

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: P156991

Luminaire Tested: **UTLD-E03-LED-E-U-5XQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156991
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-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8751.8 lumens
Efficiency: N/A
Efficacy: 116.4 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

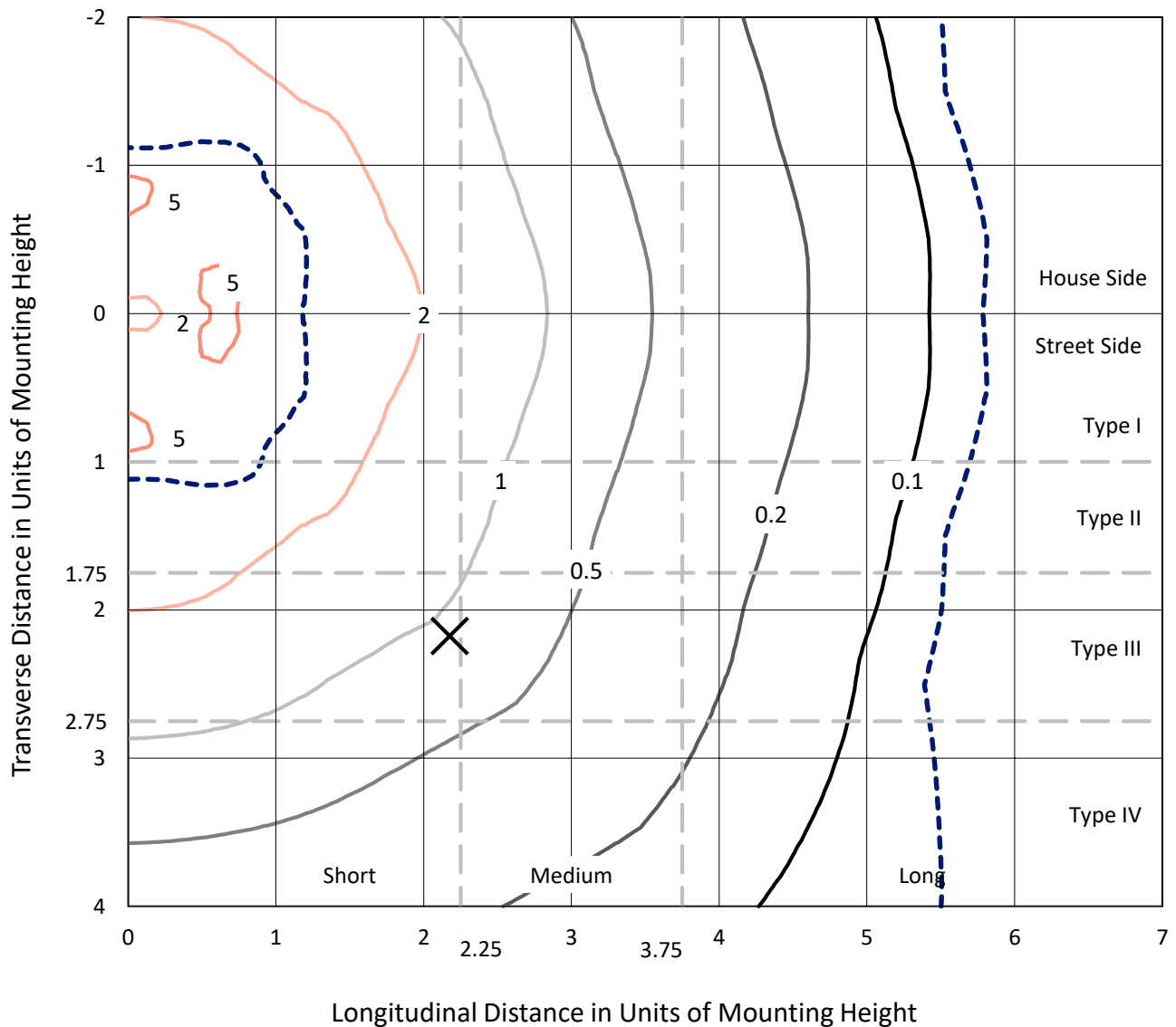
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P156991
 CATALOG NUMBER: UTLD-E03-LED-E-U-5XQ-7050

Iso-Footcandle Lines of Horizontal Illumination

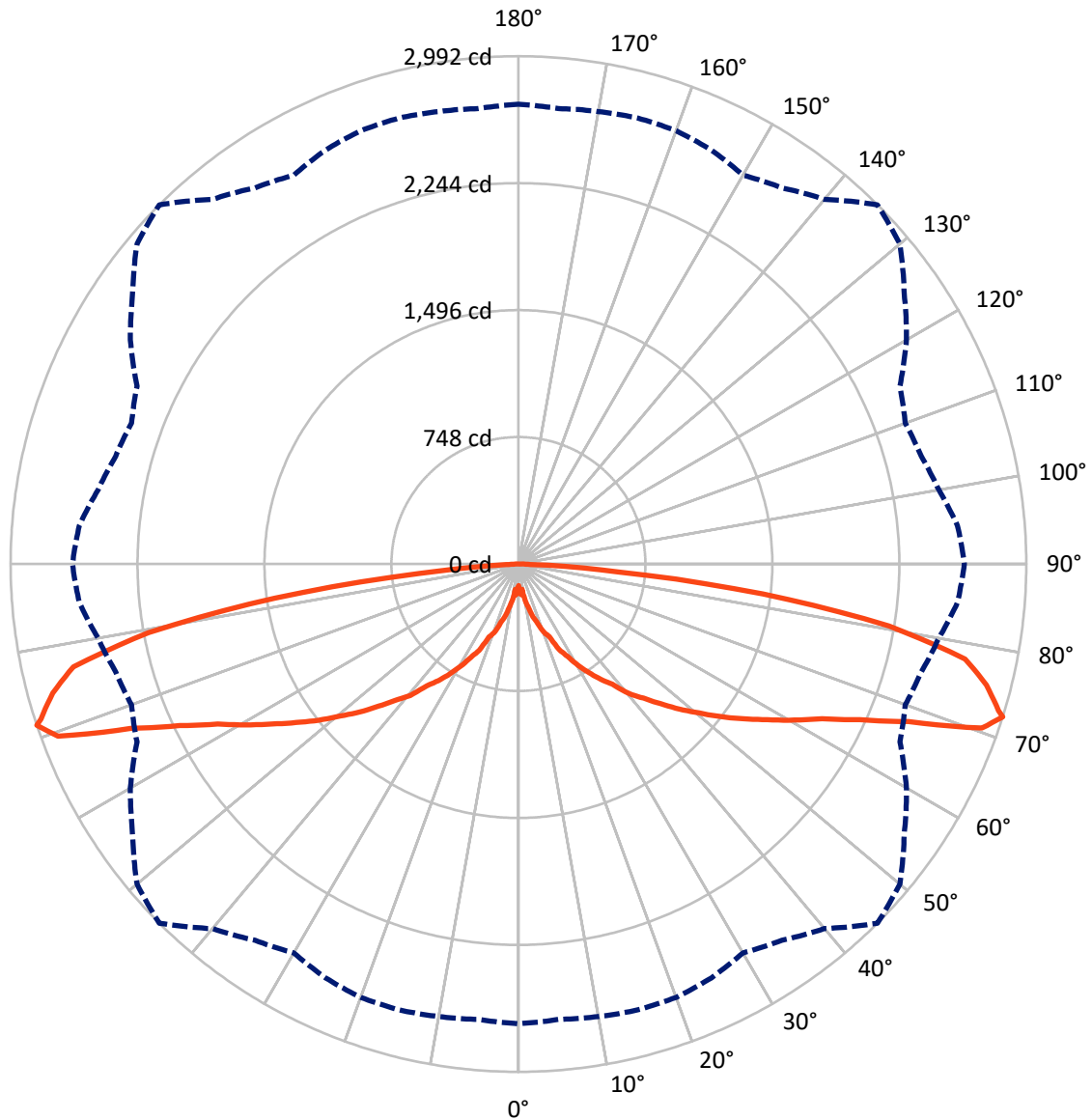
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P156991
CATALOG NUMBER: UTLD-E03-LED-E-U-5XQ-7050

Luminous Intensity Polar Plot



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

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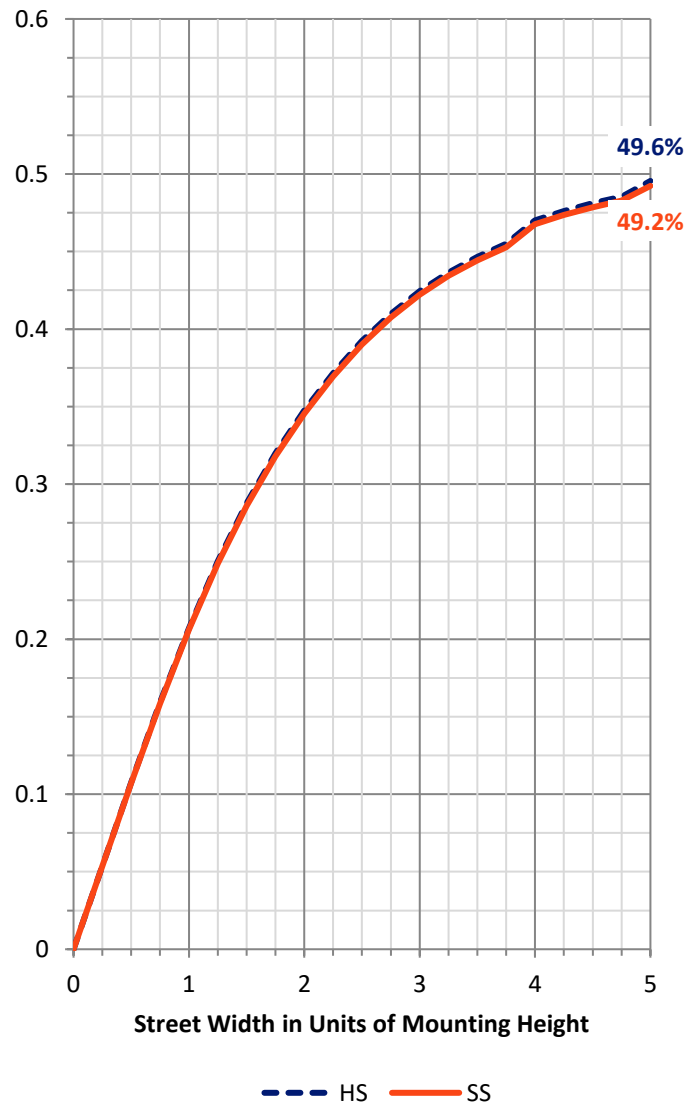
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4375.9	0.0	4375.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4375.9	0.0	4375.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	8751.8	0.0	8751.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	0.2
10°-20°	93.0	1.1
20°-30°	276.2	3.2
30°-40°	560.9	6.4
40°-50°	956.9	10.9
50°-60°	1484.4	17.0
60°-70°	2225.7	25.4
70°-80°	2574.4	29.4
80°-90°	563.2	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°	8751.8	100.0
0°-180°	8751.8	100.0



REPORT NUMBER: P156991

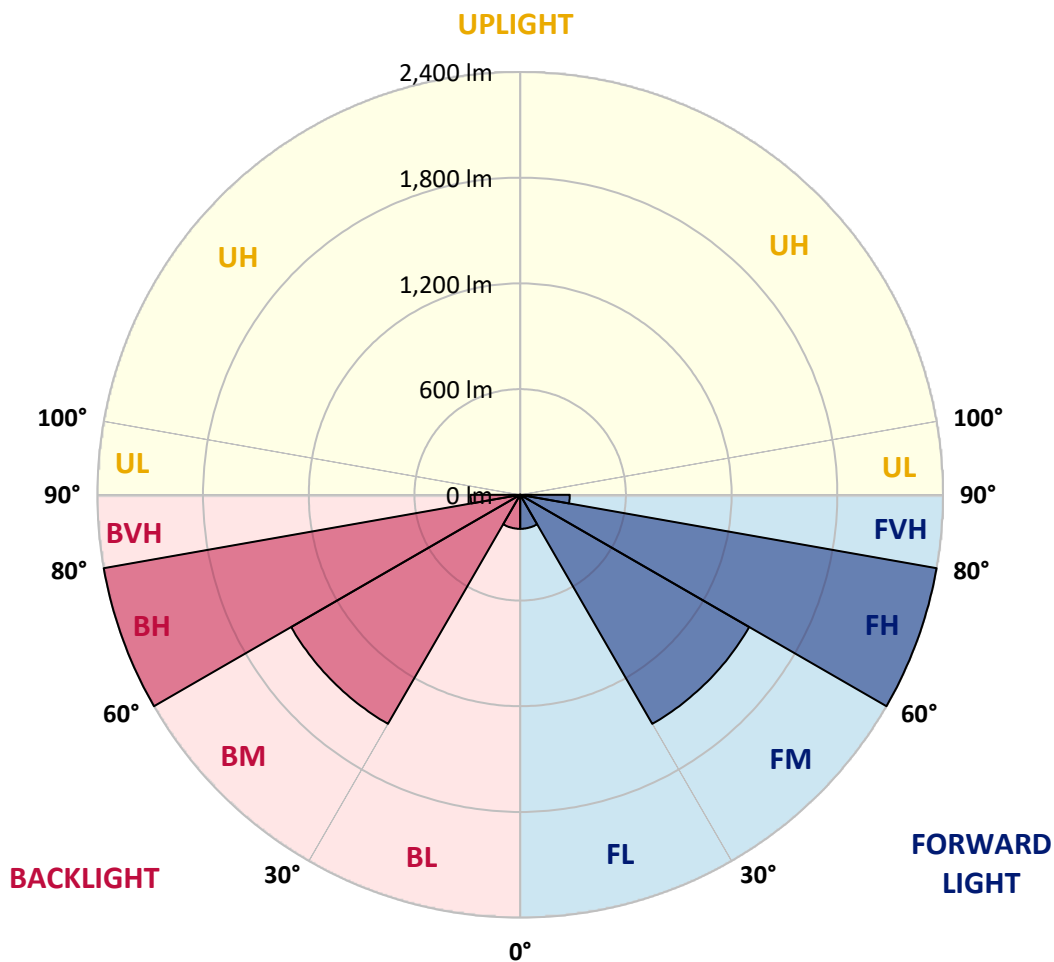
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	193.1	2.2			
FM	(30°-60°)	1501.1	17.2			
FH	(60°-80°)	2400.1	27.4			G2/5000
FVH	(80°-90°)	281.6	3.2			G3/500
BL	(0°-30°)	193.1	2.2	B1/500		
BM	(30°-60°)	1501.1	17.2	B2/2500		
BH	(60°-80°)	2400.1	27.4	B3/2500		G2/5000
BVH	(80°-90°)	281.6	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





REPORT NUMBER: P156991

CATALOG NUMBER: UTLD-E03-LED-E-U-5XQ-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	126.2	126.2	126.2	126.2	126.2	126.2	126.2	126.2	126.2	126.2	126.2
2.5°	201.6	198.6	200.1	198.6	198.6	197.0	177.0	170.8	170.8	172.4	169.3
5°	149.3	150.8	149.3	153.9	157.0	150.8	150.8	153.9	155.5	181.6	184.7
7.5°	230.9	232.4	230.9	229.3	212.4	195.5	192.4	187.8	153.9	150.8	147.8
10°	240.1	240.1	243.2	237.0	235.5	235.5	234.0	232.4	223.2	218.6	186.2
12.5°	320.1	323.2	321.7	318.6	317.1	278.6	272.4	243.2	232.4	264.7	292.4
15°	334.0	332.5	335.5	329.4	326.3	326.3	312.4	324.8	347.8	321.7	301.7
17.5°	414.0	414.0	414.0	411.0	400.2	369.4	372.5	378.6	377.1	366.3	378.6
20°	463.3	463.3	460.2	431.0	411.0	429.4	455.6	441.7	423.3	429.4	440.2
22.5°	509.5	511.0	507.9	498.7	497.1	512.5	489.5	475.6	506.4	463.3	484.8
25°	600.3	601.8	597.2	554.1	547.9	547.9	544.9	552.6	532.5	558.7	595.7
27.5°	649.5	621.8	617.2	604.9	631.1	620.3	615.7	581.8	651.1	615.7	640.3
30°	723.4	723.4	717.2	709.6	704.9	672.6	660.3	681.8	684.9	692.6	757.3
32.5°	834.2	837.3	820.4	778.8	751.1	745.0	754.2	751.1	758.8	763.4	817.3
35°	925.0	926.6	895.8	868.1	848.1	828.1	823.4	812.7	832.7	834.2	875.8
37.5°	1022.0	1031.2	1002.0	988.1	955.8	925.0	889.6	885.0	906.6	898.9	965.1
40°	1166.7	1171.3	1145.1	1114.4	1046.6	1011.2	971.2	966.6	968.1	1003.5	1035.9
42.5°	1256.0	1257.5	1234.4	1197.5	1157.4	1115.9	1060.5	1040.5	1049.7	1080.5	1109.7
45°	1356.0	1354.5	1334.5	1305.2	1263.6	1209.8	1143.6	1126.7	1135.9	1174.4	1200.5
47.5°	1459.1	1456.0	1442.2	1408.3	1357.5	1299.0	1232.9	1226.7	1226.7	1277.5	1299.0
50°	1559.2	1560.7	1546.9	1514.5	1453.0	1396.0	1343.7	1319.1	1326.8	1379.1	1403.7
52.5°	1671.5	1674.6	1654.6	1620.7	1554.5	1511.5	1459.1	1422.2	1422.2	1494.5	1516.1
55°	1788.5	1790.0	1777.7	1734.6	1683.8	1633.0	1571.5	1526.8	1528.4	1608.4	1626.9
57.5°	1908.6	1905.5	1891.6	1859.3	1825.4	1743.9	1677.7	1637.7	1648.4	1730.0	1743.9
60°	2034.8	2033.2	2019.4	1988.6	1937.8	1837.8	1799.3	1774.6	1765.4	1867.0	1868.5
62.5°	2179.4	2173.3	2162.5	2134.8	2065.6	1974.7	1933.2	1920.9	1902.4	2007.1	2011.7
65°	2358.0	2347.2	2339.5	2308.7	2239.5	2133.3	2079.4	2093.3	2080.9	2210.2	2193.3
67.5°	2633.5	2613.5	2588.9	2561.2	2484.2	2387.2	2313.4	2344.1	2336.4	2478.0	2471.9
70°	2856.7	2844.4	2842.8	2839.7	2802.8	2741.2	2659.7	2685.8	2718.2	2896.7	2878.2
72°	2708.9	2693.5	2707.4	2719.7	2716.6	2690.4	2645.8	2705.8	2804.3	2992.1	2933.6
72.5°	2673.5	2658.1	2667.4	2678.1	2678.1	2653.5	2613.5	2670.4	2775.1	2958.3	2902.9
75°	2508.8	2504.2	2511.9	2525.8	2541.2	2528.8	2522.7	2558.1	2667.4	2847.4	2778.2
77.5°	2237.9	2244.1	2253.3	2273.3	2302.6	2316.4	2351.8	2407.2	2530.4	2690.4	2633.5
80°	1708.5	1699.2	1722.3	1763.9	1794.7	1825.4	1873.2	1940.9	2070.2	2214.8	2127.1
82.5°	571.0	638.8	675.7	755.7	860.4	932.7	1035.9	1171.3	1329.8	1449.9	1340.6
85°	49.3	58.5	81.6	112.4	144.7	192.4	290.9	364.8	481.8	589.5	498.7
87.5°	12.3	20.0	35.4	49.3	50.8	52.3	58.5	63.1	69.3	70.8	87.7
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: P156991

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	126.2	126.2	126.2	126.2	126.2	126.2	126.2	126.2
2.5°	166.2	158.5	144.7	130.8	129.3	127.8	126.2	124.7
5°	186.2	197.0	170.8	167.8	161.6	132.4	127.8	124.7
7.5°	149.3	150.8	175.5	175.5	158.5	153.9	127.8	124.7
10°	166.2	161.6	198.6	232.4	241.6	224.7	187.8	184.7
12.5°	283.2	246.3	212.4	215.5	241.6	234.0	209.3	183.2
15°	300.1	289.4	294.0	292.4	289.4	309.4	278.6	272.4
17.5°	369.4	358.6	355.5	317.1	300.1	301.7	309.4	289.4
20°	397.1	398.6	480.2	481.8	451.0	446.4	444.8	440.2
22.5°	537.2	534.1	517.2	511.0	480.2	569.5	581.8	581.8
25°	563.3	608.0	671.1	669.5	652.6	626.4	631.1	601.8
27.5°	701.9	701.9	700.3	715.7	738.8	724.9	715.7	701.9
30°	731.1	778.8	791.1	768.0	778.8	794.2	811.1	826.5
32.5°	815.8	808.1	852.7	872.7	889.6	901.9	861.9	877.3
35°	883.5	911.2	918.9	918.9	931.2	938.9	912.7	912.7
37.5°	960.4	972.7	966.6	975.8	980.4	997.4	994.3	986.6
40°	1025.1	1037.4	1034.3	1040.5	1038.9	1068.2	1077.4	1045.1
42.5°	1106.7	1114.4	1109.7	1112.8	1132.8	1146.7	1175.9	1155.9
45°	1188.2	1195.9	1191.3	1195.9	1229.8	1235.9	1276.0	1272.9
47.5°	1282.1	1283.7	1283.7	1299.0	1328.3	1332.9	1377.5	1376.0
50°	1382.2	1389.9	1376.0	1396.0	1428.3	1448.3	1485.3	1505.3
52.5°	1494.5	1500.7	1465.3	1514.5	1540.7	1571.5	1590.0	1622.3
55°	1596.1	1605.3	1568.4	1617.7	1642.3	1671.5	1717.7	1746.9
57.5°	1703.8	1697.7	1697.7	1710.0	1733.1	1773.1	1833.1	1887.0
60°	1827.0	1805.4	1802.4	1802.4	1847.0	1916.3	1964.0	2019.4
62.5°	1970.1	1934.7	1940.9	1919.3	1971.7	2056.3	2113.3	2182.5
65°	2141.0	2099.4	2090.2	2079.4	2117.9	2211.8	2299.5	2351.8
67.5°	2394.9	2333.4	2299.5	2288.7	2333.4	2422.6	2533.5	2588.9
70°	2772.0	2664.3	2548.8	2522.7	2524.2	2612.0	2702.8	2753.6
72°	2775.1	2639.7	2479.6	2425.7	2456.5	2515.0	2596.6	2627.3
72.5°	2733.5	2604.3	2436.5	2396.5	2442.6	2487.3	2576.6	2599.6
75°	2639.7	2510.4	2342.6	2316.4	2334.9	2364.1	2448.8	2456.5
77.5°	2484.2	2339.5	2136.4	2085.6	2040.9	2102.5	2165.6	2145.6
80°	1993.2	1828.5	1636.1	1597.6	1520.7	1562.2	1599.2	1569.9
82.5°	1171.3	975.8	806.5	711.1	589.5	560.3	572.6	480.2
85°	372.5	249.3	175.5	118.5	104.7	81.6	67.7	58.5
87.5°	81.6	67.7	61.6	56.9	56.9	47.7	33.9	27.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)