

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: P568363

Luminaire Tested: **22CGTX-60HE-L935**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568363
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-60HE-L935
Description: 2X2 6000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

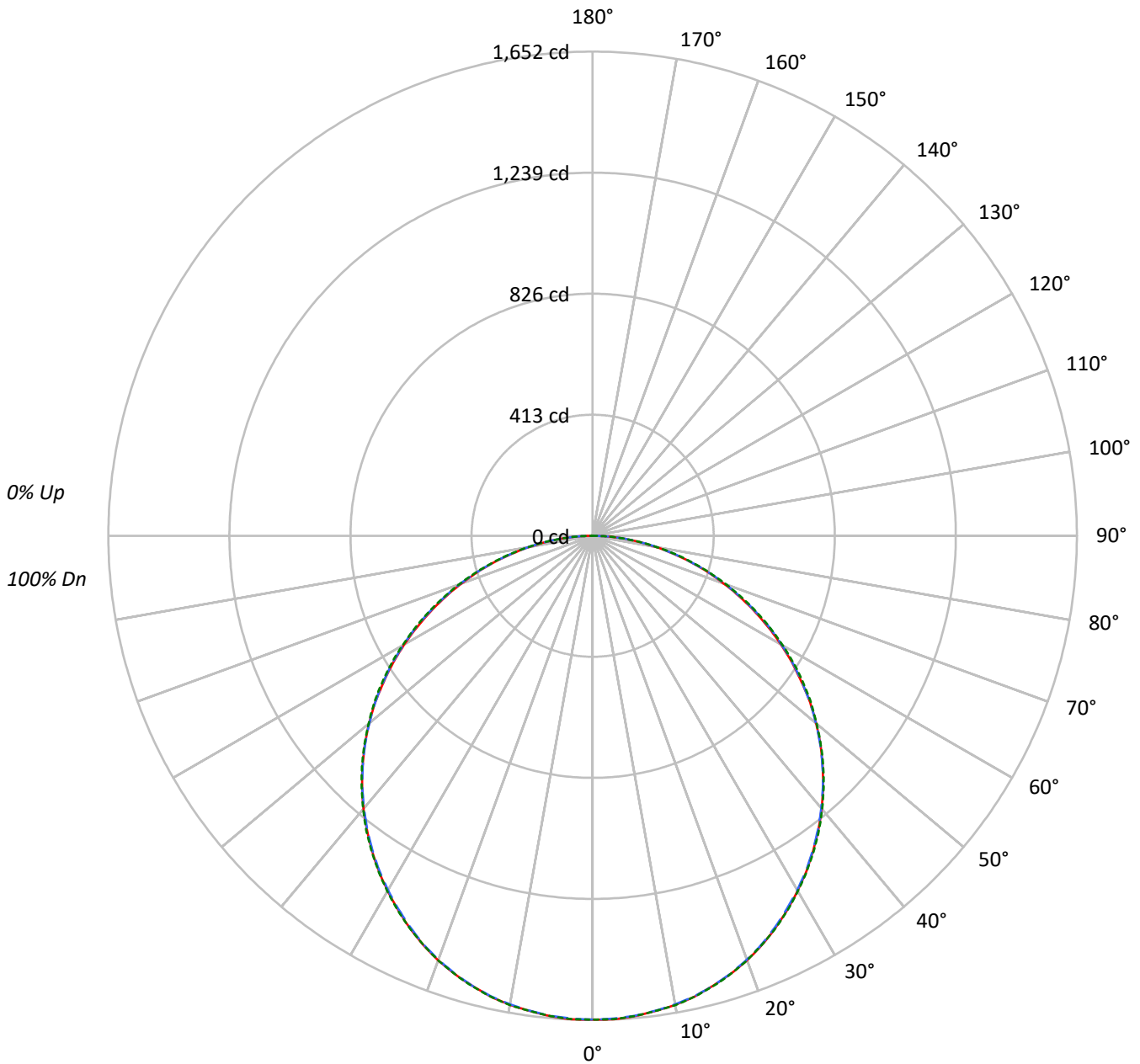
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4831.0 lumens
Efficiency: N/A
Efficacy: 101.9 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): 47.4
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

TEST NUMBER: P568363
CATALOG NUMBER: 22CGTX-60HE-L935

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	4442	4442	4442
5°	4445	4441	4443
10°	4441	4436	4443
15°	4427	4427	4431
20°	4414	4407	4414
25°	4383	4374	4386
30°	4347	4337	4352
35°	4309	4301	4318
40°	4270	4261	4279
45°	4222	4219	4235
50°	4166	4163	4176
55°	4083	4094	4121
60°	3992	4010	4037
65°	3875	3901	3933
70°	3740	3779	3811
75°	3591	3617	3660
80°	3377	3415	3442
85°	3072	3097	3149



TEST NUMBER: P568363

CATALOG NUMBER: 22CGTX-60HE-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.3	3.2
10°-20°	448.5	9.3
20°-30°	679.6	14.1
30°-40°	820.7	17.0
40°-50°	856.3	17.7
50°-60°	780.9	16.2
60°-70°	607.0	12.6
70°-80°	368.2	7.6
80°-90°	113.5	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°	1284.3	26.6
0°-40°	2105.1	43.6
0°-60°	3742.3	77.5
0°-90°	4831.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4831.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1651	1651	1651	1651	1651	
5°	1646	1643	1644	1643	1645	156
15°	1589	1589	1589	1589	1591	449
25°	1476	1473	1473	1476	1477	680
35°	1312	1310	1309	1314	1314	821
45°	1110	1109	1109	1114	1113	856
55°	870	872	873	875	878	778
65°	609	610	613	615	618	603
75°	345	345	348	351	352	365
85°	100	100	100	103	102	112
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1650.7	1650.7	1650.7	1650.7	1650.7
2.5°	1651.5	1649.0	1649.0	1648.2	1650.7
5°	1645.7	1643.3	1644.1	1643.3	1644.9
7.5°	1635.8	1634.2	1635.0	1634.2	1635.8
10°	1625.2	1623.5	1623.5	1623.5	1626.0
12.5°	1610.4	1608.7	1608.7	1608.7	1610.4
15°	1589.0	1589.0	1589.0	1589.0	1590.6
17.5°	1567.6	1565.1	1565.9	1565.1	1567.6
20°	1541.3	1538.0	1538.8	1538.8	1541.3
22.5°	1510.8	1507.5	1508.4	1508.4	1510.0
25°	1476.3	1473.0	1473.0	1475.5	1477.1
27.5°	1438.5	1436.0	1435.2	1439.3	1440.1
30°	1399.0	1397.3	1395.7	1399.8	1400.6
32.5°	1357.0	1355.4	1354.6	1358.7	1358.7
35°	1311.8	1310.2	1309.3	1314.3	1314.3
37.5°	1264.9	1264.1	1262.5	1267.4	1268.2
40°	1215.6	1213.9	1213.1	1218.0	1218.0
42.5°	1163.8	1162.1	1162.9	1167.1	1166.2
45°	1109.5	1108.7	1108.7	1113.6	1112.8
47.5°	1053.6	1051.9	1052.7	1057.7	1056.0
50°	995.2	993.5	994.3	999.3	997.6
52.5°	935.1	933.5	935.1	940.1	940.1
55°	870.2	871.8	872.6	875.1	878.4
57.5°	806.8	807.6	810.9	812.6	815.0
60°	741.8	743.5	745.1	748.4	750.1
62.5°	675.2	677.7	682.6	682.6	684.3
65°	608.6	610.3	612.7	615.2	617.7
67.5°	542.8	543.6	547.8	548.6	551.0
70°	475.4	476.2	480.3	481.1	484.4
72.5°	411.2	410.4	413.7	417.8	417.8
75°	345.4	344.6	347.9	351.2	352.0
77.5°	281.3	280.5	282.9	287.0	287.0
80°	217.9	219.6	220.4	223.7	222.1
82.5°	157.1	157.9	158.7	161.2	159.6
85°	99.5	100.3	100.3	102.8	102.0
87.5°	46.9	46.1	46.1	47.7	46.9
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)