

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: P156996

Luminaire Tested: **UTLD-F03-LED-E-U-5XQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156996
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-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7224.8 lumens
Efficiency: N/A
Efficacy: 92.3 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 - G3

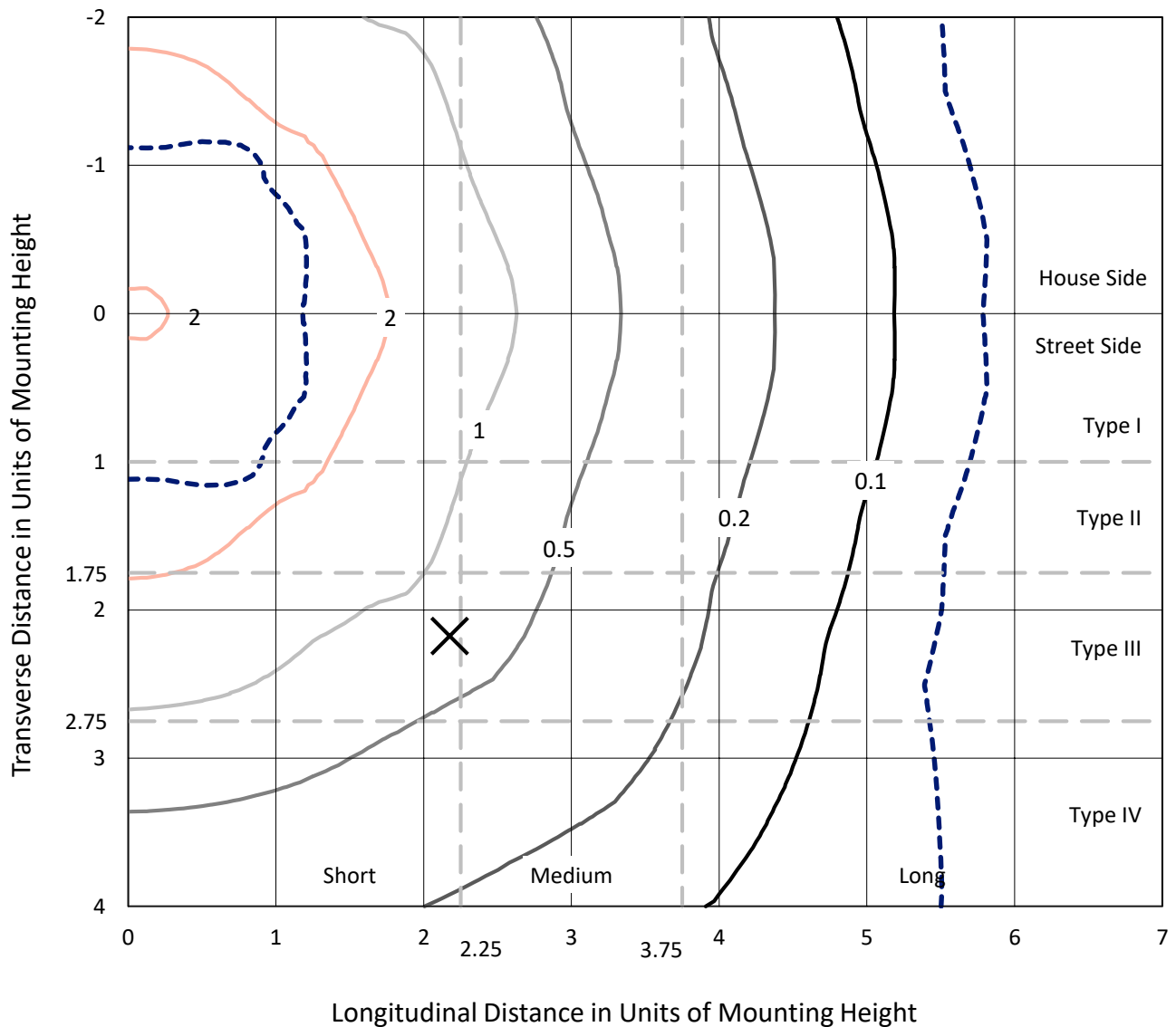
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P156996
 CATALOG NUMBER: UTLD-F03-LED-E-U-5XQ-7050

Iso-Footcandle Lines of Horizontal Illumination

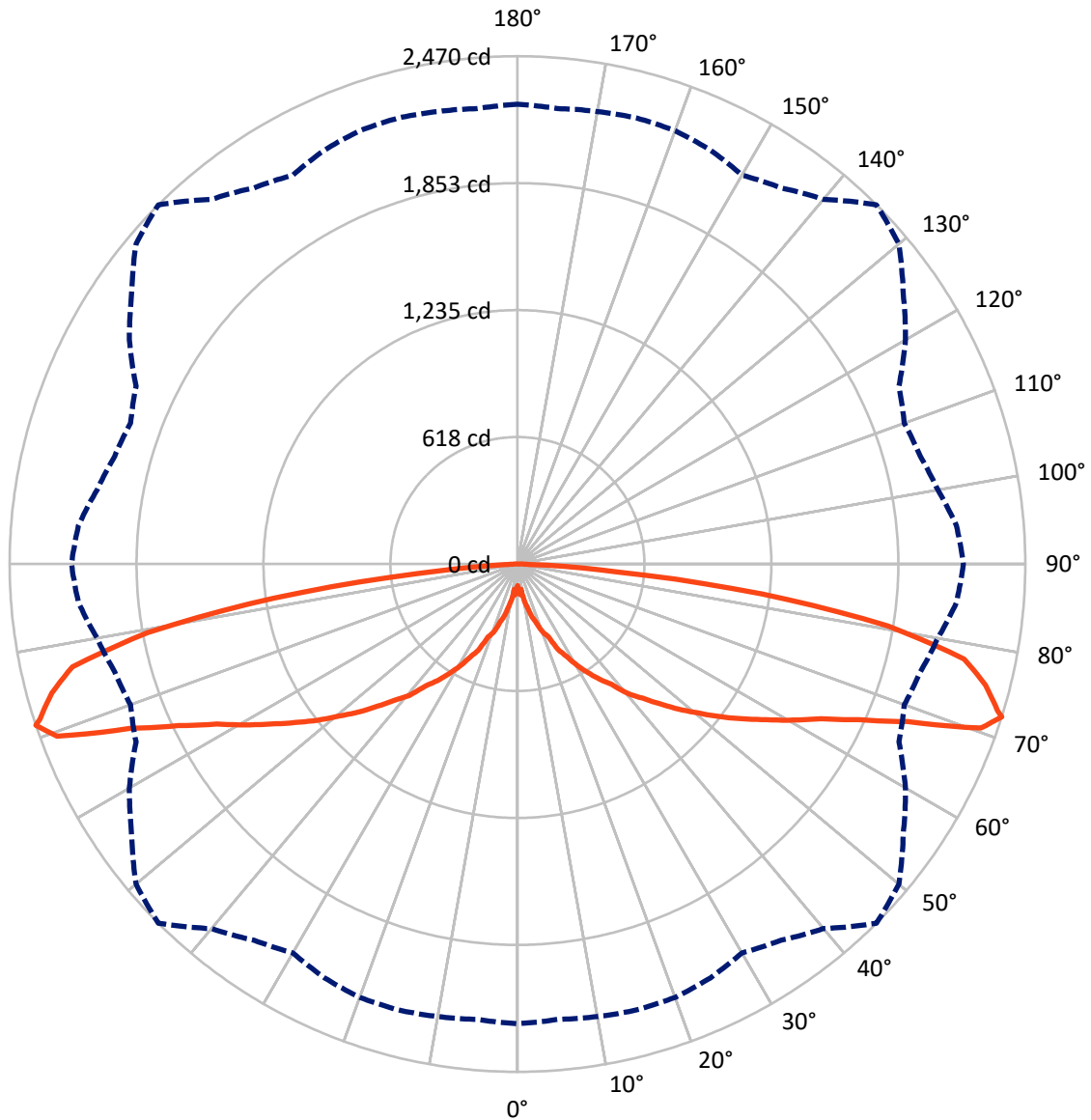
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P156996
CATALOG NUMBER: UTLD-F03-LED-E-U-5XQ-7050

Luminous Intensity Polar Plot



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

REPORT NUMBER: P156996

CATALOG NUMBER: UTLD-F03-LED-E-U-5XQ-7050

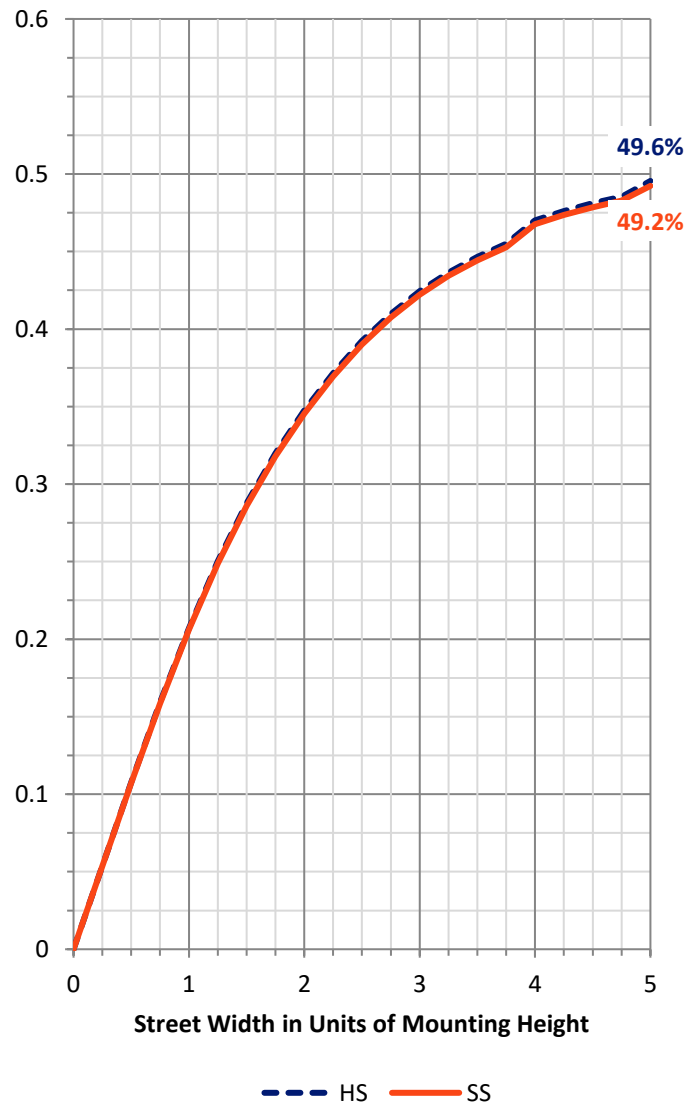
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3612.4	0.0	3612.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3612.4	0.0	3612.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	7224.8	0.0	7224.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	0.2
10°-20°	76.8	1.1
20°-30°	228.0	3.2
30°-40°	463.1	6.4
40°-50°	789.9	10.9
50°-60°	1225.4	17.0
60°-70°	1837.4	25.4
70°-80°	2125.3	29.4
80°-90°	465.0	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°	7224.8	100.0
0°-180°	7224.8	100.0



REPORT NUMBER: P156996

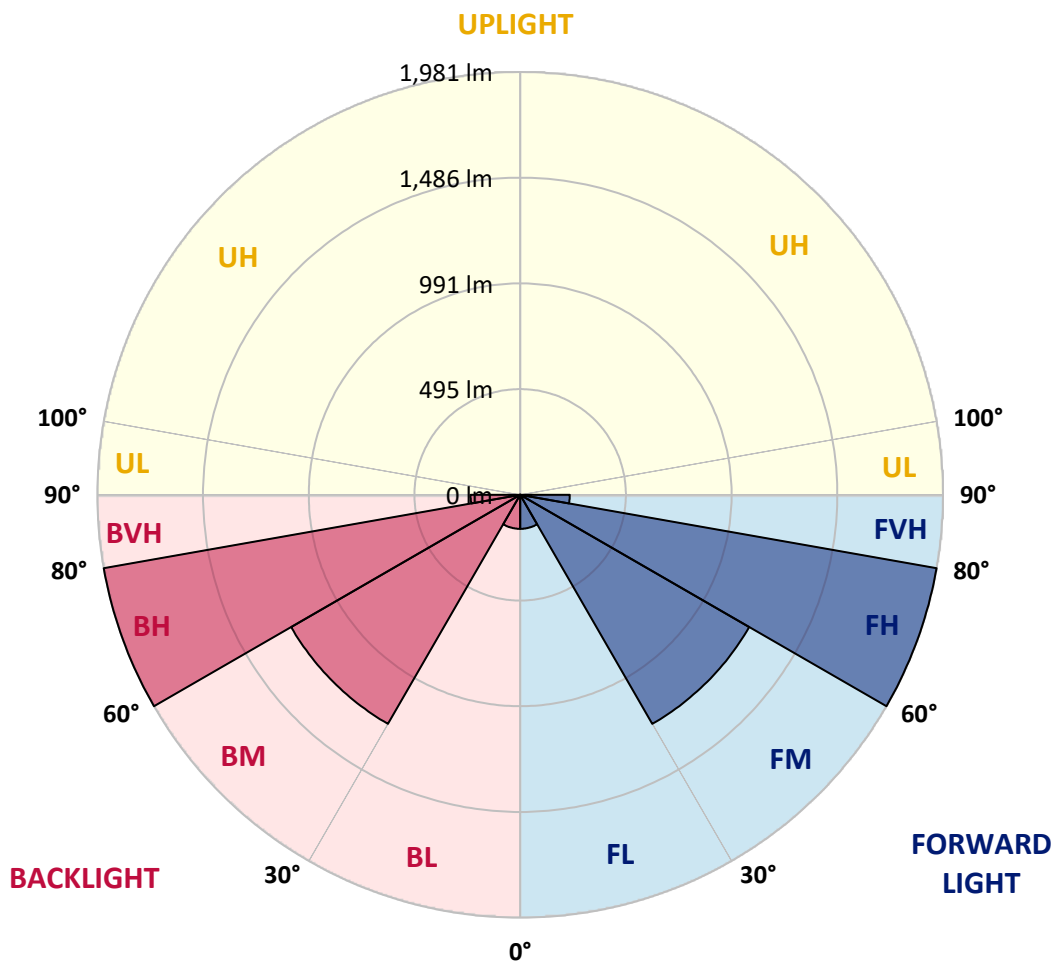
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	159.4	2.2			
FM (30°-60°)	1239.2	17.2			
FH (60°-80°)	1981.3	27.4			G2/5000
FVH (80°-90°)	232.5	3.2			G3/500
BL (0°-30°)	159.4	2.2	B1/500		
BM (30°-60°)	1239.2	17.2	B2/2500		
BH (60°-80°)	1981.3	27.4	B3/2500		G2/5000
BVH (80°-90°)	232.5	3.2			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short





REPORT NUMBER: P156996

CATALOG NUMBER: UTLD-F03-LED-E-U-5XQ-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2
2.5°	166.5	163.9	165.2	163.9	163.9	162.6	146.1	141.0	141.0	142.3	139.8
5°	123.2	124.5	123.2	127.1	129.6	124.5	124.5	127.1	128.3	149.9	152.5
7.5°	190.6	191.9	190.6	189.3	175.3	161.4	158.8	155.0	127.1	124.5	122.0
10°	198.2	198.2	200.8	195.7	194.4	194.4	193.1	191.9	184.2	180.4	153.7
12.5°	264.3	266.8	265.6	263.0	261.7	230.0	224.9	200.8	191.9	218.5	241.4
15°	275.7	274.5	277.0	271.9	269.4	269.4	257.9	268.1	287.2	265.6	249.0
17.5°	341.8	341.8	341.8	339.3	330.4	304.9	307.5	312.6	311.3	302.4	312.6
20°	382.5	382.5	379.9	355.8	339.3	354.5	376.1	364.7	349.4	354.5	363.4
22.5°	420.6	421.8	419.3	411.7	410.4	423.1	404.1	392.6	418.0	382.5	400.2
25°	495.5	496.8	493.0	457.4	452.3	452.3	449.8	456.2	439.6	461.2	491.7
27.5°	536.2	513.3	509.5	499.4	521.0	512.1	508.2	480.3	537.5	508.2	528.6
30°	597.2	597.2	592.1	585.8	581.9	555.3	545.1	562.9	565.4	571.8	625.1
32.5°	688.7	691.2	677.2	642.9	620.1	615.0	622.6	620.1	626.4	630.2	674.7
35°	763.6	764.9	739.5	716.6	700.1	683.6	679.8	670.9	687.4	688.7	723.0
37.5°	843.7	851.3	827.2	815.7	789.1	763.6	734.4	730.6	748.4	742.0	796.7
40°	963.1	966.9	945.3	919.9	864.0	834.8	801.8	797.9	799.2	828.4	855.1
42.5°	1036.8	1038.1	1019.0	988.5	955.5	921.2	875.5	858.9	866.6	892.0	916.1
45°	1119.4	1118.1	1101.6	1077.5	1043.2	998.7	944.1	930.1	937.7	969.5	991.1
47.5°	1204.5	1202.0	1190.6	1162.6	1120.7	1072.4	1017.8	1012.7	1012.7	1054.6	1072.4
50°	1287.1	1288.4	1277.0	1250.3	1199.5	1152.4	1109.2	1088.9	1095.3	1138.5	1158.8
52.5°	1379.9	1382.4	1365.9	1338.0	1283.3	1247.7	1204.5	1174.0	1174.0	1233.8	1251.6
55°	1476.5	1477.7	1467.6	1432.0	1390.1	1348.1	1297.3	1260.4	1261.7	1327.8	1343.0
57.5°	1575.6	1573.0	1561.6	1534.9	1506.9	1439.6	1385.0	1351.9	1360.8	1428.2	1439.6
60°	1679.8	1678.5	1667.0	1641.6	1599.7	1517.1	1485.3	1465.0	1457.4	1541.3	1542.5
62.5°	1799.2	1794.1	1785.2	1762.3	1705.2	1630.2	1595.9	1585.7	1570.5	1656.9	1660.7
65°	1946.6	1937.7	1931.3	1905.9	1848.7	1761.1	1716.6	1728.0	1717.9	1824.6	1810.6
67.5°	2174.0	2157.5	2137.2	2114.3	2050.8	1970.7	1909.7	1935.1	1928.8	2045.7	2040.6
70°	2358.3	2348.1	2346.8	2344.3	2313.8	2263.0	2195.6	2217.2	2243.9	2391.3	2376.0
72°	2236.3	2223.6	2235.0	2245.2	2242.6	2221.0	2184.2	2233.7	2315.1	2470.1	2421.8
72.5°	2207.1	2194.3	2202.0	2210.9	2210.9	2190.5	2157.5	2204.5	2290.9	2442.1	2396.4
75°	2071.1	2067.3	2073.6	2085.1	2097.8	2087.6	2082.5	2111.8	2202.0	2350.6	2293.5
77.5°	1847.5	1852.6	1860.2	1876.7	1900.8	1912.3	1941.5	1987.2	2088.9	2221.0	2174.0
80°	1410.4	1402.8	1421.8	1456.1	1481.5	1506.9	1546.3	1602.2	1709.0	1828.4	1756.0
82.5°	471.4	527.3	557.8	623.9	710.3	770.0	855.1	966.9	1097.8	1196.9	1106.7
85°	40.7	48.3	67.3	92.8	119.4	158.8	240.1	301.1	397.7	486.6	411.7
87.5°	10.2	16.5	29.2	40.7	41.9	43.2	48.3	52.1	57.2	58.4	72.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P156996

CATALOG NUMBER: UTLD-F03-LED-E-U-5XQ-7050

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2
2.5°	137.2	130.9	119.4	108.0	106.7	105.5	104.2	102.9
5°	153.7	162.6	141.0	138.5	133.4	109.3	105.5	102.9
7.5°	123.2	124.5	144.8	144.8	130.9	127.1	105.5	102.9
10°	137.2	133.4	163.9	191.9	199.5	185.5	155.0	152.5
12.5°	233.8	203.3	175.3	177.9	199.5	193.1	172.8	151.2
15°	247.8	238.9	242.7	241.4	238.9	255.4	230.0	224.9
17.5°	304.9	296.1	293.5	261.7	247.8	249.0	255.4	238.9
20°	327.8	329.1	396.4	397.7	372.3	368.5	367.2	363.4
22.5°	443.4	440.9	426.9	421.8	396.4	470.1	480.3	480.3
25°	465.0	501.9	554.0	552.7	538.7	517.1	521.0	496.8
27.5°	579.4	579.4	578.1	590.8	609.9	598.5	590.8	579.4
30°	603.5	642.9	653.1	634.0	642.9	655.6	669.6	682.3
32.5°	673.4	667.1	703.9	720.4	734.4	744.6	711.5	724.2
35°	729.3	752.2	758.6	758.6	768.7	775.1	753.5	753.5
37.5°	792.9	803.0	797.9	805.6	809.4	823.4	820.8	814.5
40°	846.2	856.4	853.9	858.9	857.7	881.8	889.4	862.7
42.5°	913.6	919.9	916.1	918.7	935.2	946.6	970.7	954.2
45°	980.9	987.3	983.5	987.3	1015.2	1020.3	1053.3	1050.8
47.5°	1058.4	1059.7	1059.7	1072.4	1096.5	1100.4	1137.2	1135.9
50°	1141.0	1147.4	1135.9	1152.4	1179.1	1195.6	1226.1	1242.7
52.5°	1233.8	1238.8	1209.6	1250.3	1271.9	1297.3	1312.5	1339.2
55°	1317.6	1325.2	1294.8	1335.4	1355.7	1379.9	1418.0	1442.1
57.5°	1406.6	1401.5	1401.5	1411.7	1430.7	1463.7	1513.3	1557.8
60°	1508.2	1490.4	1487.9	1487.9	1524.7	1581.9	1621.3	1667.0
62.5°	1626.4	1597.2	1602.2	1584.5	1627.7	1697.5	1744.6	1801.7
65°	1767.4	1733.1	1725.5	1716.6	1748.4	1825.9	1898.3	1941.5
67.5°	1977.1	1926.2	1898.3	1889.4	1926.2	1999.9	2091.4	2137.2
70°	2288.4	2199.4	2104.1	2082.5	2083.8	2156.2	2231.2	2273.1
72°	2290.9	2179.1	2047.0	2002.5	2027.9	2076.2	2143.5	2168.9
72.5°	2256.6	2149.9	2011.4	1978.3	2016.5	2053.3	2127.0	2146.1
75°	2179.1	2072.4	1933.9	1912.3	1927.5	1951.7	2021.5	2027.9
77.5°	2050.8	1931.3	1763.6	1721.7	1684.8	1735.7	1787.8	1771.2
80°	1645.4	1509.5	1350.7	1318.9	1255.4	1289.7	1320.2	1296.0
82.5°	966.9	805.6	665.8	587.0	486.6	462.5	472.7	396.4
85°	307.5	205.8	144.8	97.8	86.4	67.3	55.9	48.3
87.5°	67.3	55.9	50.8	47.0	47.0	39.4	28.0	22.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)