

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: P156988

Luminaire Tested: **UTLD-E03-LED-E-U-5XQ-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P156988  
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-E03-LED-E-U-5XQ-8030  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE  
Light Source: (63) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7198.5 lumens  
Efficiency: N/A  
Efficacy: 95.7 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

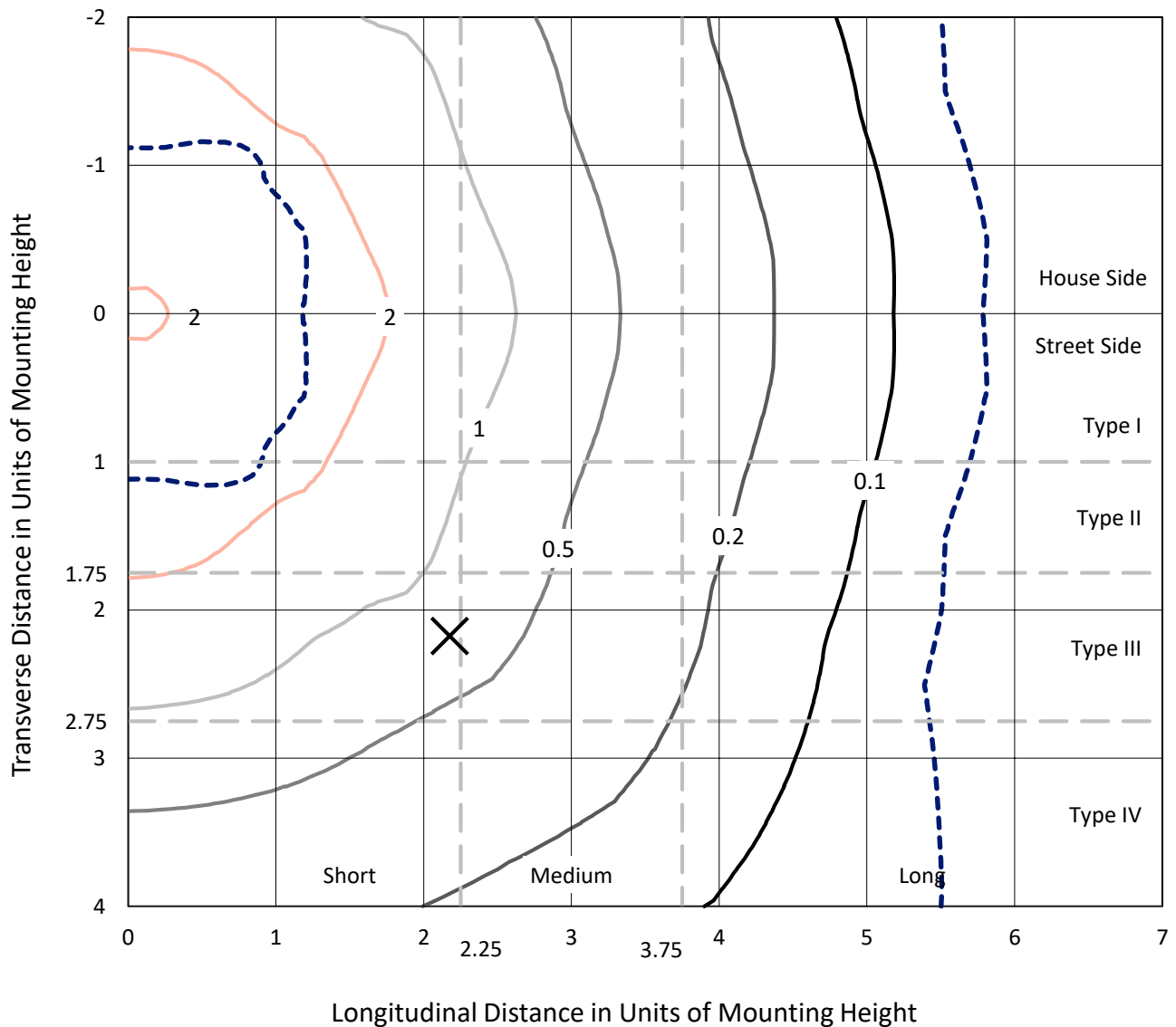
Input Watts (W): 75.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

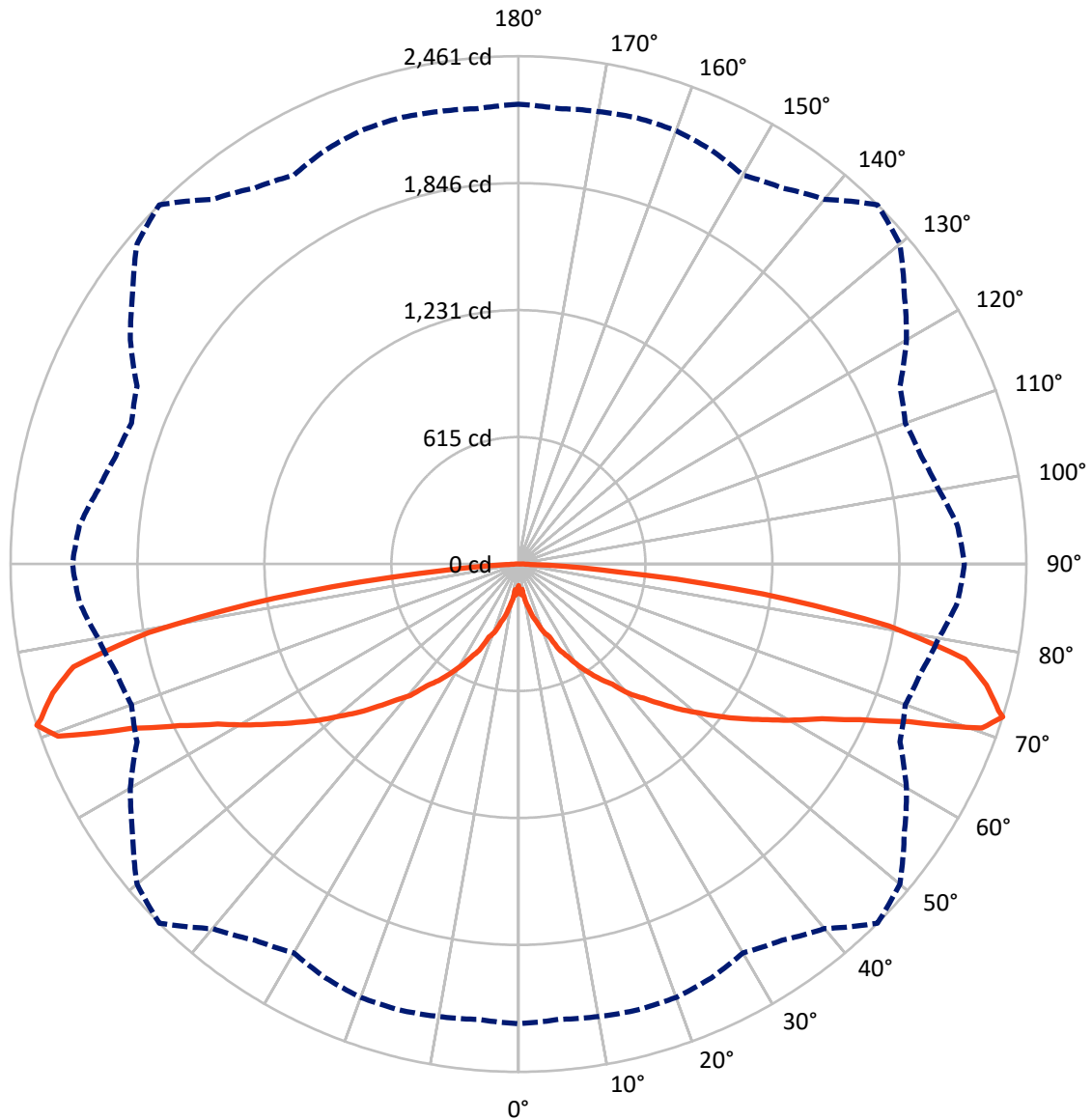
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 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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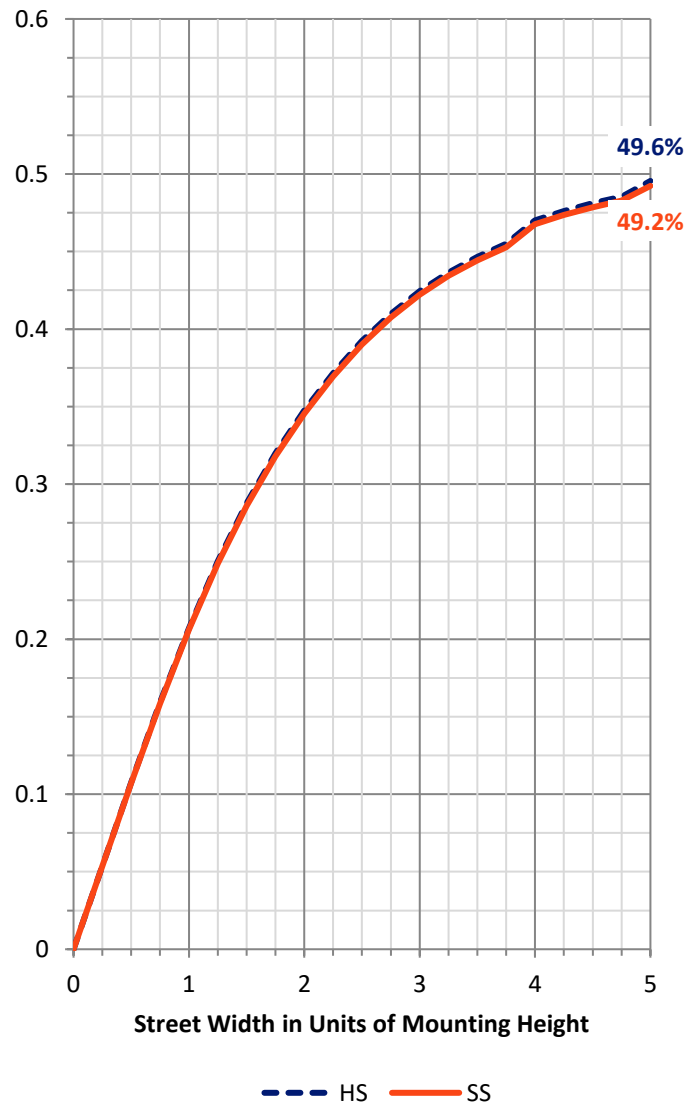
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3599.3	0.0	3599.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3599.3	0.0	3599.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7198.5	0.0	7198.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.0	0.2
10°-20°	76.5	1.1
20°-30°	227.2	3.2
30°-40°	461.4	6.4
40°-50°	787.0	10.9
50°-60°	1220.9	17.0
60°-70°	1830.7	25.4
70°-80°	2117.5	29.4
80°-90°	463.3	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°	7198.5	100.0
0°-180°	7198.5	100.0



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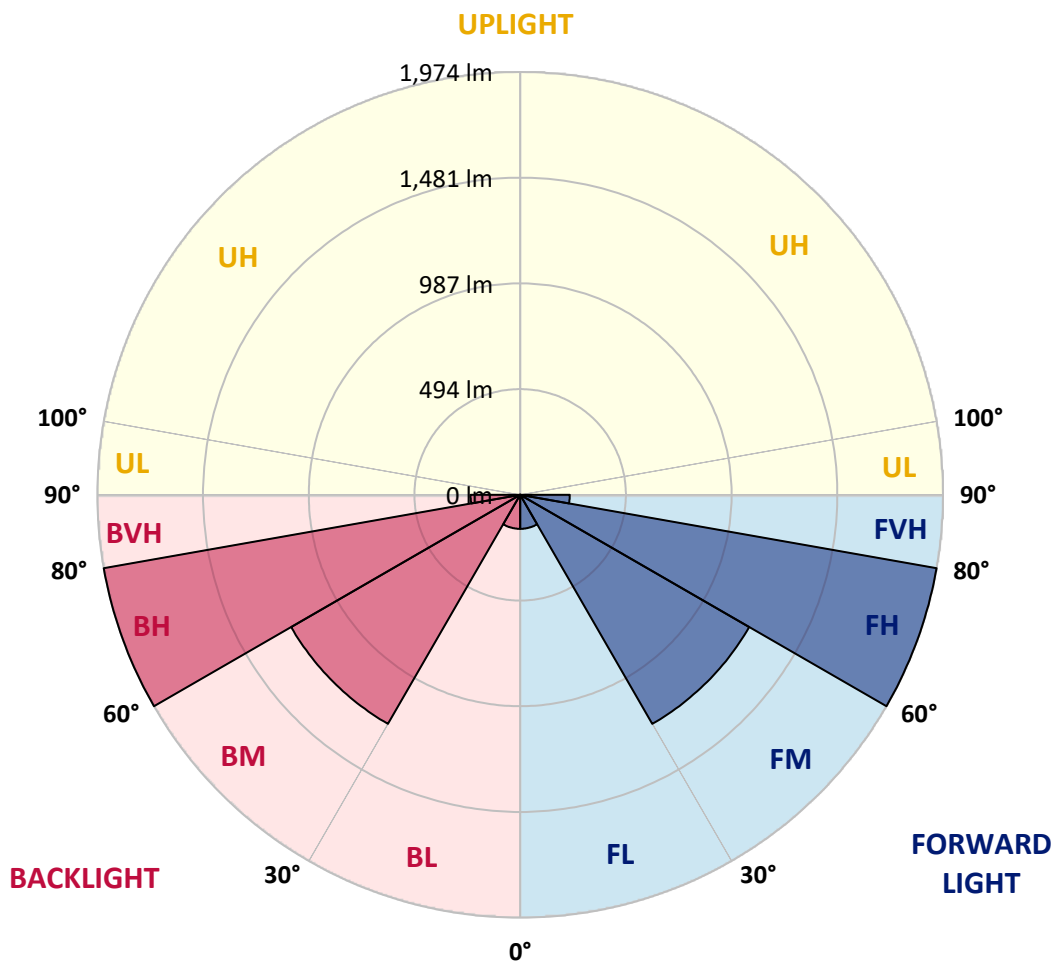
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	158.9	2.2			
FM	(30°-60°)	1234.7	17.2			
FH	(60°-80°)	1974.1	27.4			G2/5000
FVH	(80°-90°)	231.6	3.2			G3/500
BL	(0°-30°)	158.9	2.2	B1/500		
BM	(30°-60°)	1234.7	17.2	B2/2500		
BH	(60°-80°)	1974.1	27.4	B3/2500		G2/5000
BVH	(80°-90°)	231.6	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	103.8	103.8	103.8	103.8	103.8	103.8	103.8	103.8	103.8	103.8	103.8
2.5°	165.8	163.3	164.6	163.3	163.3	162.0	145.6	140.5	140.5	141.8	139.3
5°	122.8	124.1	122.8	126.6	129.1	124.1	124.1	126.6	127.9	149.4	151.9
7.5°	189.9	191.2	189.9	188.6	174.7	160.8	158.2	154.5	126.6	124.1	121.5
10°	197.5	197.5	200.0	195.0	193.7	193.7	192.4	191.2	183.6	179.8	153.2
12.5°	263.3	265.9	264.6	262.1	260.8	229.1	224.1	200.0	191.2	217.7	240.5
15°	274.7	273.5	276.0	270.9	268.4	268.4	257.0	267.1	286.1	264.6	248.1
17.5°	340.6	340.6	340.6	338.0	329.2	303.8	306.4	311.4	310.2	301.3	311.4
20°	381.1	381.1	378.5	354.5	338.0	353.2	374.7	363.3	348.1	353.2	362.1
22.5°	419.0	420.3	417.8	410.2	408.9	421.6	402.6	391.2	416.5	381.1	398.8
25°	493.7	495.0	491.2	455.8	450.7	450.7	448.2	454.5	438.0	459.6	489.9
27.5°	534.2	511.5	507.7	497.5	519.1	510.2	506.4	478.5	535.5	506.4	526.7
30°	595.0	595.0	589.9	583.6	579.8	553.2	543.1	560.8	563.4	569.7	622.9
32.5°	686.2	688.7	674.8	640.6	617.8	612.7	620.3	617.8	624.1	627.9	672.2
35°	760.9	762.1	736.8	714.0	697.6	681.1	677.3	668.4	684.9	686.2	720.3
37.5°	840.6	848.2	824.2	812.8	786.2	760.9	731.7	727.9	745.7	739.3	793.8
40°	959.6	963.4	941.9	916.6	860.9	831.8	798.8	795.0	796.3	825.4	852.0
42.5°	1033.0	1034.3	1015.3	984.9	952.0	917.8	872.3	855.8	863.4	888.7	912.8
45°	1115.3	1114.1	1097.6	1073.6	1039.4	995.1	940.6	926.7	934.3	965.9	987.5
47.5°	1200.2	1197.6	1186.2	1158.4	1116.6	1068.5	1014.1	1009.0	1009.0	1050.8	1068.5
50°	1282.4	1283.7	1272.3	1245.7	1195.1	1148.2	1105.2	1085.0	1091.3	1134.3	1154.6
52.5°	1374.9	1377.4	1360.9	1333.1	1278.6	1243.2	1200.2	1169.8	1169.8	1229.3	1247.0
55°	1471.1	1472.3	1462.2	1426.8	1385.0	1343.2	1292.6	1255.9	1257.1	1323.0	1338.1
57.5°	1569.8	1567.3	1555.9	1529.3	1501.5	1434.4	1379.9	1347.0	1355.9	1423.0	1434.4
60°	1673.6	1672.4	1661.0	1635.7	1593.9	1511.6	1479.9	1459.7	1452.1	1535.6	1536.9
62.5°	1792.6	1787.6	1778.7	1755.9	1699.0	1624.3	1590.1	1580.0	1564.8	1650.8	1654.6
65°	1939.5	1930.6	1924.3	1899.0	1842.0	1754.7	1710.3	1721.7	1711.6	1818.0	1804.0
67.5°	2166.1	2149.6	2129.4	2106.6	2043.3	1963.5	1902.8	1928.1	1921.8	2038.2	2033.2
70°	2349.7	2339.5	2338.3	2335.7	2305.4	2254.7	2187.6	2209.1	2235.7	2382.6	2367.4
72°	2228.1	2215.5	2226.9	2237.0	2234.5	2212.9	2176.2	2225.6	2306.6	2461.1	2413.0
72.5°	2199.0	2186.4	2194.0	2202.8	2202.8	2182.6	2149.6	2196.5	2282.6	2433.2	2387.7
75°	2063.6	2059.8	2066.1	2077.5	2090.1	2080.0	2075.0	2104.1	2194.0	2342.1	2285.1
77.5°	1840.7	1845.8	1853.4	1869.9	1893.9	1905.3	1934.4	1980.0	2081.3	2212.9	2166.1
80°	1405.2	1397.6	1416.6	1450.8	1476.1	1501.5	1540.7	1596.4	1702.8	1821.8	1749.6
82.5°	469.7	525.4	555.8	621.6	707.7	767.2	852.0	963.4	1093.8	1192.6	1102.7
85°	40.5	48.1	67.1	92.4	119.0	158.2	239.3	300.0	396.3	484.9	410.2
87.5°	10.1	16.5	29.1	40.5	41.8	43.0	48.1	51.9	57.0	58.2	72.2
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°	103.8	103.8	103.8	103.8	103.8	103.8	103.8	103.8
2.5°	136.7	130.4	119.0	107.6	106.3	105.1	103.8	102.5
5°	153.2	162.0	140.5	138.0	132.9	108.9	105.1	102.5
7.5°	122.8	124.1	144.3	144.3	130.4	126.6	105.1	102.5
10°	136.7	132.9	163.3	191.2	198.8	184.8	154.5	151.9
12.5°	232.9	202.6	174.7	177.2	198.8	192.4	172.2	150.7
15°	246.9	238.0	241.8	240.5	238.0	254.5	229.1	224.1
17.5°	303.8	295.0	292.4	260.8	246.9	248.1	254.5	238.0
20°	326.6	327.9	395.0	396.3	370.9	367.1	365.9	362.1
22.5°	441.8	439.3	425.4	420.3	395.0	468.4	478.5	478.5
25°	463.4	500.1	552.0	550.7	536.8	515.3	519.1	495.0
27.5°	577.3	577.3	576.0	588.7	607.7	596.3	588.7	577.3
30°	601.3	640.6	650.7	631.7	640.6	653.2	667.2	679.8
32.5°	671.0	664.6	701.4	717.8	731.7	741.9	709.0	721.6
35°	726.7	749.5	755.8	755.8	765.9	772.3	750.7	750.7
37.5°	790.0	800.1	795.0	802.6	806.4	820.4	817.8	811.5
40°	843.1	853.3	850.7	855.8	854.5	878.6	886.2	859.6
42.5°	910.2	916.6	912.8	915.3	931.8	943.2	967.2	950.8
45°	977.3	983.7	979.9	983.7	1011.5	1016.6	1049.5	1047.0
47.5°	1054.6	1055.8	1055.8	1068.5	1092.5	1096.3	1133.1	1131.8
50°	1136.9	1143.2	1131.8	1148.2	1174.8	1191.3	1221.7	1238.1
52.5°	1229.3	1234.3	1205.2	1245.7	1267.3	1292.6	1307.8	1334.3
55°	1312.8	1320.4	1290.0	1330.6	1350.8	1374.9	1412.8	1436.9
57.5°	1401.4	1396.4	1396.4	1406.5	1425.5	1458.4	1507.8	1552.1
60°	1502.7	1485.0	1482.5	1482.5	1519.2	1576.2	1615.4	1661.0
62.5°	1620.5	1591.3	1596.4	1578.7	1621.7	1691.4	1738.2	1795.2
65°	1761.0	1726.8	1719.2	1710.3	1742.0	1819.2	1891.4	1934.4
67.5°	1969.9	1919.2	1891.4	1882.5	1919.2	1992.7	2083.8	2129.4
70°	2280.0	2191.4	2096.5	2075.0	2076.2	2148.4	2223.1	2264.8
72°	2282.6	2171.2	2039.5	1995.2	2020.5	2068.6	2135.7	2161.0
72.5°	2248.4	2142.0	2004.1	1971.1	2009.1	2045.8	2119.3	2138.3
75°	2171.2	2064.8	1926.8	1905.3	1920.5	1944.6	2014.2	2020.5
77.5°	2043.3	1924.3	1757.2	1715.4	1678.7	1729.3	1781.2	1764.8
80°	1639.5	1504.0	1345.7	1314.1	1250.8	1285.0	1315.4	1291.3
82.5°	963.4	802.6	663.4	584.9	484.9	460.8	470.9	395.0
85°	306.4	205.1	144.3	97.5	86.1	67.1	55.7	48.1
87.5°	67.1	55.7	50.6	46.8	46.8	39.2	27.9	22.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)