

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: P156963

Luminaire Tested: **UTLD-F03-LED-E-U-5WQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156963
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-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5905.8 lumens
Efficiency: N/A
Efficacy: 75.4 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 - G1

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

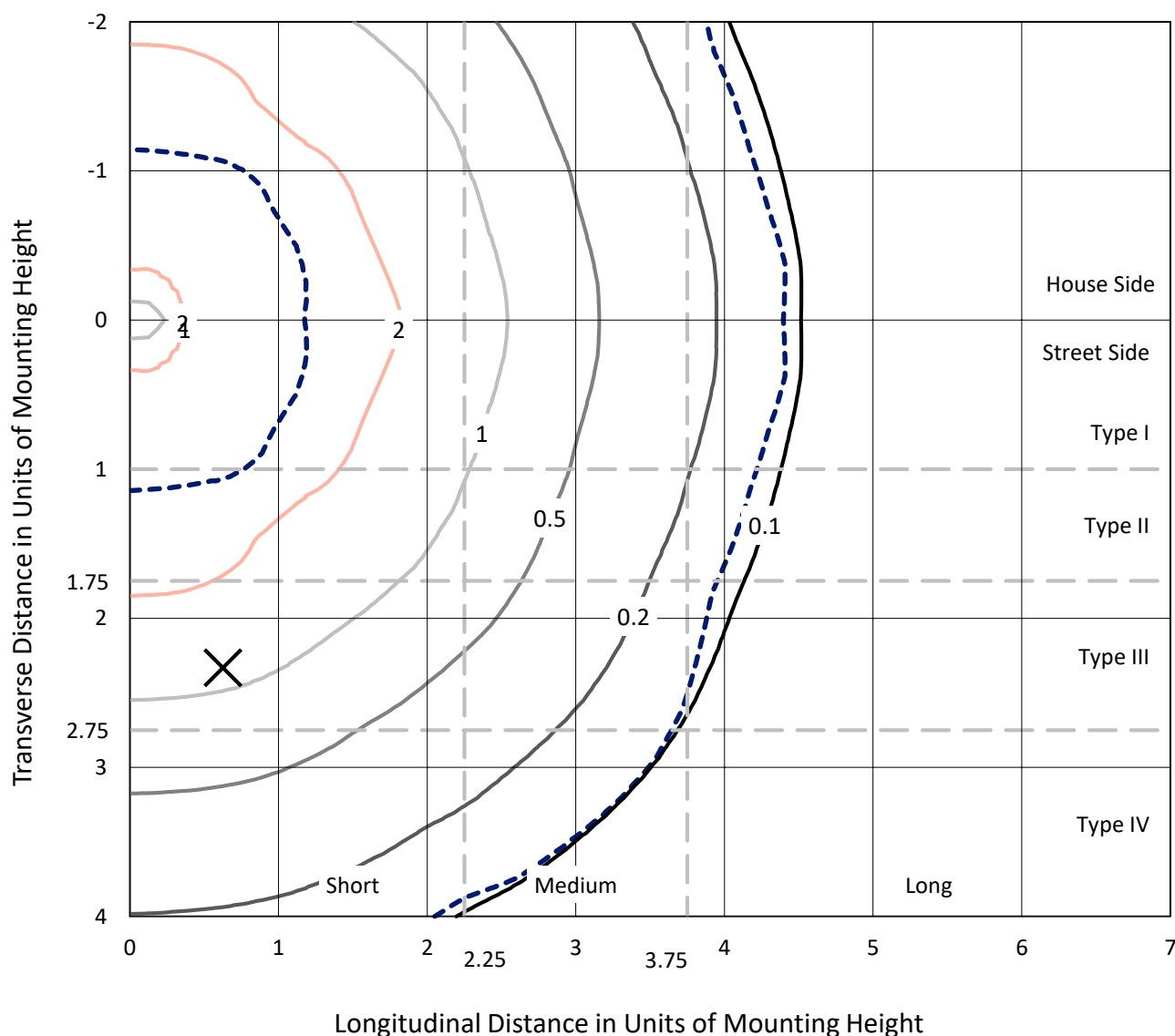


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

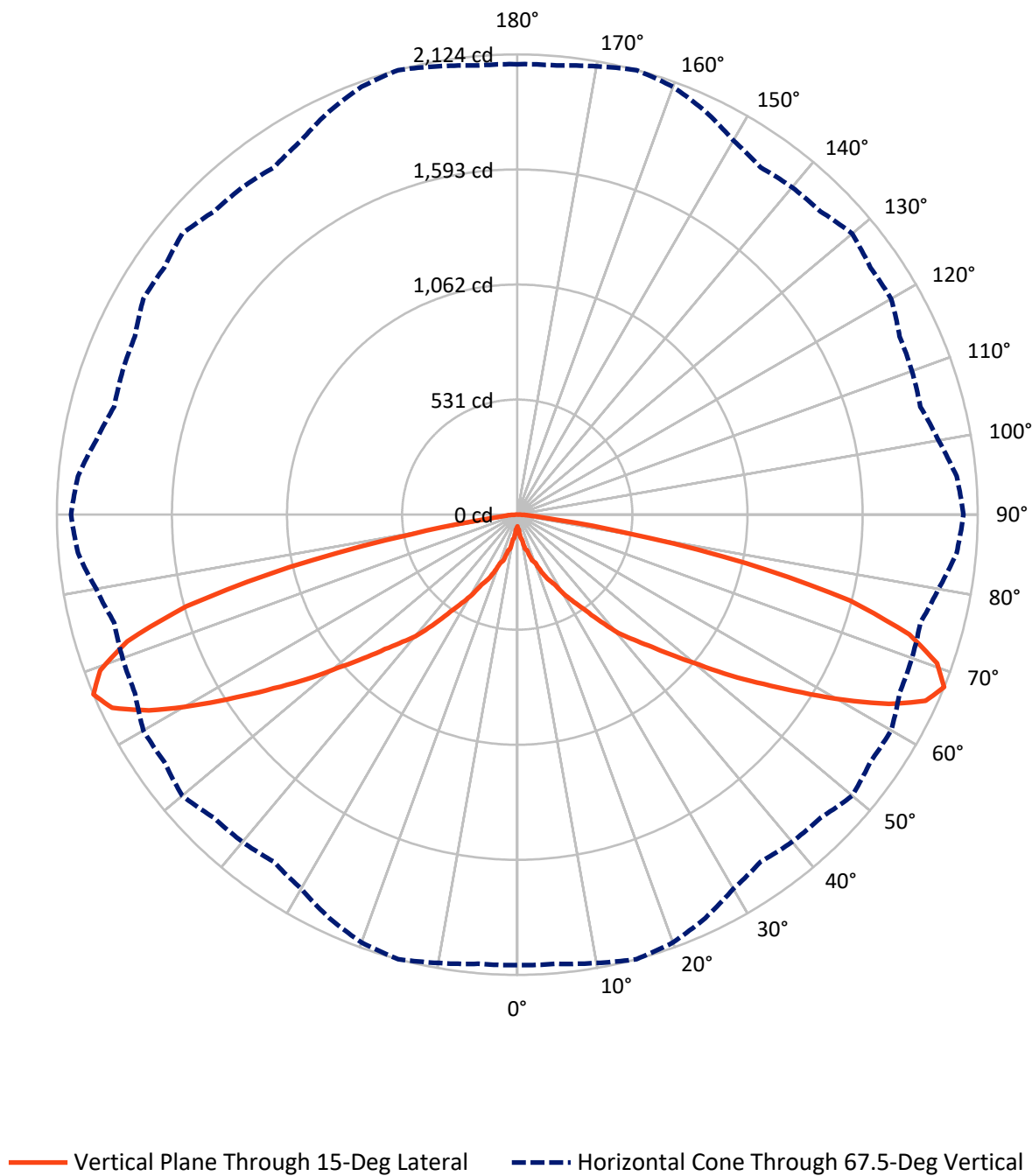


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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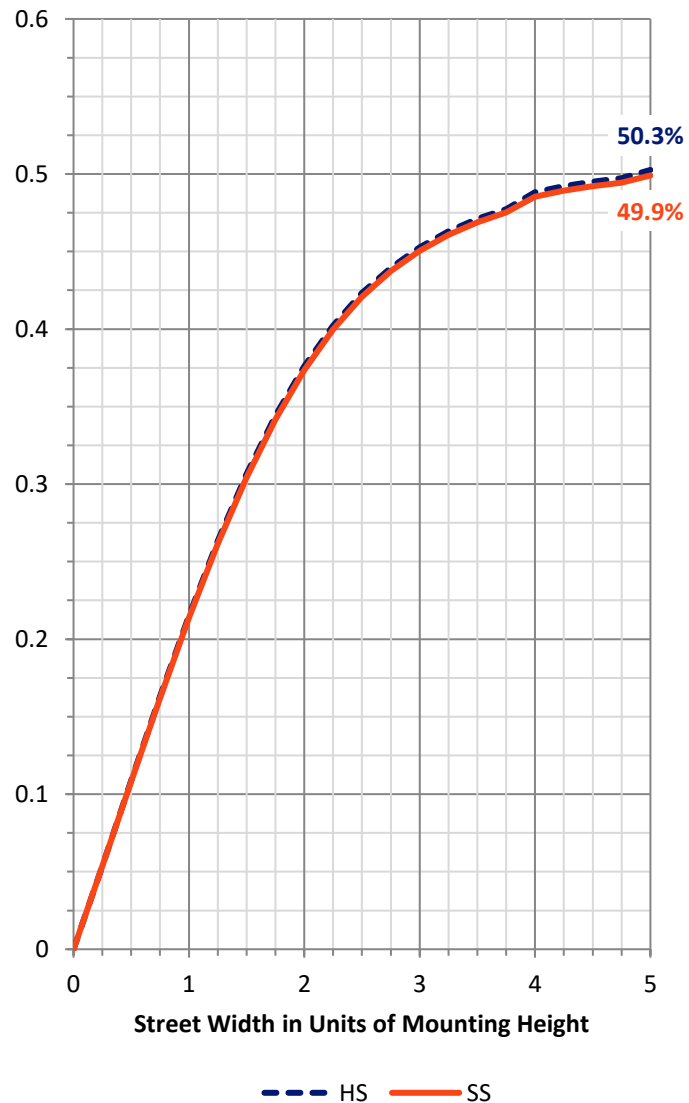
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2952.9	0.0	2952.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2952.9	0.0	2952.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	5905.8	0.0	5905.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.1
10°-20°	48.8	0.8
20°-30°	161.6	2.7
30°-40°	349.5	5.9
40°-50°	653.9	11.1
50°-60°	1186.3	20.1
60°-70°	1876.5	31.8
70°-80°	1475.5	25.0
80°-90°	145.8	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°	5905.8	100.0
0°-180°	5905.8	100.0

Coefficient of Utilization



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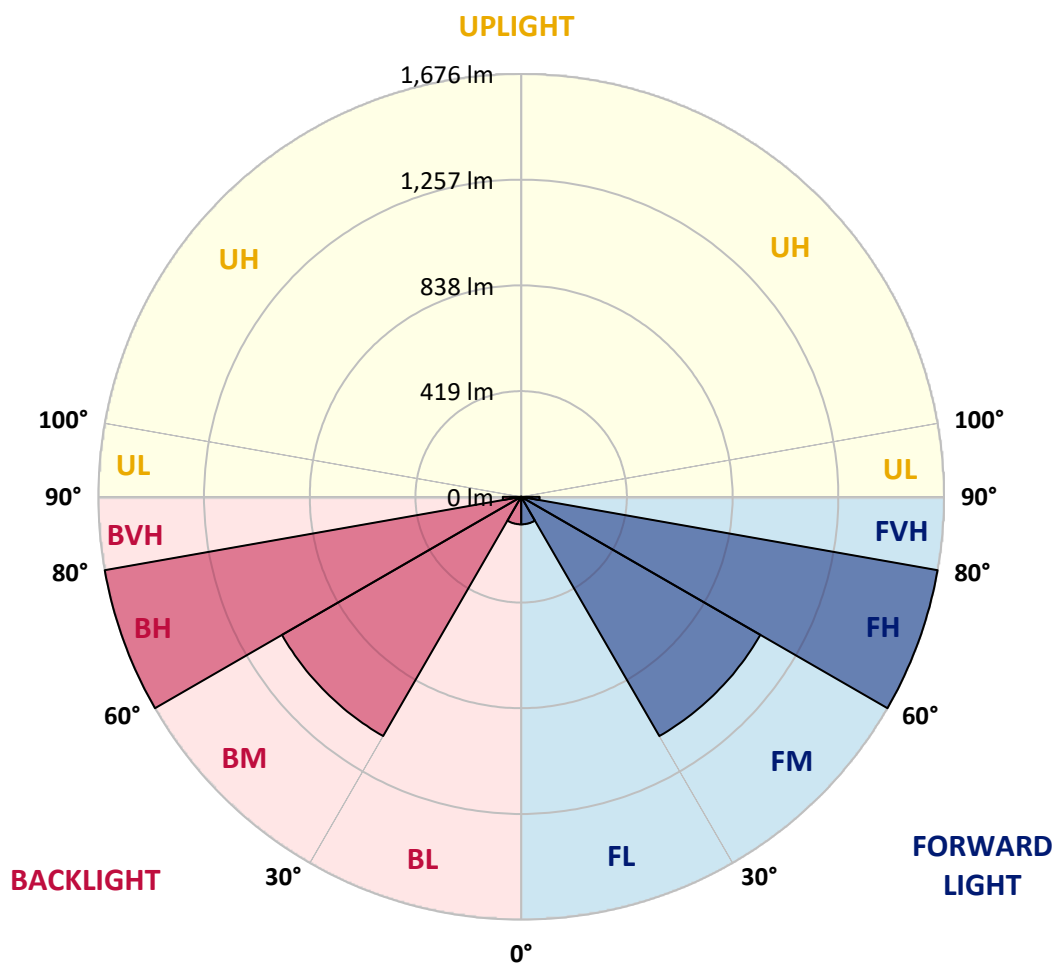
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	109.2	1.8			
FM	(30°-60°)	1094.9	18.5			
FH	(60°-80°)	1676.0	28.4			G1/1800
FVH	(80°-90°)	72.9	1.2			G1/100
BL	(0°-30°)	109.2	1.8	B0/110		
BM	(30°-60°)	1094.9	18.5	B2/2500		
BH	(60°-80°)	1676.0	28.4	B3/2500		G1/1800
BVH	(80°-90°)	72.9	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
2.5°	85.2	84.9	84.9	84.9	86.0	83.4	79.4	76.6	74.7	74.5	72.6
5°	67.4	67.2	67.2	67.4	67.1	67.9	67.6	69.5	69.2	73.9	80.2
7.5°	108.2	108.7	108.4	107.1	104.5	97.0	91.2	86.5	72.6	70.8	68.7
10°	117.0	117.0	117.0	115.2	115.5	115.5	114.4	112.3	110.8	107.4	91.4
12.5°	162.0	162.5	162.8	161.7	158.4	142.6	138.2	123.1	119.9	140.3	144.8
15°	175.0	175.9	175.3	172.4	171.4	169.6	166.7	179.2	183.2	167.2	155.5
17.5°	224.2	225.0	223.9	222.1	217.6	204.0	208.2	204.3	202.0	198.6	210.1
20°	258.2	259.8	248.0	237.5	231.0	241.4	254.0	248.7	234.9	236.5	243.2
22.5°	294.7	294.7	293.7	288.2	288.2	302.0	279.1	274.3	291.3	271.2	263.6
25°	355.8	354.3	351.2	330.0	323.2	321.6	317.2	326.8	313.5	340.2	355.8
27.5°	378.4	376.7	368.9	362.4	379.4	373.9	367.4	342.5	394.2	368.9	377.3
30°	436.8	436.8	430.0	425.6	429.5	404.7	396.3	425.6	417.3	420.6	458.3
32.5°	513.2	513.7	504.8	480.0	457.2	461.7	457.8	459.8	472.9	469.5	491.5
35°	597.2	576.1	561.8	542.9	530.1	524.4	516.8	500.3	519.4	515.2	538.0
37.5°	646.4	648.5	636.7	625.8	617.4	580.8	565.2	571.7	572.4	561.7	601.2
40°	747.8	748.8	731.6	718.8	705.2	658.7	633.6	627.3	628.9	630.4	658.2
42.5°	814.6	814.6	801.0	789.6	766.0	735.5	709.9	697.1	699.9	696.8	726.6
45°	893.6	895.1	884.4	870.0	844.7	827.2	789.3	780.4	781.5	776.5	809.4
47.5°	993.9	993.6	989.4	973.5	952.6	922.3	895.9	874.0	876.3	873.2	907.4
50°	1111.4	1111.4	1108.8	1088.7	1076.5	1044.3	1010.1	982.9	981.6	981.9	1020.8
52.5°	1242.6	1244.2	1248.1	1234.3	1215.7	1171.3	1130.3	1101.8	1100.2	1103.1	1148.8
55°	1388.9	1396.3	1395.2	1379.8	1368.1	1318.2	1263.5	1236.6	1229.3	1235.0	1280.5
57.5°	1553.0	1556.7	1560.9	1548.8	1520.1	1475.4	1401.2	1379.0	1367.0	1378.8	1426.6
60°	1734.8	1743.5	1742.4	1736.7	1704.0	1655.0	1553.6	1532.4	1525.6	1531.4	1583.9
62.5°	1926.2	1926.4	1937.4	1924.8	1893.8	1844.9	1729.6	1692.6	1682.9	1687.6	1744.0
65°	2059.9	2061.5	2073.8	2070.9	2046.8	1994.3	1909.4	1847.8	1848.8	1854.8	1907.0
67.5°	2079.2	2081.0	2101.2	2124.4	2101.4	2053.9	1994.1	1956.7	1972.6	1978.9	2017.8
70°	2001.4	2005.3	2029.4	2054.4	2049.7	2013.4	1960.1	1947.0	1963.0	1976.3	2013.2
72.5°	1848.8	1850.9	1868.6	1891.6	1873.4	1841.7	1780.8	1802.8	1800.4	1818.0	1854.3
75°	1569.2	1561.9	1579.9	1585.9	1554.8	1522.2	1472.0	1507.8	1492.4	1507.3	1525.9
77.5°	1054.5	1047.2	1054.2	1080.1	1058.2	1055.0	1042.0	1081.9	1088.5	1097.9	1099.2
80°	407.6	422.0	458.8	499.8	511.6	542.7	567.8	613.5	644.0	669.1	656.3
82.5°	80.5	88.3	106.9	129.6	155.2	186.5	224.4	263.4	301.3	321.1	305.4
85°	29.2	35.3	44.7	52.5	55.4	59.6	66.6	80.2	93.5	96.2	97.2
87.5°	7.8	13.6	25.3	34.2	34.5	31.1	32.9	34.5	30.3	24.1	32.7
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°	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
2.5°	70.5	65.3	60.1	57.2	56.2	55.1	54.3	53.8
5°	81.5	84.6	81.0	74.4	65.3	60.1	56.4	55.4
7.5°	69.5	69.5	80.2	83.9	74.4	66.6	58.8	57.5
10°	78.4	85.7	93.6	102.2	115.5	104.5	88.1	85.1
12.5°	142.4	121.0	103.7	103.7	117.6	118.9	95.4	92.4
15°	151.2	152.1	158.9	144.2	141.4	153.4	136.9	131.7
17.5°	191.5	188.9	184.2	162.5	151.5	155.4	157.3	152.0
20°	222.6	211.4	263.1	268.1	244.8	245.6	241.7	237.2
22.5°	307.0	309.4	290.5	290.0	272.2	303.0	333.7	320.3
25°	324.2	341.0	397.9	388.8	377.8	361.9	370.0	351.2
27.5°	422.2	411.8	422.8	411.8	441.3	426.6	417.8	413.4
30°	443.6	462.8	474.0	465.3	467.4	465.3	450.2	457.8
32.5°	507.4	498.8	516.0	530.1	539.5	541.6	516.0	530.9
35°	549.7	572.0	570.1	565.1	569.6	578.0	564.4	564.9
37.5°	608.2	613.8	609.3	608.0	610.4	615.1	617.1	609.3
40°	661.8	665.8	662.4	667.0	670.7	672.8	690.6	663.2
42.5°	737.0	731.3	736.2	742.6	741.2	741.0	757.1	742.6
45°	821.7	820.4	816.5	820.7	830.9	815.7	841.4	837.1
47.5°	920.0	920.0	913.1	917.1	933.6	922.0	944.5	951.6
50°	1034.1	1037.0	1018.2	1028.6	1032.8	1035.4	1057.1	1076.4
52.5°	1161.9	1164.5	1138.4	1144.4	1141.2	1161.1	1184.9	1215.0
55°	1300.9	1296.4	1263.8	1274.8	1276.1	1310.3	1325.0	1374.4
57.5°	1439.4	1438.1	1415.6	1415.4	1435.5	1471.2	1483.6	1539.0
60°	1591.9	1592.2	1564.5	1570.8	1589.4	1624.4	1670.8	1717.1
62.5°	1749.8	1761.5	1737.7	1719.4	1739.8	1785.0	1855.0	1890.6
65°	1891.1	1914.9	1876.0	1875.7	1852.5	1926.6	1981.0	2024.9
67.5°	1988.8	1992.0	1946.5	1937.9	1925.4	1973.2	2034.8	2058.8
70°	1988.8	1957.0	1912.5	1906.0	1885.1	1903.6	1978.4	1992.5
72.5°	1830.8	1796.3	1735.6	1746.1	1722.3	1748.5	1807.5	1814.3
75°	1501.8	1455.6	1414.3	1431.0	1417.9	1465.2	1516.2	1504.9
77.5°	1071.0	1014.0	960.2	959.6	961.0	972.8	1008.0	991.8
80°	617.9	563.6	511.6	479.4	446.6	419.9	404.2	383.6
82.5°	272.0	219.0	179.0	144.2	122.5	99.0	87.0	74.7
85°	86.0	70.3	60.1	54.9	50.2	47.0	40.8	35.0
87.5°	38.7	37.9	35.5	36.6	36.6	31.6	21.9	17.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)