

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: P568489

Luminaire Tested: **24CGTX-35HE-L850**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568489
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-L850
Description: 2X4 3500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

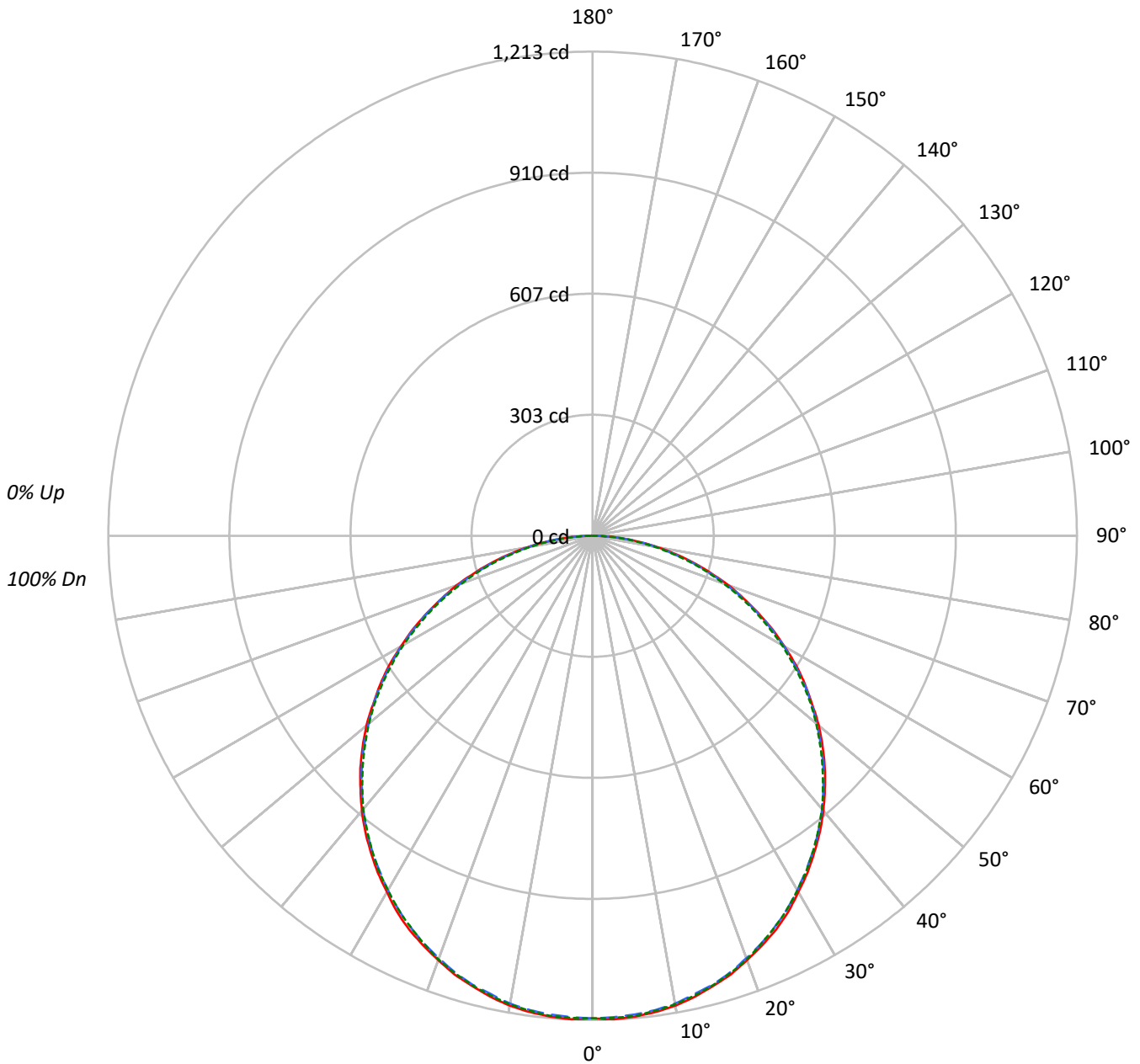
Lumens per Lamp: N/A
Luminaire Lumens: 3553.0 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P568489

CATALOG NUMBER: 24CGTX-35HE-L850

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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°	1627	1627	1627
5°	1633	1626	1631
10°	1633	1626	1628
15°	1626	1622	1624
20°	1620	1612	1617
25°	1615	1605	1605
30°	1601	1593	1593
35°	1590	1582	1582
40°	1579	1570	1570
45°	1566	1556	1549
50°	1548	1534	1530
55°	1524	1516	1503
60°	1492	1487	1473
65°	1456	1450	1429
70°	1424	1397	1370
75°	1369	1333	1306
80°	1289	1261	1208
85°	1176	1150	1096



TEST NUMBER: P568489

CATALOG NUMBER: 24CGTX-35HE-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.6	3.2
10°-20°	328.5	9.2
20°-30°	498.6	14.0
30°-40°	603.2	17.0
40°-50°	630.2	17.7
50°-60°	576.4	16.2
60°-70°	448.7	12.6
70°-80°	270.4	7.6
80°-90°	82.4	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°	941.7	26.5
0°-40°	1544.9	43.5
0°-60°	2751.5	77.4
0°-90°	3553.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3553.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1209	1209	1209	1209	1209	
5°	1209	1206	1204	1204	1207	115
15°	1168	1164	1164	1162	1166	330
25°	1088	1083	1081	1079	1081	501
35°	968	965	963	963	963	606
45°	823	818	818	814	814	634
55°	650	648	646	641	641	580
65°	457	457	456	449	449	453
75°	263	260	256	251	251	277
85°	76	74	74	71	71	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1209.1	1209.1	1209.1	1209.1	1209.1
2.5°	1212.6	1209.1	1207.4	1207.4	1209.1
5°	1209.1	1205.7	1203.9	1203.9	1207.4
7.5°	1203.9	1198.7	1198.7	1197.0	1200.5
10°	1195.3	1190.1	1190.1	1188.3	1191.8
12.5°	1183.1	1177.9	1176.2	1176.2	1179.7
15°	1167.6	1164.1	1164.1	1162.4	1165.8
17.5°	1152.0	1146.8	1146.8	1145.0	1148.5
20°	1131.2	1127.7	1126.0	1126.0	1129.4
22.5°	1110.4	1106.9	1105.2	1105.2	1105.2
25°	1087.9	1082.7	1080.9	1079.2	1080.9
27.5°	1061.9	1055.0	1055.0	1053.2	1055.0
30°	1030.7	1027.2	1025.5	1023.8	1025.5
32.5°	1001.3	996.1	994.3	996.1	996.1
35°	968.3	964.9	963.1	963.1	963.1
37.5°	935.4	930.2	930.2	928.5	928.5
40°	899.0	895.6	893.9	893.9	893.9
42.5°	860.9	857.5	855.7	854.0	854.0
45°	822.8	817.6	817.6	814.2	814.2
47.5°	781.3	777.8	776.1	772.6	772.6
50°	739.7	736.2	732.8	732.8	731.0
52.5°	692.9	692.9	691.2	687.7	687.7
55°	649.6	647.9	646.1	640.9	640.9
57.5°	604.6	602.8	599.4	594.2	594.2
60°	554.3	554.3	552.6	545.7	547.4
62.5°	507.6	505.8	504.1	498.9	497.2
65°	457.3	457.3	455.6	448.7	448.7
67.5°	408.8	408.8	405.4	398.4	398.4
70°	362.0	356.8	355.1	349.9	348.2
72.5°	310.1	308.3	304.9	299.7	299.7
75°	263.3	259.8	256.4	251.2	251.2
77.5°	213.1	209.6	206.1	204.4	200.9
80°	166.3	164.6	162.8	157.6	155.9
82.5°	119.5	117.8	116.1	114.3	112.6
85°	76.2	74.5	74.5	71.0	71.0
87.5°	32.9	34.6	31.2	32.9	31.2
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)