

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: P568357

Luminaire Tested: **22CGTX-60HE-L835**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568357
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-L835
Description: 2X2 6000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

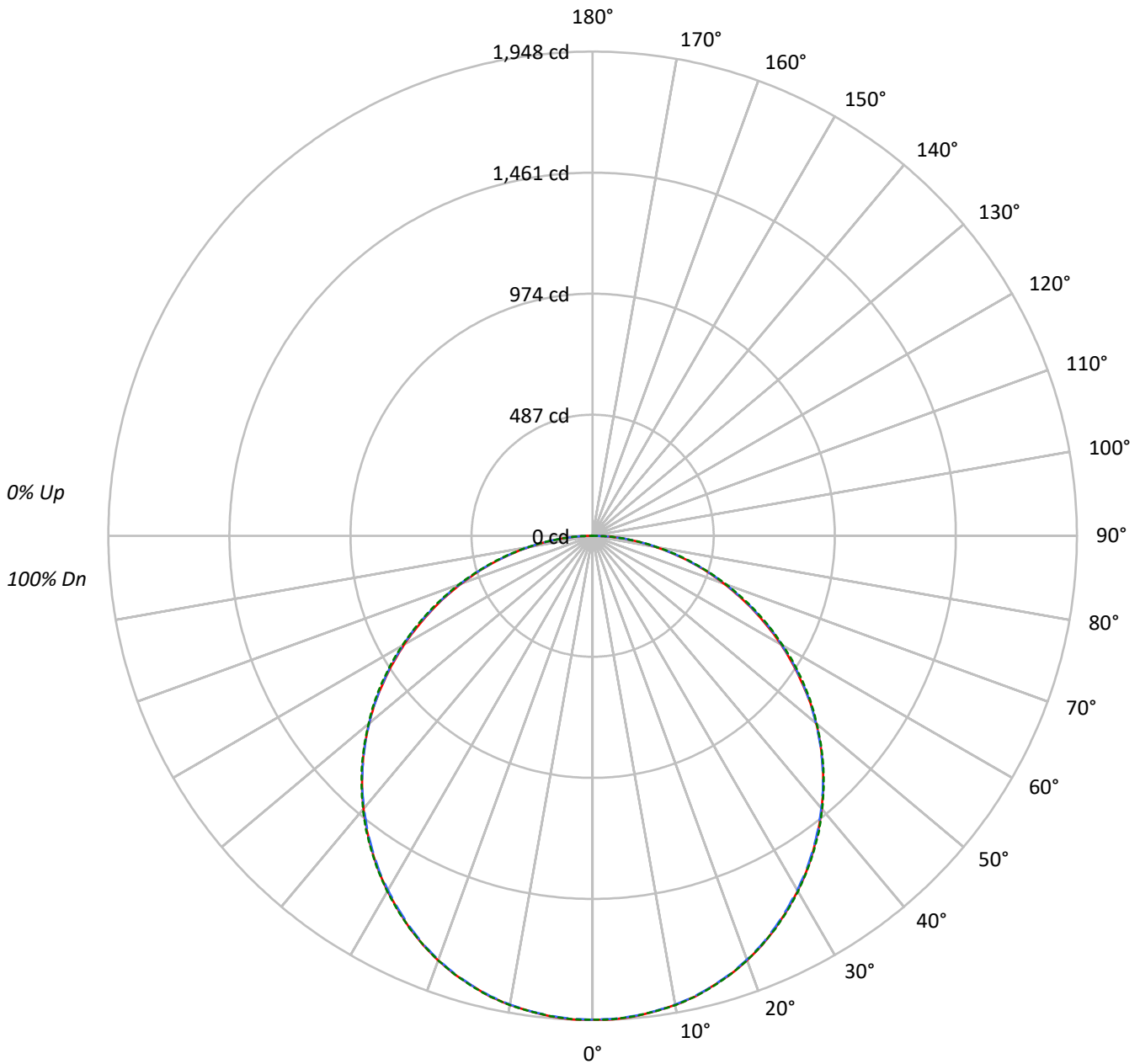
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5698.0 lumens
Efficiency: N/A
Efficacy: 120.2 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): 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

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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°	5239	5239	5239
5°	5243	5238	5241
10°	5238	5232	5240
15°	5221	5221	5227
20°	5206	5198	5206
25°	5170	5159	5173
30°	5127	5115	5133
35°	5083	5073	5092
40°	5036	5026	5047
45°	4980	4976	4995
50°	4914	4910	4926
55°	4815	4829	4860
60°	4709	4730	4761
65°	4571	4602	4639
70°	4412	4457	4496
75°	4236	4266	4317
80°	3984	4029	4059
85°	3625	3653	3714



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.3	3.2
10°-20°	529.0	9.3
20°-30°	801.5	14.1
30°-40°	968.0	17.0
40°-50°	1010.0	17.7
50°-60°	921.1	16.2
60°-70°	715.9	12.6
70°-80°	434.3	7.6
80°-90°	133.9	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°	1514.8	26.6
0°-40°	2482.9	43.6
0°-60°	4413.9	77.5
0°-90°	5698.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5698.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1947	1947	1947	1947	1947	
5°	1941	1938	1939	1938	1940	184
15°	1874	1874	1874	1874	1876	529
25°	1741	1737	1737	1740	1742	802
35°	1547	1545	1544	1550	1550	968
45°	1309	1308	1308	1313	1312	1009
55°	1026	1028	1029	1032	1036	918
65°	718	720	723	726	728	711
75°	407	406	410	414	415	431
85°	117	118	118	121	120	132
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1946.9	1946.9	1946.9	1946.9	1946.9
2.5°	1947.9	1945.0	1945.0	1944.0	1946.9
5°	1941.1	1938.2	1939.1	1938.2	1940.1
7.5°	1929.4	1927.5	1928.5	1927.5	1929.4
10°	1916.8	1914.9	1914.9	1914.9	1917.8
12.5°	1899.4	1897.4	1897.4	1897.4	1899.4
15°	1874.1	1874.1	1874.1	1874.1	1876.1
17.5°	1848.9	1846.0	1847.0	1846.0	1848.9
20°	1817.9	1814.0	1815.0	1815.0	1817.9
22.5°	1782.0	1778.1	1779.1	1779.1	1781.0
25°	1741.2	1737.4	1737.4	1740.3	1742.2
27.5°	1696.6	1693.7	1692.7	1697.6	1698.6
30°	1650.1	1648.1	1646.2	1651.0	1652.0
32.5°	1600.6	1598.6	1597.7	1602.5	1602.5
35°	1547.2	1545.3	1544.3	1550.1	1550.1
37.5°	1491.9	1491.0	1489.0	1494.8	1495.8
40°	1433.7	1431.8	1430.8	1436.6	1436.6
42.5°	1372.6	1370.7	1371.7	1376.5	1375.5
45°	1308.6	1307.6	1307.6	1313.4	1312.5
47.5°	1242.6	1240.7	1241.7	1247.5	1245.5
50°	1173.8	1171.8	1172.8	1178.6	1176.7
52.5°	1102.9	1101.0	1102.9	1108.8	1108.8
55°	1026.3	1028.3	1029.2	1032.1	1036.0
57.5°	951.6	952.6	956.5	958.4	961.3
60°	875.0	876.9	878.9	882.7	884.7
62.5°	796.4	799.3	805.1	805.1	807.1
65°	717.8	719.8	722.7	725.6	728.5
67.5°	640.2	641.2	646.1	647.0	649.9
70°	560.7	561.7	566.5	567.5	571.4
72.5°	485.0	484.1	487.9	492.8	492.8
75°	407.4	406.5	410.3	414.2	415.2
77.5°	331.8	330.8	333.7	338.5	338.5
80°	257.1	259.0	260.0	263.9	261.9
82.5°	185.3	186.2	187.2	190.1	188.2
85°	117.4	118.3	118.3	121.3	120.3
87.5°	55.3	54.3	54.3	56.3	55.3
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)