

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: P200079

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200079
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
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6848.7 lumens
Efficiency: N/A
Efficacy: 116.1 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): 59
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

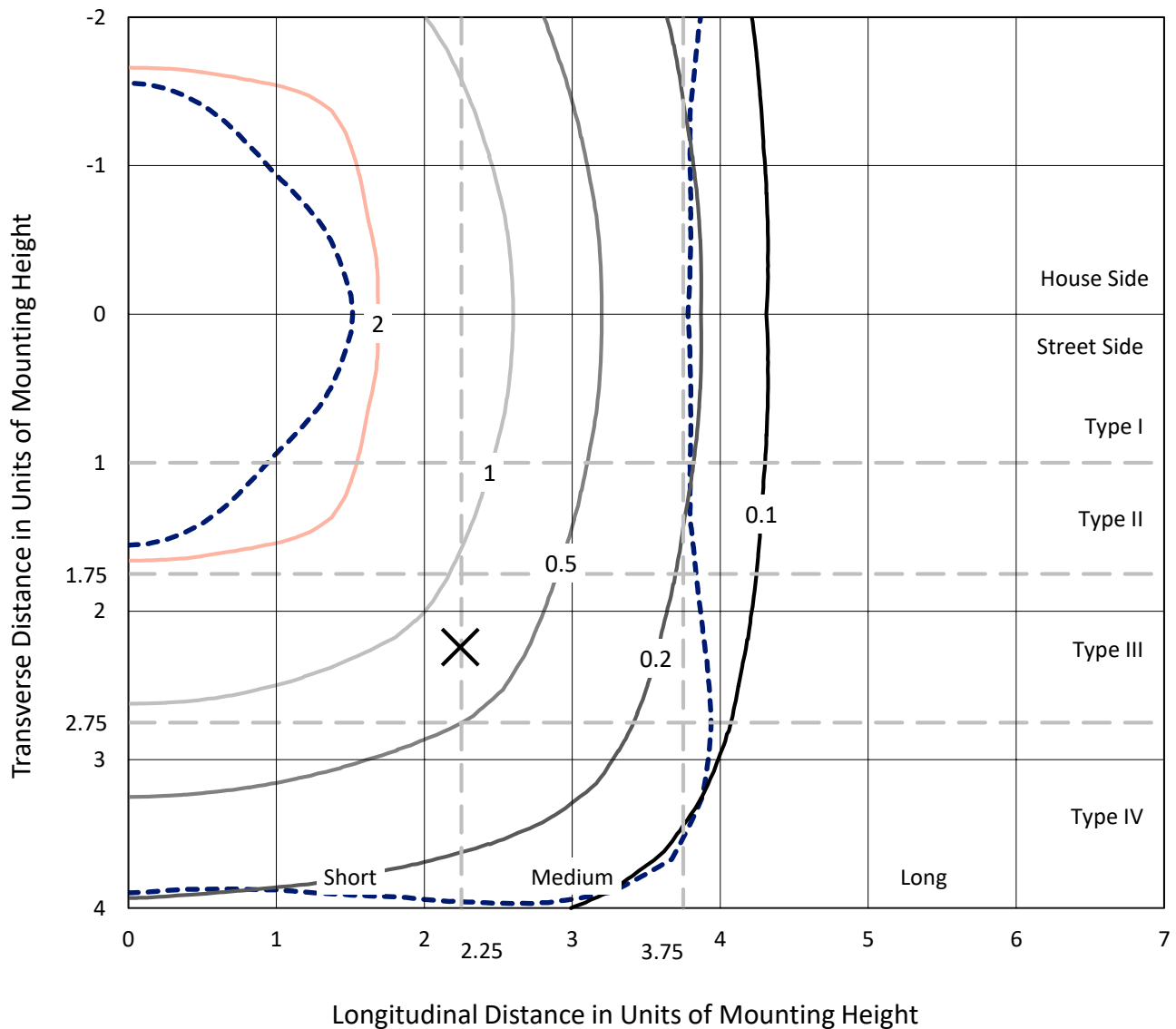


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

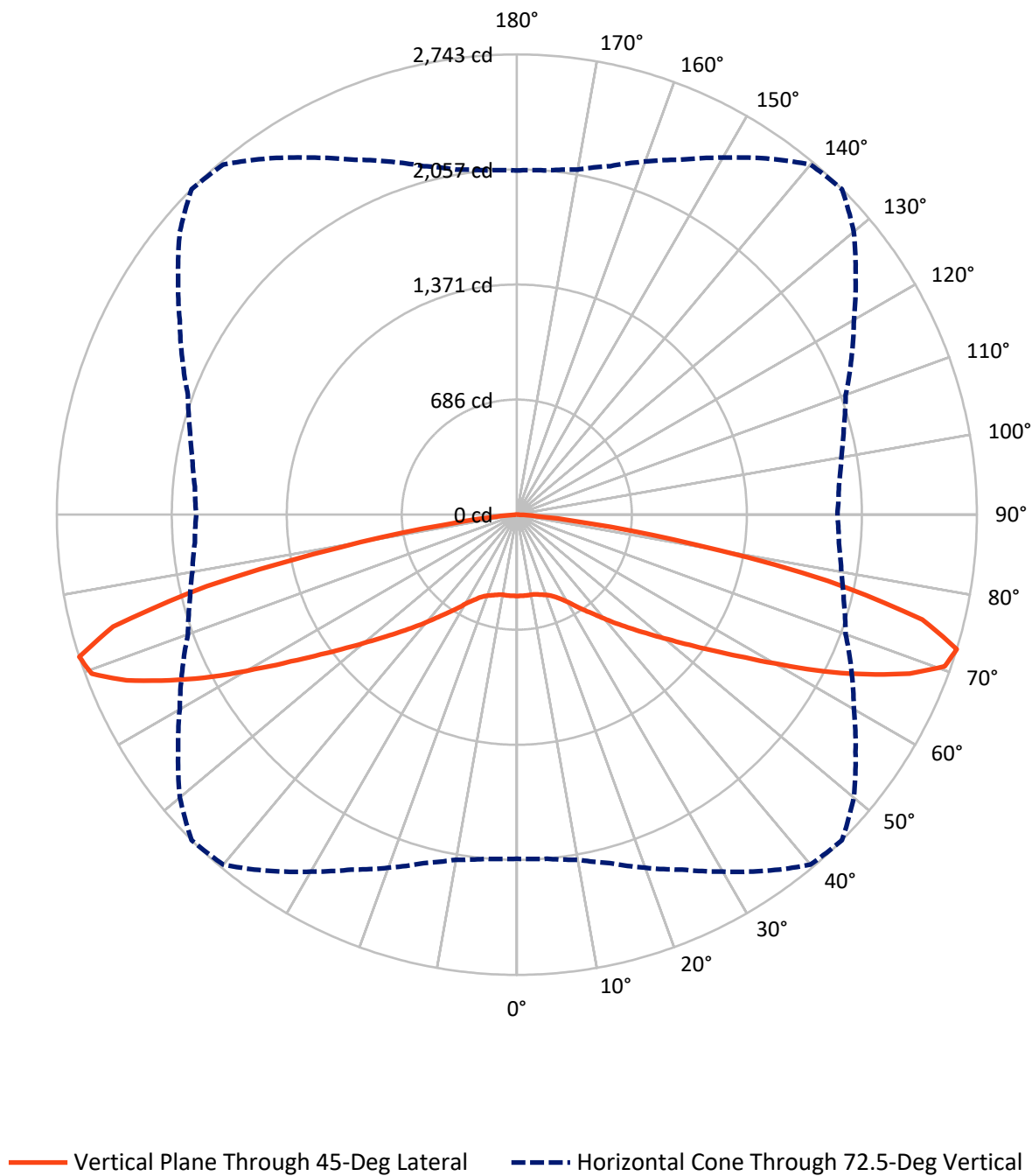


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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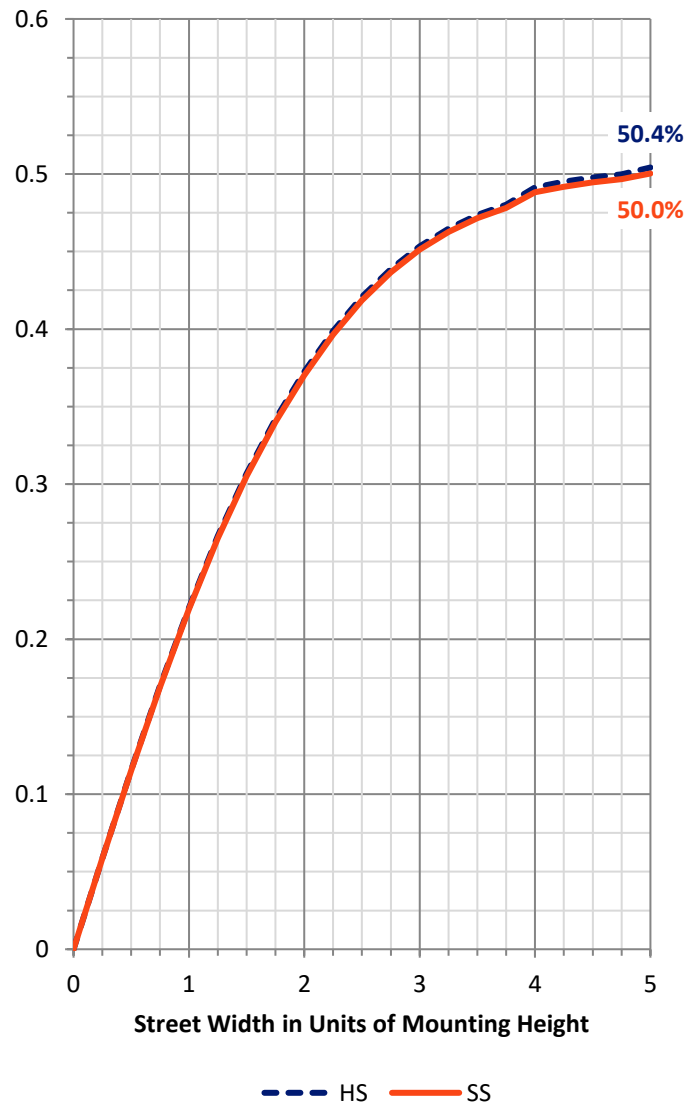
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3424.3	0.0	3424.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3424.3	0.0	3424.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	6848.7	0.0	6848.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.3	0.7
10°-20°	140.7	2.1
20°-30°	257.0	3.8
30°-40°	443.2	6.5
40°-50°	757.6	11.1
50°-60°	1227.9	17.9
60°-70°	2037.1	29.7
70°-80°	1794.2	26.2
80°-90°	144.7	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°	6848.7	100.0
0°-180°	6848.7	100.0

Coefficient of Utilization



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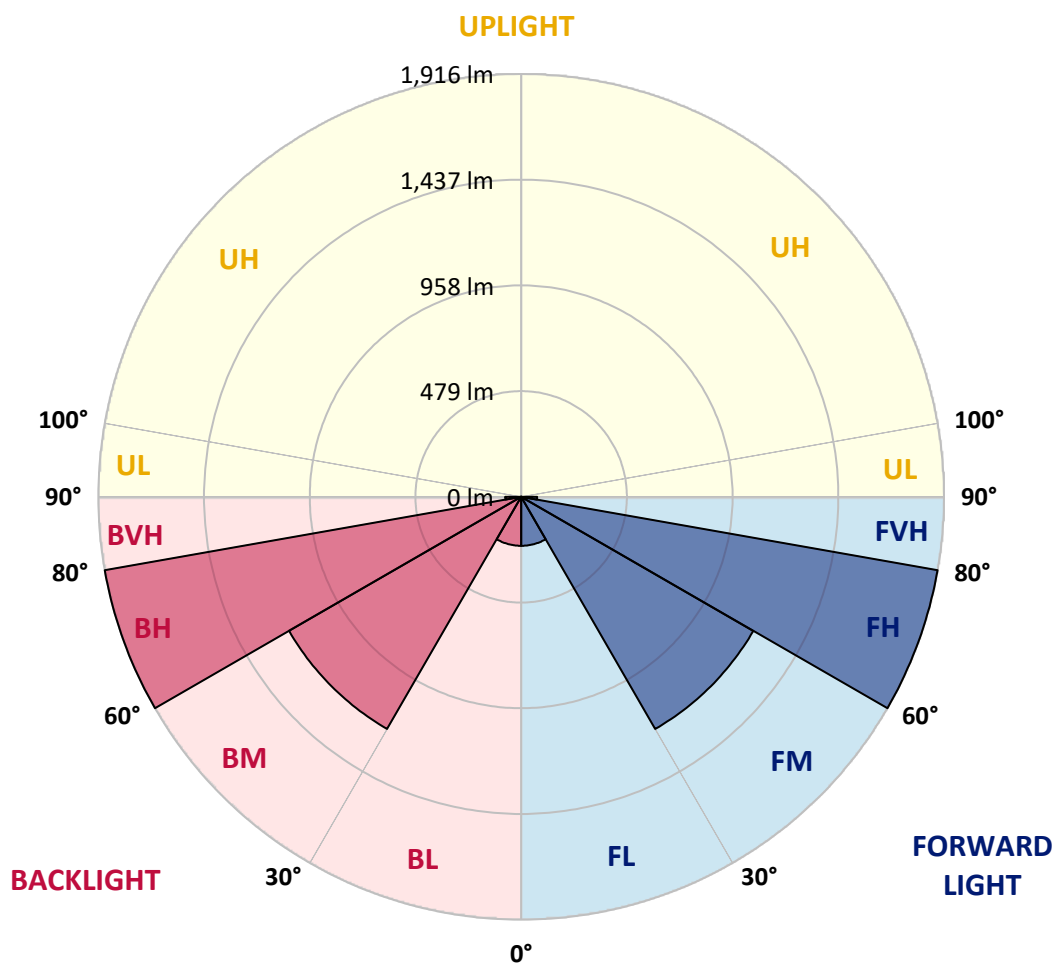
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	222.0	3.2			
FM	(30°-60°)	1214.3	17.7			
FH	(60°-80°)	1915.7	28.0			G2/5000
FVH	(80°-90°)	72.3	1.1			G1/100
BL	(0°-30°)	222.0	3.2	B1/500		
BM	(30°-60°)	1214.3	17.7	B2/2500		
BH	(60°-80°)	1915.7	28.0	B3/2500		G2/5000
BVH	(80°-90°)	72.3	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°	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0
2.5°	485.0	485.3	485.6	485.3	485.3	485.0	484.7	485.0	484.7	484.1	484.4
5°	486.5	487.2	487.2	486.5	486.9	486.5	485.9	486.2	485.6	484.7	484.7
7.5°	488.5	488.8	488.8	488.2	488.5	487.8	487.2	486.9	486.2	485.0	484.1
10°	491.3	491.6	491.3	490.6	490.6	489.7	488.2	487.5	486.2	484.4	483.4
12.5°	494.4	494.7	494.4	493.8	493.5	491.9	490.6	489.7	488.8	487.2	485.6
15°	498.8	499.4	498.8	497.6	496.6	495.3	494.7	495.0	495.3	494.1	492.6
17.5°	507.0	507.3	506.4	503.5	502.3	501.0	501.0	501.7	502.6	502.0	500.4
20°	522.0	521.1	518.9	515.5	513.9	511.7	511.4	511.7	511.7	511.4	510.1
22.5°	540.9	540.3	537.5	533.1	530.8	529.6	527.7	526.1	525.8	524.9	523.6
25°	563.5	563.2	559.8	556.0	554.4	552.8	551.3	549.1	547.2	545.0	543.7
27.5°	592.4	591.2	586.2	584.2	582.1	581.1	578.9	576.4	574.8	572.0	570.4
30°	624.1	624.1	620.0	619.4	619.4	617.2	614.7	610.3	607.5	604.7	603.7
32.5°	655.9	656.2	652.1	653.4	654.3	655.9	656.5	654.9	653.1	652.7	650.8
35°	701.7	700.5	696.4	697.3	697.0	696.7	696.7	700.2	700.8	701.4	697.7
37.5°	758.6	758.6	754.5	754.5	752.6	750.7	748.2	750.4	753.9	754.8	752.3
40°	823.6	825.8	820.8	820.5	821.1	815.1	812.3	815.8	818.0	821.7	818.9
42.5°	900.3	898.7	893.6	893.0	889.6	887.7	885.2	888.0	891.5	894.0	894.9
45°	973.7	972.5	966.8	966.8	963.4	961.8	963.1	967.8	969.3	972.8	976.3
47.5°	1046.3	1044.7	1041.0	1042.6	1042.9	1045.7	1049.8	1054.2	1058.5	1063.3	1064.9
50°	1120.4	1120.7	1116.7	1120.4	1125.1	1133.0	1144.0	1151.2	1160.3	1166.3	1168.2
52.5°	1188.0	1189.3	1193.7	1202.4	1211.9	1227.2	1246.1	1263.7	1278.8	1288.8	1288.2
55°	1269.0	1270.9	1281.6	1296.7	1312.0	1335.3	1363.3	1394.4	1419.4	1434.0	1424.9
57.5°	1372.7	1376.8	1388.7	1409.1	1432.0	1462.2	1500.6	1547.3	1586.3	1605.7	1591.0
60°	1515.0	1517.4	1532.0	1554.6	1582.2	1619.5	1670.8	1733.6	1788.5	1814.3	1797.3
62.5°	1702.5	1707.2	1718.9	1741.8	1770.0	1812.5	1875.0	1953.4	2022.0	2057.8	2019.4
65°	1926.4	1941.6	1951.3	1974.5	2000.9	2045.8	2111.2	2195.4	2268.8	2292.4	2248.1
67.5°	2148.2	2161.4	2178.4	2205.1	2231.8	2282.3	2343.0	2424.6	2505.4	2526.7	2457.9
70°	2245.3	2252.8	2279.2	2315.7	2366.8	2426.5	2496.6	2588.3	2688.2	2705.8	2618.4
72.5°	2050.8	2058.4	2087.9	2149.8	2239.0	2333.9	2456.0	2590.8	2722.7	2742.5	2622.2
75°	1551.1	1538.8	1582.5	1664.4	1784.7	1917.0	2087.9	2281.1	2471.8	2496.6	2353.0
77.5°	801.6	800.0	833.0	934.8	1078.4	1228.8	1417.0	1635.3	1821.9	1897.3	1780.4
80°	225.9	228.3	244.1	294.6	378.5	487.2	634.2	838.7	991.3	1069.3	1003.9
82.5°	88.6	95.4	101.5	110.9	121.8	137.9	184.0	273.9	367.5	439.2	359.7
85°	31.7	34.0	48.1	56.9	57.8	61.0	69.5	81.0	97.7	116.5	95.9
87.5°	12.0	13.2	15.3	25.5	25.2	22.9	27.9	29.3	22.0	20.2	24.9
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°	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0
2.5°	483.8	484.1	484.1	484.4	484.7	484.7	485.3	485.3
5°	484.1	484.1	483.4	483.8	483.4	483.4	483.8	483.8
7.5°	483.4	483.1	482.5	482.1	481.5	481.5	481.5	481.5
10°	482.5	482.1	481.5	481.2	480.9	480.9	480.9	480.9
12.5°	485.0	484.1	483.4	483.1	483.1	483.1	483.1	483.1
15°	491.6	489.4	487.8	487.8	488.2	488.8	488.8	489.4
17.5°	499.7	497.3	495.7	494.4	495.0	496.0	496.6	497.3
20°	509.5	508.2	506.1	504.8	504.8	506.1	506.7	507.0
22.5°	523.0	522.0	521.1	519.6	519.6	520.2	521.4	521.4
25°	543.1	542.5	541.9	540.6	540.3	540.3	540.9	541.6
27.5°	568.2	568.6	567.9	567.6	566.6	566.3	567.3	567.0
30°	601.8	603.4	605.0	603.7	602.1	601.2	600.3	599.0
32.5°	647.4	645.5	644.3	642.0	639.2	636.7	634.8	632.6
35°	690.4	687.3	686.0	687.9	687.6	686.0	683.8	681.9
37.5°	743.2	742.6	743.2	746.7	746.0	747.6	743.2	742.9
40°	809.8	810.4	814.8	818.9	821.1	823.3	820.8	818.3
42.5°	887.1	886.7	888.3	894.0	897.7	900.3	894.9	894.3
45°	968.7	966.5	967.8	972.5	976.3	979.1	973.1	973.1
47.5°	1058.5	1054.8	1050.7	1056.1	1058.2	1060.1	1055.4	1053.8
50°	1158.8	1150.9	1142.1	1144.3	1144.3	1143.7	1137.7	1137.4
52.5°	1273.8	1259.3	1243.3	1237.3	1233.9	1230.1	1219.7	1214.7
55°	1405.9	1384.3	1359.2	1343.7	1335.6	1325.2	1307.9	1303.2
57.5°	1560.5	1526.5	1483.3	1464.4	1446.1	1429.3	1410.0	1404.7
60°	1743.6	1693.7	1636.2	1601.3	1581.6	1565.2	1545.5	1544.5
62.5°	1947.8	1868.9	1804.0	1772.6	1758.0	1743.6	1724.8	1727.4
65°	2155.5	2073.1	2012.2	1986.8	1973.3	1961.3	1942.5	1945.3
67.5°	2360.3	2284.6	2217.7	2191.6	2176.5	2161.4	2144.4	2147.3
70°	2507.3	2413.3	2338.0	2280.2	2244.0	2203.2	2176.8	2170.2
72.5°	2465.2	2320.4	2200.7	2086.0	2018.8	1964.2	1927.1	1911.1
75°	2133.5	1935.5	1781.7	1640.9	1561.7	1497.4	1450.5	1421.4
77.5°	1584.3	1362.0	1180.1	1018.0	889.9	803.8	743.2	703.9
80°	867.3	659.6	482.1	338.9	249.1	207.0	182.8	171.2
82.5°	270.2	174.3	128.5	110.9	103.0	98.6	91.5	79.8
85°	86.0	75.4	70.1	66.9	63.7	55.6	38.4	34.9
87.5°	33.2	34.3	34.0	32.0	32.6	23.5	18.8	16.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)