

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: McGRAW-EDISON

Report Number: P939587

Luminaire Tested: **GALN-SB2B-730-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2B-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11269 lumens
Efficiency: N/A
Efficacy: 152.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): 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: 24 FT

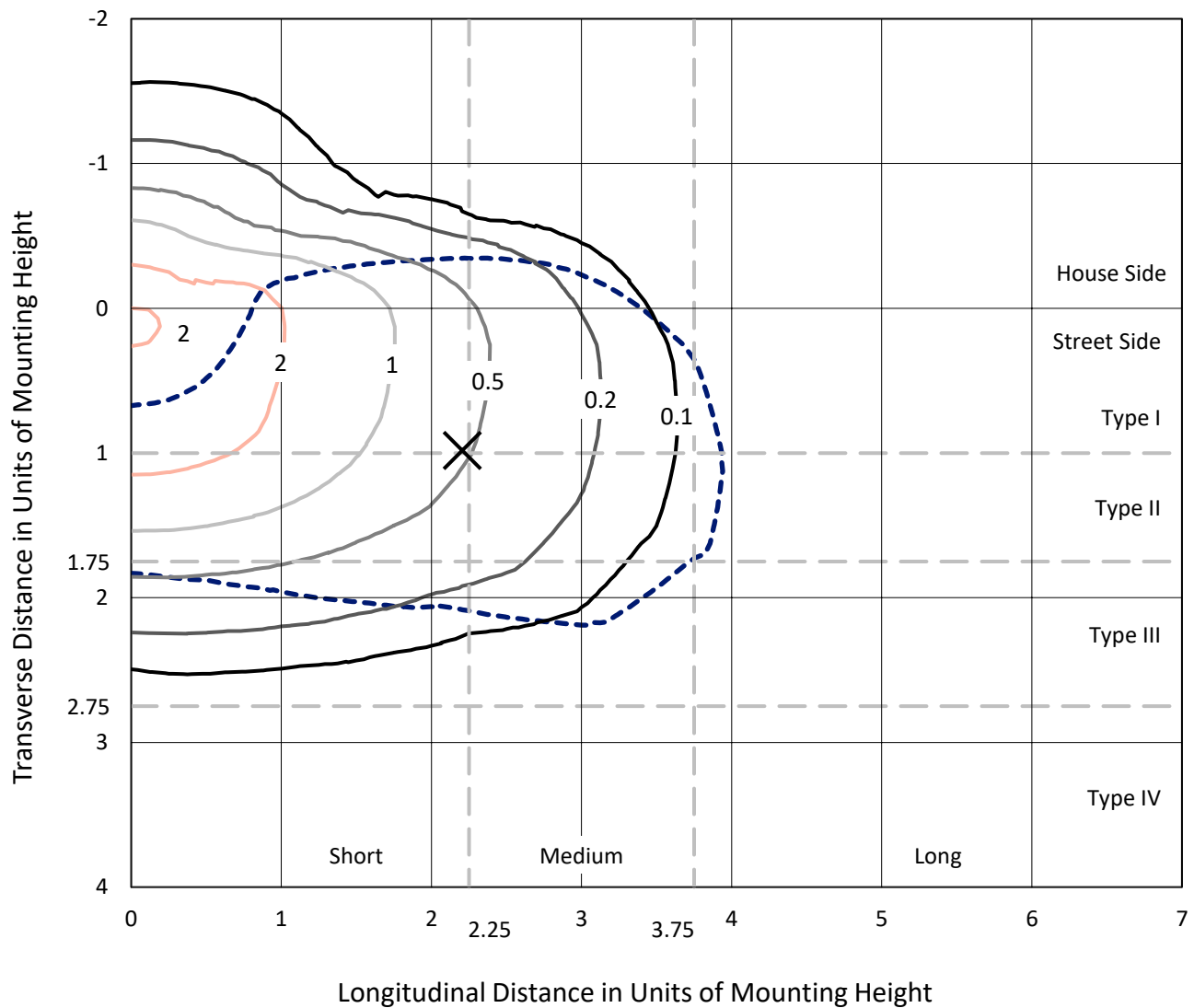


REPORT NUMBER: P939587

CATALOG NUMBER: GALN-SB2B-730-U-T3

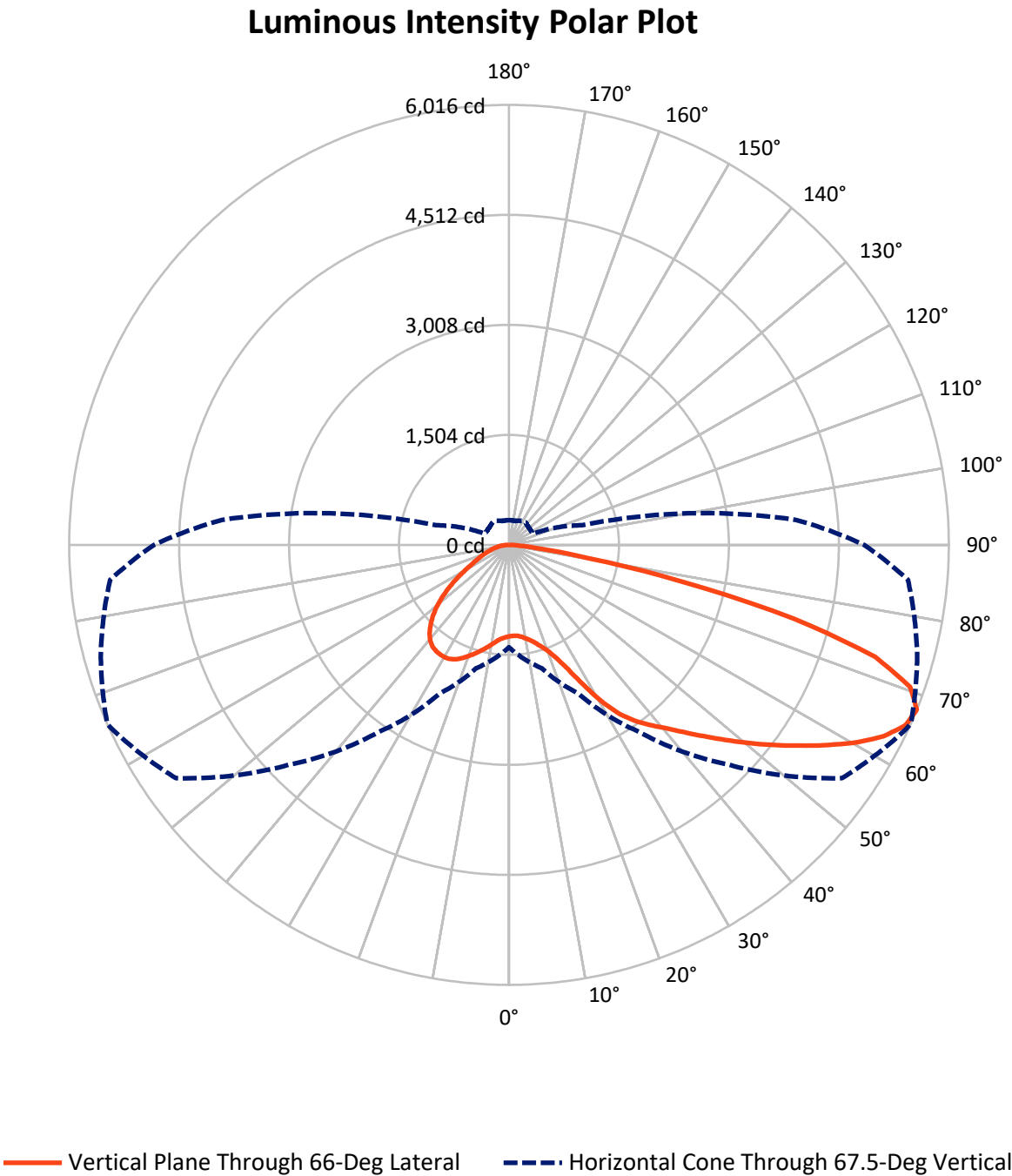
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
Type III - Short - N/A

REPORT NUMBER: P939587
CATALOG NUMBER: GALN-SB2B-730-U-T3



REPORT NUMBER: P939587

CATALOG NUMBER: GALN-SB2B-730-U-T3

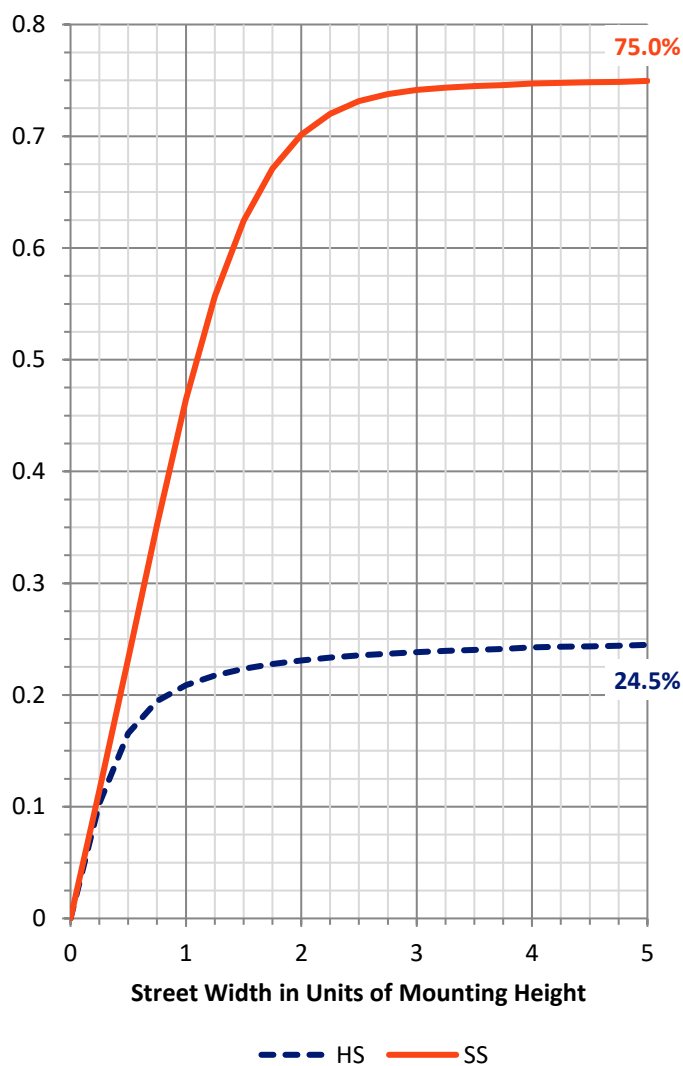
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2802.0	0.0	2802.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	8467.0	0.0	8467.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	11269.0	0.0	11269.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.9	1.1
10°-20°	409.4	3.6
20°-30°	789.1	7.0
30°-40°	1383.6	12.3
40°-50°	2057.0	18.3
50°-60°	2607.5	23.1
60°-70°	2551.3	22.6
70°-80°	1217.0	10.8
80°-90°	130.1	1.2
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°-90°	11269.0	100.0
0°-180°	11269.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939587

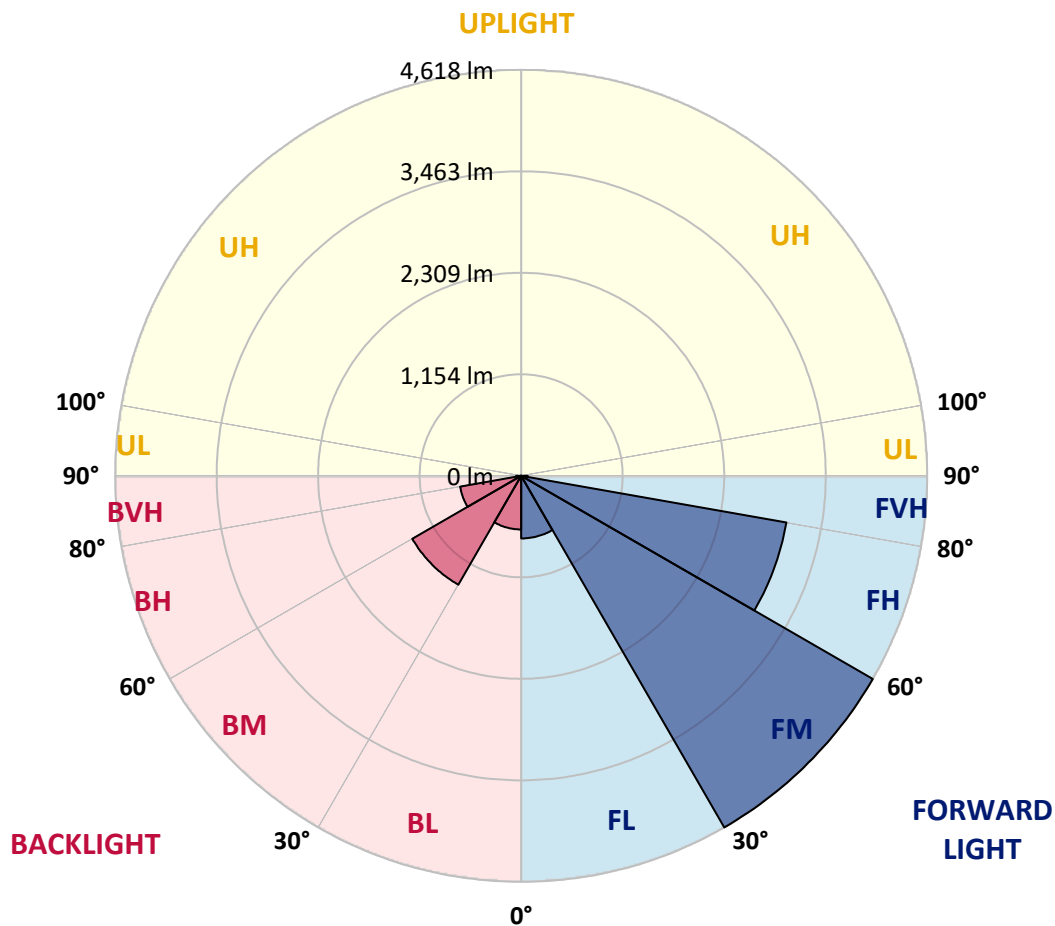
CATALOG NUMBER: GALN-SB2B-730-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	712.1	6.3			
FM	(30°-60°)	4617.9	41.0			
FH	(60°-80°)	3063.2	27.2			G2/5000
FVH	(80°-90°)	73.7	0.7			G1/100
BL	(0°-30°)	610.4	5.4	B2/1000		
BM	(30°-60°)	1430.2	12.7	B2/2500		
BH	(60°-80°)	705.1	6.3	B2/1000		G2/1000
BVH	(80°-90°)	56.3	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



REPORT NUMBER: P939587

CATALOG NUMBER: GALN-SB2B-730-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1249.9	1249.9	1249.9	1249.9	1249.9	1249.9	1249.9	1249.9	1249.9	1249.9	1249.9
2.5°	1236.9	1244.0	1242.2	1239.2	1238.6	1239.8	1241.6	1243.4	1242.8	1245.7	1250.5
5°	1233.3	1240.4	1239.8	1239.8	1242.2	1246.9	1249.9	1252.8	1249.9	1253.4	1259.9
7.5°	1235.7	1241.0	1243.4	1245.7	1251.7	1260.5	1267.6	1274.2	1270.6	1274.7	1283.0
10°	1265.9	1270.0	1272.4	1272.4	1276.5	1286.6	1293.7	1305.5	1302.6	1309.1	1319.7
12.5°	1320.9	1325.1	1325.1	1322.7	1325.7	1332.2	1334.5	1347.6	1342.2	1352.9	1363.6
15°	1388.4	1396.7	1390.2	1386.1	1387.2	1393.8	1393.2	1403.2	1397.9	1406.8	1416.3
17.5°	1463.0	1473.7	1463.0	1462.4	1460.1	1467.2	1467.8	1476.6	1467.2	1473.7	1480.2
20°	1551.2	1566.1	1557.2	1560.1	1554.8	1557.8	1560.7	1573.7	1558.9	1563.7	1561.9
22.5°	1675.6	1693.3	1683.9	1695.1	1691.6	1689.2	1688.6	1711.7	1688.6	1690.4	1673.2
25°	1856.8	1878.1	1861.5	1876.9	1876.9	1884.6	1893.5	1923.1	1884.6	1873.3	1828.9
27.5°	2124.4	2145.7	2113.1	2122.6	2119.6	2138.6	2129.1	2202.5	2161.1	2142.7	2053.3
30°	2446.5	2484.4	2422.8	2420.4	2417.5	2447.7	2461.3	2509.8	2467.8	2449.4	2341.7
32.5°	2794.6	2834.3	2760.9	2739.6	2728.3	2746.7	2735.4	2774.5	2745.5	2717.1	2583.8
35°	3162.9	3202.0	3132.1	3090.7	3045.7	3007.2	2966.9	2977.0	2949.7	2906.5	2768.6
37.5°	3511.0	3582.7	3508.7	3464.3	3381.4	3306.2	3193.7	3146.9	3121.4	3081.8	2942.6
40°	3865.7	3906.5	3850.3	3812.4	3722.4	3604.6	3424.6	3325.7	3291.4	3252.9	3135.1
42.5°	4126.8	4165.9	4135.7	4109.6	4039.2	3902.4	3669.7	3546.0	3496.2	3453.0	3352.9
45°	4334.0	4363.0	4344.1	4353.6	4323.4	4190.7	3923.7	3782.2	3730.7	3678.0	3599.3
47.5°	4417.5	4448.3	4478.5	4534.7	4586.3	4488.6	4196.7	4038.0	3983.5	3929.6	3852.1
50°	4408.0	4439.4	4527.0	4646.6	4806.5	4773.9	4484.4	4310.3	4260.0	4198.4	4126.8
52.5°	4332.2	4367.8	4480.3	4679.2	4933.8	4987.7	4777.5	4591.6	4544.2	4470.8	4399.2
55°	4133.3	4154.6	4323.4	4605.2	4964.0	5136.9	5064.7	4891.2	4843.8	4741.4	4663.2
57.5°	3764.4	3795.2	4040.9	4405.7	4888.2	5238.1	5316.9	5206.2	5160.6	5013.1	4931.4
60°	3283.1	3332.2	3613.5	4070.6	4695.2	5237.5	5546.0	5515.8	5477.9	5280.8	5195.5
62.5°	2738.4	2795.2	3065.8	3596.9	4357.7	5088.9	5689.3	5775.1	5755.6	5527.7	5418.7
65°	2103.1	2142.1	2411.5	2984.1	3832.5	4769.8	5705.9	5952.2	5955.7	5715.3	5535.4
67.5°	1400.3	1512.8	1746.6	2239.2	3129.1	4248.2	5560.2	5981.2	6015.5	5779.9	5476.7
70°	683.3	831.3	1060.4	1455.3	2239.2	3448.3	5179.5	5743.2	5819.6	5591.6	5127.4
72.5°	283.6	331.6	456.5	718.2	1285.4	2326.9	4414.5	5097.8	5239.3	4954.5	4310.9
75°	191.2	207.2	261.1	368.3	585.6	1147.5	3183.6	3801.2	4029.1	3741.9	3058.7
77.5°	147.4	157.5	190.1	257.6	348.1	434.0	1704.0	2290.8	2408.6	2229.8	1591.5
80°	116.0	123.7	142.1	187.7	246.9	232.1	580.8	1037.9	1106.0	927.8	511.6
82.5°	100.7	103.6	101.8	127.3	164.0	135.6	190.6	383.1	422.7	306.7	167.0
85°	72.8	81.1	84.7	78.7	87.0	68.7	78.2	135.6	149.2	133.2	94.1
87.5°	29.6	43.8	53.9	50.9	32.0	19.5	24.3	39.7	45.6	49.7	30.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P939587

CATALOG NUMBER: GALN-SB2B-730-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1249.9	1249.9	1249.9	1249.9	1249.9	1249.9	1249.9	1249.9	1249.9	1249.9	1249.9
2.5°	1251.1	1255.2	1258.2	1261.7	1264.1	1267.6	1274.7	1278.9	1279.5	1282.4	1281.9
5°	1262.3	1268.2	1274.7	1284.2	1294.9	1303.8	1317.4	1326.9	1330.4	1333.4	1332.8
7.5°	1286.6	1294.9	1306.7	1323.3	1338.7	1350.5	1367.1	1378.4	1389.6	1393.8	1394.3
10°	1322.7	1334.5	1351.7	1374.2	1390.8	1406.2	1423.4	1432.8	1444.1	1448.8	1451.2
12.5°	1367.7	1380.1	1402.6	1434.0	1449.4	1460.1	1466.0	1463.6	1466.0	1470.1	1471.3
15°	1419.2	1432.8	1458.3	1492.0	1502.7	1493.2	1480.2	1468.4	1466.6	1467.8	1471.9
17.5°	1480.2	1490.3	1519.9	1548.3	1540.6	1501.5	1473.1	1454.1	1444.7	1441.7	1445.9
20°	1565.5	1565.5	1589.7	1607.5	1556.0	1489.7	1445.3	1414.5	1394.9	1386.7	1384.9
22.5°	1669.1	1659.6	1675.0	1662.6	1553.0	1456.5	1394.9	1341.7	1312.0	1300.2	1298.4
25°	1800.5	1789.3	1785.1	1708.2	1531.7	1403.8	1303.8	1239.2	1213.2	1206.7	1207.8
27.5°	1998.9	1970.4	1916.6	1733.0	1492.6	1320.9	1197.2	1137.4	1122.6	1123.2	1125.0
30°	2262.9	2206.1	2074.1	1737.2	1428.7	1203.7	1088.2	1045.6	1038.5	1041.5	1051.5
32.5°	2507.5	2453.6	2235.1	1718.2	1330.4	1088.8	990.5	962.1	951.5	955.0	959.8
35°	2699.3	2684.5	2384.3	1691.6	1209.6	981.1	902.9	878.6	857.9	853.2	856.7
37.5°	2880.5	2874.5	2496.2	1654.3	1090.0	904.7	832.5	800.5	770.3	753.7	754.3
40°	3079.4	3073.5	2569.6	1596.8	984.0	838.4	769.1	727.1	689.8	659.6	662.5
42.5°	3303.2	3268.3	2604.6	1514.5	894.0	782.1	717.6	660.8	611.6	583.8	585.6
45°	3547.7	3469.0	2604.0	1409.7	818.3	730.6	662.5	582.0	536.4	510.4	509.2
47.5°	3807.1	3660.8	2572.0	1293.7	744.8	673.8	577.3	515.7	485.5	469.5	466.0
50°	4074.7	3840.2	2517.5	1160.5	669.6	609.3	524.0	482.0	458.9	444.1	438.7
52.5°	4326.3	4003.1	2451.8	1009.5	593.3	546.5	500.3	467.7	443.5	426.9	419.8
55°	4560.2	4143.4	2358.8	855.0	531.1	504.5	489.1	461.8	434.0	414.5	406.8
57.5°	4768.0	4234.6	2198.4	709.9	486.7	475.4	477.2	451.8	419.8	403.2	392.5
60°	4940.9	4301.5	1961.0	575.5	450.6	447.0	458.9	432.8	395.5	376.6	368.3
62.5°	5044.5	4300.3	1669.7	471.3	419.8	421.0	434.6	409.1	371.2	353.5	348.1
65°	5035.6	4194.9	1349.9	403.2	390.2	391.4	409.1	383.1	351.1	340.4	339.9
67.5°	4857.4	3937.9	1035.5	358.8	357.6	362.9	383.7	365.3	338.7	337.5	339.3
70°	4374.9	3404.5	746.0	323.3	323.9	331.6	358.8	354.1	332.2	334.5	333.9
72.5°	3508.1	2595.7	500.9	286.0	286.6	299.0	335.1	345.2	325.6	357.0	361.8
75°	2336.3	1618.7	322.1	246.3	246.9	262.9	314.4	328.0	307.9	355.8	358.8
77.5°	1122.6	727.7	233.3	207.2	207.2	222.0	271.8	293.7	262.3	276.5	253.4
80°	387.8	273.5	183.5	167.0	163.4	173.5	229.1	254.6	226.2	208.4	195.4
82.5°	152.8	142.1	147.4	129.7	117.8	124.3	178.2	210.2	166.4	150.4	149.8
85°	87.6	92.4	104.2	85.9	68.1	76.4	130.8	151.0	125.5	110.7	113.1
87.5°	23.7	32.6	48.0	44.4	30.8	32.6	62.2	83.5	72.2	55.7	57.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)