

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: P942624

Luminaire Tested: **GALN-SB6D-722-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942624
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6D-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37224 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 440.1
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

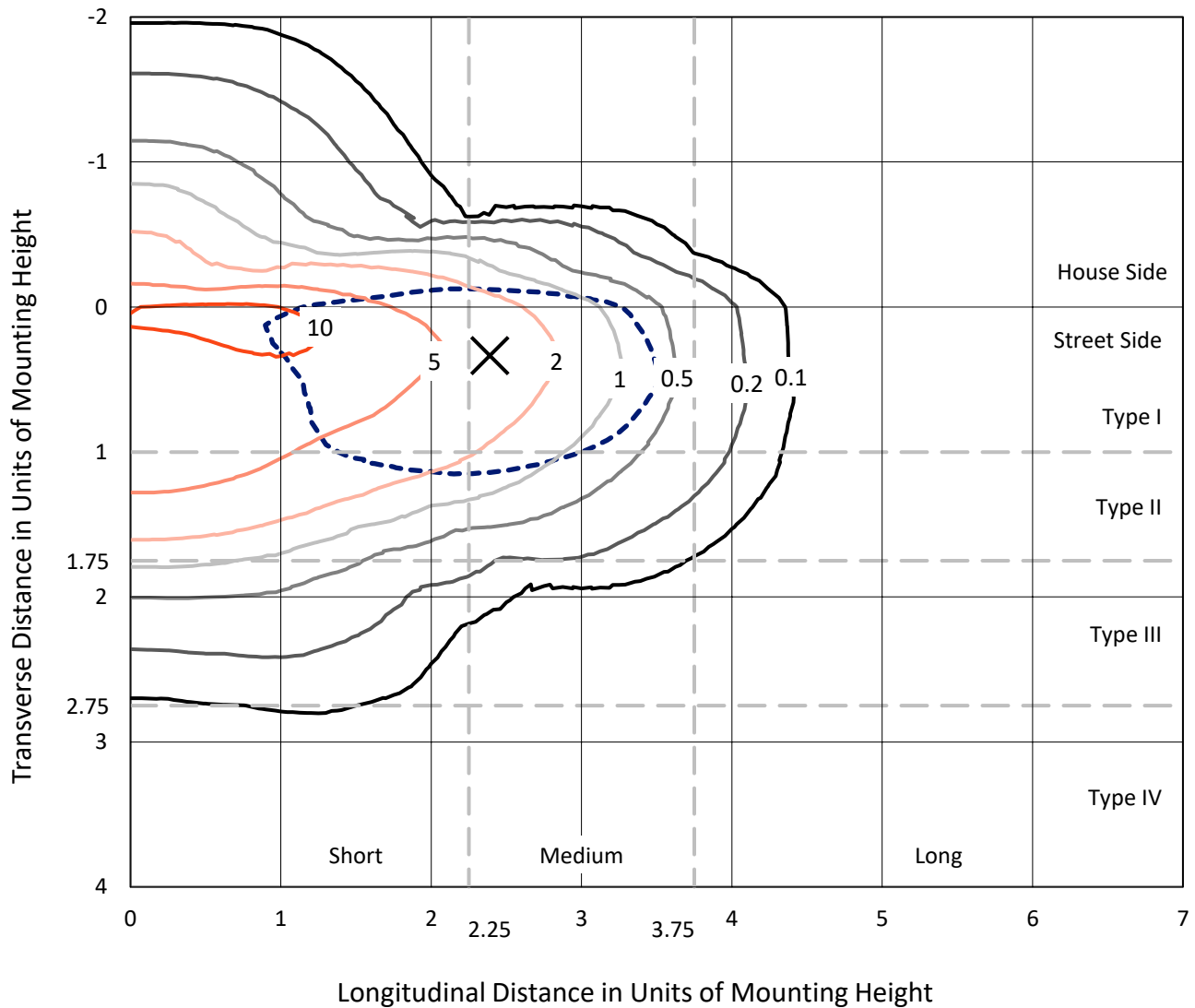


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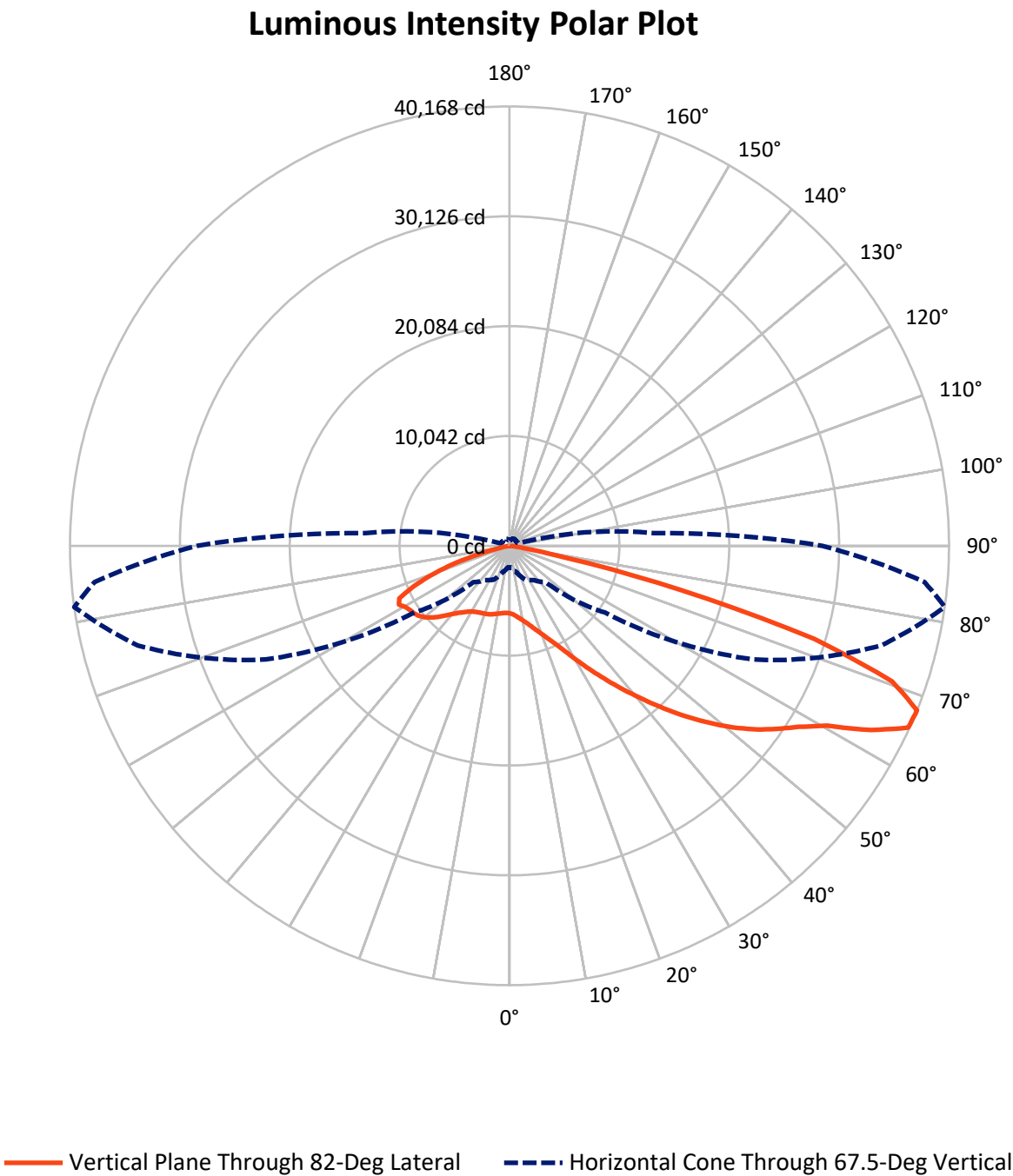
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 fc
 Type II - Medium - N/A

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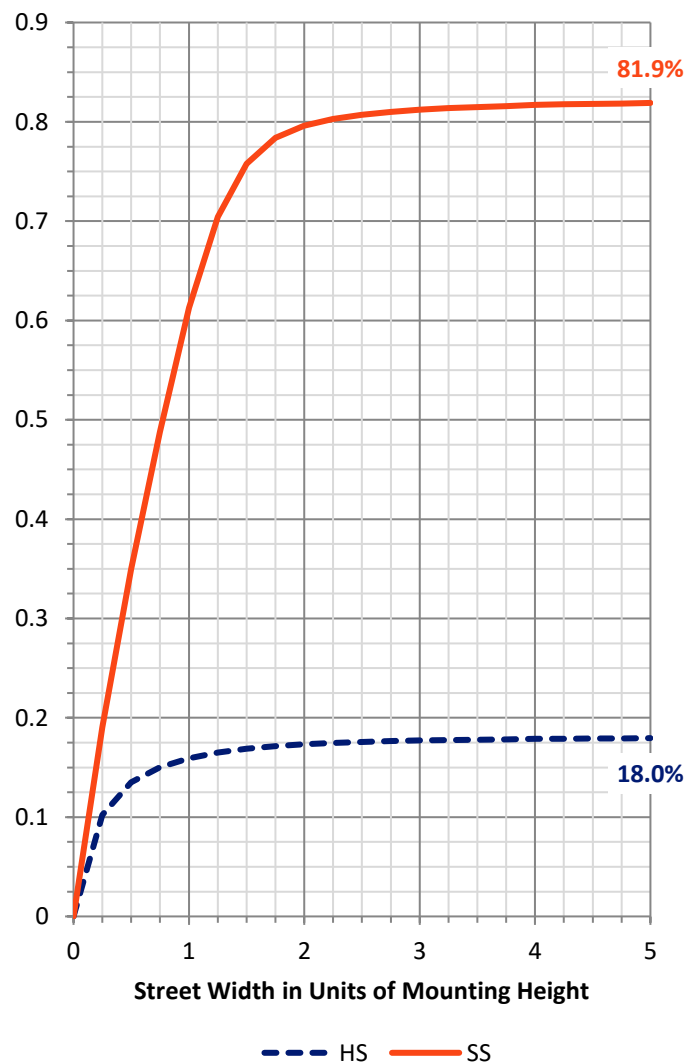
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6742.8	0.0	6742.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	30481.2	0.0	30481.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	37224.0	0.0	37224.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.4	1.5
10°-20°	1427.7	3.8
20°-30°	2286.7	6.1
30°-40°	4043.6	10.9
40°-50°	7084.8	19.0
50°-60°	9449.2	25.4
60°-70°	8796.7	23.6
70°-80°	3376.2	9.1
80°-90°	209.7	0.6
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°	37224.0	100.0
0°-180°	37224.0	100.0

Coefficient of Utilization



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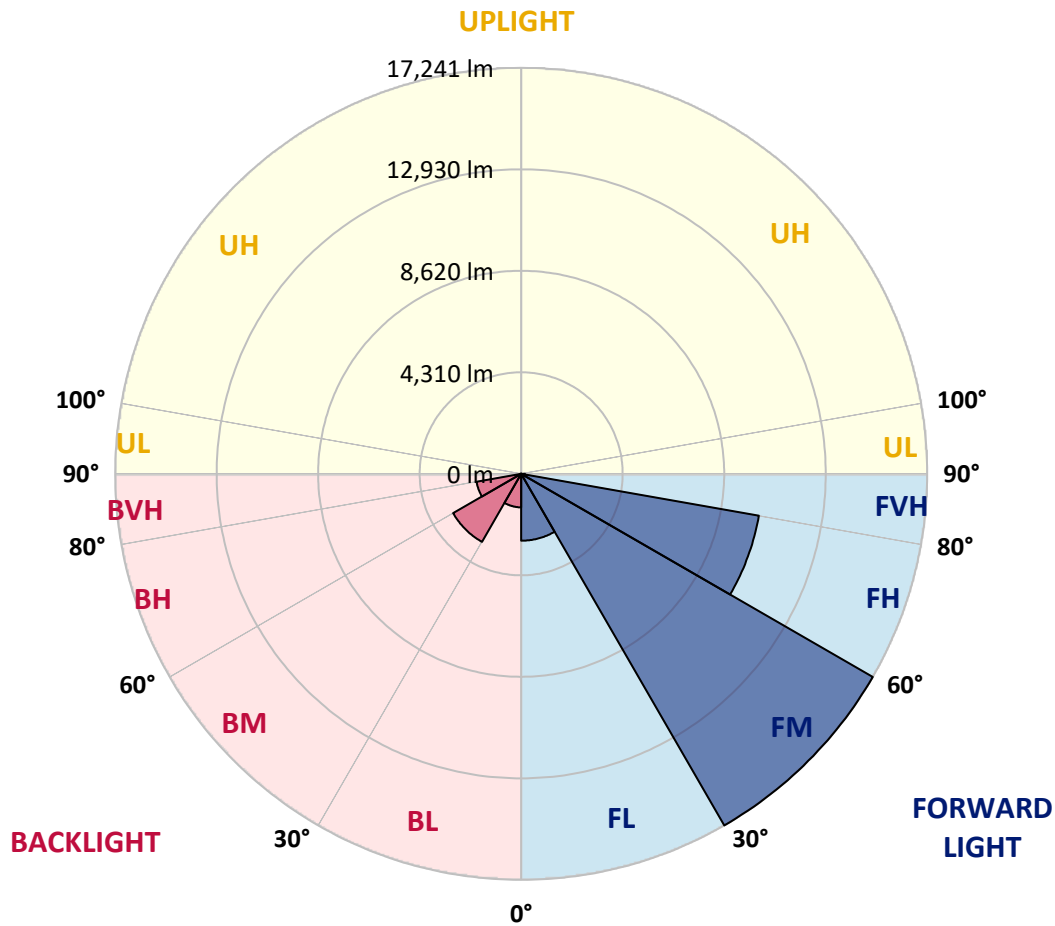
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2839.8	7.6			
FM	(30°-60°)	17240.6	46.3			
FH	(60°-80°)	10248.3	27.5			G4/12000
FVH	(80°-90°)	152.4	0.4			G2/225
BL	(0°-30°)	1424.1	3.8	B3/2500		
BM	(30°-60°)	3337.0	9.0	B3/5000		
BH	(60°-80°)	1924.5	5.2	B3/2500		G3/2500
BVH	(80°-90°)	57.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	6166.8	6166.8	6166.8	6166.8	6166.8	6166.8	6166.8	6166.8	6166.8	6166.8	6166.8
2.5°	6517.8	6555.4	6533.9	6523.2	6504.4	6477.6	6456.2	6389.2	6319.5	6274.0	6257.9
5°	6649.2	6686.7	6684.0	6694.7	6708.1	6716.2	6710.8	6635.8	6536.6	6458.9	6413.3
7.5°	6536.6	6579.5	6614.3	6667.9	6761.7	6860.9	6909.1	6893.0	6791.2	6684.0	6627.7
10°	6217.7	6263.2	6346.3	6472.3	6670.6	6885.0	7064.6	7147.6	7083.3	6965.4	6887.7
12.5°	5633.4	5679.0	5842.5	6115.8	6448.2	6820.7	7163.7	7386.2	7402.3	7284.3	7193.2
15°	4976.8	5022.4	5196.6	5539.6	6046.2	6643.8	7217.3	7638.1	7780.1	7678.3	7568.4
17.5°	4569.5	4609.7	4741.0	5017.0	5545.0	6290.0	7198.6	7906.1	8230.4	8150.0	8018.7
20°	4446.2	4481.0	4542.7	4735.6	5175.1	5922.9	7075.3	8158.0	8715.5	8669.9	8522.5
22.5°	4577.5	4609.7	4628.4	4714.2	4990.2	5681.7	6919.8	8415.3	9278.3	9283.6	9104.1
25°	4880.3	4912.5	4891.1	4944.7	5065.3	5606.6	6860.9	8718.1	9985.8	10044.8	9841.1
27.5°	5378.8	5381.5	5330.6	5327.9	5346.7	5719.2	6922.5	9042.4	10878.3	10988.1	10736.2
30°	6378.5	6338.3	6142.6	5930.9	5834.4	6056.9	7094.0	9425.7	11931.5	12127.2	11810.9
32.5°	7919.5	7860.5	7501.4	6994.9	6485.7	6600.9	7402.3	9862.5	13078.6	13432.3	13046.4
35°	9591.8	9575.8	9200.6	8447.5	7557.7	7375.5	7903.4	10436.1	14330.1	14892.9	14434.7
37.5°	11146.3	11138.2	10923.8	10036.7	8954.0	8455.5	8707.4	11186.5	15670.2	16484.9	15943.5
40°	12566.7	12590.8	12376.4	11583.1	10492.3	9841.1	9800.9	12113.8	17160.3	18218.9	17575.7
42.5°	13794.1	13820.9	13603.9	13016.9	12011.9	11374.1	11143.6	13250.1	18615.5	20081.5	19320.4
45°	14627.6	14793.8	14761.6	14292.6	13571.7	12909.7	12757.0	14675.9	20274.5	22056.7	21164.2
47.5°	14863.5	15016.2	15257.4	15321.8	14882.2	14231.0	14413.2	16393.8	21952.2	24034.5	23018.8
50°	14281.9	14423.9	14925.1	15592.4	15898.0	15697.0	16023.9	18234.9	23670.1	26007.0	24838.6
52.5°	13134.8	13279.6	13912.1	14968.0	16214.2	16846.7	17640.0	20049.3	25334.4	27875.0	26561.8
55°	11475.9	11628.7	12440.7	13636.0	15611.2	17321.1	18988.0	21861.0	26859.3	29555.4	28116.2
57.5°	9219.3	9331.9	10176.1	11848.4	14094.3	16849.4	19982.3	23838.9	28295.8	31206.3	29657.3
60°	6008.6	6107.8	7088.7	8954.0	11580.4	15273.5	20180.7	26044.6	30204.0	33353.0	31734.3
62.5°	3995.9	4062.9	4644.5	6014.0	8155.3	12247.8	19020.2	27805.3	33001.9	37089.0	35296.0
65°	2741.7	2808.7	3390.2	4344.3	5268.9	8101.7	15683.6	27572.2	35537.2	40055.8	37935.9
67.5°	1956.4	2012.7	2505.8	3406.3	3813.7	4706.1	10631.7	24592.0	35172.8	40168.3	38077.9
70°	1401.7	1433.8	1841.2	2653.2	3031.1	2827.4	5912.2	18808.5	30796.3	37091.7	35178.1
72.5°	980.9	991.6	1278.4	2020.7	2441.5	2063.6	2814.0	12539.9	23292.2	29113.2	27272.0
75°	664.6	678.0	860.3	1482.1	1959.1	1575.9	1490.1	6724.2	13673.5	16115.0	14445.4
77.5°	407.4	412.7	554.8	1013.1	1466.0	1200.7	959.5	2848.9	5290.4	5193.9	4427.4
80°	230.5	230.5	353.8	629.8	999.7	774.5	672.7	1211.4	1675.0	1471.3	1297.1
82.5°	128.6	131.3	257.3	391.3	662.0	458.3	369.8	560.1	723.6	640.5	557.4
85°	53.6	59.0	158.1	184.9	316.2	227.8	150.1	235.8	268.0	238.5	174.2
87.5°	5.4	8.0	48.2	34.8	37.5	45.6	21.4	45.6	37.5	37.5	26.8
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°	6166.8	6166.8	6166.8	6166.8	6166.8	6166.8	6166.8	6166.8	6166.8	6166.8	6166.8
2.5°	6207.0	6166.8	6064.9	5947.0	5791.6	5716.5	5614.7	5545.0	5486.0	5491.4	5437.8
5°	6327.6	6225.7	5997.9	5713.8	5360.1	5108.1	4840.1	4655.2	4505.1	4473.0	4400.6
7.5°	6493.7	6332.9	5933.6	5421.7	4824.1	4371.1	3966.4	3706.5	3521.6	3462.6	3403.6
10°	6708.1	6475.0	5850.5	5054.5	4194.3	3618.0	3183.9	2980.2	2854.2	2811.4	2779.2
12.5°	6957.4	6638.4	5740.6	4607.0	3545.7	2990.9	2714.9	2613.0	2572.8	2559.4	2551.4
15°	7270.9	6842.1	5574.5	4076.3	2996.3	2607.7	2489.8	2476.4	2481.7	2476.4	2473.7
17.5°	7643.5	7064.6	5303.8	3529.6	2626.4	2412.0	2369.1	2379.9	2393.3	2390.6	2385.2
20°	8050.8	7284.3	4958.1	3044.5	2374.5	2272.7	2248.5	2259.3	2270.0	2264.6	2261.9
22.5°	8514.5	7520.2	4574.8	2666.6	2205.7	2144.0	2117.2	2119.9	2119.9	2109.2	2103.8
25°	9069.2	7780.1	4172.8	2398.6	2077.0	2028.8	1996.6	1985.9	1969.8	1937.7	1932.3
27.5°	9731.2	8056.2	3786.9	2211.0	1975.2	1929.6	1892.1	1865.3	1825.1	1771.5	1766.1
30°	10476.3	8391.2	3459.9	2093.1	1894.8	1849.2	1806.3	1766.1	1707.2	1640.2	1634.8
32.5°	11352.6	8750.3	3221.4	2015.4	1822.4	1774.2	1723.3	1675.0	1610.7	1543.7	1546.4
35°	12397.8	9184.5	3082.0	1961.8	1766.1	1701.8	1645.5	1591.9	1543.7	1484.7	1479.4
37.5°	13531.5	9645.4	3039.2	1935.0	1728.6	1629.5	1565.1	1527.6	1522.3	1487.4	1484.7
40°	14772.3	10192.2	3071.3	1918.9	1688.4	1559.8	1490.1	1482.1	1495.5	1433.8	1436.5
42.5°	16085.6	10840.7	3124.9	1900.1	1632.1	1490.1	1423.1	1423.1	1412.4	1326.6	1326.6
45°	17506.0	11588.5	3178.5	1854.6	1565.1	1420.4	1369.5	1350.7	1305.2	1222.1	1219.4
47.5°	18937.1	12349.6	3218.7	1771.5	1484.7	1361.5	1315.9	1273.0	1206.0	1131.0	1128.3
50°	20295.9	13033.0	3175.8	1648.2	1393.6	1305.2	1256.9	1198.0	1125.6	1074.7	1066.7
52.5°	21509.9	13625.3	2993.6	1503.5	1297.1	1246.2	1203.3	1141.7	1082.7	1029.1	1023.8
55°	22565.9	14105.0	2672.0	1366.8	1211.4	1195.3	1152.4	1074.7	994.3	948.7	943.4
57.5°	23578.9	14469.5	2270.0	1254.3	1133.7	1139.0	1074.7	1005.0	930.0	881.7	876.4
60°	24927.0	14957.3	1862.6	1149.7	1050.6	1066.7	997.0	946.1	852.3	790.6	782.6
62.5°	27081.7	15715.7	1479.4	1021.1	954.1	959.5	930.0	868.3	755.8	683.4	678.0
65°	28791.6	15437.0	1165.8	881.7	844.2	852.3	852.3	785.2	664.6	581.6	573.5
67.5°	28598.6	13217.9	930.0	745.0	739.7	745.0	763.8	707.5	589.6	522.6	511.9
70°	26344.7	10513.8	745.0	619.1	643.2	629.8	683.4	645.9	530.6	463.6	455.6
72.5°	21496.5	7573.8	568.2	511.9	493.1	514.6	616.4	581.6	442.2	367.2	359.1
75°	12561.3	4041.5	423.4	404.7	356.4	428.8	546.7	495.8	337.7	270.7	262.6
77.5°	4089.7	1409.7	310.9	297.5	265.3	345.7	466.3	418.1	276.0	214.4	206.4
80°	1096.1	426.1	211.7	195.6	171.5	257.3	369.8	332.3	198.3	139.4	136.7
82.5°	439.5	179.6	123.3	109.9	93.8	176.9	292.1	268.0	147.4	88.4	88.4
85°	142.0	59.0	45.6	34.8	42.9	109.9	174.2	182.2	104.5	45.6	34.8
87.5°	18.8	8.0	8.0	10.7	8.0	18.8	53.6	50.9	29.5	5.4	0.0
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)