

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: P568445

Luminaire Tested: **24CGTX-35HE-L835**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568445
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-L835
Description: 2X4 3500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

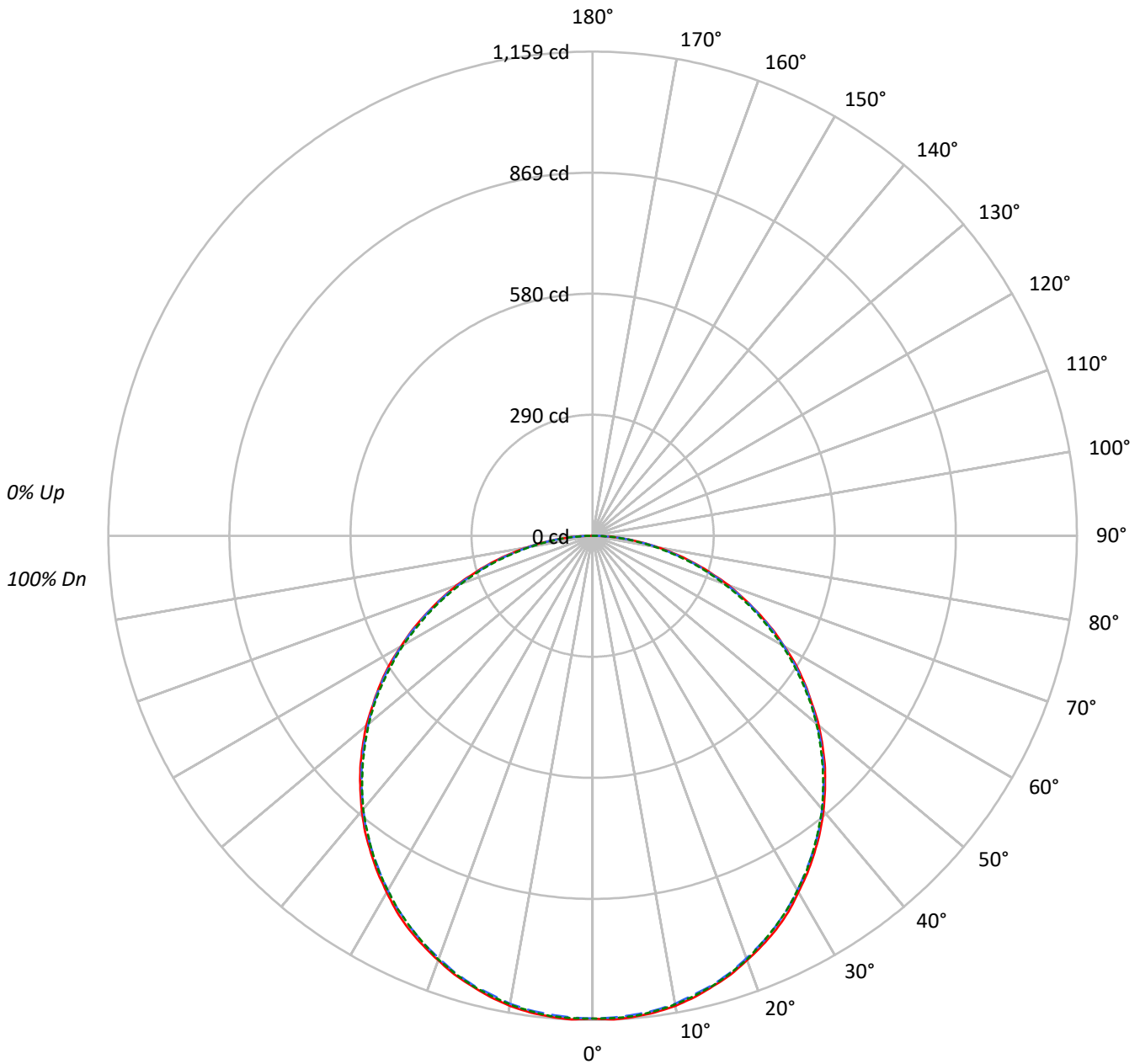
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3396.0 lumens
Efficiency: N/A
Efficacy: 129.6 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

TEST NUMBER: P568445
CATALOG NUMBER: 24CGTX-35HE-L835

Luminous Intensity Polar Plot





TEST NUMBER: P568445

CATALOG NUMBER: 24CGTX-35HE-L835

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°	1555	1555	1555
5°	1561	1554	1559
10°	1561	1554	1556
15°	1555	1550	1552
20°	1548	1541	1546
25°	1544	1534	1534
30°	1531	1523	1523
35°	1520	1512	1512
40°	1509	1501	1501
45°	1497	1487	1481
50°	1480	1466	1463
55°	1457	1449	1437
60°	1426	1421	1408
65°	1392	1387	1365
70°	1361	1335	1309
75°	1308	1274	1248
80°	1231	1206	1155
85°	1125	1099	1048



TEST NUMBER: P568445

CATALOG NUMBER: 24CGTX-35HE-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.5	3.2
10°-20°	314.0	9.2
20°-30°	476.5	14.0
30°-40°	576.6	17.0
40°-50°	602.3	17.7
50°-60°	551.0	16.2
60°-70°	428.8	12.6
70°-80°	258.5	7.6
80°-90°	78.8	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°	900.0	26.5
0°-40°	1476.6	43.5
0°-60°	2629.9	77.4
0°-90°	3396.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3396.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1156	1156	1156	1156	1156	
5°	1156	1152	1151	1151	1154	110
15°	1116	1113	1113	1111	1114	315
25°	1040	1035	1033	1032	1033	479
35°	926	922	921	921	921	579
45°	786	782	782	778	778	606
55°	621	619	618	613	613	555
65°	437	437	436	429	429	433
75°	252	248	245	240	240	265
85°	73	71	71	68	68	81
90°	0	0	0	0	0	



TEST NUMBER: P568445

CATALOG NUMBER: 24CGTX-35HE-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1155.7	1155.7	1155.7	1155.7	1155.7
2.5°	1159.0	1155.7	1154.0	1154.0	1155.7
5°	1155.7	1152.4	1150.7	1150.7	1154.0
7.5°	1150.7	1145.8	1145.8	1144.1	1147.4
10°	1142.5	1137.5	1137.5	1135.8	1139.1
12.5°	1130.9	1125.9	1124.2	1124.2	1127.5
15°	1116.0	1112.6	1112.6	1111.0	1114.3
17.5°	1101.1	1096.1	1096.1	1094.4	1097.7
20°	1081.2	1077.9	1076.2	1076.2	1079.5
22.5°	1061.3	1058.0	1056.4	1056.4	1056.4
25°	1039.8	1034.8	1033.2	1031.5	1033.2
27.5°	1015.0	1008.3	1008.3	1006.7	1008.3
30°	985.2	981.8	980.2	978.5	980.2
32.5°	957.0	952.0	950.4	952.0	952.0
35°	925.6	922.2	920.6	920.6	920.6
37.5°	894.1	889.1	889.1	887.5	887.5
40°	859.3	856.0	854.4	854.4	854.4
42.5°	822.9	819.6	817.9	816.3	816.3
45°	786.5	781.5	781.5	778.2	778.2
47.5°	746.7	743.4	741.8	738.5	738.5
50°	707.0	703.7	700.4	700.4	698.7
52.5°	662.3	662.3	660.6	657.3	657.3
55°	620.9	619.2	617.6	612.6	612.6
57.5°	577.8	576.2	572.9	567.9	567.9
60°	529.8	529.8	528.2	521.6	523.2
62.5°	485.1	483.5	481.8	476.8	475.2
65°	437.1	437.1	435.5	428.8	428.8
67.5°	390.8	390.8	387.4	380.8	380.8
70°	346.0	341.1	339.4	334.5	332.8
72.5°	296.4	294.7	291.4	286.4	286.4
75°	251.7	248.4	245.0	240.1	240.1
77.5°	203.7	200.3	197.0	195.4	192.1
80°	158.9	157.3	155.6	150.7	149.0
82.5°	114.2	112.6	110.9	109.3	107.6
85°	72.9	71.2	71.2	67.9	67.9
87.5°	31.5	33.1	29.8	31.5	29.8
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)