

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: P568511

Luminaire Tested: **24CGTX-35-L830**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568511
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CGTX-35-L830
Description: 2X4 3500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

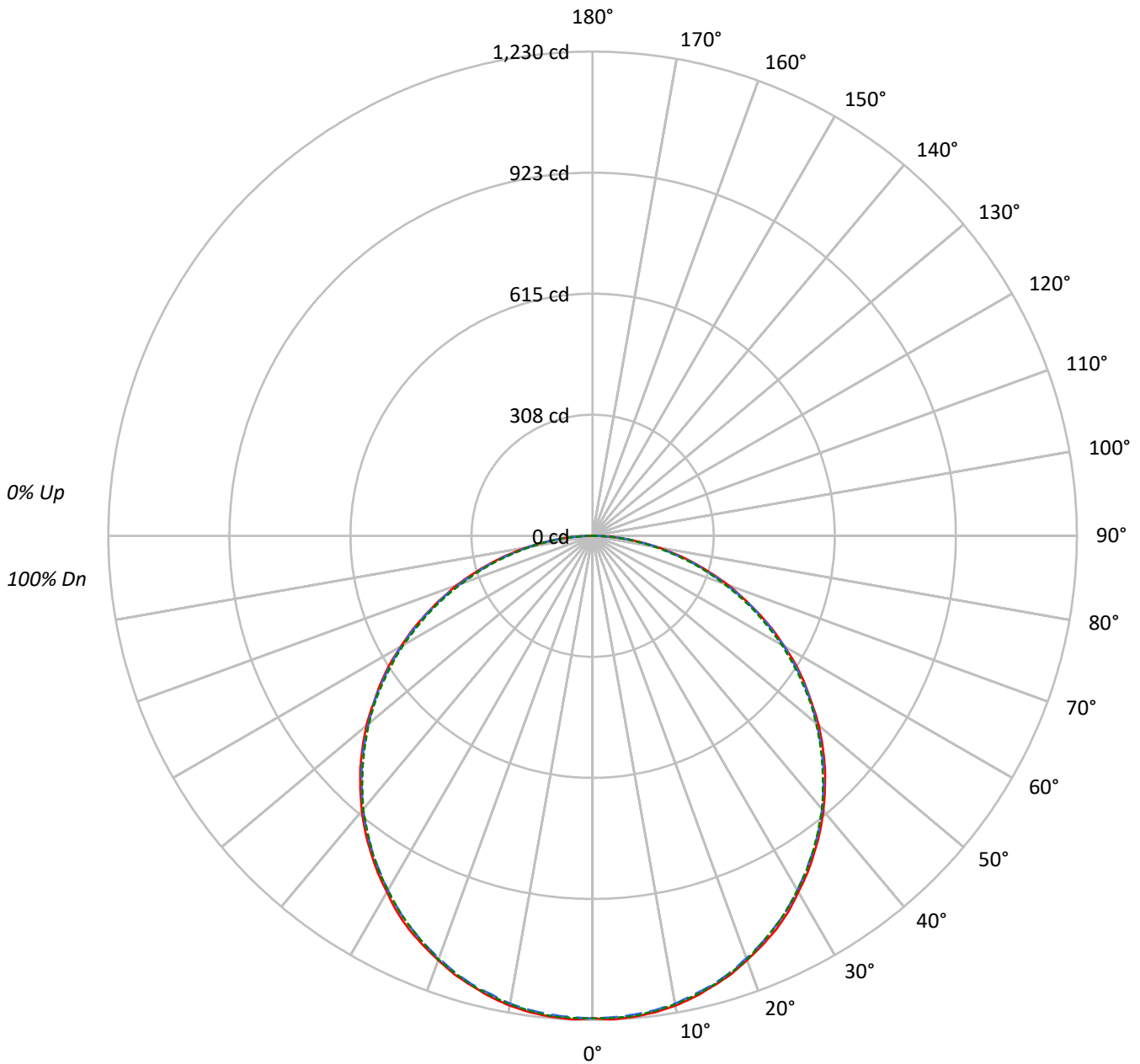
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3603.0 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.4
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	76	72	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	79	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	32																			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	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	38	31	26	37	30	26	37	30	25	36	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1650	1650	1650
5°	1656	1649	1654
10°	1656	1649	1651
15°	1649	1644	1647
20°	1642	1635	1640
25°	1638	1627	1627
30°	1624	1616	1616
35°	1613	1604	1604
40°	1601	1592	1592
45°	1588	1578	1571
50°	1570	1555	1552
55°	1545	1537	1525
60°	1513	1508	1494
65°	1477	1471	1449
70°	1444	1417	1389
75°	1388	1352	1324
80°	1306	1279	1225
85°	1193	1166	1112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.2	3.2
10°-20°	333.1	9.2
20°-30°	505.6	14.0
30°-40°	611.7	17.0
40°-50°	639.0	17.7
50°-60°	584.6	16.2
60°-70°	455.0	12.6
70°-80°	274.2	7.6
80°-90°	83.6	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°	954.9	26.5
0°-40°	1566.6	43.5
0°-60°	2790.2	77.4
0°-90°	3603.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3603.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1226	1226	1226	1226	1226	
5°	1226	1223	1221	1221	1224	117
15°	1184	1180	1180	1179	1182	334
25°	1103	1098	1096	1094	1096	508
35°	982	978	977	977	977	615
45°	834	829	829	826	826	643
55°	659	657	655	650	650	588
65°	464	464	462	455	455	460
75°	267	264	260	255	255	281
85°	77	76	76	72	72	86
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1226.1	1226.1	1226.1	1226.1	1226.1
2.5°	1229.7	1226.1	1224.4	1224.4	1226.1
5°	1226.1	1222.6	1220.9	1220.9	1224.4
7.5°	1220.9	1215.6	1215.6	1213.8	1217.4
10°	1212.1	1206.8	1206.8	1205.1	1208.6
12.5°	1199.8	1194.5	1192.8	1192.8	1196.3
15°	1184.0	1180.5	1180.5	1178.7	1182.2
17.5°	1168.2	1162.9	1162.9	1161.1	1164.7
20°	1147.1	1143.6	1141.8	1141.8	1145.3
22.5°	1126.0	1122.5	1120.7	1120.7	1120.7
25°	1103.2	1097.9	1096.1	1094.4	1096.1
27.5°	1076.8	1069.8	1069.8	1068.0	1069.8
30°	1045.2	1041.7	1039.9	1038.2	1039.9
32.5°	1015.3	1010.1	1008.3	1010.1	1010.1
35°	982.0	978.5	976.7	976.7	976.7
37.5°	948.6	943.3	943.3	941.6	941.6
40°	911.7	908.2	906.4	906.4	906.4
42.5°	873.1	869.5	867.8	866.0	866.0
45°	834.4	829.1	829.1	825.6	825.6
47.5°	792.2	788.7	787.0	783.5	783.5
50°	750.1	746.6	743.1	743.1	741.3
52.5°	702.7	702.7	700.9	697.4	697.4
55°	658.7	657.0	655.2	650.0	650.0
57.5°	613.1	611.3	607.8	602.5	602.5
60°	562.1	562.1	560.4	553.3	555.1
62.5°	514.7	512.9	511.2	505.9	504.2
65°	463.8	463.8	462.0	455.0	455.0
67.5°	414.6	414.6	411.1	404.0	404.0
70°	367.1	361.9	360.1	354.8	353.1
72.5°	314.4	312.7	309.2	303.9	303.9
75°	267.0	263.5	260.0	254.7	254.7
77.5°	216.1	212.6	209.0	207.3	203.8
80°	168.6	166.9	165.1	159.9	158.1
82.5°	121.2	119.5	117.7	115.9	114.2
85°	77.3	75.5	75.5	72.0	72.0
87.5°	33.4	35.1	31.6	33.4	31.6
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)