

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: P568561

Luminaire Tested: **24CGTX-35-L940**

Issue Date: 9/19/2022

**Test Information**

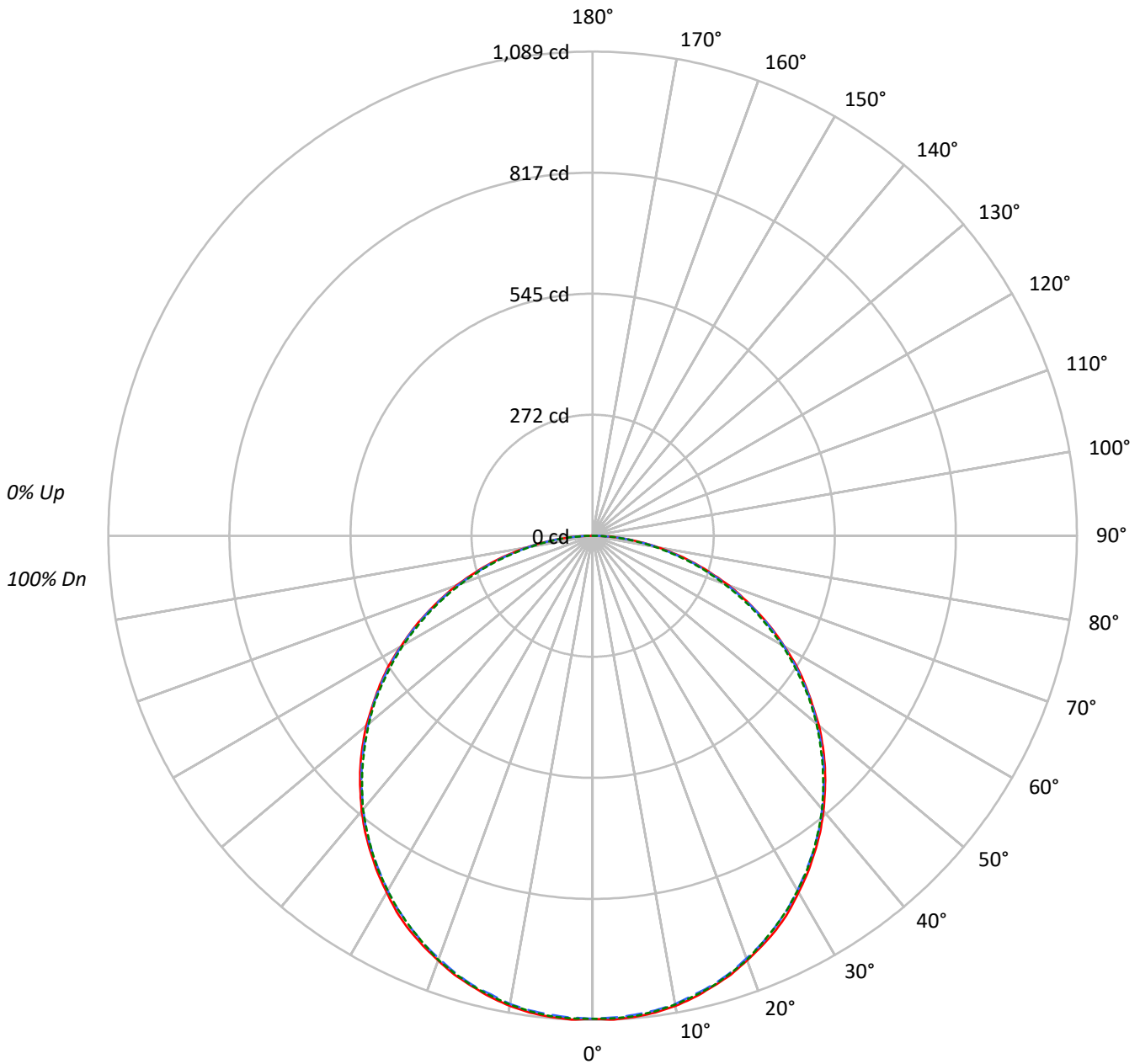
Test Method: LM-79-08  
Report Number: P568561  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-35-L940  
Description: 2X4 3500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3192.0 lumens  
Efficiency: N/A  
Efficacy: 112.4 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<sub>in</sub>): 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	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°	1462	1462	1462
5°	1467	1461	1465
10°	1467	1461	1463
15°	1461	1457	1459
20°	1455	1448	1453
25°	1451	1442	1442
30°	1439	1431	1431
35°	1429	1421	1421
40°	1419	1410	1410
45°	1407	1398	1392
50°	1391	1378	1375
55°	1369	1362	1351
60°	1340	1336	1323
65°	1308	1303	1283
70°	1280	1255	1231
75°	1230	1197	1173
80°	1158	1134	1086
85°	1057	1033	985



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.9	3.2
10°-20°	295.1	9.2
20°-30°	447.9	14.0
30°-40°	541.9	17.0
40°-50°	566.1	17.7
50°-60°	517.9	16.2
60°-70°	403.1	12.6
70°-80°	242.9	7.6
80°-90°	74.0	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°	846.0	26.5
0°-40°	1387.9	43.5
0°-60°	2471.9	77.4
0°-90°	3192.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3192.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1086	1086	1086	1086	1086	
5°	1086	1083	1082	1082	1085	103
15°	1049	1046	1046	1044	1047	296
25°	977	973	971	970	971	450
35°	870	867	865	865	865	545
45°	739	735	735	731	731	570
55°	584	582	580	576	576	521
65°	411	411	409	403	403	407
75°	237	233	230	226	226	249
85°	68	67	67	64	64	76
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1086.3	1086.3	1086.3	1086.3	1086.3
2.5°	1089.4	1086.3	1084.7	1084.7	1086.3
5°	1086.3	1083.2	1081.6	1081.6	1084.7
7.5°	1081.6	1076.9	1076.9	1075.4	1078.5
10°	1073.8	1069.2	1069.2	1067.6	1070.7
12.5°	1062.9	1058.3	1056.7	1056.7	1059.8
15°	1048.9	1045.8	1045.8	1044.3	1047.4
17.5°	1034.9	1030.2	1030.2	1028.7	1031.8
20°	1016.2	1013.1	1011.6	1011.6	1014.7
22.5°	997.6	994.5	992.9	992.9	992.9
25°	977.3	972.7	971.1	969.6	971.1
27.5°	954.0	947.8	947.8	946.2	947.8
30°	926.0	922.9	921.3	919.8	921.3
32.5°	899.5	894.9	893.3	894.9	894.9
35°	870.0	866.8	865.3	865.3	865.3
37.5°	840.4	835.7	835.7	834.2	834.2
40°	807.7	804.6	803.0	803.0	803.0
42.5°	773.5	770.4	768.8	767.2	767.2
45°	739.2	734.6	734.6	731.4	731.4
47.5°	701.9	698.8	697.2	694.1	694.1
50°	664.5	661.4	658.3	658.3	656.7
52.5°	622.5	622.5	620.9	617.8	617.8
55°	583.6	582.0	580.5	575.8	575.8
57.5°	543.1	541.6	538.5	533.8	533.8
60°	498.0	498.0	496.4	490.2	491.8
62.5°	456.0	454.4	452.9	448.2	446.6
65°	410.9	410.9	409.3	403.1	403.1
67.5°	367.3	367.3	364.2	357.9	357.9
70°	325.3	320.6	319.0	314.4	312.8
72.5°	278.6	277.0	273.9	269.2	269.2
75°	236.6	233.4	230.3	225.7	225.7
77.5°	191.4	188.3	185.2	183.6	180.5
80°	149.4	147.8	146.3	141.6	140.1
82.5°	107.4	105.8	104.3	102.7	101.2
85°	68.5	66.9	66.9	63.8	63.8
87.5°	29.6	31.1	28.0	29.6	28.0
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)