

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: P156964

Luminaire Tested: **UTLD-F03-LED-E-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156964
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33665)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F03-LED-E-U-5WQ-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6391.1 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 78.3
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



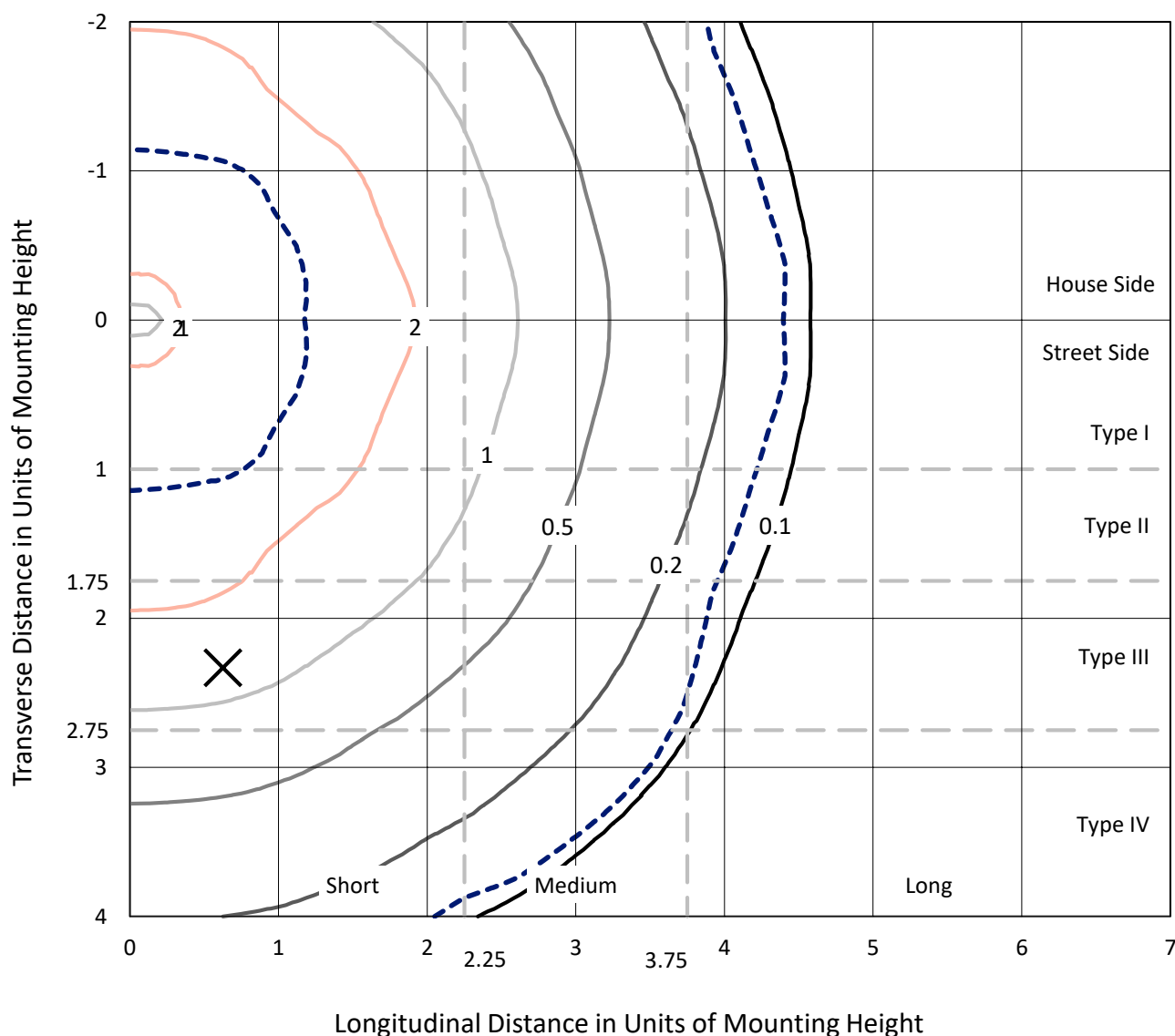
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

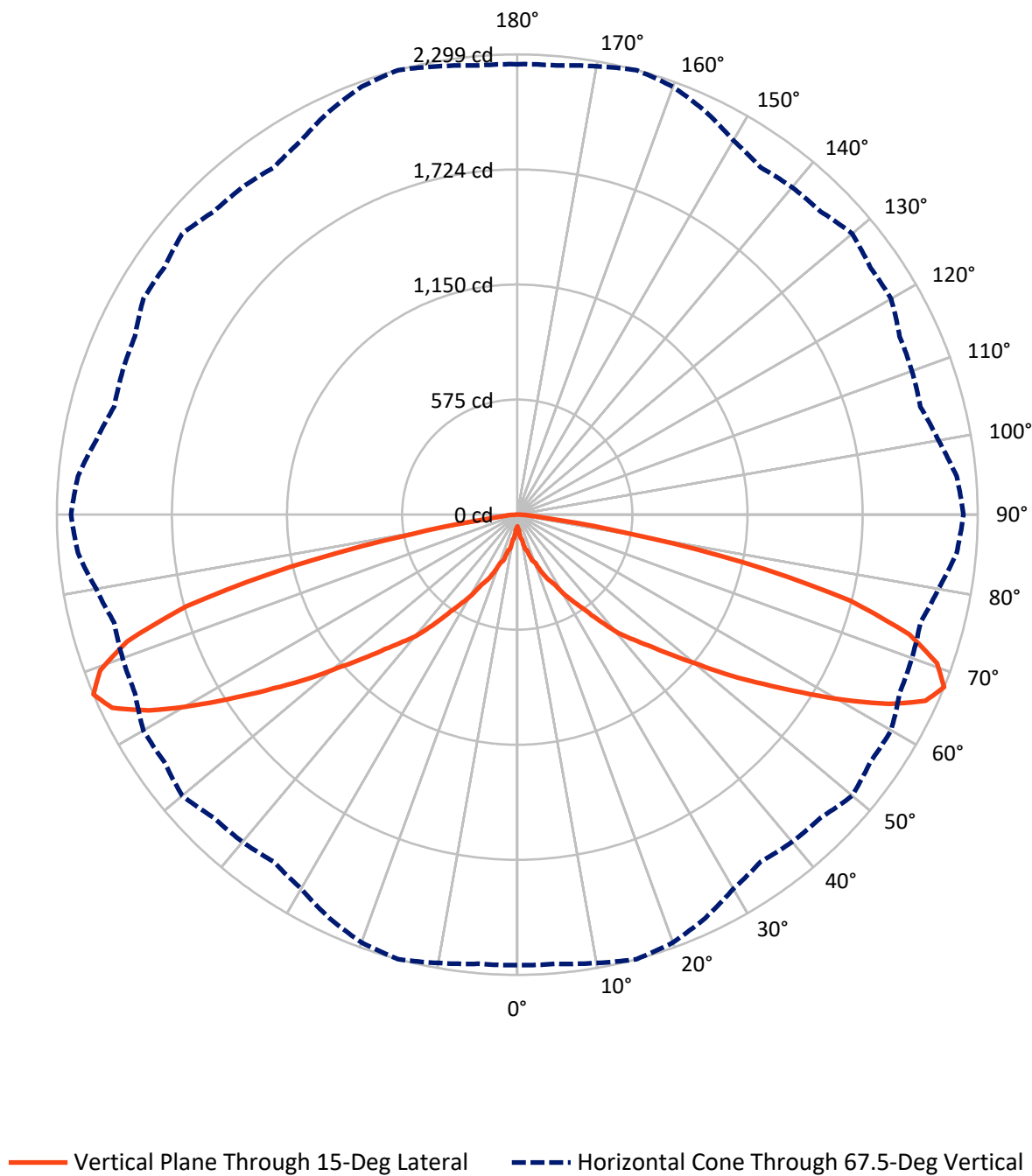


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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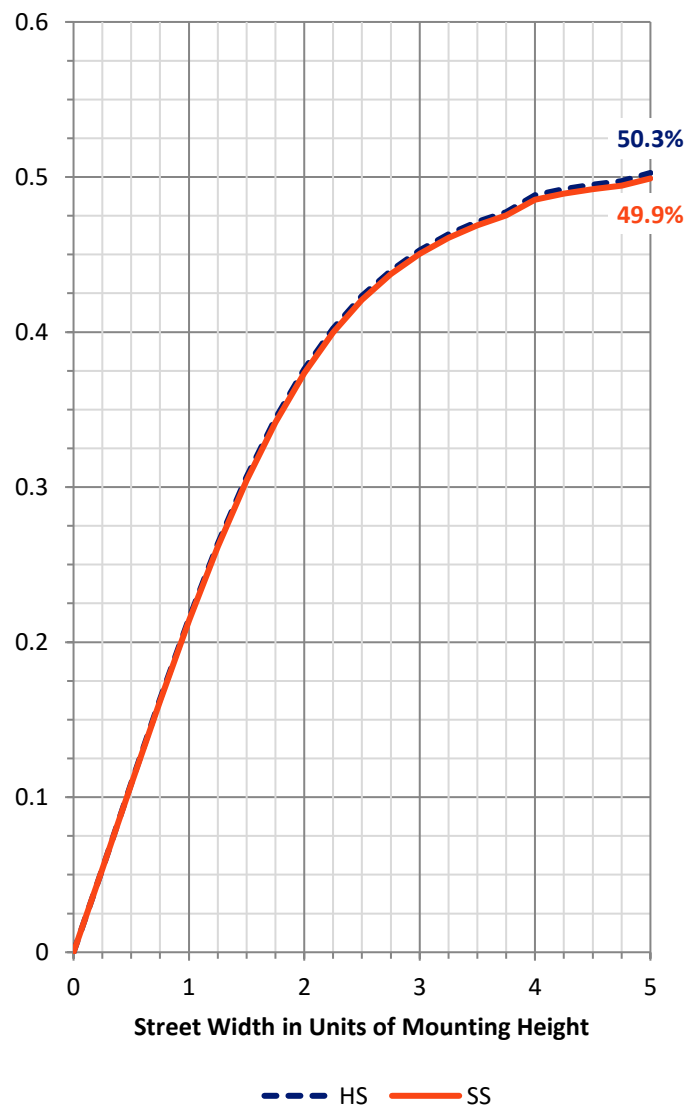
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3195.6	0.0	3195.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3195.6	0.0	3195.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	6391.1	0.0	6391.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.5	0.1
10°-20°	52.9	0.8
20°-30°	174.9	2.7
30°-40°	378.2	5.9
40°-50°	707.7	11.1
50°-60°	1283.8	20.1
60°-70°	2030.7	31.8
70°-80°	1596.7	25.0
80°-90°	157.8	2.5
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°	6391.1	100.0
0°-180°	6391.1	100.0

Coefficient of Utilization



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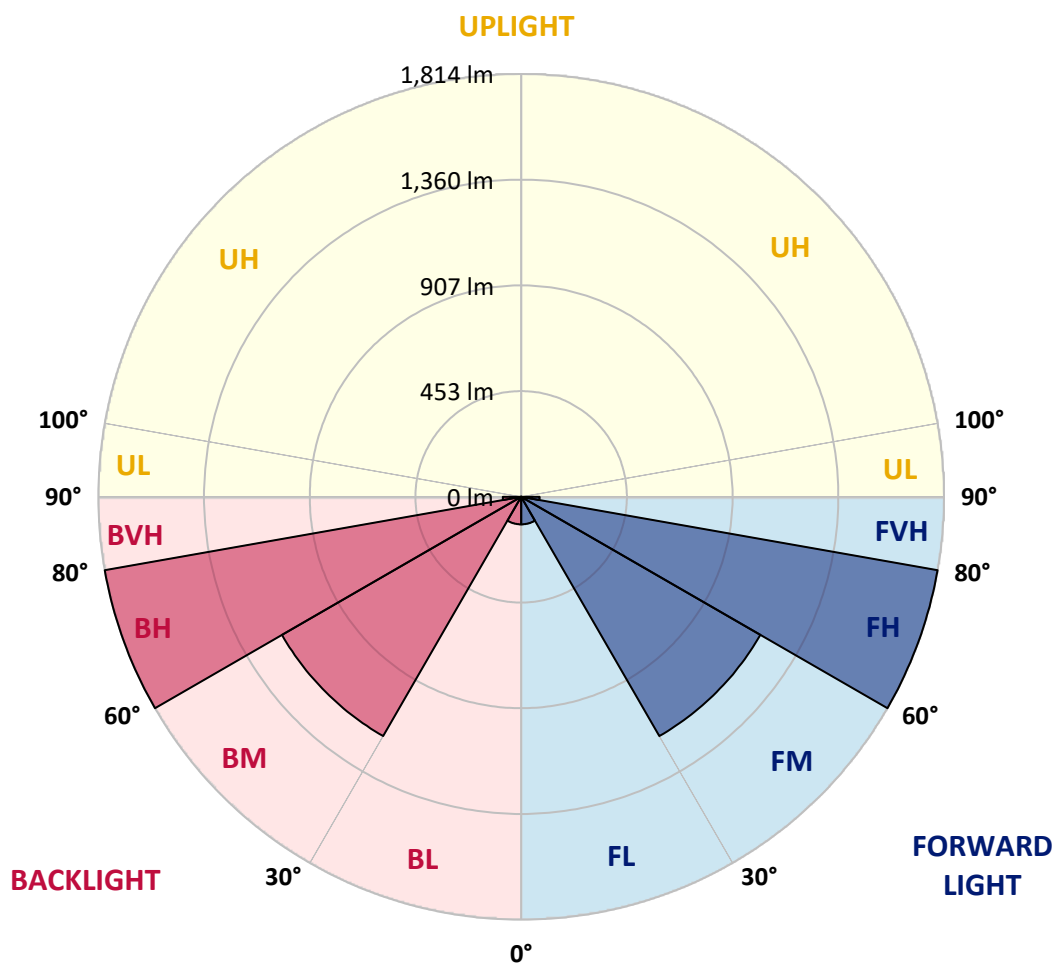
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	118.1	1.8			
FM	(30°-60°)	1184.8	18.5			
FH	(60°-80°)	1813.7	28.4			G2/5000
FVH	(80°-90°)	78.9	1.2			G1/100
BL	(0°-30°)	118.1	1.8	B1/500		
BM	(30°-60°)	1184.8	18.5	B2/2500		
BH	(60°-80°)	1813.7	28.4	B3/2500		G2/5000
BVH	(80°-90°)	78.9	1.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
2.5°	92.2	91.9	91.9	91.9	93.0	90.2	86.0	82.8	80.8	80.6	78.6
5°	73.0	72.6	72.6	73.0	72.7	73.5	73.2	75.2	74.9	80.0	86.8
7.5°	117.0	117.6	117.4	116.0	113.1	104.9	98.7	93.6	78.6	76.6	74.4
10°	126.6	126.7	126.6	124.6	125.0	125.0	123.8	121.6	119.9	116.2	99.0
12.5°	175.3	175.8	176.2	175.0	171.3	154.4	149.6	133.2	129.8	151.9	156.6
15°	189.5	190.3	189.7	186.6	185.5	183.5	180.4	194.0	198.2	181.0	168.2
17.5°	242.6	243.4	242.3	240.3	235.5	220.8	225.4	221.1	218.6	214.9	227.4
20°	279.4	281.0	268.3	257.0	250.0	261.3	274.8	269.2	254.2	255.9	263.3
22.5°	318.9	318.9	317.8	311.8	311.9	326.9	302.0	296.9	315.2	293.5	285.3
25°	385.1	383.4	380.0	357.1	349.8	348.0	343.2	353.7	339.3	368.2	385.1
27.5°	409.4	407.7	399.2	392.2	410.6	404.6	397.5	370.7	426.7	399.2	408.3
30°	472.8	472.8	465.4	460.6	464.8	438.0	428.9	460.6	451.5	455.2	495.9
32.5°	555.3	555.9	546.3	519.4	494.8	499.6	495.4	497.6	511.8	508.1	531.8
35°	646.4	623.4	607.9	587.5	573.7	567.5	559.3	541.4	562.1	557.6	582.2
37.5°	699.5	701.8	689.0	677.2	668.1	628.6	611.6	618.7	619.5	607.9	650.6
40°	809.2	810.3	791.7	777.8	763.2	712.8	685.7	678.9	680.6	682.3	712.2
42.5°	881.6	881.6	866.9	854.4	829.0	795.9	768.2	754.4	757.5	754.1	786.3
45°	967.0	968.7	957.1	941.6	914.1	895.2	854.2	844.6	845.7	840.3	876.0
47.5°	1075.6	1075.3	1070.8	1053.5	1030.9	998.1	969.5	945.8	948.4	945.0	982.0
50°	1202.8	1202.8	1200.0	1178.2	1164.9	1130.2	1093.1	1063.7	1062.3	1062.6	1104.7
52.5°	1344.8	1346.5	1350.7	1335.7	1315.6	1267.6	1223.2	1192.4	1190.6	1193.8	1243.2
55°	1503.0	1511.0	1509.8	1493.2	1480.5	1426.5	1367.4	1338.2	1330.3	1336.6	1385.8
57.5°	1680.6	1684.6	1689.1	1676.1	1645.0	1596.7	1516.4	1492.3	1479.4	1492.1	1543.8
60°	1877.4	1886.8	1885.6	1879.4	1844.1	1791.0	1681.2	1658.3	1651.0	1657.2	1714.0
62.5°	2084.4	2084.7	2096.6	2083.0	2049.4	1996.4	1871.8	1831.6	1821.2	1826.2	1887.4
65°	2229.2	2230.9	2244.2	2241.0	2215.0	2158.2	2066.4	1999.6	2000.7	2007.2	2063.8
67.5°	2250.1	2252.1	2273.9	2299.0	2274.2	2222.7	2157.9	2117.5	2134.8	2141.6	2183.6
70°	2165.8	2170.1	2196.1	2223.2	2218.2	2178.8	2121.2	2107.0	2124.3	2138.7	2178.6
72.5°	2000.7	2003.0	2022.2	2047.1	2027.3	1993.1	1927.2	1951.0	1948.4	1967.4	2006.7
75°	1698.2	1690.3	1709.8	1716.3	1682.6	1647.3	1593.0	1631.7	1615.0	1631.2	1651.2
77.5°	1141.2	1133.2	1140.9	1168.9	1145.1	1141.7	1127.6	1170.8	1177.9	1188.1	1189.5
80°	441.1	456.6	496.5	540.9	553.6	587.3	614.4	663.9	697.0	724.1	710.2
82.5°	87.1	95.6	115.6	140.2	168.0	201.9	242.9	285.0	326.0	347.5	330.5
85°	31.6	38.2	48.4	56.9	59.9	64.5	72.1	86.8	101.2	104.0	105.2
87.5°	8.4	14.7	27.4	37.1	37.3	33.7	35.6	37.4	32.8	26.0	35.4
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°	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
2.5°	76.4	70.7	65.1	61.9	60.8	59.6	58.8	58.2
5°	88.2	91.6	87.6	80.6	70.7	65.0	61.1	60.0
7.5°	75.2	75.2	86.8	90.8	80.6	72.1	63.6	62.2
10°	84.8	92.8	101.2	110.5	125.0	113.1	95.3	92.2
12.5°	154.1	130.9	112.3	112.2	127.2	128.6	103.2	100.1
15°	163.7	164.5	171.9	156.1	153.0	166.0	148.2	142.5
17.5°	207.2	204.4	199.3	175.9	164.0	168.2	170.2	164.5
20°	240.9	228.7	284.8	290.1	265.0	265.8	261.6	256.8
22.5°	332.2	334.8	314.4	313.8	294.6	328.0	361.1	346.6
25°	350.9	369.0	430.6	420.7	408.8	391.6	400.3	380.0
27.5°	456.9	445.6	457.5	445.6	477.6	461.7	452.1	447.3
30°	480.1	500.8	512.9	503.6	505.8	503.6	487.2	495.4
32.5°	549.1	539.8	558.4	573.7	583.9	586.1	558.4	574.6
35°	594.9	618.9	616.9	611.6	616.4	625.4	610.7	611.3
37.5°	658.2	664.2	659.4	658.0	660.5	665.6	667.8	659.4
40°	716.2	720.4	716.8	721.8	725.8	728.1	747.3	717.6
42.5°	797.6	791.4	796.8	803.6	802.1	801.9	819.4	803.6
45°	889.2	887.8	883.6	888.1	899.1	882.7	910.4	905.9
47.5°	995.6	995.6	988.2	992.4	1010.2	997.8	1022.1	1029.8
50°	1119.1	1122.2	1101.8	1113.2	1117.7	1120.5	1144.0	1164.9
52.5°	1257.4	1260.2	1232.0	1238.4	1235.0	1256.5	1282.3	1314.8
55°	1407.8	1403.0	1367.6	1379.6	1381.0	1418.0	1433.8	1487.2
57.5°	1557.6	1556.2	1531.9	1531.6	1553.4	1592.1	1605.4	1665.4
60°	1722.8	1723.0	1693.1	1699.8	1720.0	1757.8	1808.2	1858.2
62.5°	1893.6	1906.3	1880.6	1860.8	1882.8	1931.7	2007.5	2046.0
65°	2046.5	2072.3	2030.1	2029.8	2004.7	2085.0	2143.8	2191.3
67.5°	2152.3	2155.6	2106.5	2097.2	2083.6	2135.3	2202.0	2228.0
70°	2152.3	2117.8	2069.7	2062.7	2040.0	2060.1	2141.0	2156.2
72.5°	1981.2	1943.9	1878.3	1889.6	1863.9	1892.2	1956.0	1963.4
75°	1625.2	1575.2	1530.5	1548.6	1534.5	1585.6	1640.8	1628.6
77.5°	1159.0	1097.3	1039.1	1038.6	1039.9	1052.6	1090.8	1073.3
80°	668.7	609.9	553.6	518.9	483.2	454.4	437.4	415.1
82.5°	294.3	237.0	193.7	156.1	132.6	107.2	94.2	80.9
85°	93.0	76.0	65.0	59.4	54.3	50.9	44.1	37.9
87.5°	41.8	41.0	38.5	39.6	39.6	34.2	23.8	19.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)