

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: P156994

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156994
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33666)
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-5XQ-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6430.9 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

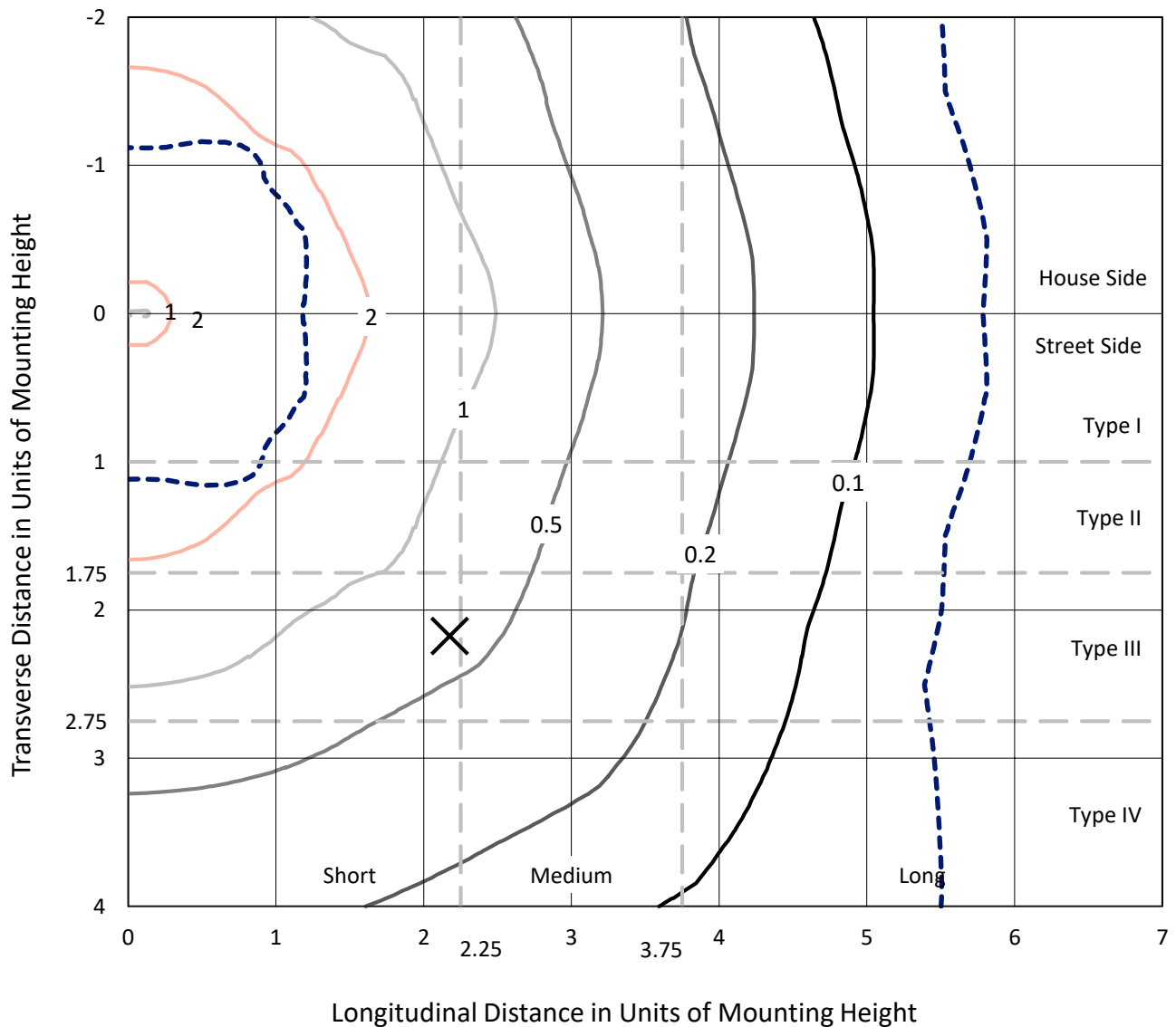
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

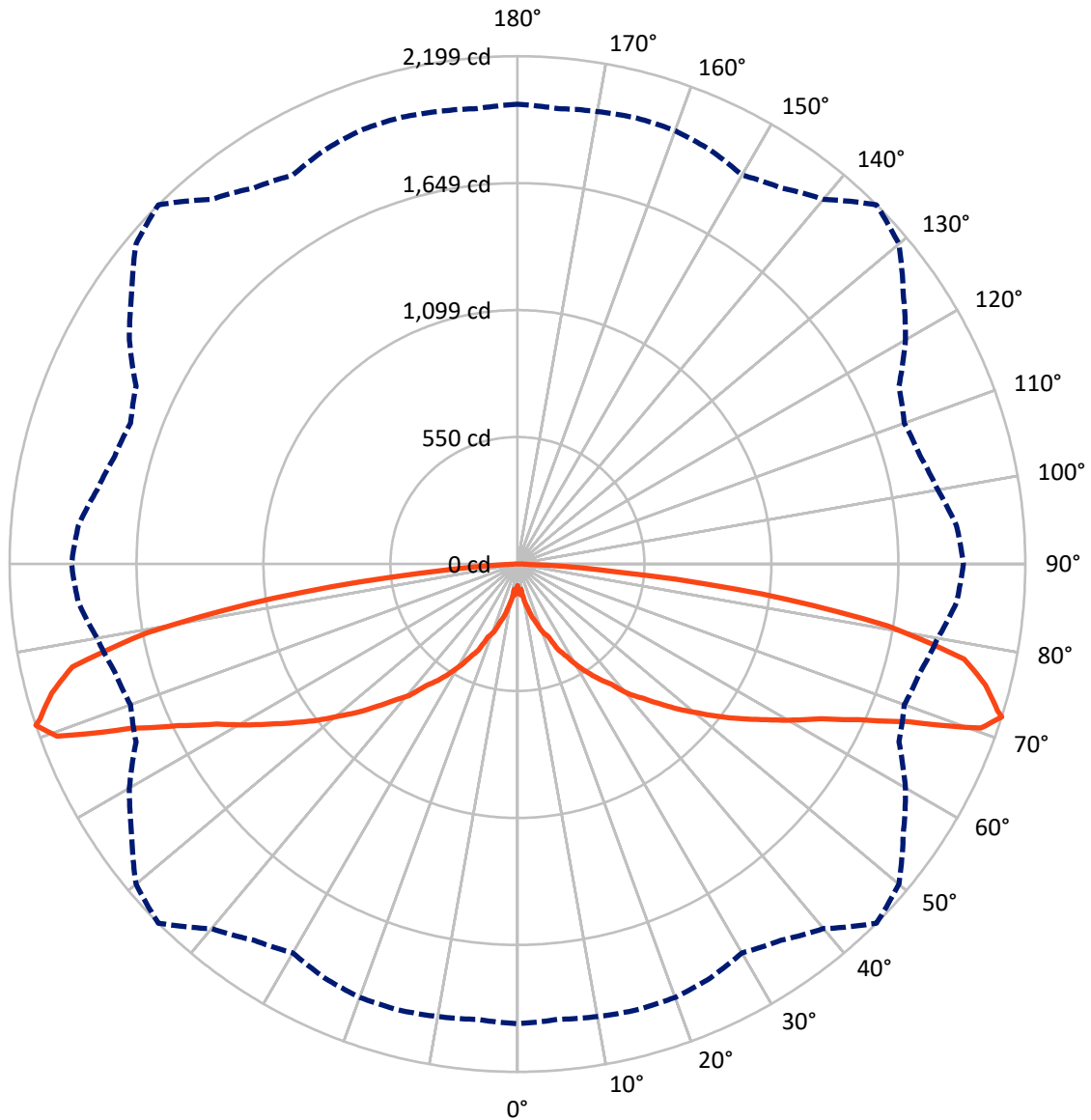
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical



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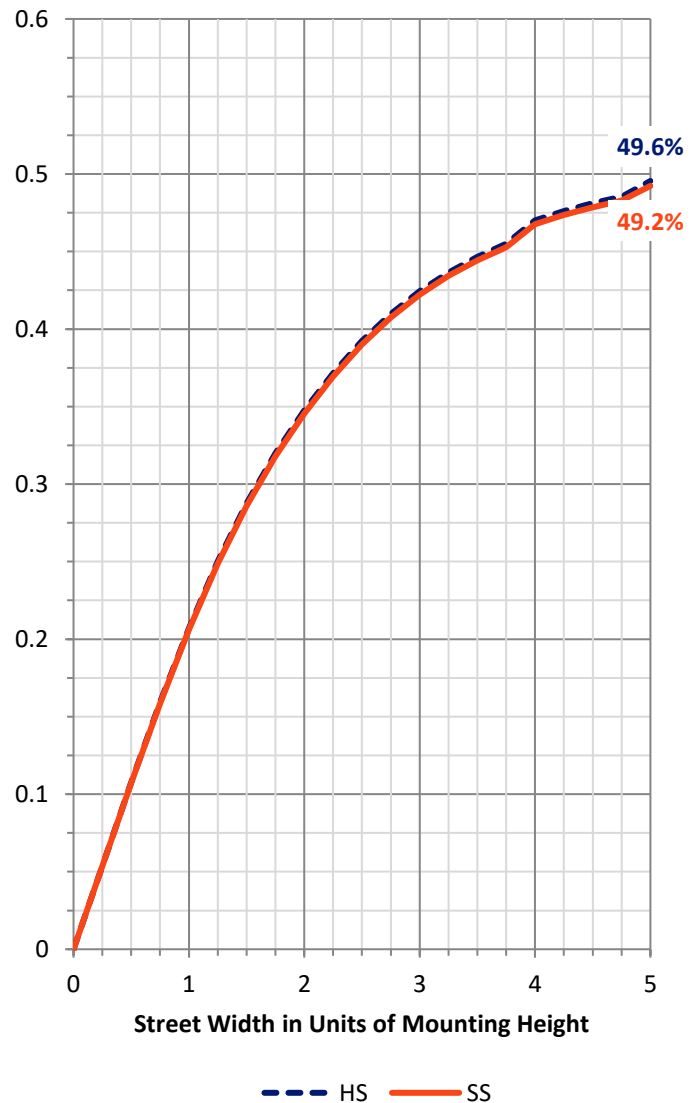
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3215.5	0.0	3215.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3215.5	0.0	3215.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6430.9	0.0	6430.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.5	0.2
10°-20°	68.3	1.1
20°-30°	202.9	3.2
30°-40°	412.2	6.4
40°-50°	703.1	10.9
50°-60°	1090.7	17.0
60°-70°	1635.5	25.4
70°-80°	1891.7	29.4
80°-90°	413.9	6.4
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°	6430.9	100.0
0°-180°	6430.9	100.0



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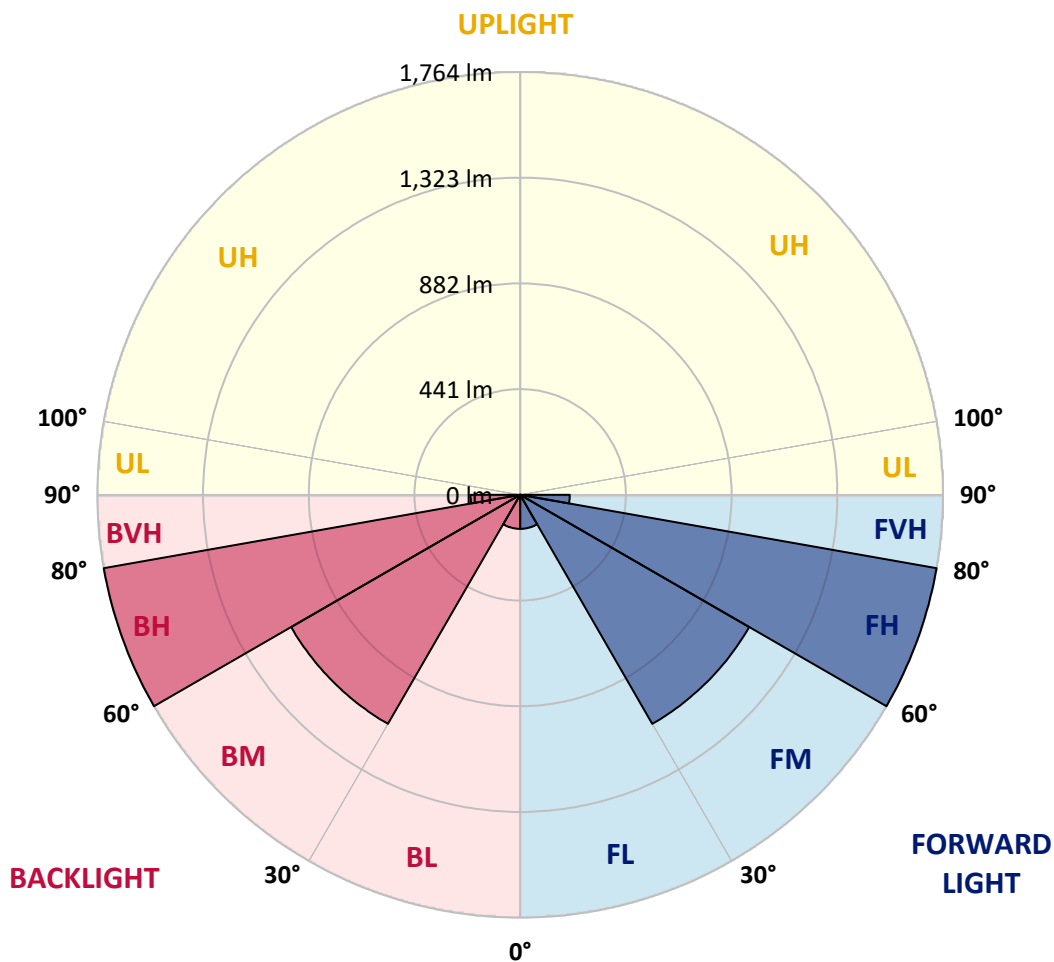
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	141.9	2.2			
FM (30°-60°)	1103.0	17.2			
FH (60°-80°)	1763.6	27.4			G1/1800
FVH (80°-90°)	206.9	3.2			G2/225
BL (0°-30°)	141.9	2.2	B1/500		
BM (30°-60°)	1103.0	17.2	B2/2500		
BH (60°-80°)	1763.6	27.4	B3/2500		G1/1800
BVH (80°-90°)	206.9	3.2			G2/225
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°	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
2.5°	148.2	145.9	147.0	145.9	145.9	144.8	130.1	125.5	125.5	126.7	124.4
5°	109.7	110.8	109.7	113.1	115.4	110.8	110.8	113.1	114.2	133.5	135.7
7.5°	169.6	170.8	169.6	168.5	156.1	143.6	141.4	138.0	113.1	110.8	108.6
10°	176.4	176.4	178.7	174.2	173.0	173.0	171.9	170.8	164.0	160.6	136.8
12.5°	235.2	237.5	236.4	234.1	233.0	204.7	200.2	178.7	170.8	194.5	214.9
15°	245.4	244.3	246.6	242.0	239.8	239.8	229.6	238.6	255.6	236.4	221.7
17.5°	304.2	304.2	304.2	302.0	294.1	271.4	273.7	278.2	277.1	269.2	278.2
20°	340.4	340.4	338.2	316.7	302.0	315.5	334.8	324.6	311.0	315.5	323.5
22.5°	374.4	375.5	373.2	366.4	365.3	376.6	359.7	349.5	372.1	340.4	356.3
25°	441.1	442.2	438.8	407.2	402.6	402.6	400.4	406.0	391.3	410.5	437.7
27.5°	477.3	456.9	453.5	444.5	463.7	455.8	452.4	427.5	478.4	452.4	470.5
30°	531.6	531.6	527.0	521.4	518.0	494.2	485.2	501.0	503.3	508.9	556.4
32.5°	613.0	615.3	602.8	572.3	551.9	547.4	554.2	551.9	557.6	561.0	600.6
35°	679.7	680.9	658.2	637.9	623.2	608.5	605.1	597.2	611.9	613.0	643.5
37.5°	751.0	757.8	736.3	726.1	702.3	679.7	653.7	650.3	666.2	660.5	709.1
40°	857.3	860.7	841.5	818.8	769.1	743.1	713.7	710.3	711.4	737.4	761.2
42.5°	922.9	924.0	907.1	879.9	850.5	820.0	779.3	764.5	771.3	794.0	815.4
45°	996.4	995.3	980.6	959.1	928.5	889.0	840.3	827.9	834.7	862.9	882.2
47.5°	1072.2	1069.9	1059.7	1034.9	997.5	954.6	905.9	901.4	901.4	938.7	954.6
50°	1145.7	1146.8	1136.6	1112.9	1067.7	1025.8	987.4	969.3	974.9	1013.4	1031.5
52.5°	1228.3	1230.5	1215.8	1190.9	1142.3	1110.6	1072.2	1045.0	1045.0	1098.2	1114.0
55°	1314.2	1315.3	1306.3	1274.6	1237.3	1200.0	1154.7	1121.9	1123.1	1181.9	1195.5
57.5°	1402.4	1400.2	1390.0	1366.2	1341.4	1281.4	1232.8	1203.4	1211.3	1271.2	1281.4
60°	1495.2	1494.0	1483.9	1461.2	1423.9	1350.4	1322.1	1304.0	1297.2	1371.9	1373.0
62.5°	1601.5	1597.0	1589.0	1568.7	1517.8	1451.1	1420.5	1411.5	1397.9	1474.8	1478.2
65°	1732.7	1724.8	1719.1	1696.5	1645.6	1567.6	1528.0	1538.1	1529.1	1624.1	1611.7
67.5°	1935.1	1920.4	1902.3	1882.0	1825.4	1754.2	1699.9	1722.5	1716.8	1820.9	1816.4
70°	2099.1	2090.1	2088.9	2086.7	2059.5	2014.3	1954.4	1973.6	1997.3	2128.5	2115.0
72°	1990.5	1979.2	1989.4	1998.5	1996.2	1977.0	1944.2	1988.3	2060.7	2198.6	2155.7
72.5°	1964.5	1953.2	1960.0	1967.9	1967.9	1949.8	1920.4	1962.3	2039.2	2173.8	2133.0
75°	1843.5	1840.1	1845.8	1856.0	1867.3	1858.2	1853.7	1879.7	1960.0	2092.3	2041.4
77.5°	1644.5	1649.0	1655.8	1670.5	1692.0	1702.1	1728.2	1768.9	1859.3	1977.0	1935.1
80°	1255.4	1248.6	1265.6	1296.1	1318.7	1341.4	1376.4	1426.2	1521.2	1627.5	1563.0
82.5°	419.6	469.4	496.5	555.3	632.2	685.4	761.2	860.7	977.2	1065.4	985.1
85°	36.2	43.0	59.9	82.6	106.3	141.4	213.8	268.0	354.0	433.2	366.4
87.5°	9.0	14.7	26.0	36.2	37.3	38.5	43.0	46.4	50.9	52.0	64.5
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°	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
2.5°	122.1	116.5	106.3	96.1	95.0	93.9	92.7	91.6
5°	136.8	144.8	125.5	123.3	118.8	97.3	93.9	91.6
7.5°	109.7	110.8	128.9	128.9	116.5	113.1	93.9	91.6
10°	122.1	118.8	145.9	170.8	177.6	165.1	138.0	135.7
12.5°	208.1	181.0	156.1	158.3	177.6	171.9	153.8	134.6
15°	220.5	212.6	216.0	214.9	212.6	227.3	204.7	200.2
17.5°	271.4	263.5	261.3	233.0	220.5	221.7	227.3	212.6
20°	291.8	292.9	352.9	354.0	331.4	328.0	326.9	323.5
22.5°	394.7	392.5	380.0	375.5	352.9	418.5	427.5	427.5
25°	413.9	446.7	493.1	492.0	479.5	460.3	463.7	442.2
27.5°	515.7	515.7	514.6	525.9	542.9	532.7	525.9	515.7
30°	537.2	572.3	581.3	564.4	572.3	583.6	596.0	607.3
32.5°	599.4	593.8	626.6	641.3	653.7	662.8	633.4	644.7
35°	649.2	669.5	675.2	675.2	684.2	689.9	670.7	670.7
37.5°	705.7	714.8	710.3	717.0	720.4	732.9	730.6	725.0
40°	753.2	762.3	760.0	764.5	763.4	784.9	791.7	767.9
42.5°	813.2	818.8	815.4	817.7	832.4	842.6	864.1	849.4
45°	873.1	878.8	875.4	878.8	903.7	908.2	937.6	935.3
47.5°	942.1	943.2	943.2	954.6	976.0	979.4	1012.2	1011.1
50°	1015.6	1021.3	1011.1	1025.8	1049.6	1064.3	1091.4	1106.1
52.5°	1098.2	1102.7	1076.7	1112.9	1132.1	1154.7	1168.3	1192.1
55°	1172.8	1179.6	1152.5	1188.7	1206.8	1228.3	1262.2	1283.7
57.5°	1252.0	1247.5	1247.5	1256.5	1273.5	1302.9	1347.0	1386.6
60°	1342.5	1326.7	1324.4	1324.4	1357.2	1408.1	1443.1	1483.9
62.5°	1447.7	1421.7	1426.2	1410.3	1448.8	1511.0	1552.8	1603.7
65°	1573.2	1542.7	1535.9	1528.0	1556.2	1625.2	1689.7	1728.2
67.5°	1759.8	1714.6	1689.7	1681.8	1714.6	1780.2	1861.6	1902.3
70°	2036.9	1957.7	1872.9	1853.7	1854.8	1919.3	1986.0	2023.3
72°	2039.2	1939.6	1822.0	1782.4	1805.1	1848.0	1908.0	1930.6
72.5°	2008.6	1913.6	1790.4	1761.0	1794.9	1827.7	1893.3	1910.2
75°	1939.6	1844.6	1721.4	1702.1	1715.7	1737.2	1799.4	1805.1
77.5°	1825.4	1719.1	1569.8	1532.5	1499.7	1544.9	1591.3	1576.6
80°	1464.6	1343.6	1202.2	1174.0	1117.4	1148.0	1175.1	1153.6
82.5°	860.7	717.0	592.6	522.5	433.2	411.7	420.7	352.9
85°	273.7	183.2	128.9	87.1	76.9	59.9	49.8	43.0
87.5°	59.9	49.8	45.2	41.8	41.8	35.1	24.9	20.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)