

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: P156965

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P156965  
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  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE  
Light Source: (21) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6997.5 lumens  
Efficiency: N/A  
Efficacy: 89.4 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 - 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

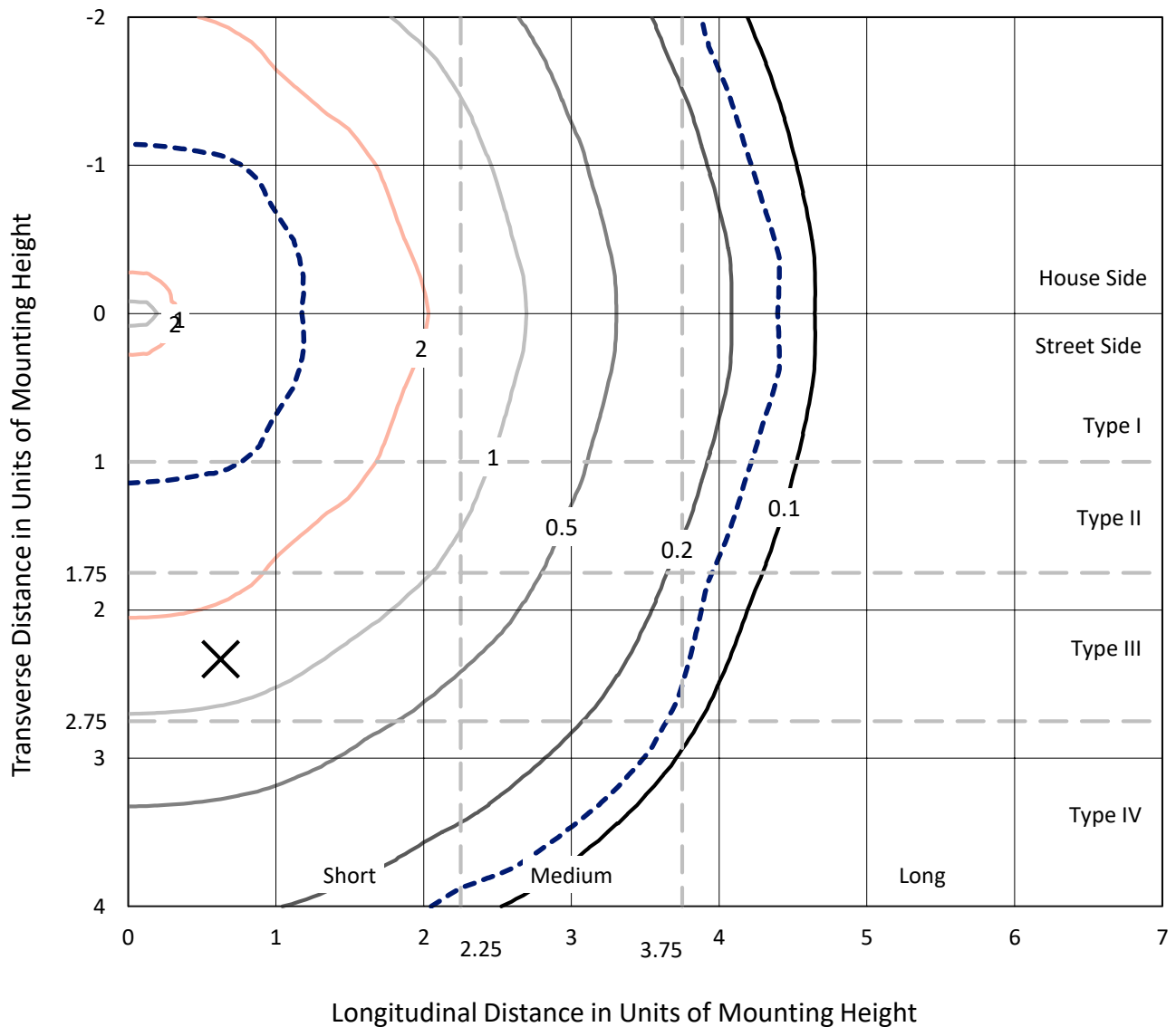


REPORT NUMBER: P156965

CATALOG NUMBER: UTLD-F03-LED-E-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

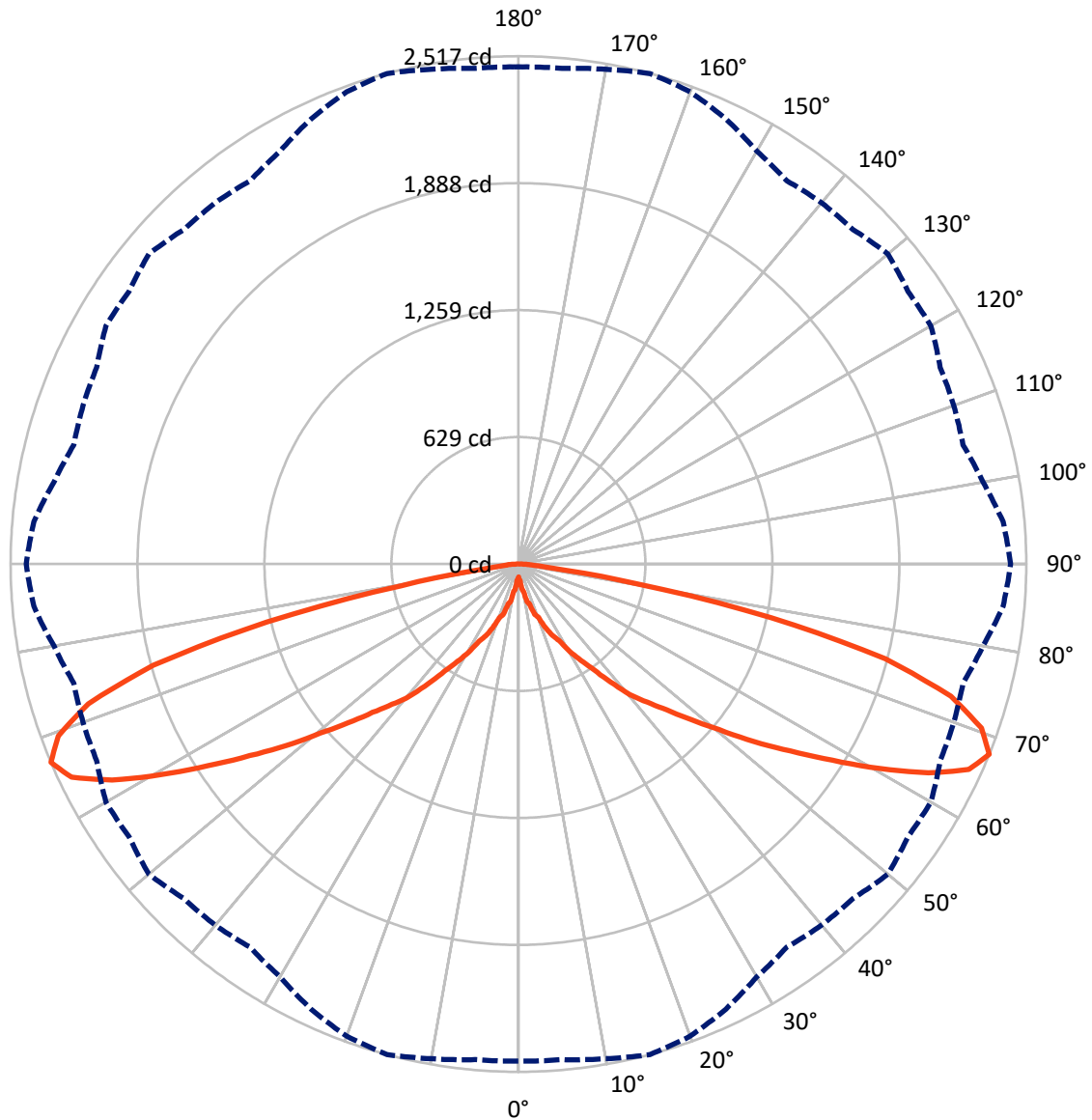


Based on 10 foot mounting height. Maximum calculated value = 3.9 fc  
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P156965

CATALOG NUMBER: UTLD-F03-LED-E-U-5WQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P156965

CATALOG NUMBER: UTLD-F03-LED-E-U-5WQ

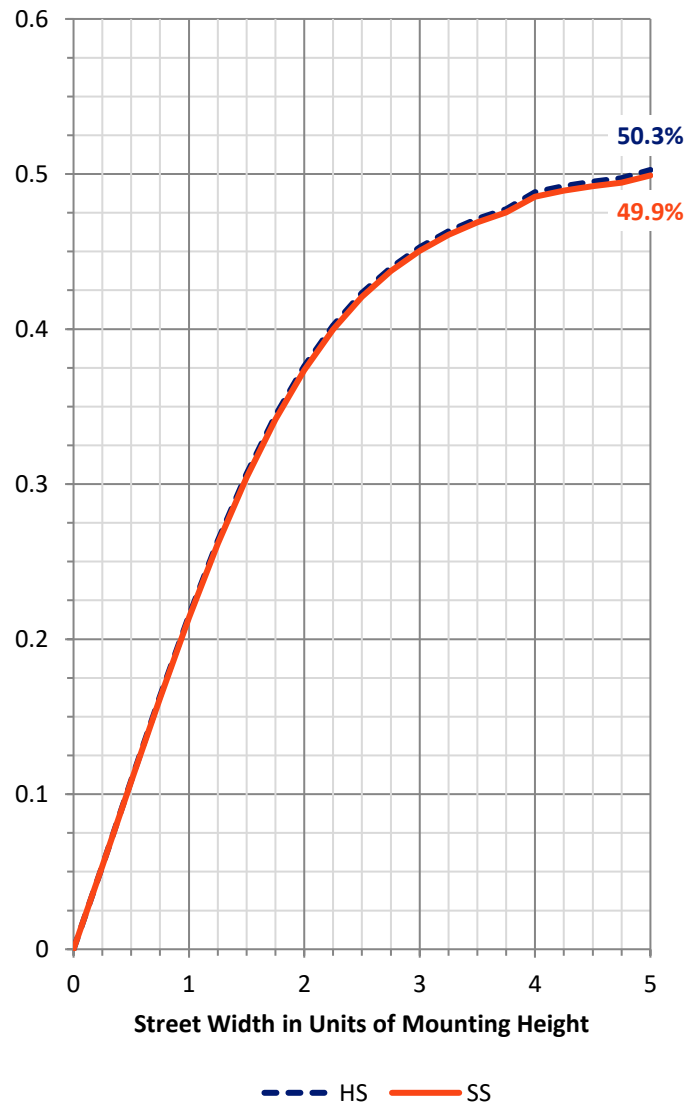
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3498.7	0.0	3498.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3498.7	0.0	3498.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6997.5	0.0	6997.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.3	0.1
10°-20°	57.9	0.8
20°-30°	191.5	2.7
30°-40°	414.1	5.9
40°-50°	774.8	11.1
50°-60°	1405.6	20.1
60°-70°	2223.4	31.8
70°-80°	1748.2	25.0
80°-90°	172.7	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°	6997.5	100.0
0°-180°	6997.5	100.0



REPORT NUMBER: P156965

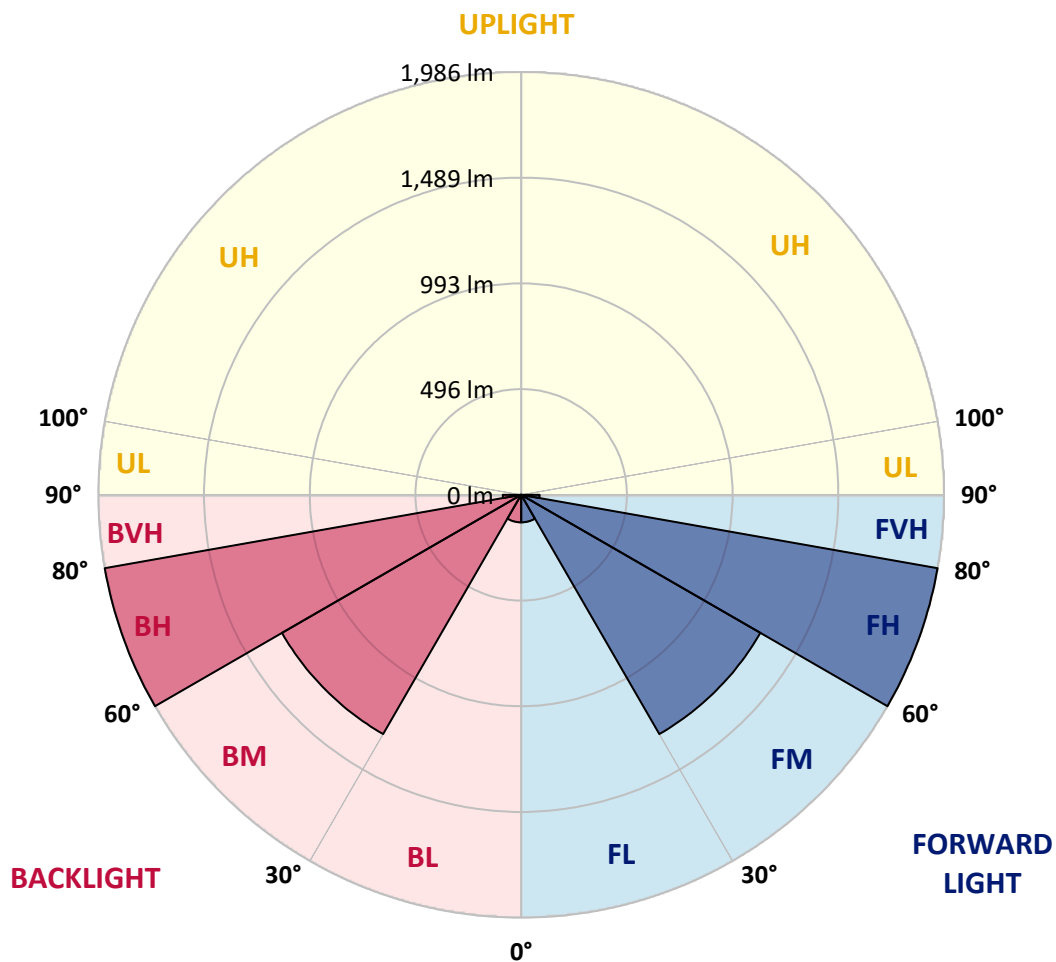
CATALOG NUMBER: UTLD-F03-LED-E-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.3	1.8			
FM (30°-60°)	1297.2	18.5			
FH (60°-80°)	1985.8	28.4			G2/5000
FVH (80°-90°)	86.4	1.2			G1/100
BL (0°-30°)	129.3	1.8	B1/500		
BM (30°-60°)	1297.2	18.5	B2/2500		
BH (60°-80°)	1985.8	28.4	B3/2500		G2/5000
BVH (80°-90°)	86.4	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





REPORT NUMBER: P156965

CATALOG NUMBER: UTLD-F03-LED-E-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
2.5°	101.0	100.6	100.6	100.6	101.8	98.8	94.1	90.7	88.6	88.2	86.1
5°	79.8	79.6	79.5	79.9	79.6	80.5	80.2	82.3	82.0	87.6	95.1
7.5°	128.2	128.8	128.5	126.9	123.8	114.8	108.0	102.5	86.0	83.8	81.4
10°	138.7	138.7	138.7	136.5	136.9	136.8	135.6	133.1	131.2	127.2	108.4
12.5°	192.0	192.6	192.8	191.6	187.6	169.0	163.8	145.8	142.1	166.2	171.5
15°	207.4	208.3	207.7	204.3	203.1	200.9	197.5	212.4	217.0	198.1	184.2
17.5°	265.6	266.5	265.3	263.2	257.9	241.8	246.7	242.0	239.3	235.3	248.9
20°	305.9	307.7	293.8	281.4	273.7	286.0	300.9	294.8	278.3	280.2	288.2
22.5°	349.2	349.2	348.0	341.4	341.4	357.8	330.6	325.0	345.2	321.4	312.4
25°	421.6	419.8	416.0	391.0	383.0	381.1	375.8	387.3	371.5	403.0	421.6
27.5°	448.2	446.4	437.1	429.4	449.5	443.0	435.2	405.8	467.2	437.1	447.0
30°	517.6	517.6	509.6	504.3	509.0	479.6	469.6	504.3	494.4	498.4	543.0
32.5°	608.0	608.6	598.1	568.7	541.8	547.0	542.4	544.9	560.3	556.3	582.3
35°	707.6	682.6	665.6	643.3	628.1	621.3	612.3	592.8	615.4	610.4	637.4
37.5°	765.9	768.4	754.4	741.4	731.5	688.2	669.6	677.3	678.2	665.6	712.3
40°	886.0	887.2	866.8	851.6	835.5	780.4	750.7	743.3	745.1	747.0	779.8
42.5°	965.2	965.2	949.2	935.5	907.6	871.4	841.1	825.9	829.4	825.6	860.9
45°	1058.8	1060.6	1047.9	1030.9	1000.8	980.1	935.2	924.7	925.9	920.0	959.0
47.5°	1177.6	1177.3	1172.4	1153.4	1128.7	1092.8	1061.5	1035.5	1038.3	1034.6	1075.2
50°	1316.9	1316.9	1313.8	1290.0	1275.4	1237.4	1196.8	1164.6	1163.0	1163.4	1209.5
52.5°	1472.4	1474.2	1478.8	1462.4	1440.5	1387.8	1339.2	1305.4	1303.6	1307.0	1361.2
55°	1645.7	1654.4	1653.2	1634.8	1620.9	1561.8	1497.1	1465.2	1456.5	1463.4	1517.2
57.5°	1840.1	1844.4	1849.4	1835.2	1801.1	1748.2	1660.2	1633.9	1619.7	1633.6	1690.3
60°	2055.6	2065.8	2064.6	2057.7	2019.0	1960.8	1840.7	1815.6	1807.6	1814.4	1876.6
62.5°	2282.2	2282.5	2295.5	2280.6	2243.8	2185.9	2049.4	2005.4	1994.0	1999.5	2066.4
65°	2440.6	2442.5	2457.0	2453.7	2425.2	2363.0	2262.4	2189.3	2190.5	2197.6	2259.6
67.5°	2463.6	2465.8	2489.6	2517.1	2489.9	2433.6	2362.6	2318.4	2337.3	2344.7	2390.8
70°	2371.4	2376.0	2404.4	2434.1	2428.6	2385.6	2322.4	2306.9	2325.8	2341.6	2385.2
72.5°	2190.6	2193.0	2214.1	2241.3	2219.6	2182.2	2110.0	2136.0	2133.3	2154.0	2197.0
75°	1859.3	1850.6	1872.0	1879.1	1842.2	1803.6	1744.1	1786.5	1768.2	1785.9	1807.9
77.5°	1249.4	1240.8	1249.1	1279.8	1253.8	1250.1	1234.6	1282.0	1289.7	1300.8	1302.4
80°	483.0	500.0	543.6	592.2	606.1	643.0	672.7	726.8	763.1	792.8	777.6
82.5°	95.4	104.6	126.6	153.6	183.9	221.0	265.9	312.1	357.0	380.5	361.9
85°	34.6	41.8	53.0	62.2	65.6	70.6	78.9	95.1	110.8	113.9	115.2
87.5°	9.3	16.1	30.0	40.6	40.9	36.8	39.0	40.8	35.9	28.5	38.7
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: P156965

CATALOG NUMBER: UTLD-F03-LED-E-U-5WQ

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
2.5°	83.6	77.4	71.2	67.8	66.6	65.3	64.4	63.8
5°	96.6	100.3	96.0	88.2	77.4	71.2	66.9	65.6
7.5°	82.3	82.4	95.0	99.4	88.2	78.9	69.6	68.1
10°	92.8	101.5	110.8	121.0	136.8	123.8	104.3	100.9
12.5°	168.7	143.3	122.9	122.9	139.3	140.8	113.0	109.6
15°	179.2	180.2	188.2	170.9	167.5	181.7	162.2	156.0
17.5°	226.9	223.8	218.2	192.6	179.5	184.2	186.4	180.2
20°	263.8	250.4	311.8	317.6	290.1	291.0	286.4	281.1
22.5°	363.8	366.5	344.2	343.6	322.6	359.1	395.3	379.5
25°	384.2	404.0	471.5	460.6	447.6	428.8	438.4	416.0
27.5°	500.3	487.9	500.9	487.9	522.9	505.5	495.0	489.8
30°	525.6	548.2	561.6	551.4	553.8	551.4	533.4	542.4
32.5°	601.2	591.0	611.4	628.1	639.2	641.8	611.4	629.0
35°	651.3	677.7	675.5	669.6	674.9	684.8	668.7	669.3
37.5°	720.7	727.2	721.9	720.4	723.2	728.7	731.2	722.0
40°	784.2	788.8	784.8	790.3	794.7	797.2	818.2	785.7
42.5°	873.3	866.5	872.4	879.8	878.2	878.0	897.2	879.8
45°	973.6	972.0	967.4	972.4	984.4	966.5	996.8	991.9
47.5°	1090.0	1090.0	1081.9	1086.6	1106.1	1092.4	1119.1	1127.4
50°	1225.3	1228.7	1206.4	1218.8	1223.7	1226.9	1252.5	1275.4
52.5°	1376.6	1379.8	1348.8	1355.9	1352.2	1375.8	1403.9	1439.5
55°	1541.4	1536.1	1497.4	1510.4	1512.0	1552.5	1569.8	1628.4
57.5°	1705.4	1703.9	1677.3	1677.0	1700.8	1743.2	1757.8	1823.4
60°	1886.2	1886.5	1853.7	1861.2	1883.1	1924.6	1979.7	2034.5
62.5°	2073.2	2087.2	2059.0	2037.3	2061.4	2115.0	2198.0	2240.0
65°	2240.7	2268.8	2222.7	2222.4	2194.8	2282.8	2347.2	2399.2
67.5°	2356.4	2360.2	2306.3	2296.1	2281.2	2337.9	2411.0	2439.4
70°	2356.5	2318.7	2266.1	2258.3	2233.6	2255.6	2344.1	2360.8
72.5°	2169.2	2128.3	2056.5	2068.9	2040.7	2071.7	2141.6	2149.7
75°	1779.4	1724.6	1675.7	1695.6	1680.0	1736.1	1796.5	1783.2
77.5°	1268.9	1201.4	1137.7	1137.0	1138.6	1152.5	1194.3	1175.2
80°	732.1	667.8	606.1	568.0	529.1	497.5	478.9	454.4
82.5°	322.2	259.4	212.0	170.9	145.2	117.3	103.1	88.6
85°	101.8	83.3	71.2	65.0	59.4	55.7	48.3	41.5
87.5°	45.8	44.9	42.1	43.4	43.4	37.4	26.0	21.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)