

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: P511056

Luminaire Tested: **USSL-P-C01-D-U-T4-7050**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511056
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-P-C01-D-U-T4-7050
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 5000K, 1650mA LED AND TYPE IV OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11990 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

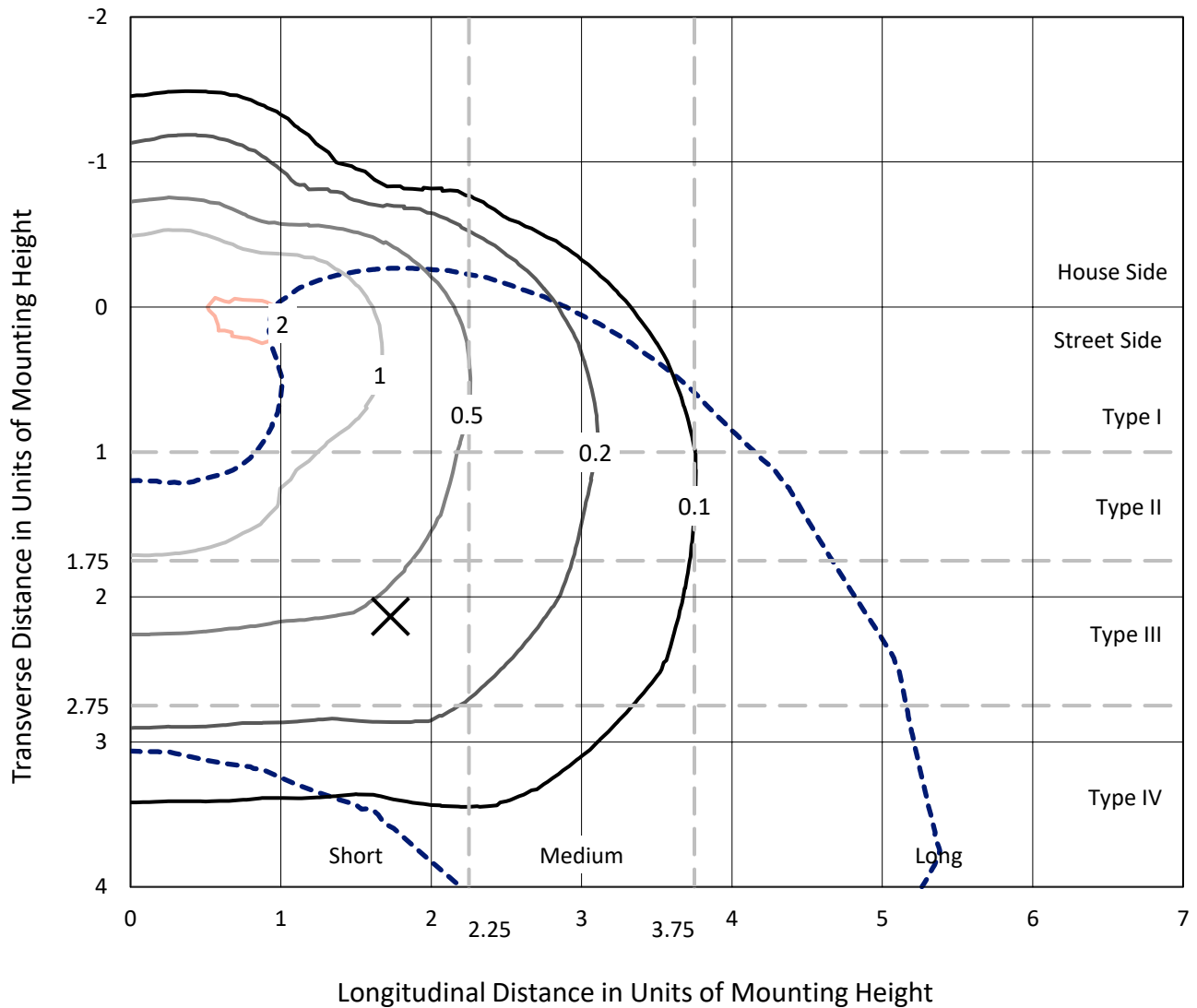
Input Watts (W): 94.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

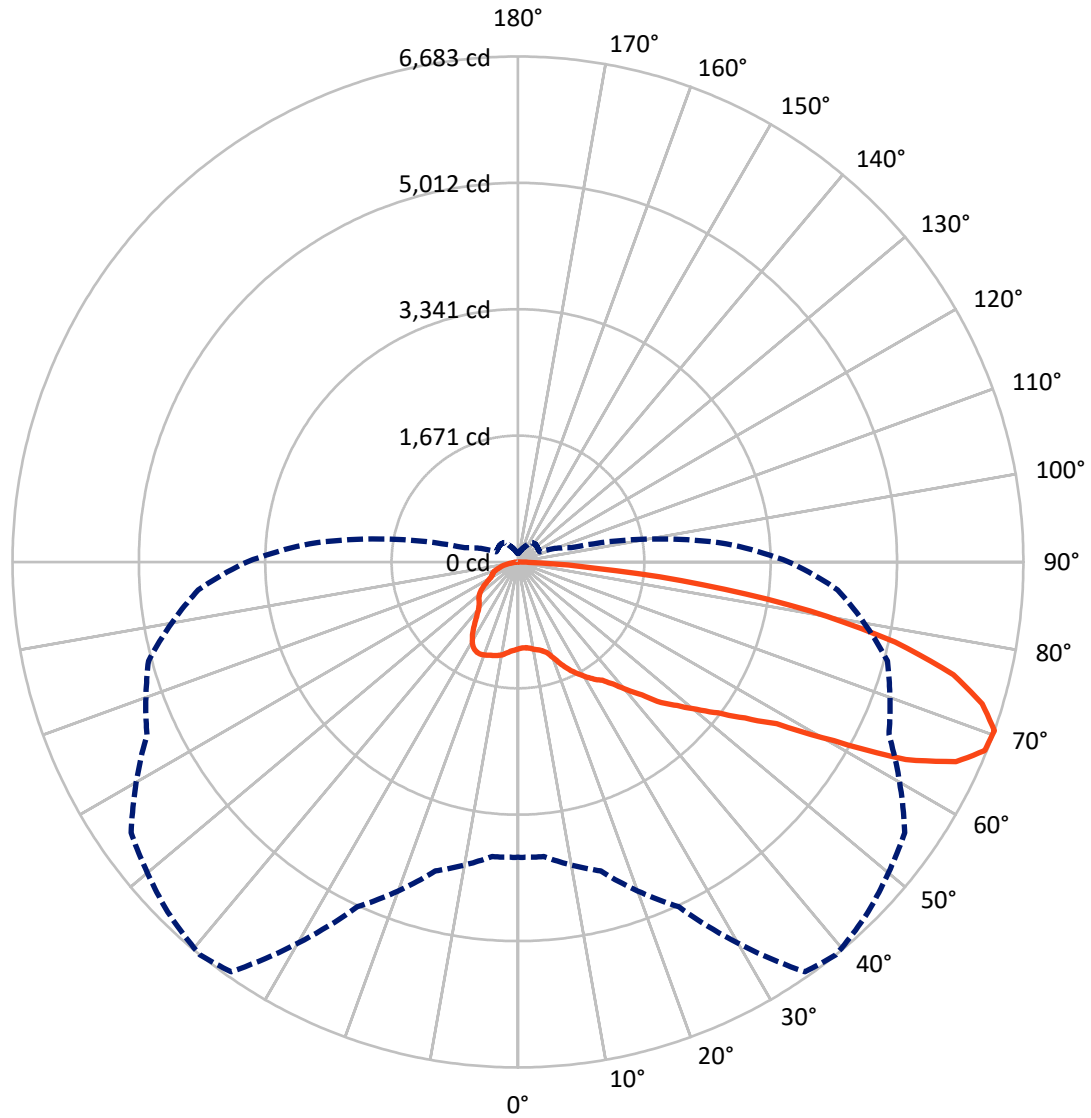
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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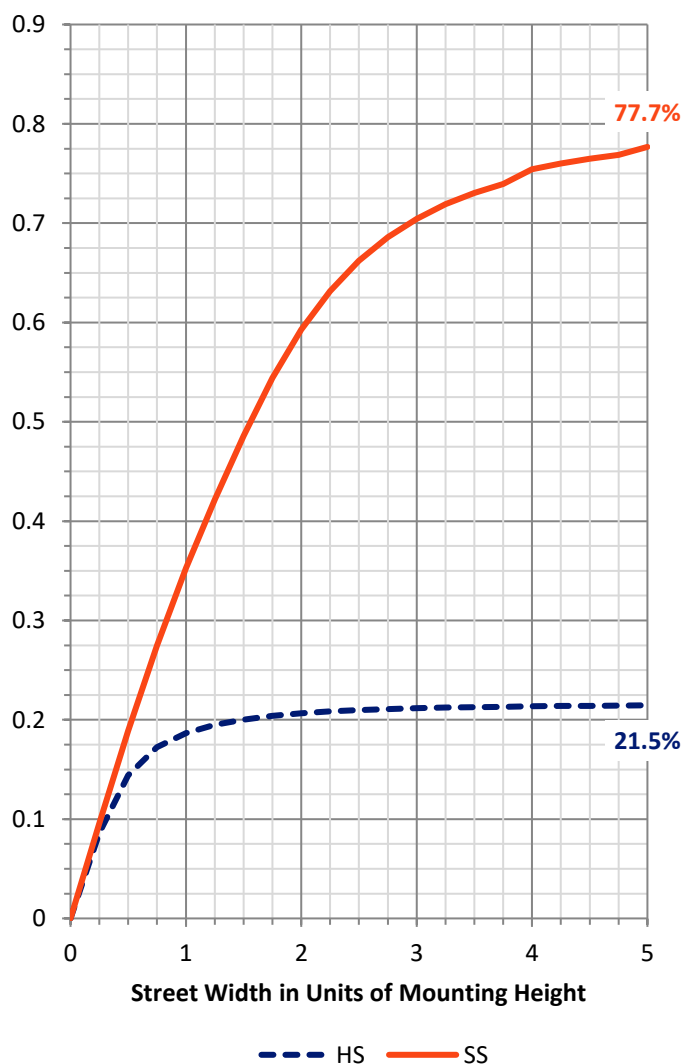
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2593.3	0.0	2593.3
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	9396.7	0.0	9396.7
	% Fixture	78.4	0.0	78.4
Total	Lumens	11990.0	0.0	11990.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.1	0.9
10°-20°	359.2	3.0
20°-30°	681.4	5.7
30°-40°	1065.6	8.9
40°-50°	1618.1	13.5
50°-60°	2369.7	19.8
60°-70°	3049.2	25.4
70°-80°	2317.9	19.3
80°-90°	416.7	3.5
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°	11990.0	100.0
0°-180°	11990.0	100.0

Coefficient of Utilization



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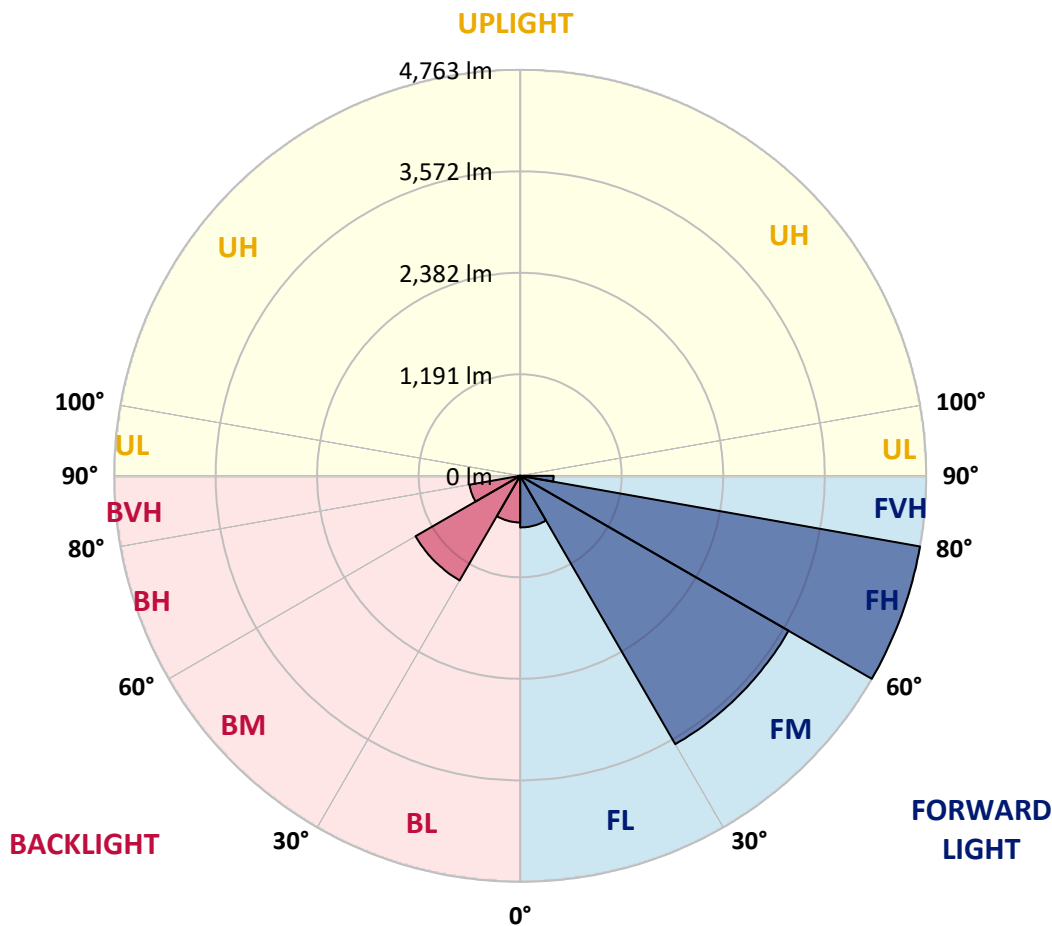
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	605.8	5.1			
FM (30°-60°)	3635.8	30.3			
FH (60°-80°)	4763.0	39.7			G2/5000
FVH (80°-90°)	392.1	3.3			G3/500
BL (0°-30°)	546.8	4.6	B2/1000		
BM (30°-60°)	1417.7	11.8	B2/2500		
BH (60°-80°)	604.1	5.0	B2/1000		G2/1000
BVH (80°-90°)	24.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	1147.3	1147.3	1147.3	1147.3	1147.3	1147.3	1147.3	1147.3	1147.3	1147.3	1147.3
2.5°	1135.0	1132.6	1132.6	1135.0	1135.0	1137.5	1137.5	1140.0	1142.4	1149.8	1152.2
5°	1130.1	1132.6	1132.6	1135.0	1137.5	1137.5	1137.5	1140.0	1140.0	1147.3	1149.8
7.5°	1135.0	1137.5	1142.4	1147.3	1149.8	1152.2	1154.7	1157.2	1157.2	1159.6	1164.5
10°	1142.4	1147.3	1149.8	1159.6	1171.9	1174.4	1179.3	1186.6	1189.1	1191.6	1196.5
12.5°	1159.6	1157.2	1162.1	1174.4	1186.6	1191.6	1198.9	1211.2	1221.0	1221.0	1225.9
15°	1174.4	1176.8	1181.7	1194.0	1208.8	1218.6	1228.4	1243.1	1255.4	1262.8	1267.7
17.5°	1253.0	1248.1	1255.4	1245.6	1255.4	1262.8	1275.1	1292.3	1311.9	1319.3	1329.1
20°	1370.9	1375.8	1363.5	1366.0	1358.6	1356.2	1351.2	1353.7	1373.4	1395.5	1412.7
22.5°	1506.0	1515.9	1510.9	1491.3	1474.1	1471.6	1461.8	1456.9	1461.8	1488.8	1513.4
25°	1626.4	1628.9	1626.4	1601.8	1582.2	1577.3	1577.3	1587.1	1589.6	1599.4	1621.5
27.5°	1717.3	1717.3	1709.9	1695.2	1675.5	1668.2	1675.5	1700.1	1722.2	1737.0	1761.5
30°	1788.6	1788.6	1781.2	1773.8	1766.4	1759.1	1764.0	1815.6	1867.2	1901.6	1958.1
32.5°	1933.5	1923.7	1906.5	1840.2	1847.5	1847.5	1852.4	1911.4	1999.8	2085.8	2164.5
35°	2078.5	2071.1	2051.4	2004.8	1923.7	1921.2	1948.3	2014.6	2127.6	2284.8	2420.0
37.5°	2262.7	2255.4	2233.2	2162.0	2085.8	2046.5	2024.4	2120.2	2279.9	2533.0	2722.1
40°	2476.5	2474.0	2434.7	2343.8	2245.5	2223.4	2171.8	2238.2	2464.2	2825.3	3034.2
42.5°	2638.6	2638.6	2609.1	2513.3	2439.6	2402.8	2370.8	2397.8	2682.8	3161.9	3329.0
45°	2751.6	2766.4	2746.7	2700.0	2655.8	2653.4	2626.3	2687.8	2965.4	3515.7	3611.5
47.5°	2891.7	2896.6	2854.8	2840.1	2832.7	2835.2	2874.5	2992.4	3245.4	3832.6	3859.7
50°	3289.7	3284.8	3127.5	3053.8	3014.5	3063.6	3130.0	3292.1	3579.6	4117.6	4073.4
52.5°	3783.5	3712.2	3449.4	3311.8	3282.3	3316.7	3400.2	3579.6	3967.8	4368.2	4242.9
55°	4297.0	4245.4	4070.9	3766.3	3596.8	3643.5	3687.7	3854.7	4328.9	4591.8	4395.2
57.5°	4628.6	4633.5	4623.7	4468.9	4093.1	4036.5	4039.0	4156.9	4631.1	4832.6	4525.4
60°	4901.3	4945.6	5065.9	5031.6	4962.8	4800.6	4500.9	4473.9	4911.2	5002.1	4623.7
62.5°	5046.3	5068.4	5265.0	5436.9	5736.7	5756.3	5409.9	4832.6	5174.0	5120.0	4670.4
65°	4911.2	4925.9	5191.2	5540.1	6260.0	6365.6	6245.2	5400.1	5373.0	5179.0	4648.3
67.5°	4466.5	4491.1	4768.7	5429.6	6576.9	6655.5	6554.8	6132.2	5454.1	5154.4	4518.1
70°	3903.9	3908.8	4228.2	5029.1	6613.7	6682.5	6547.4	6242.8	5412.4	5056.1	4242.9
72.5°	3159.5	3191.4	3520.6	4346.1	6350.9	6417.2	6336.1	6100.3	5316.5	4854.7	3734.4
75°	2427.3	2400.3	2714.8	3456.7	5687.5	5945.5	5913.5	5837.4	5063.5	4279.8	2904.0
77.5°	1510.9	1552.7	1857.4	2596.9	4680.2	5100.3	5306.7	5390.2	4392.8	3292.1	1668.2
80°	700.2	719.8	1058.9	1737.0	3464.1	3918.6	4314.2	4309.2	3245.4	1958.1	491.4
82.5°	221.1	230.9	425.0	982.7	2189.0	2464.2	2763.9	2508.4	1127.7	240.8	78.6
85°	93.4	100.7	174.4	368.5	845.1	1014.7	1176.8	1164.5	122.8	63.9	44.2
87.5°	51.6	54.0	66.3	98.3	130.2	137.6	152.3	135.1	27.0	27.0	14.7
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1147.3	1147.3	1147.3	1147.3	1147.3	1147.3	1147.3	1147.3	1147.3	1147.3	1147.3
2.5°	1152.2	1152.2	1157.2	1162.1	1162.1	1164.5	1164.5	1164.5	1164.5	1159.6	1157.2
5°	1152.2	1154.7	1162.1	1169.4	1176.8	1179.3	1184.2	1184.2	1186.6	1189.1	1186.6
7.5°	1169.4	1174.4	1184.2	1196.5	1203.8	1208.8	1213.7	1216.1	1216.1	1218.6	1218.6
10°	1198.9	1203.8	1221.0	1233.3	1240.7	1245.6	1243.1	1243.1	1245.6	1243.1	1243.1
12.5°	1228.4	1235.8	1255.4	1272.6	1272.6	1265.3	1260.3	1255.4	1253.0	1250.5	1248.1
15°	1272.6	1277.5	1304.6	1314.4	1304.6	1287.4	1270.2	1253.0	1240.7	1233.3	1233.3
17.5°	1339.0	1351.2	1380.7	1370.9	1346.3	1309.5	1275.1	1238.2	1208.8	1191.6	1191.6
20°	1425.0	1439.7	1466.7	1444.6	1397.9	1341.4	1280.0	1213.7	1154.7	1120.3	1112.9
22.5°	1528.1	1550.2	1560.1	1515.9	1447.1	1370.9	1280.0	1189.1	1095.7	1017.1	999.9
25°	1653.4	1670.6	1646.1	1569.9	1479.0	1375.8	1267.7	1149.8	1009.8	901.7	889.4
27.5°	1793.5	1793.5	1727.1	1611.7	1486.4	1356.2	1233.3	1076.1	901.7	823.0	813.2
30°	1965.5	1928.6	1798.4	1636.2	1466.7	1316.9	1164.5	960.6	820.6	751.8	744.4
32.5°	2149.7	2073.6	1867.2	1643.6	1427.4	1248.1	1058.9	869.7	761.6	690.4	680.5
35°	2373.3	2252.9	1938.4	1626.4	1353.7	1149.8	933.6	796.0	700.2	621.6	611.7
37.5°	2653.4	2481.4	2017.0	1589.6	1260.3	1024.5	835.3	724.8	641.2	555.2	540.5
40°	2943.3	2744.3	2135.0	1540.4	1152.2	911.5	756.7	675.6	597.0	506.1	486.4
42.5°	3230.7	2992.4	2284.8	1496.2	1056.4	835.3	724.8	668.3	582.3	486.4	469.3
45°	3483.8	3211.1	2424.9	1444.6	950.8	766.5	710.0	660.9	574.9	476.6	457.0
47.5°	3687.7	3412.5	2560.0	1400.4	852.5	719.8	695.3	641.2	555.2	461.9	442.2
50°	3879.3	3577.1	2653.4	1363.5	764.1	683.0	663.3	597.0	511.0	422.6	410.3
52.5°	4036.5	3707.3	2712.3	1378.3	678.1	643.7	611.7	538.0	452.1	385.7	368.5
55°	4154.5	3781.0	2722.1	1353.7	601.9	582.3	545.4	481.5	420.1	363.6	348.9
57.5°	4252.7	3815.4	2685.3	1142.4	535.6	508.6	479.1	437.3	378.3	324.3	314.5
60°	4284.7	3813.0	2591.9	810.7	461.9	420.1	429.9	398.0	336.6	285.0	275.2
62.5°	4267.5	3754.0	2351.2	565.1	393.1	380.8	395.5	363.6	302.2	255.5	248.1
65°	4176.6	3606.6	1987.6	393.1	356.2	363.6	378.3	344.0	280.1	235.9	230.9
67.5°	3967.8	3321.6	1454.4	339.0	339.0	351.3	358.7	314.5	194.1	137.6	127.8
70°	3584.5	2763.9	727.2	316.9	319.4	329.2	312.0	226.0	164.6	117.9	113.0
72.5°	2923.6	1948.3	258.0	292.4	294.8	282.5	253.1	199.0	142.5	103.2	95.8
75°	1899.1	953.2	223.6	272.7	255.5	238.3	223.6	167.1	120.4	73.7	68.8
77.5°	827.9	218.7	208.8	235.9	218.7	211.3	159.7	122.8	81.1	51.6	49.1
80°	140.0	130.2	196.5	174.4	174.4	130.2	98.3	73.7	49.1	31.9	29.5
82.5°	66.3	93.4	152.3	113.0	95.8	63.9	56.5	51.6	36.9	24.6	24.6
85°	49.1	73.7	59.0	51.6	36.9	36.9	41.8	29.5	24.6	12.3	12.3
87.5°	14.7	12.3	12.3	9.8	12.3	4.9	4.9	2.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)