

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: P568467

Luminaire Tested: **24CGTX-35HE-L840**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568467
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-35HE-L840
Description: 2X4 3500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

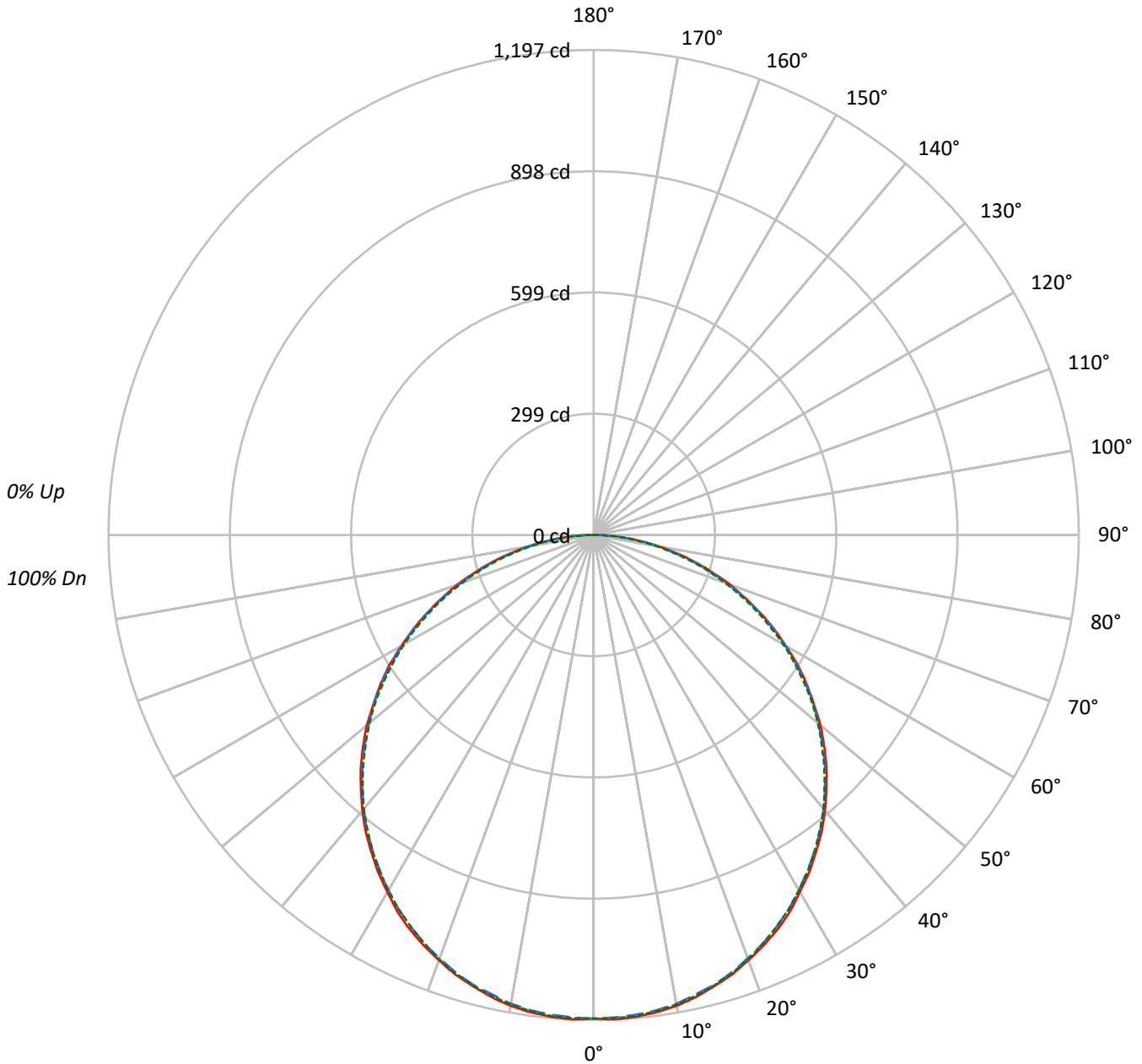
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3508.0 lumens
Efficiency: N/A
Efficacy: 133.9 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): 26.2
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									
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°	1606	1606	1606
5°	1612	1605	1610
10°	1612	1605	1608
15°	1606	1601	1603
20°	1599	1592	1597
25°	1595	1584	1584
30°	1581	1573	1573
35°	1570	1562	1562
40°	1559	1550	1550
45°	1546	1536	1530
50°	1529	1514	1511
55°	1505	1497	1484
60°	1473	1468	1454
65°	1437	1432	1410
70°	1406	1379	1352
75°	1352	1316	1289
80°	1272	1246	1192
85°	1162	1135	1082



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.1	3.2
10°-20°	324.4	9.2
20°-30°	492.2	14.0
30°-40°	595.6	17.0
40°-50°	622.2	17.7
50°-60°	569.1	16.2
60°-70°	443.0	12.6
70°-80°	267.0	7.6
80°-90°	81.4	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°	929.7	26.5
0°-40°	1525.3	43.5
0°-60°	2716.6	77.4
0°-90°	3508.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3508.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1194	1194	1194	1194	1194	
5°	1194	1190	1189	1189	1192	114
15°	1153	1149	1149	1148	1151	326
25°	1074	1069	1067	1066	1067	495
35°	956	953	951	951	951	598
45°	812	807	807	804	804	626
55°	641	640	638	633	633	573
65°	452	452	450	443	443	448
75°	260	256	253	248	248	274
85°	75	74	74	70	70	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1193.8	1193.8	1193.8	1193.8	1193.8
2.5°	1197.2	1193.8	1192.1	1192.1	1193.8
5°	1193.8	1190.4	1188.7	1188.7	1192.1
7.5°	1188.7	1183.5	1183.5	1181.8	1185.3
10°	1180.1	1175.0	1175.0	1173.3	1176.7
12.5°	1168.2	1163.0	1161.3	1161.3	1164.7
15°	1152.8	1149.3	1149.3	1147.6	1151.1
17.5°	1137.4	1132.2	1132.2	1130.5	1133.9
20°	1116.8	1113.4	1111.7	1111.7	1115.1
22.5°	1096.3	1092.9	1091.2	1091.2	1091.2
25°	1074.1	1069.0	1067.2	1065.5	1067.2
27.5°	1048.4	1041.6	1041.6	1039.9	1041.6
30°	1017.6	1014.2	1012.5	1010.8	1012.5
32.5°	988.6	983.4	981.7	983.4	983.4
35°	956.1	952.7	950.9	950.9	950.9
37.5°	923.6	918.4	918.4	916.7	916.7
40°	887.7	884.2	882.5	882.5	882.5
42.5°	850.0	846.6	844.9	843.2	843.2
45°	812.4	807.3	807.3	803.9	803.9
47.5°	771.4	767.9	766.2	762.8	762.8
50°	730.3	726.9	723.5	723.5	721.8
52.5°	684.1	684.1	682.4	679.0	679.0
55°	641.4	639.7	638.0	632.8	632.8
57.5°	596.9	595.2	591.8	586.6	586.6
60°	547.3	547.3	545.6	538.8	540.5
62.5°	501.1	499.4	497.7	492.6	490.9
65°	451.5	451.5	449.8	443.0	443.0
67.5°	403.6	403.6	400.2	393.4	393.4
70°	357.5	352.3	350.6	345.5	343.8
72.5°	306.1	304.4	301.0	295.9	295.9
75°	260.0	256.5	253.1	248.0	248.0
77.5°	210.4	207.0	203.5	201.8	198.4
80°	164.2	162.5	160.8	155.6	153.9
82.5°	118.0	116.3	114.6	112.9	111.2
85°	75.3	73.5	73.5	70.1	70.1
87.5°	32.5	34.2	30.8	32.5	30.8
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)