

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: P477996

Luminaire Tested: **IFLD-S-SA2B-722-U-T4FT**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P477996
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-722-U-T4FT
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

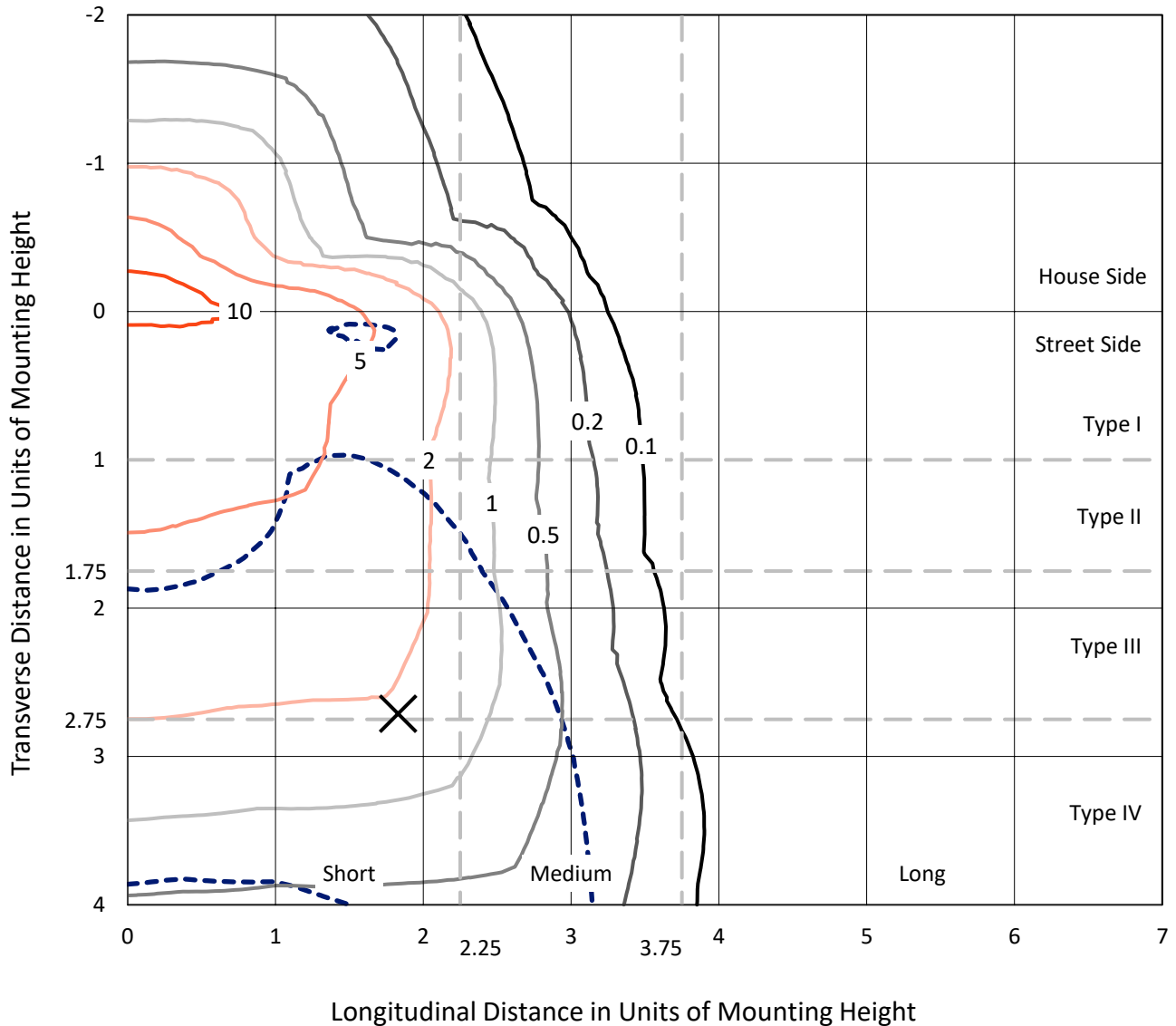
Lumens per Lamp: N/A
Luminaire Lumens: 8616.3 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 82.4
Input Voltage (V): 120
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

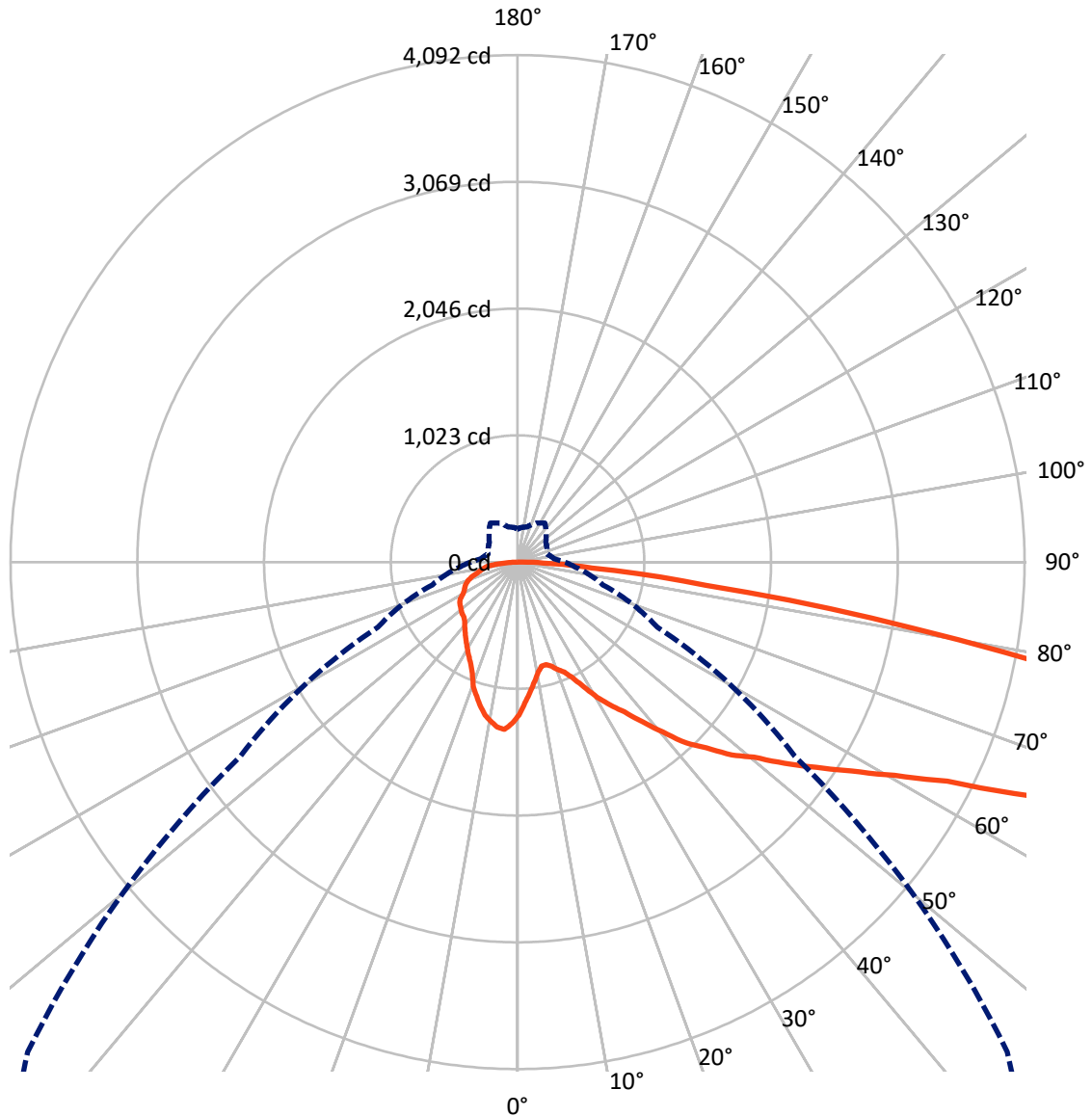
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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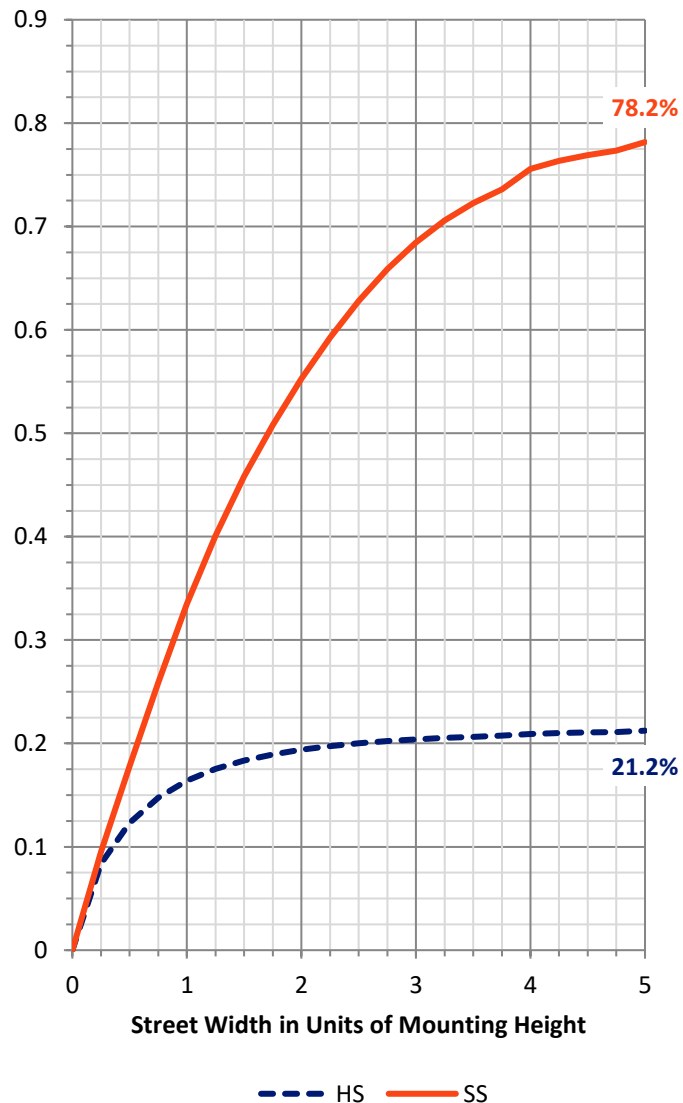
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1861.2	0.0	1861.2
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	6755.1	0.0	6755.1
	% Fixture	78.4	0.0	78.4
Total	Lumens	8616.3	0.0	8616.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.0	1.3
10°-20°	319.1	3.7
20°-30°	525.1	6.1
30°-40°	785.3	9.1
40°-50°	1164.2	13.5
50°-60°	1677.8	19.5
60°-70°	2141.1	24.8
70°-80°	1666.1	19.3
80°-90°	223.5	2.6
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°	8616.3	100.0
0°-180°	8616.3	100.0

Coefficient of Utilization

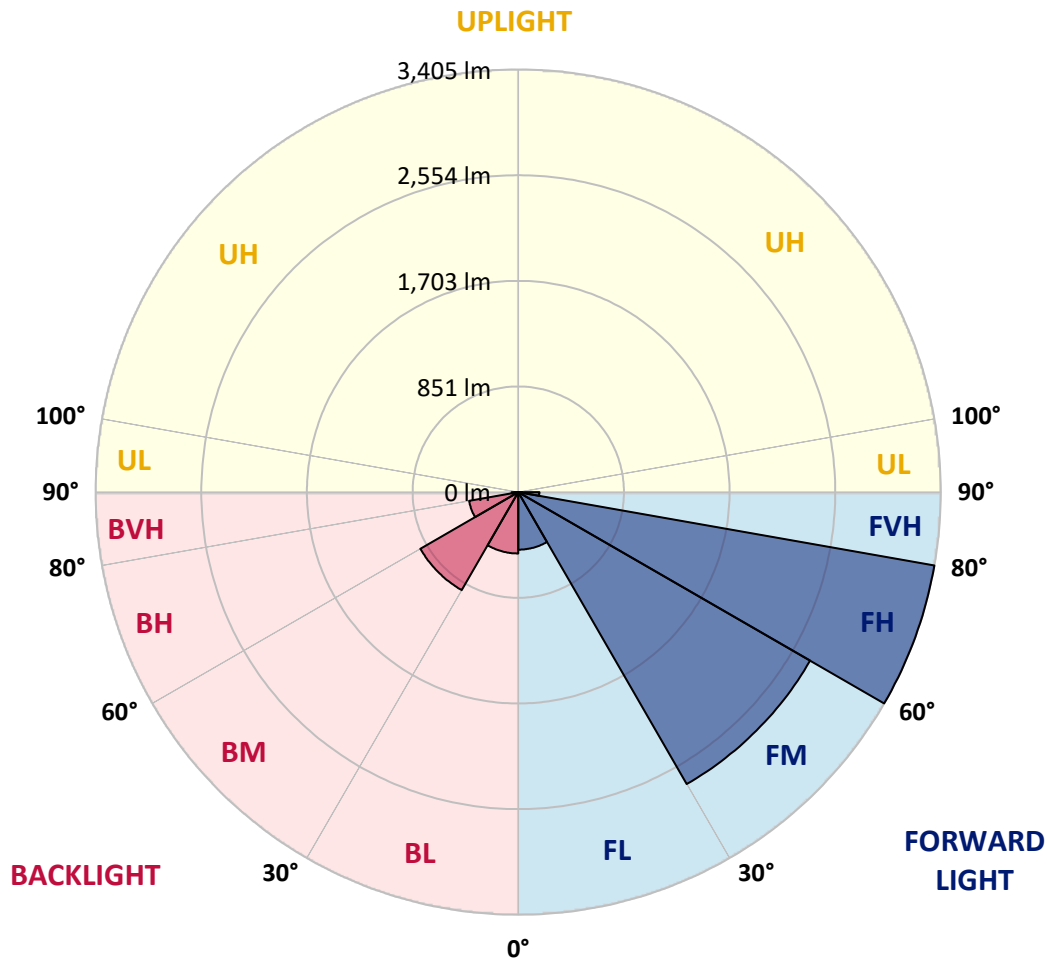


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	463.7	5.4			
FM (30°-60°)	2715.9	31.5			
FH (60°-80°)	3405.3	39.5			G2/5000
FVH (80°-90°)	170.1	2.0			G2/225
BL (0°-30°)	494.5	5.7	B1/500		
BM (30°-60°)	911.5	10.6	B1/1000		
BH (60°-80°)	401.9	4.7	B1/500		G1/500
BVH (80°-90°)	53.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3
2.5°	1106.8	1110.5	1122.3	1125.1	1137.8	1130.5	1146.0	1173.3	1188.8	1211.6	1238.9
5°	1019.4	1003.9	1011.2	1039.4	1054.0	1057.6	1074.0	1120.5	1149.7	1183.4	1234.4
7.5°	916.4	913.7	928.3	946.5	975.7	978.4	1014.8	1055.8	1115.9	1190.6	1250.8
10°	846.3	858.1	866.3	885.5	905.5	905.5	952.0	1023.0	1091.3	1163.3	1254.4
12.5°	842.7	835.4	837.2	847.2	861.8	880.0	923.7	987.5	1074.0	1157.9	1269.9
15°	854.5	857.2	840.8	853.6	859.1	865.4	913.7	985.7	1063.1	1177.0	1296.3
17.5°	917.4	901.9	876.4	864.5	883.6	883.6	916.4	972.9	1064.9	1187.0	1334.6
20°	966.5	966.5	924.6	911.9	925.6	922.8	945.6	987.5	1074.0	1207.0	1377.4
22.5°	1049.4	1061.3	992.1	965.6	964.7	972.0	992.1	1027.6	1099.5	1235.3	1418.4
25°	1168.8	1171.5	1091.3	1064.0	1034.9	1046.7	1050.4	1085.9	1122.3	1268.1	1464.8
27.5°	1301.8	1300.0	1226.2	1157.9	1138.7	1141.5	1121.4	1145.1	1156.0	1278.1	1531.4
30°	1449.4	1433.0	1377.4	1280.8	1265.3	1248.0	1204.3	1203.4	1226.2	1334.6	1623.4
32.5°	1545.9	1525.0	1486.7	1417.5	1374.7	1376.5	1307.3	1306.3	1286.3	1396.5	1703.5
35°	1640.7	1608.8	1598.8	1527.7	1484.9	1489.4	1433.9	1426.6	1390.1	1490.4	1835.6
37.5°	1754.5	1726.3	1741.8	1688.0	1635.2	1613.3	1587.8	1578.7	1531.4	1622.4	2016.0
40°	1880.3	1871.1	1861.1	1834.7	1802.8	1804.6	1777.3	1768.2	1698.1	1781.9	2189.1
42.5°	2049.7	2015.1	1963.2	1980.5	1996.9	2014.2	2005.1	1981.4	1908.5	1944.0	2382.2
45°	2207.3	2161.7	2066.1	2071.6	2139.0	2152.6	2262.9	2260.1	2113.5	2149.9	2601.7
47.5°	2313.9	2292.9	2235.5	2229.2	2325.7	2324.8	2523.4	2523.4	2329.4	2354.9	2837.7
50°	2472.4	2417.7	2393.1	2425.0	2474.2	2507.9	2789.4	2806.7	2541.6	2569.0	3146.5
52.5°	2658.2	2589.9	2528.0	2609.9	2697.4	2719.3	3052.7	3045.4	2704.7	2817.6	3508.2
55°	2812.2	2777.6	2734.7	2782.1	2925.1	2952.5	3316.9	3249.5	2867.8	3023.5	3682.2
57.5°	2991.6	3012.6	3021.7	3009.9	3180.2	3223.0	3618.4	3425.3	3008.0	3162.0	3784.2
60°	3262.2	3275.0	3286.8	3315.0	3495.4	3555.5	3857.1	3645.7	3096.4	3242.2	3792.4
62.5°	3674.0	3624.8	3651.2	3748.7	3893.5	3961.8	4208.7	3800.6	3163.8	3290.4	3524.6
65°	4144.9	4078.4	4051.1	4176.8	4552.1	4497.5	4647.8	3916.3	3066.3	3110.1	2988.9
67.5°	4622.3	4629.6	4559.4	4811.8	5271.8	5271.8	5055.9	3971.9	2802.2	2520.7	2096.2
70°	5001.3	5024.0	5062.3	5551.5	6280.3	6390.5	5561.5	3744.1	2263.8	1678.0	1146.0
72.5°	4995.8	4927.5	5123.3	6024.3	7196.7	7104.7	5667.2	2960.7	1412.9	821.7	525.6
73°	4883.7	4826.4	5040.4	6019.7	7234.1	7147.5	5589.7	2729.3	1246.2	712.4	467.3
75°	3988.3	3884.4	4248.8	5452.2	6692.9	6759.4	4748.9	1780.0	683.2	439.1	328.9
77.5°	1818.3	1863.9	2338.5	3657.6	5157.9	5236.3	3121.9	769.8	374.4	307.9	242.3
80°	583.9	613.1	910.1	1818.3	3233.1	3374.3	1443.0	349.8	266.9	235.9	181.3
82.5°	223.2	222.3	381.7	756.1	1532.3	1622.4	527.5	213.2	198.6	174.0	128.4
85°	78.3	82.0	143.9	298.8	603.1	631.3	183.1	118.4	137.6	116.6	73.8
87.5°	27.3	28.2	51.0	108.4	207.7	219.5	51.0	47.4	68.3	67.4	37.4
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°	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3
2.5°	1248.0	1256.2	1259.0	1291.8	1291.8	1291.8	1304.5	1304.5	1300.9	1291.8	1313.6
5°	1253.5	1268.1	1296.3	1324.6	1331.8	1338.2	1355.5	1341.0	1346.4	1337.3	1345.5
7.5°	1269.0	1289.0	1341.9	1359.2	1347.3	1361.0	1342.8	1332.8	1322.7	1326.4	1313.6
10°	1295.4	1320.9	1345.5	1377.4	1354.6	1341.0	1303.6	1294.5	1262.6	1251.7	1261.7
12.5°	1328.2	1359.2	1401.1	1389.2	1345.5	1306.3	1266.3	1228.0	1208.9	1181.5	1188.8
15°	1361.0	1396.5	1402.9	1382.9	1328.2	1279.0	1206.1	1152.4	1133.3	1108.7	1121.4
17.5°	1396.5	1430.2	1419.3	1367.4	1293.6	1218.9	1136.0	1083.2	1043.1	1027.6	1027.6
20°	1449.4	1465.8	1448.5	1341.9	1251.7	1153.3	1073.1	1013.0	972.9	966.5	956.5
22.5°	1490.4	1516.8	1439.3	1304.5	1190.6	1067.7	975.7	952.9	941.0	931.0	918.3
25°	1543.2	1542.3	1422.9	1269.9	1085.9	965.6	910.1	908.2	902.8	899.1	916.4
27.5°	1593.3	1572.3	1403.8	1184.3	977.5	888.2	858.1	878.2	886.4	880.9	888.2
30°	1672.6	1637.9	1376.5	1093.2	881.8	809.9	815.3	842.7	856.3	864.5	853.6
32.5°	1756.4	1703.5	1320.0	998.4	797.1	760.7	773.4	801.7	818.1	827.2	837.2
35°	1877.5	1754.5	1262.6	874.5	736.1	730.6	737.9	753.4	777.1	783.4	786.2
37.5°	2026.9	1832.0	1185.2	775.2	688.7	695.1	702.4	707.8	708.7	720.6	716.0
40°	2176.3	1897.6	1072.2	680.5	639.5	674.1	670.5	660.5	652.3	641.3	638.6
42.5°	2307.5	1955.0	946.5	600.3	595.8	652.3	640.4	614.9	595.8	587.6	573.9
45°	2455.1	2036.0	819.9	550.2	562.1	625.8	622.2	583.0	558.4	529.3	525.6
47.5°	2646.4	2120.8	698.7	498.3	530.2	615.8	617.6	567.5	532.0	492.8	487.4
50°	2891.4	2242.8	606.7	476.4	511.1	601.2	604.0	546.6	500.1	460.0	456.4
52.5°	3126.5	2367.6	530.2	442.7	498.3	583.9	590.3	527.5	473.7	423.6	426.3
55°	3244.9	2322.1	464.6	418.1	469.2	555.7	579.4	513.8	433.6	399.0	398.1
57.5°	3271.3	2210.0	412.7	392.6	444.6	525.6	561.2	472.8	415.4	386.3	382.6
60°	3184.8	2014.2	371.7	365.3	413.6	494.7	519.3	450.9	397.2	373.5	368.0
62.5°	2971.6	1811.0	343.4	352.5	387.2	461.0	492.8	435.4	379.9	363.5	351.6
65°	2436.9	1489.4	320.7	328.0	359.8	428.2	476.4	418.1	364.4	348.9	348.0
67.5°	1688.0	1026.7	302.4	316.1	338.0	404.5	460.0	399.0	344.3	338.9	331.6
70°	864.5	547.5	278.8	289.7	314.3	374.4	430.9	379.0	323.4	322.5	313.4
72.5°	438.2	320.7	251.4	267.8	285.1	335.2	394.5	352.5	297.0	287.0	272.4
73°	379.0	297.0	246.9	261.5	277.8	324.3	383.5	346.2	293.3	278.8	265.1
75°	276.0	234.1	221.4	235.9	248.7	292.4	347.1	317.0	269.6	254.2	241.4
77.5°	206.8	180.4	184.0	200.4	211.3	252.3	308.8	287.0	244.1	223.2	217.7
80°	152.1	137.6	152.1	167.6	175.8	222.3	281.5	248.7	205.9	182.2	177.6
82.5°	108.4	100.2	117.5	127.5	131.2	184.0	253.3	198.6	155.8	124.8	114.8
85°	61.9	61.0	79.3	78.3	81.1	107.5	166.7	132.1	100.2	76.5	74.7
87.5°	27.3	30.1	40.1	31.9	33.7	51.0	71.1	49.2	41.0	22.8	17.3
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)