

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: P156995

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P156995  
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  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE  
Light Source: (21) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7041 lumens  
Efficiency: N/A  
Efficacy: 89.9 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

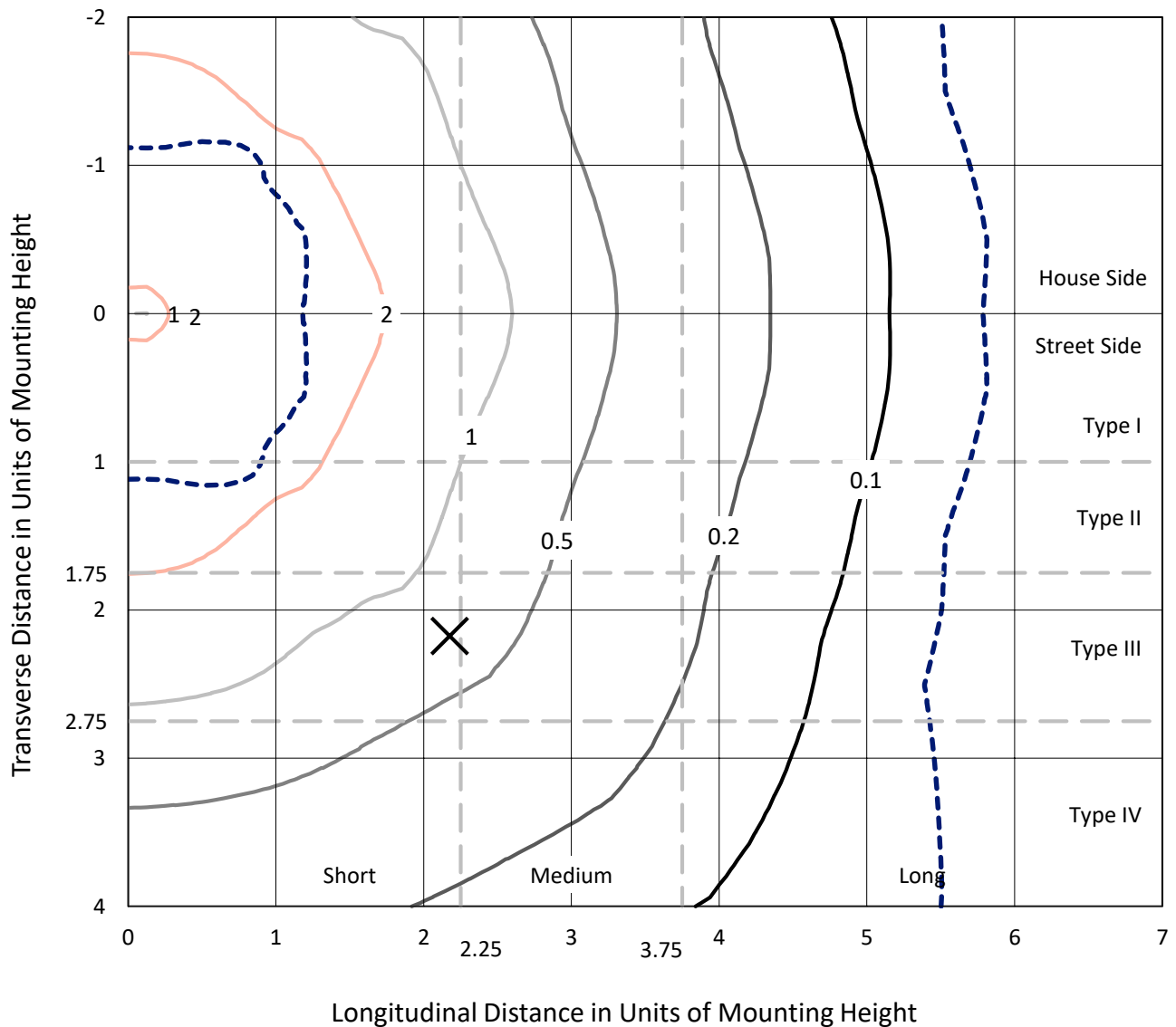
Input Watts (W): 78.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

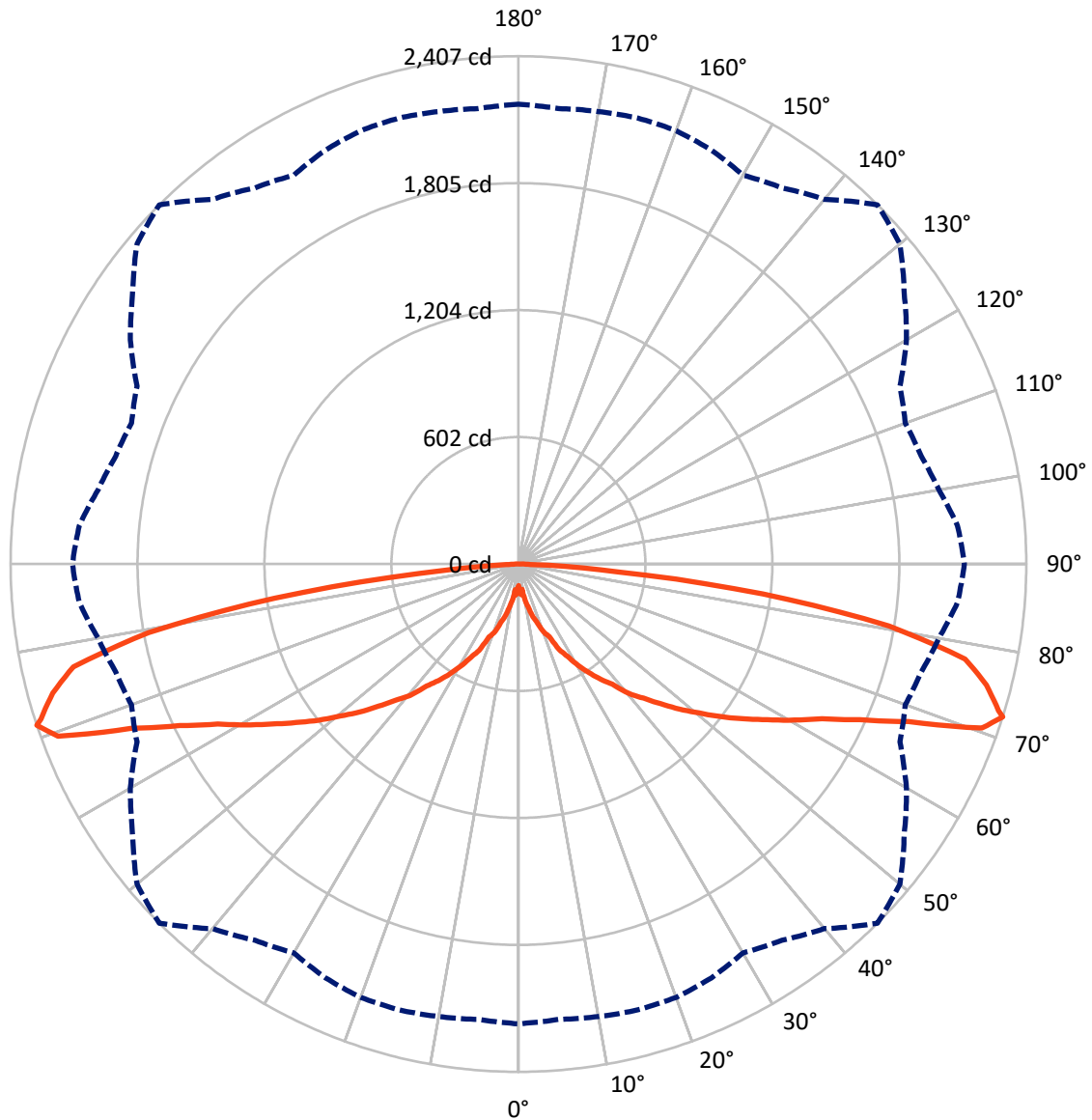
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.3 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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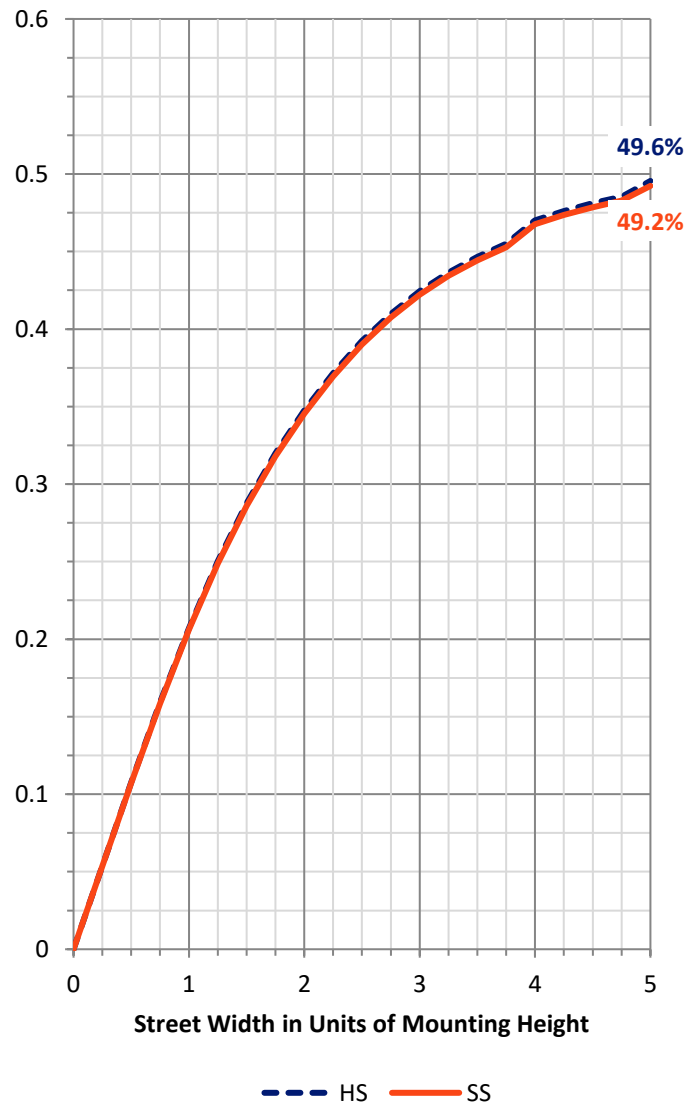
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3520.5	0.0	3520.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3520.5	0.0	3520.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7041.0	0.0	7041.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.7	0.2
10°-20°	74.8	1.1
20°-30°	222.2	3.2
30°-40°	451.3	6.4
40°-50°	769.8	10.9
50°-60°	1194.2	17.0
60°-70°	1790.6	25.4
70°-80°	2071.2	29.4
80°-90°	453.1	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°	7041.0	100.0
0°-180°	7041.0	100.0



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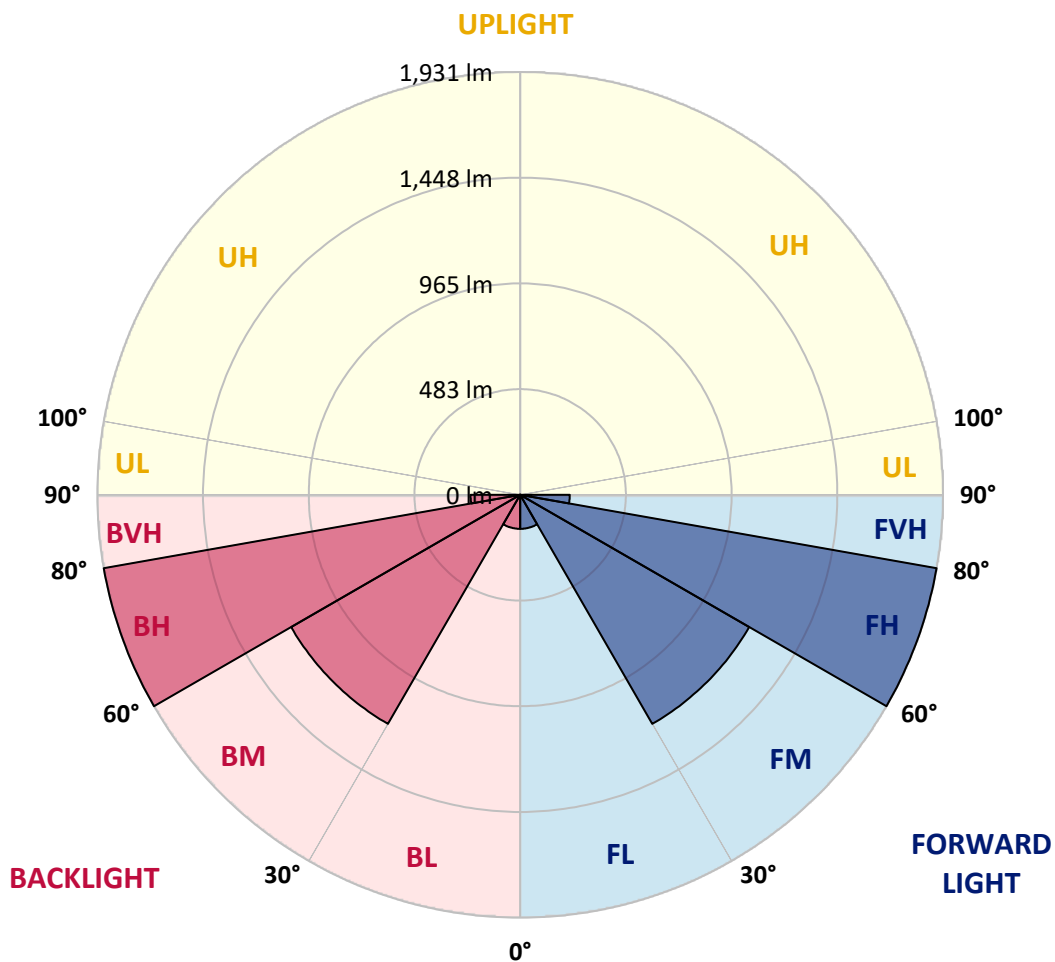
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	155.4	2.2			
FM	(30°-60°)	1207.7	17.2			
FH	(60°-80°)	1930.9	27.4			G2/5000
FVH	(80°-90°)	226.6	3.2			G3/500
BL	(0°-30°)	155.4	2.2	B1/500		
BM	(30°-60°)	1207.7	17.2	B2/2500		
BH	(60°-80°)	1930.9	27.4	B3/2500		G2/5000
BVH	(80°-90°)	226.6	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°	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5
2.5°	162.2	159.7	161.0	159.7	159.7	158.5	142.4	137.4	137.4	138.7	136.2
5°	120.1	121.4	120.1	123.8	126.3	121.4	121.4	123.8	125.1	146.1	148.6
7.5°	185.7	187.0	185.7	184.5	170.9	157.3	154.8	151.1	123.8	121.4	118.9
10°	193.2	193.2	195.6	190.7	189.5	189.5	188.2	187.0	179.6	175.8	149.8
12.5°	257.6	260.0	258.8	256.3	255.1	224.1	219.2	195.6	187.0	213.0	235.3
15°	268.7	267.5	269.9	265.0	262.5	262.5	251.4	261.3	279.9	258.8	242.7
17.5°	333.1	333.1	333.1	330.6	322.0	297.2	299.7	304.6	303.4	294.7	304.6
20°	372.7	372.7	370.2	346.7	330.6	345.5	366.5	355.4	340.5	345.5	354.2
22.5°	409.9	411.1	408.6	401.2	400.0	412.3	393.8	382.6	407.4	372.7	390.1
25°	482.9	484.2	480.5	445.8	440.8	440.8	438.4	444.5	428.4	449.5	479.2
27.5°	522.6	500.3	496.6	486.6	507.7	499.0	495.3	468.1	523.8	495.3	515.1
30°	582.0	582.0	577.0	570.9	567.1	541.1	531.2	548.6	551.0	557.2	609.2
32.5°	671.2	673.6	660.0	626.6	604.3	599.3	606.8	604.3	610.5	614.2	657.5
35°	744.2	745.4	720.7	698.4	682.3	666.2	662.5	653.8	669.9	671.2	704.6
37.5°	822.2	829.7	806.1	795.0	769.0	744.2	715.7	712.0	729.4	723.2	776.4
40°	938.6	942.3	921.3	896.5	842.0	813.6	781.4	777.6	778.9	807.4	833.4
42.5°	1010.4	1011.7	993.1	963.4	931.2	897.8	853.2	837.1	844.5	869.3	892.8
45°	1090.9	1089.7	1073.6	1050.1	1016.6	973.3	920.0	906.4	913.9	944.8	965.9
47.5°	1173.9	1171.4	1160.3	1133.0	1092.2	1045.1	991.9	986.9	986.9	1027.8	1045.1
50°	1254.4	1255.6	1244.5	1218.5	1168.9	1123.1	1081.0	1061.2	1067.4	1109.5	1129.3
52.5°	1344.8	1347.3	1331.2	1303.9	1250.7	1216.0	1173.9	1144.2	1144.2	1202.4	1219.7
55°	1438.9	1440.1	1430.2	1395.5	1354.7	1313.8	1264.3	1228.4	1229.6	1294.0	1308.9
57.5°	1535.5	1533.0	1521.9	1495.9	1468.6	1403.0	1349.7	1317.5	1326.2	1391.8	1403.0
60°	1637.0	1635.8	1624.6	1599.9	1559.0	1478.5	1447.6	1427.7	1420.3	1502.0	1503.3
62.5°	1753.4	1748.5	1739.8	1717.5	1661.8	1588.7	1555.3	1545.4	1530.5	1614.7	1618.4
65°	1897.1	1888.4	1882.2	1857.4	1801.7	1716.3	1672.9	1684.1	1674.2	1778.2	1764.6
67.5°	2118.7	2102.6	2082.8	2060.5	1998.6	1920.6	1861.1	1885.9	1879.7	1993.6	1988.7
70°	2298.3	2288.4	2287.1	2284.6	2254.9	2205.4	2139.8	2160.8	2186.8	2330.5	2315.6
72°	2179.4	2167.0	2178.1	2188.1	2185.6	2164.5	2128.6	2176.9	2256.2	2407.2	2360.2
72.5°	2150.9	2138.5	2146.0	2154.6	2154.6	2134.8	2102.6	2148.4	2232.6	2380.0	2335.4
75°	2018.4	2014.7	2020.9	2032.0	2044.4	2034.5	2029.6	2058.0	2146.0	2290.8	2235.1
77.5°	1800.5	1805.4	1812.9	1829.0	1852.5	1863.6	1892.1	1936.7	2035.7	2164.5	2118.7
80°	1374.5	1367.1	1385.6	1419.1	1443.8	1468.6	1507.0	1561.5	1665.5	1781.9	1711.3
82.5°	459.4	513.9	543.6	608.0	692.2	750.4	833.4	942.3	1069.9	1166.5	1078.5
85°	39.6	47.1	65.6	90.4	116.4	154.8	234.0	293.5	387.6	474.3	401.2
87.5°	9.9	16.1	28.5	39.6	40.9	42.1	47.1	50.8	55.7	57.0	70.6
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°	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5
2.5°	133.7	127.5	116.4	105.3	104.0	102.8	101.5	100.3
5°	149.8	158.5	137.4	135.0	130.0	106.5	102.8	100.3
7.5°	120.1	121.4	141.2	141.2	127.5	123.8	102.8	100.3
10°	133.7	130.0	159.7	187.0	194.4	180.8	151.1	148.6
12.5°	227.8	198.1	170.9	173.4	194.4	188.2	168.4	147.4
15°	241.5	232.8	236.5	235.3	232.8	248.9	224.1	219.2
17.5°	297.2	288.5	286.0	255.1	241.5	242.7	248.9	232.8
20°	319.5	320.7	386.3	387.6	362.8	359.1	357.9	354.2
22.5°	432.2	429.7	416.1	411.1	386.3	458.2	468.1	468.1
25°	453.2	489.1	539.9	538.7	525.0	504.0	507.7	484.2
27.5°	564.7	564.7	563.4	575.8	594.4	583.2	575.8	564.7
30°	588.2	626.6	636.5	617.9	626.6	639.0	652.6	665.0
32.5°	656.3	650.1	686.0	702.1	715.7	725.6	693.4	705.8
35°	710.8	733.1	739.3	739.3	749.2	755.4	734.3	734.3
37.5°	772.7	782.6	777.6	785.1	788.8	802.4	799.9	793.7
40°	824.7	834.6	832.1	837.1	835.8	859.4	866.8	840.8
42.5°	890.3	896.5	892.8	895.3	911.4	922.5	946.1	930.0
45°	956.0	962.1	958.4	962.1	989.4	994.3	1026.5	1024.1
47.5°	1031.5	1032.7	1032.7	1045.1	1068.6	1072.4	1108.3	1107.0
50°	1112.0	1118.2	1107.0	1123.1	1149.1	1165.2	1194.9	1211.0
52.5°	1202.4	1207.3	1178.8	1218.5	1239.5	1264.3	1279.2	1305.2
55°	1284.1	1291.5	1261.8	1301.4	1321.3	1344.8	1381.9	1405.5
57.5°	1370.8	1365.8	1365.8	1375.7	1394.3	1426.5	1474.8	1518.1
60°	1469.8	1452.5	1450.0	1450.0	1485.9	1541.7	1580.1	1624.6
62.5°	1585.0	1556.5	1561.5	1544.1	1586.2	1654.4	1700.2	1755.9
65°	1722.5	1689.0	1681.6	1672.9	1703.9	1779.4	1850.0	1892.1
67.5°	1926.8	1877.2	1850.0	1841.3	1877.2	1949.1	2038.2	2082.8
70°	2230.2	2143.5	2050.6	2029.6	2030.8	2101.4	2174.4	2215.3
72°	2232.6	2123.7	1994.9	1951.5	1976.3	2023.4	2089.0	2113.8
72.5°	2199.2	2095.2	1960.2	1928.0	1965.2	2001.1	2072.9	2091.5
75°	2123.7	2019.6	1884.7	1863.6	1878.5	1902.0	1970.1	1976.3
77.5°	1998.6	1882.2	1718.7	1677.9	1642.0	1691.5	1742.3	1726.2
80°	1603.6	1471.1	1316.3	1285.3	1223.4	1256.9	1286.6	1263.1
82.5°	942.3	785.1	648.9	572.1	474.3	450.7	460.6	386.3
85°	299.7	200.6	141.2	95.3	84.2	65.6	54.5	47.1
87.5°	65.6	54.5	49.5	45.8	45.8	38.4	27.2	22.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)