

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: P948456

Luminaire Tested: **GALN-SB3C-730-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948456
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-730-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22887 lumens
Efficiency: N/A
Efficacy: 153.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 149.1
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



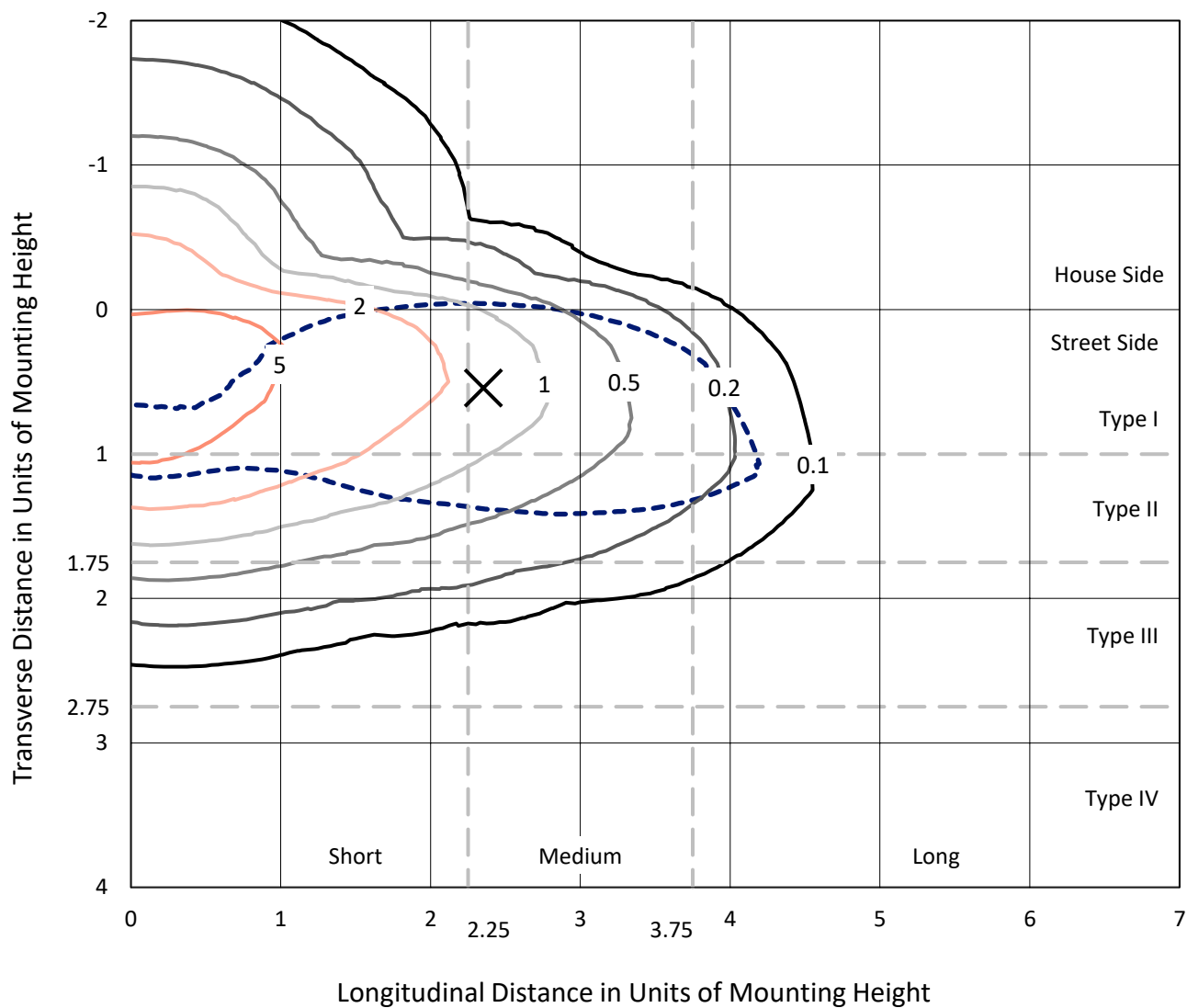
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Iso-Footcandle Lines of Horizontal Illumination

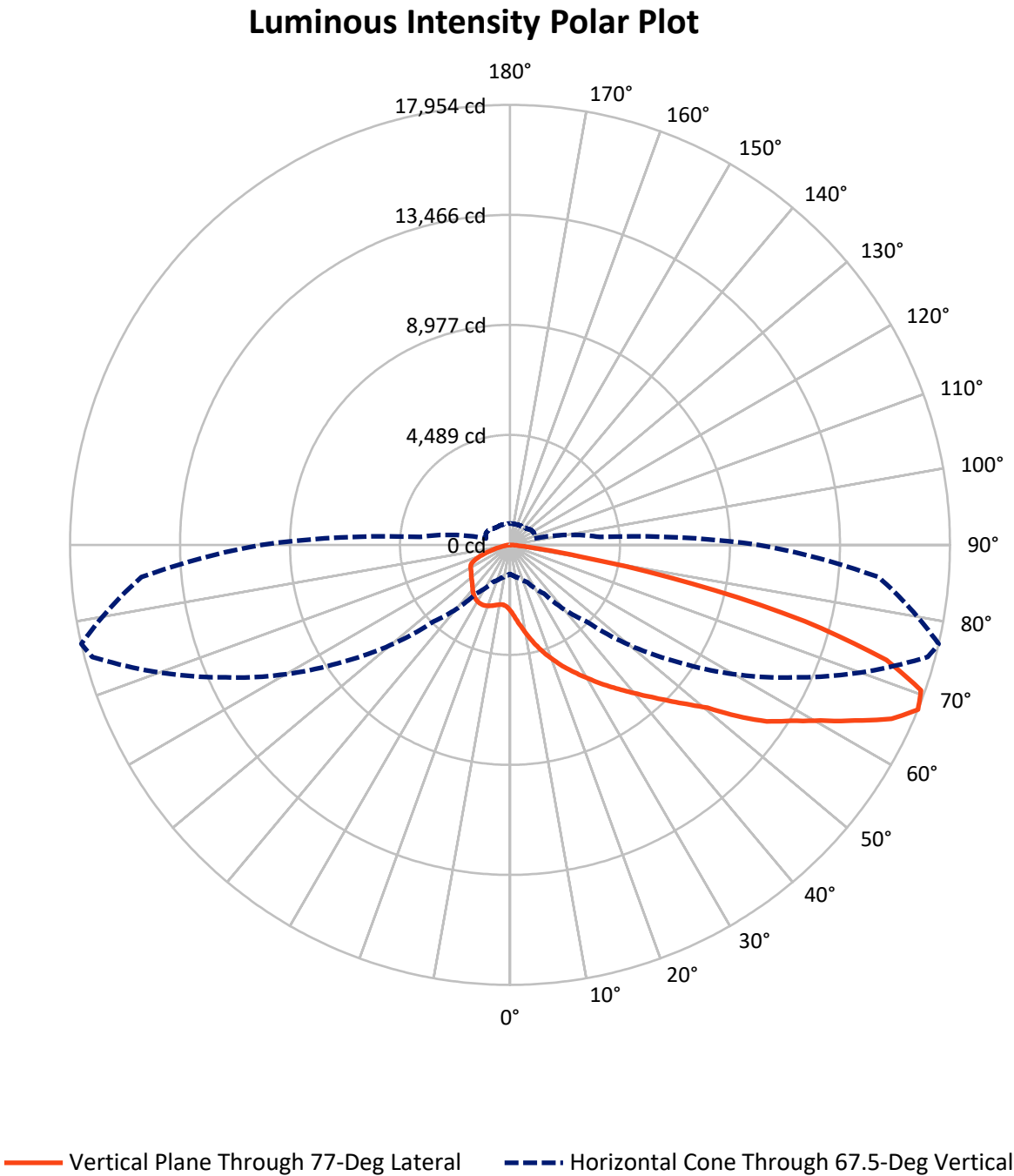
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type II - Medium - N/A

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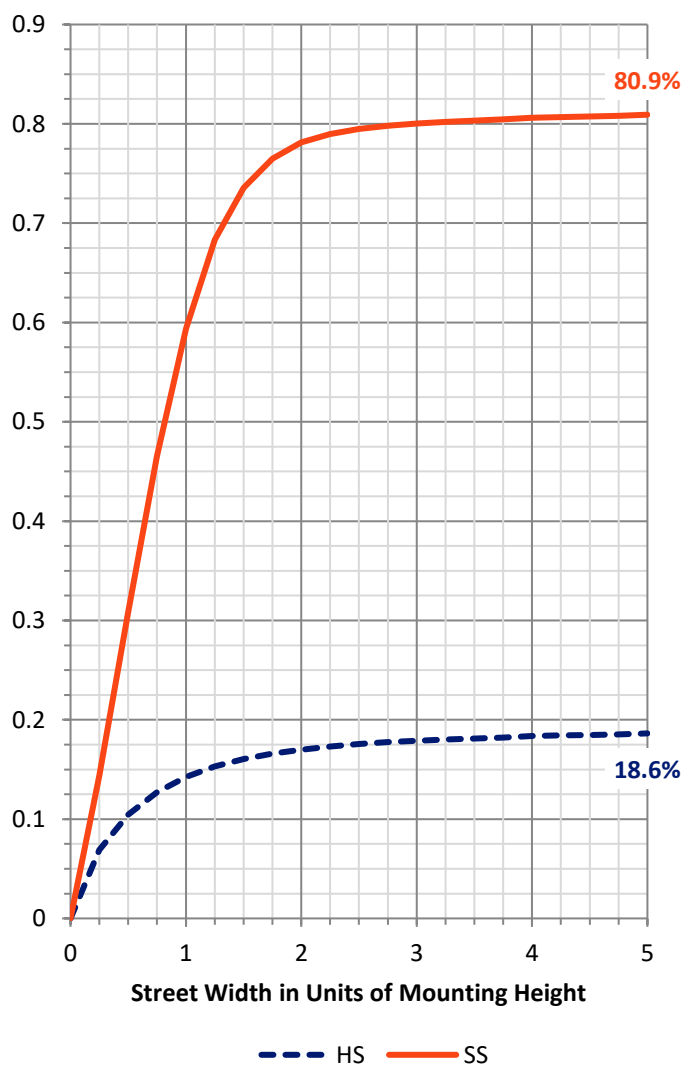
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4329.3	0.0	4329.3
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	18557.7	0.0	18557.7
	% Fixture	81.1	0.0	81.1
Total	Lumens	22887.0	0.0	22887.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.8	1.3
10°-20°	1034.1	4.5
20°-30°	1952.4	8.5
30°-40°	3145.3	13.7
40°-50°	4302.2	18.8
50°-60°	4853.0	21.2
60°-70°	4529.6	19.8
70°-80°	2483.0	10.8
80°-90°	299.5	1.3
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°-90°	22887.0	100.0
0°-180°	22887.0	100.0

Coefficient of Utilization



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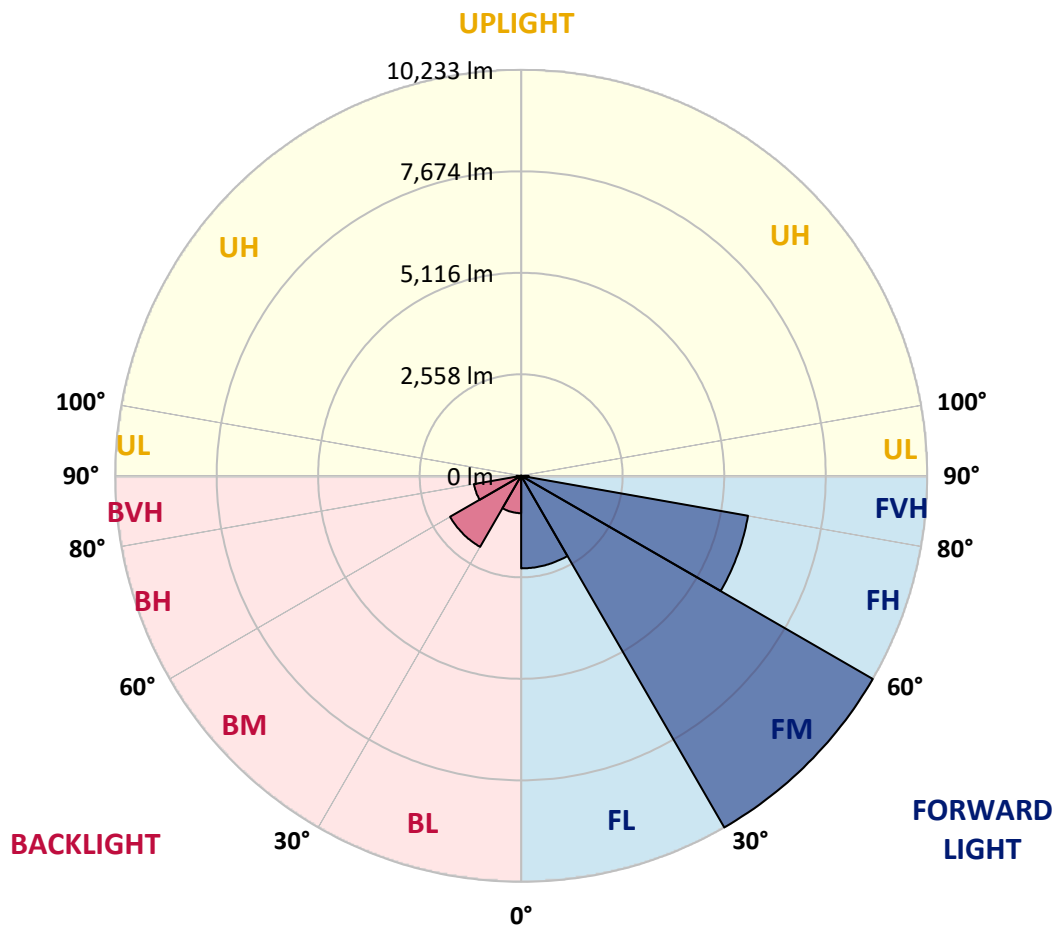
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2333.0	10.2			
FM	(30°-60°)	10232.5	44.7			
FH	(60°-80°)	5804.8	25.4			G3/7500
FVH	(80°-90°)	187.3	0.8			G2/225
BL	(0°-30°)	941.3	4.1	B2/1000		
BM	(30°-60°)	2068.0	9.0	B2/2500		
BH	(60°-80°)	1207.8	5.3	B3/2500		G3/2500
BVH	(80°-90°)	112.2	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2685.4	2685.4	2685.4	2685.4	2685.4	2685.4	2685.4	2685.4	2685.4	2685.4	2685.4
2.5°	3362.3	3385.9	3356.4	3356.4	3257.2	3205.2	3105.9	3030.3	2894.5	2870.8	2781.1
5°	3974.3	4003.8	3962.5	3944.7	3827.8	3720.3	3553.7	3389.5	3147.3	3122.5	2911.0
7.5°	4448.0	4485.8	4449.2	4430.3	4326.3	4205.8	4010.9	3781.7	3440.3	3391.8	3085.9
10°	4834.3	4840.3	4828.4	4835.5	4754.0	4654.8	4455.1	4188.1	3761.6	3695.5	3297.3
12.5°	5052.9	5080.1	5103.7	5146.2	5132.1	5070.6	4891.1	4572.1	4101.9	4016.8	3527.7
15°	5155.7	5203.0	5256.1	5354.2	5433.3	5448.7	5311.6	4984.4	4448.0	4345.2	3760.4
17.5°	5192.3	5237.2	5321.1	5462.9	5633.0	5747.6	5686.2	5384.9	4790.6	4672.5	4005.0
20°	5377.8	5390.8	5441.6	5576.3	5760.6	5950.8	5996.9	5770.0	5129.7	4996.2	4257.8
22.5°	5774.8	5748.8	5762.9	5824.4	5956.7	6141.0	6246.1	6110.3	5478.2	5324.6	4513.0
25°	6430.4	6354.8	6279.2	6208.3	6275.7	6379.6	6499.0	6450.5	5843.3	5648.3	4770.6
27.5°	7258.6	7166.5	6999.9	6767.1	6685.6	6722.3	6775.4	6766.0	6181.2	5983.9	5036.4
30°	8073.8	7966.3	7767.8	7431.1	7216.1	7119.2	7079.0	7051.9	6548.6	6338.3	5304.6
32.5°	8724.7	8639.7	8444.8	8067.9	7756.0	7590.6	7457.1	7360.2	6932.5	6722.3	5588.1
35°	9294.2	9215.0	8991.7	8580.6	8241.6	8065.5	7890.7	7683.9	7331.9	7119.2	5892.9
37.5°	9814.0	9734.9	9428.9	9001.2	8659.8	8538.1	8382.1	8031.3	7732.4	7531.5	6215.4
40°	10142.4	10124.7	9838.8	9354.4	9000.0	8939.8	8887.8	8434.1	8176.6	7989.9	6569.8
42.5°	10226.3	10265.3	10038.5	9640.3	9302.5	9254.0	9375.7	8890.1	8675.1	8496.7	6971.5
45°	10024.3	10136.5	9987.7	9717.1	9517.5	9491.5	9808.1	9388.7	9226.9	9063.8	7455.9
47.5°	9512.8	9703.0	9641.5	9603.7	9575.4	9687.6	10188.5	9918.0	9851.8	9710.0	8008.8
50°	8480.2	8840.5	8948.0	9186.7	9460.8	9840.0	10534.7	10495.7	10581.9	10439.0	8682.2
52.5°	6695.1	7191.3	7815.1	8412.9	9108.7	9789.2	10915.1	11325.0	11688.9	11610.9	9752.6
55°	5526.7	5749.9	6229.6	7326.0	8425.9	9575.4	11086.4	11994.9	12787.6	12717.9	10564.2
57.5°	4628.8	4828.4	5123.8	6039.4	7393.3	9089.8	11192.7	12403.7	13540.2	13533.1	11365.2
60°	3665.9	3877.4	4179.8	4828.4	6187.1	8251.0	11169.1	12869.2	14500.7	14559.8	12342.2
62.5°	2579.0	2811.8	3147.3	3752.2	4954.9	7164.1	10687.1	13205.9	15631.3	15792.0	13517.7
65°	1695.3	1848.9	2101.7	2623.9	3691.9	5766.5	9766.8	13249.6	16841.1	17112.8	14621.2
67.5°	1188.5	1247.6	1396.4	1680.0	2433.7	4422.0	8300.6	12797.1	17648.0	17954.0	15099.7
70°	927.4	956.9	1032.6	1146.0	1528.8	2973.6	6360.7	11620.4	17475.5	17794.5	14599.9
72.5°	801.0	829.4	857.7	871.9	1025.5	1835.9	4308.6	9716.0	15851.0	16067.2	12694.3
75°	726.6	733.7	757.3	752.6	782.1	1190.9	2486.9	7079.0	12506.5	12432.0	9371.0
77.5°	610.8	620.2	659.2	653.3	694.7	814.0	1291.3	4568.5	8108.1	7602.4	5215.9
80°	517.5	522.2	564.7	557.6	603.7	589.5	659.2	2328.6	3439.1	2913.4	1503.9
82.5°	179.6	222.1	431.2	444.2	460.8	356.8	380.4	949.9	1050.3	804.5	315.4
85°	87.4	93.3	219.7	311.9	310.7	179.6	185.5	339.1	330.8	259.9	105.1
87.5°	14.2	17.7	26.0	121.7	96.9	47.3	63.8	66.2	68.5	59.1	23.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2685.4	2685.4	2685.4	2685.4	2685.4	2685.4	2685.4	2685.4	2685.4	2685.4	2685.4
2.5°	2714.9	2655.8	2531.8	2417.2	2327.4	2241.1	2192.7	2151.4	2127.7	2123.0	2123.0
5°	2788.1	2666.5	2440.8	2250.6	2126.5	2034.4	1986.0	1955.2	1939.9	1930.4	1929.3
7.5°	2893.3	2714.9	2393.5	2177.3	2047.4	1981.2	1956.4	1951.7	1950.5	1951.7	1955.2
10°	3038.6	2794.0	2388.8	2159.6	2050.9	2014.3	2013.1	2014.3	2019.0	2020.2	2021.4
12.5°	3195.7	2875.6	2407.7	2175.0	2095.8	2075.7	2072.2	2071.0	2074.6	2076.9	2078.1
15°	3367.0	2983.1	2439.6	2208.1	2145.4	2124.2	2120.6	2113.6	2112.4	2111.2	2110.0
17.5°	3543.1	3089.4	2475.1	2243.5	2177.3	2147.8	2134.8	2118.3	2105.3	2101.7	2105.3
20°	3721.5	3194.5	2499.9	2261.2	2179.7	2138.4	2112.4	2084.0	2061.6	2048.6	2053.3
22.5°	3911.7	3304.4	2515.2	2256.5	2158.4	2101.7	2054.5	2021.4	1987.1	1964.7	1965.9
25°	4097.1	3400.1	2514.1	2231.7	2117.1	2045.0	1984.8	1942.2	1895.0	1871.4	1871.4
27.5°	4275.5	3486.4	2484.5	2188.0	2058.0	1977.7	1905.6	1854.8	1808.7	1786.3	1785.1
30°	4459.8	3558.4	2438.4	2124.2	1988.3	1899.7	1820.6	1776.8	1735.5	1714.2	1713.1
32.5°	4643.0	3624.6	2373.5	2045.0	1908.0	1822.9	1744.9	1704.8	1680.0	1680.0	1681.2
35°	4836.7	3670.7	2287.2	1952.9	1822.9	1741.4	1680.0	1656.3	1654.0	1639.8	1636.3
37.5°	5041.1	3700.2	2182.1	1858.4	1739.0	1662.3	1643.3	1615.0	1591.4	1560.6	1555.9
40°	5256.1	3729.7	2055.7	1760.3	1650.4	1607.9	1599.6	1561.8	1494.5	1418.9	1408.2
42.5°	5517.2	3749.8	1924.5	1662.3	1557.1	1542.9	1554.7	1489.8	1382.3	1325.5	1326.7
45°	5819.6	3782.9	1804.0	1565.4	1461.4	1461.4	1511.0	1426.0	1337.4	1301.9	1307.8
47.5°	6211.9	3859.7	1691.8	1459.0	1372.8	1396.4	1414.2	1349.2	1299.6	1255.8	1254.7
50°	6779.0	4044.0	1576.0	1351.5	1305.5	1352.7	1327.9	1290.1	1232.2	1196.8	1193.2
52.5°	7483.1	4152.7	1473.2	1254.7	1247.6	1294.8	1259.4	1223.9	1180.2	1133.0	1123.5
55°	7962.7	4172.8	1387.0	1183.8	1208.6	1203.9	1190.9	1159.0	1135.3	1072.7	1073.9
57.5°	8499.1	4212.9	1316.1	1141.2	1183.8	1131.8	1127.1	1099.9	1069.2	1026.6	1012.5
60°	9140.6	4275.5	1254.7	1124.7	1162.5	1084.5	1060.9	1050.3	1019.6	998.3	1004.2
62.5°	9840.0	4332.2	1192.0	1127.1	1137.7	1038.5	1003.0	999.5	980.6	973.5	973.5
65°	10317.3	4177.5	1114.1	1124.7	1098.7	991.2	946.3	945.1	929.8	927.4	926.2
67.5°	10150.7	3687.2	1008.9	1091.6	1058.5	944.0	894.3	889.6	869.5	870.7	870.7
70°	9316.6	2987.8	863.6	1010.1	1008.9	901.4	840.0	824.6	797.5	802.2	806.9
72.5°	7752.4	2214.0	668.7	874.2	929.8	862.4	777.4	752.6	718.3	723.0	721.8
75°	5598.7	1505.1	486.7	665.1	809.3	816.4	715.9	673.4	632.1	639.1	641.5
77.5°	2864.9	853.0	358.0	458.4	635.6	741.9	660.4	603.7	594.3	660.4	651.0
80°	934.5	427.7	248.1	321.3	417.0	607.2	578.9	513.9	511.6	526.9	452.5
82.5°	278.8	180.8	159.5	211.5	230.4	465.5	499.7	388.7	334.3	352.1	363.9
85°	95.7	87.4	91.0	105.1	109.9	272.9	349.7	257.5	243.4	268.2	264.6
87.5°	22.4	30.7	26.0	23.6	23.6	66.2	135.9	107.5	148.9	99.2	95.7
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)