

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: STREETWORKS

Report Number: P199921

Luminaire Tested: **GAP-AF-01-LED-U-5WQ-7030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P199921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24143)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-AF-01-LED-U-5WQ-7030-1200
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7104 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 67
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: 28.75 FT

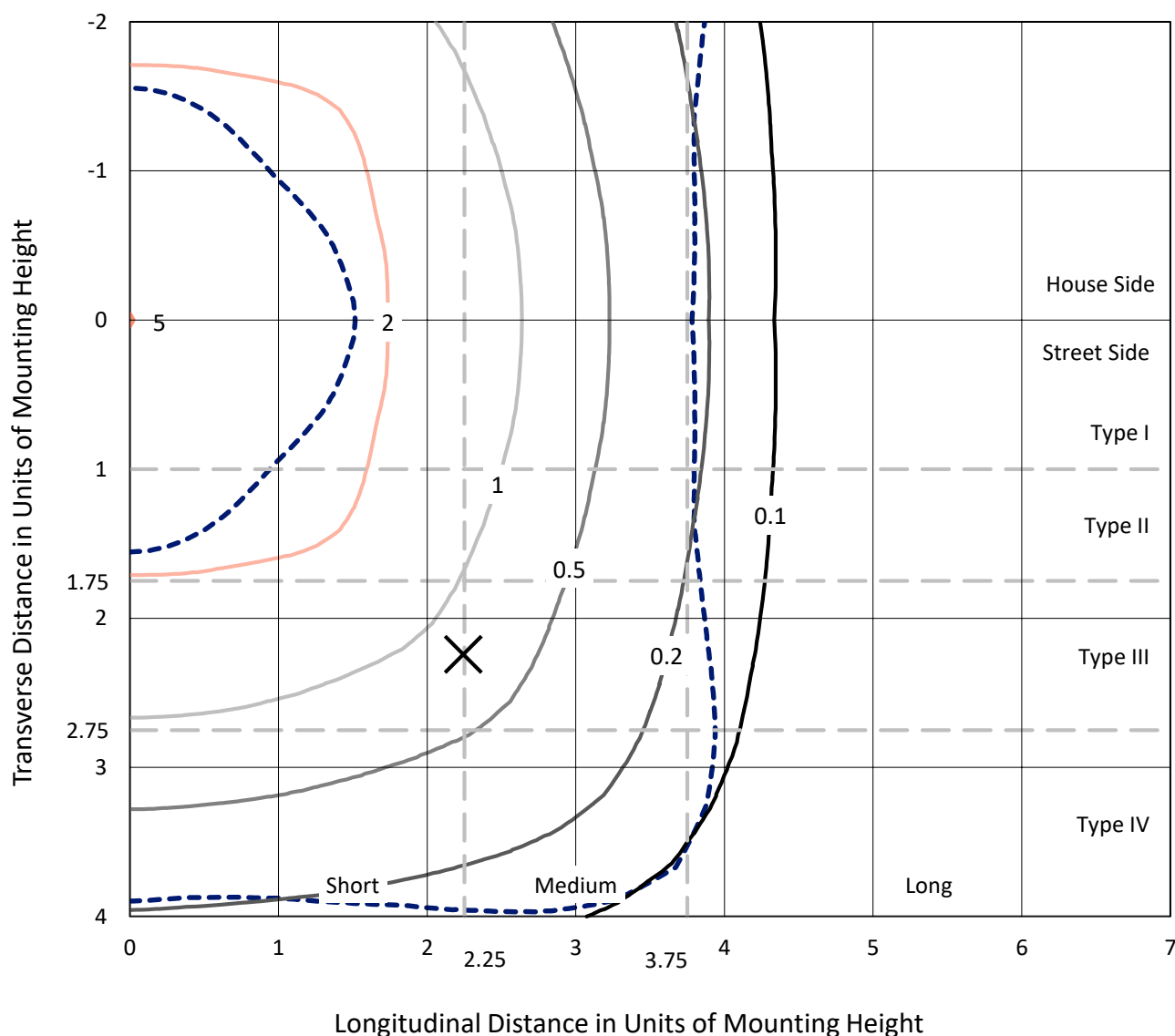


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

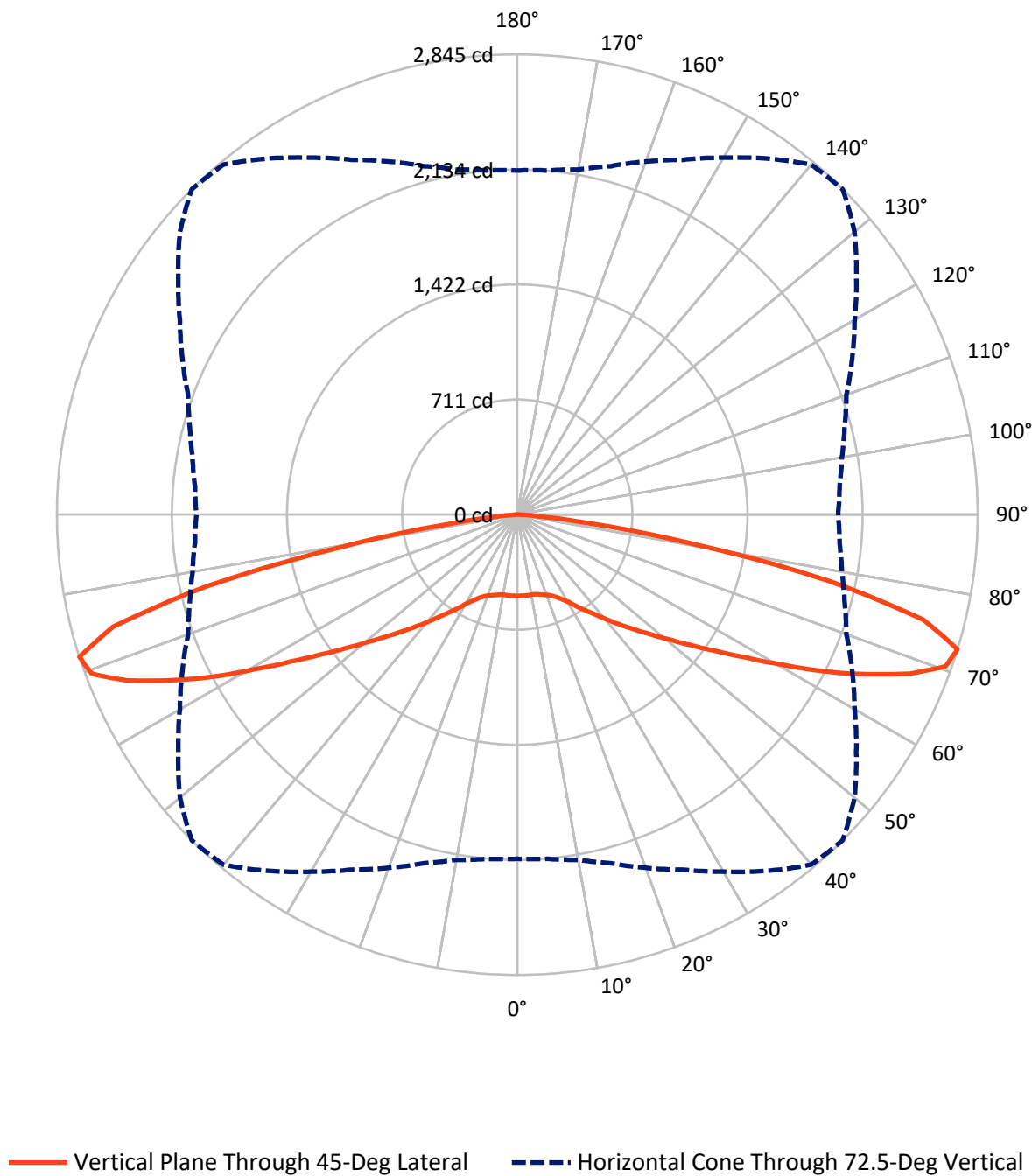


Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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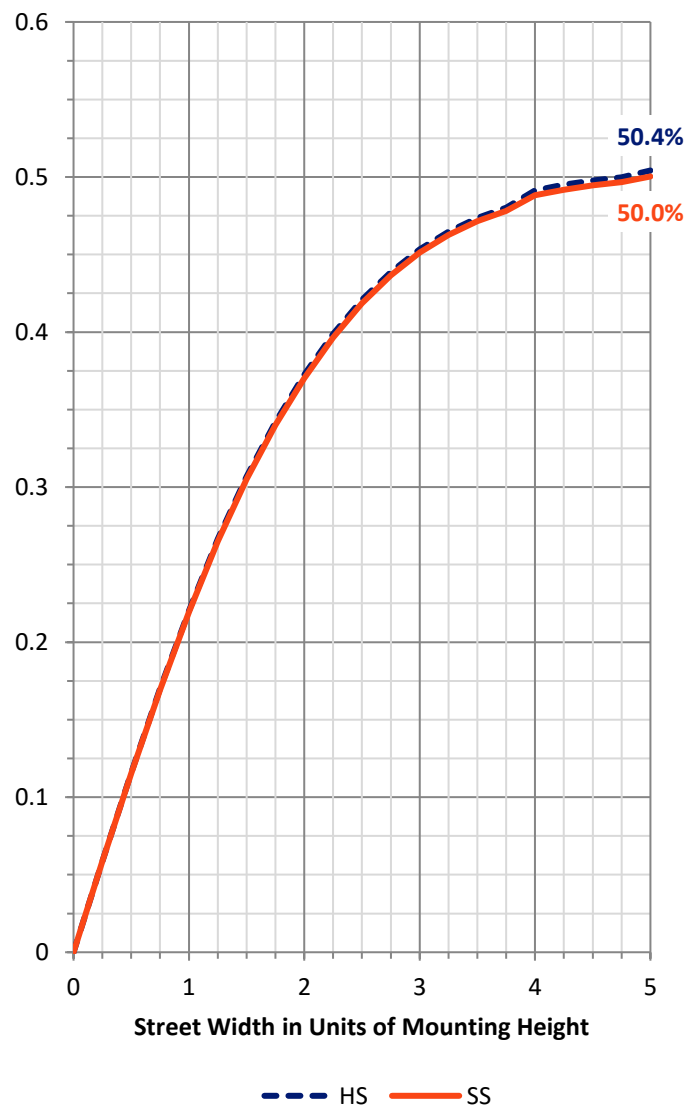
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3552.0	0.0	3552.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3552.0	0.0	3552.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7104.0	0.0	7104.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.0	0.7
10°-20°	145.9	2.1
20°-30°	266.6	3.8
30°-40°	459.7	6.5
40°-50°	785.8	11.1
50°-60°	1273.7	17.9
60°-70°	2113.1	29.7
70°-80°	1861.1	26.2
80°-90°	150.1	2.1
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°	7104.0	100.0
0°-180°	7104.0	100.0

Coefficient of Utilization



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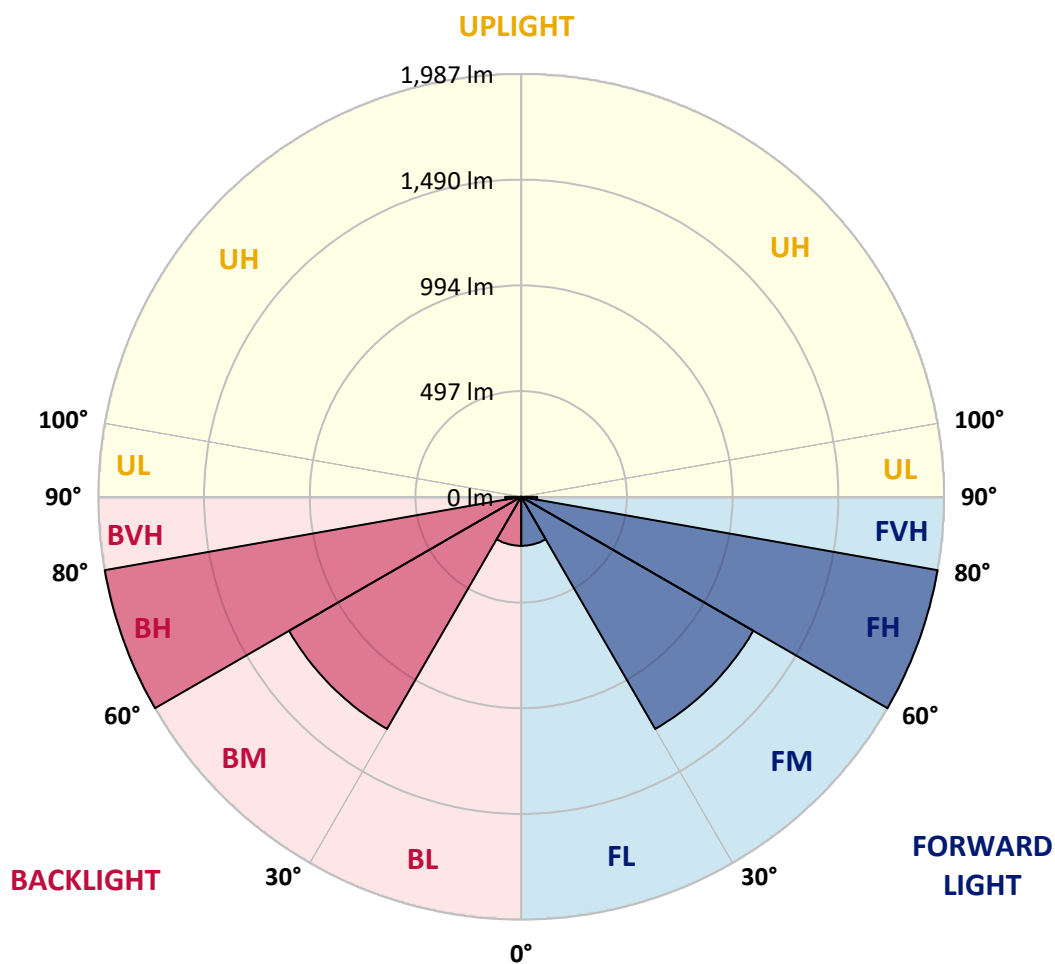
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	230.3	3.2			
FM	(30°-60°)	1259.6	17.7			
FH	(60°-80°)	1987.1	28.0			G2/5000
FVH	(80°-90°)	75.0	1.1			G1/100
BL	(0°-30°)	230.3	3.2	B1/500		
BM	(30°-60°)	1259.6	17.7	B2/2500		
BH	(60°-80°)	1987.1	28.0	B3/2500		G2/5000
BVH	(80°-90°)	75.0	1.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	503.0	503.0	503.0	503.0	503.0	503.0	503.0	503.0	503.0	503.0	503.0
2.5°	503.0	503.3	503.6	503.3	503.3	503.0	502.7	503.0	502.7	502.0	502.4
5°	504.7	505.4	505.4	504.7	505.0	504.7	504.0	504.3	503.6	502.7	502.7
7.5°	506.6	507.0	507.0	506.3	506.6	506.0	505.4	505.0	504.3	503.0	502.0
10°	509.5	509.9	509.5	508.9	508.9	507.9	506.3	505.7	504.3	502.4	501.5
12.5°	512.9	513.2	512.9	512.2	511.9	510.2	508.9	507.9	507.0	505.4	503.6
15°	517.5	518.1	517.5	516.1	515.1	513.8	513.2	513.5	513.8	512.5	510.9
17.5°	525.9	526.2	525.2	522.3	520.9	519.7	519.7	520.3	521.2	520.6	519.1
20°	541.5	540.5	538.2	534.8	533.0	530.8	530.5	530.8	530.8	530.5	529.2
22.5°	561.0	560.4	557.4	553.0	550.6	549.3	547.4	545.8	545.4	544.4	543.1
25°	584.5	584.2	580.6	576.7	575.0	573.5	571.9	569.6	567.6	565.3	564.0
27.5°	614.5	613.2	608.0	606.1	603.7	602.8	600.5	597.8	596.2	593.3	591.7
30°	647.5	647.5	643.2	642.6	642.6	640.3	637.6	633.0	630.1	627.2	626.3
32.5°	680.3	680.6	676.5	677.7	678.7	680.3	681.0	679.4	677.4	677.1	675.1
35°	727.8	726.6	722.3	723.3	723.0	722.6	722.6	726.2	726.9	727.5	723.7
37.5°	786.8	786.8	782.7	782.7	780.6	778.7	776.1	778.4	782.0	783.0	780.3
40°	854.3	856.6	851.3	851.0	851.6	845.5	842.6	846.2	848.4	852.3	849.4
42.5°	933.8	932.2	926.9	926.3	922.7	920.8	918.3	921.2	924.7	927.3	928.2
45°	1010.1	1008.8	1002.9	1002.9	999.2	997.6	998.9	1003.9	1005.5	1009.1	1012.7
47.5°	1085.4	1083.8	1079.8	1081.4	1081.7	1084.7	1088.9	1093.4	1098.0	1103.0	1104.5
50°	1162.2	1162.5	1158.3	1162.2	1167.1	1175.3	1186.7	1194.2	1203.6	1209.8	1211.8
52.5°	1232.2	1233.5	1238.1	1247.3	1257.0	1273.0	1292.5	1310.8	1326.4	1336.9	1336.2
55°	1316.3	1318.3	1329.3	1345.0	1361.0	1385.1	1414.1	1446.4	1472.4	1487.3	1478.0
57.5°	1423.8	1428.1	1440.5	1461.7	1485.5	1516.7	1556.5	1605.0	1645.5	1665.6	1650.4
60°	1571.4	1574.1	1589.0	1612.5	1641.2	1680.0	1733.1	1798.2	1855.2	1882.0	1864.4
62.5°	1765.9	1770.9	1782.9	1806.7	1836.0	1880.1	1944.9	2026.3	2097.3	2134.5	2094.7
65°	1998.3	2013.9	2024.0	2048.2	2075.5	2122.2	2189.9	2277.2	2353.5	2377.9	2331.9
67.5°	2228.4	2242.0	2259.6	2287.4	2314.9	2367.4	2430.4	2515.0	2598.8	2620.9	2549.6
70°	2329.0	2336.8	2364.2	2401.9	2455.0	2517.0	2589.7	2684.8	2788.4	2806.7	2716.0
72.5°	2127.3	2135.2	2165.7	2230.0	2322.6	2420.8	2547.6	2687.4	2824.3	2844.8	2720.0
75°	1609.0	1596.3	1641.5	1726.6	1851.4	1988.5	2165.7	2366.1	2563.9	2589.7	2440.8
77.5°	831.5	830.0	864.1	969.6	1118.6	1274.6	1469.7	1696.2	1889.7	1968.0	1846.8
80°	234.3	236.9	253.2	305.6	392.6	505.4	657.8	869.9	1028.3	1109.1	1041.4
82.5°	91.9	99.1	105.2	115.0	126.4	143.0	190.9	284.1	381.2	455.5	373.1
85°	32.9	35.2	49.8	59.0	60.0	63.3	72.0	84.0	101.3	120.8	99.4
87.5°	12.3	13.6	16.0	26.4	26.1	23.8	29.0	30.3	22.8	20.9	25.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	503.0	503.0	503.0	503.0	503.0	503.0	503.0	503.0
2.5°	501.7	502.0	502.0	502.4	502.7	502.7	503.3	503.3
5°	502.0	502.0	501.5	501.7	501.5	501.5	501.7	501.7
7.5°	501.5	501.2	500.5	500.2	499.6	499.6	499.6	499.6
10°	500.5	500.2	499.6	499.2	498.9	498.9	498.9	498.9
12.5°	503.0	502.0	501.5	501.2	501.2	501.2	501.2	501.2
15°	509.9	507.6	506.0	506.0	506.3	507.0	507.0	507.6
17.5°	518.4	515.8	514.2	512.9	513.5	514.5	515.1	515.8
20°	528.5	527.1	524.9	523.6	523.6	524.9	525.5	525.9
22.5°	542.5	541.5	540.5	538.8	538.8	539.5	540.9	540.9
25°	563.3	562.6	562.0	560.7	560.4	560.4	561.0	561.7
27.5°	589.5	589.8	589.1	588.8	587.9	587.5	588.5	588.2
30°	624.3	625.9	627.5	626.3	624.6	623.7	622.7	621.3
32.5°	671.5	669.5	668.2	665.9	663.1	660.5	658.5	656.2
35°	716.2	712.9	711.6	713.6	713.3	711.6	709.3	707.4
37.5°	771.0	770.3	771.0	774.5	773.9	775.4	771.0	770.6
40°	839.9	840.6	845.2	849.4	851.6	854.0	851.3	848.7
42.5°	920.2	919.9	921.4	927.3	931.2	933.8	928.2	927.6
45°	1004.8	1002.6	1003.9	1008.8	1012.7	1015.6	1009.4	1009.4
47.5°	1098.0	1094.1	1089.9	1095.5	1097.7	1099.7	1094.8	1093.1
50°	1202.0	1193.8	1184.7	1187.0	1187.0	1186.3	1180.1	1179.8
52.5°	1321.3	1306.2	1289.6	1283.5	1279.9	1275.9	1265.2	1260.0
55°	1458.4	1435.8	1409.9	1393.9	1385.4	1374.7	1356.8	1351.9
57.5°	1618.6	1583.5	1538.6	1519.0	1500.1	1482.5	1462.7	1457.1
60°	1808.7	1756.9	1697.3	1661.1	1640.5	1623.6	1603.1	1602.1
62.5°	2020.4	1938.7	1871.2	1838.7	1823.6	1808.7	1789.1	1791.8
65°	2235.8	2150.4	2087.3	2060.8	2046.9	2034.4	2015.0	2017.8
67.5°	2448.3	2369.8	2300.4	2273.2	2257.7	2242.0	2224.4	2227.4
70°	2600.7	2503.3	2425.1	2365.1	2327.7	2285.3	2258.0	2251.2
72.5°	2557.1	2406.9	2282.8	2163.8	2094.1	2037.3	1998.9	1982.3
75°	2213.0	2007.7	1848.1	1702.2	1620.0	1553.2	1504.7	1474.4
77.5°	1643.5	1412.8	1224.1	1056.0	923.0	833.7	771.0	730.2
80°	899.6	684.2	500.2	351.6	258.4	214.7	189.7	177.5
82.5°	280.2	180.9	133.3	115.0	106.8	102.2	94.8	82.7
85°	89.3	78.2	72.6	69.4	66.1	57.7	39.8	36.2
87.5°	34.5	35.5	35.2	33.3	33.9	24.5	19.5	17.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)