75°	154	154	155	157	157	163
85°	44	45	45	46	46	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	736.3	736.3	736.3	736.3	736.3
2.5°	736.7	735.6	735.6	735.2	736.3
5°	734.1	733.0	733.4	733.0	733.8
7.5°	729.7	729.0	729.3	729.0	729.7
10°	724.9	724.2	724.2	724.2	725.3
12.5°	718.3	717.6	717.6	717.6	718.3
15°	708.8	708.8	708.8	708.8	709.5
17.5°	699.3	698.2	698.5	698.2	699.3
20°	687.5	686.1	686.4	686.4	687.5
22.5°	674.0	672.5	672.8	672.8	673.6
25°	658.5	657.1	657.1	658.2	658.9
27.5°	641.7	640.6	640.2	642.0	642.4
30°	624.1	623.3	622.6	624.4	624.8
32.5°	605.3	604.6	604.2	606.1	606.1
35°	585.2	584.4	584.1	586.3	586.3
37.5°	564.3	563.9	563.2	565.4	565.7
40°	542.2	541.5	541.1	543.3	543.3
42.5°	519.1	518.4	518.8	520.6	520.2
45°	494.9	494.5	494.5	496.7	496.4
47.5°	470.0	469.2	469.6	471.8	471.1
50°	443.9	443.2	443.6	445.8	445.0
52.5°	417.1	416.4	417.1	419.3	419.3
55°	388.2	388.9	389.3	390.4	391.8
57.5°	359.9	360.3	361.7	362.5	363.6
60°	330.9	331.7	332.4	333.9	334.6
62.5°	301.2	302.3	304.5	304.5	305.2
65°	271.5	272.2	273.3	274.4	275.5
67.5°	242.1	242.5	244.3	244.7	245.8
70°	212.1	212.4	214.3	214.6	216.1
72.5°	183.4	183.1	184.5	186.4	186.4
75°	154.1	153.7	155.2	156.7	157.0
77.5°	125.5	125.1	126.2	128.0	128.0
80°	97.2	98.0	98.3	99.8	99.1
82.5°	70.1	70.4	70.8	71.9	71.2
85°	44.4	44.8	44.8	45.9	45.5
87.5°	20.9	20.5	20.5	21.3	20.9
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)