

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: INVUE

Report Number: P672281

Luminaire Tested: **CCP-SA-1F-760-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672281
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-760-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T3R distribution lens
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7794.9 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

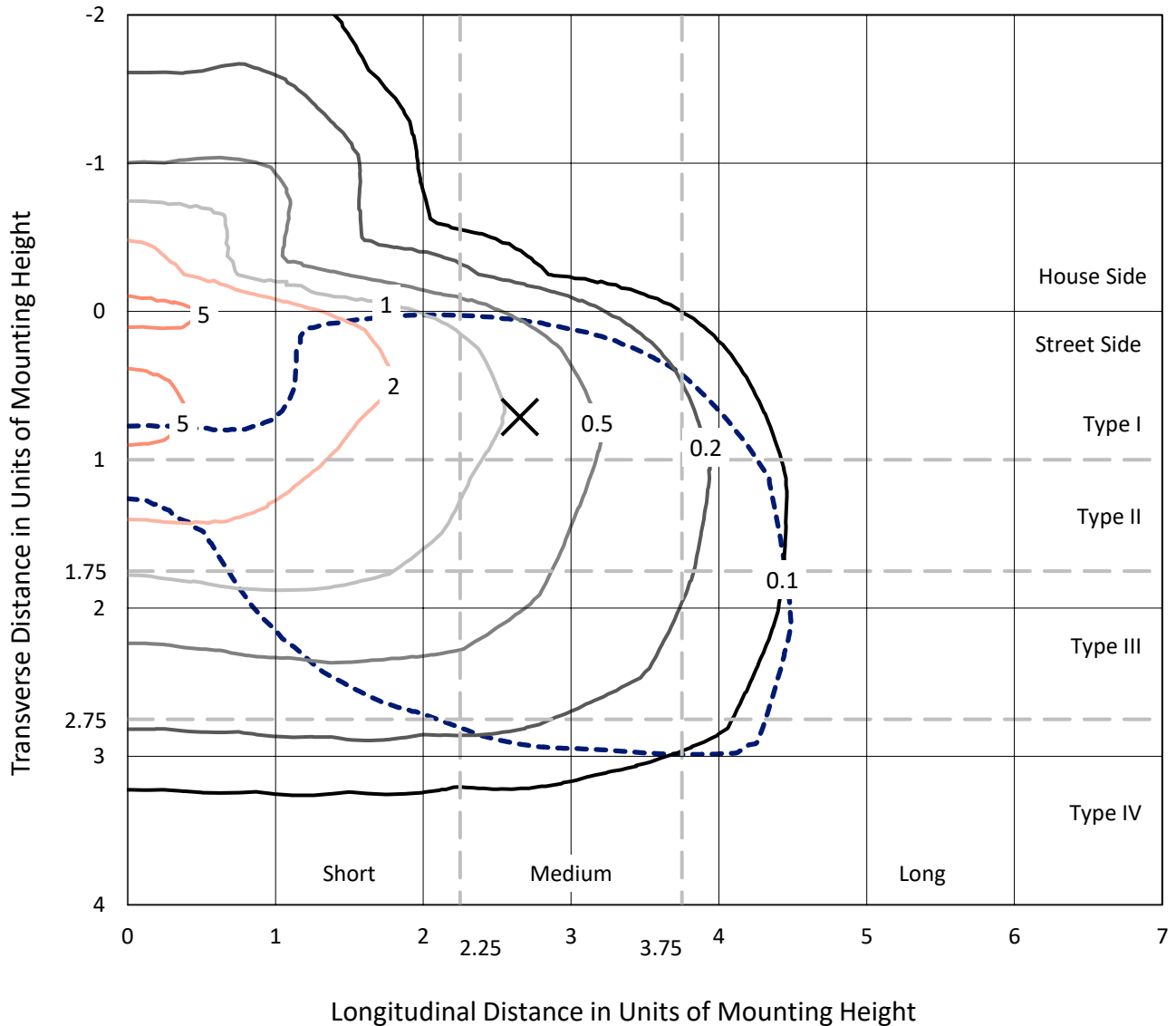
Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

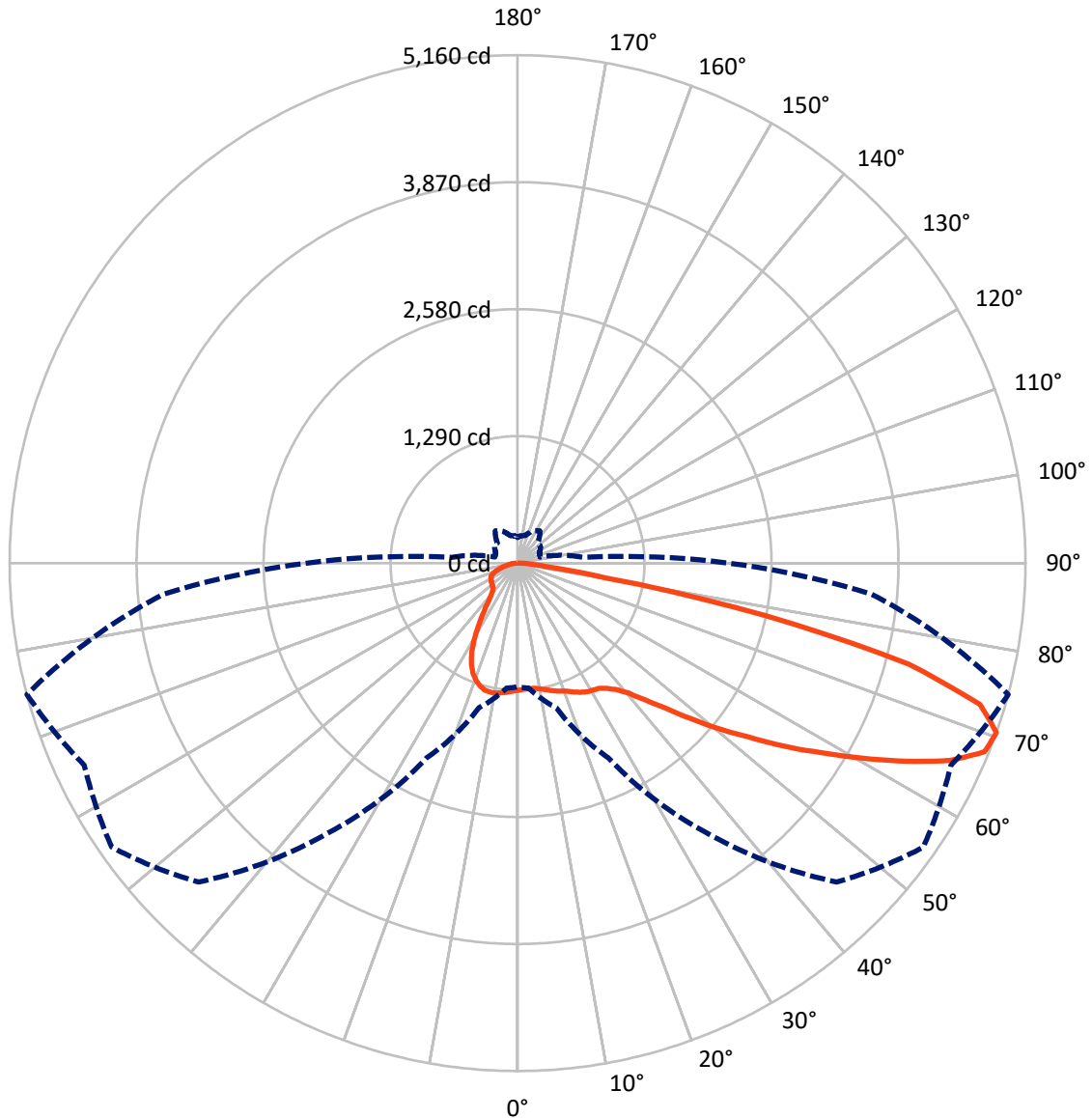
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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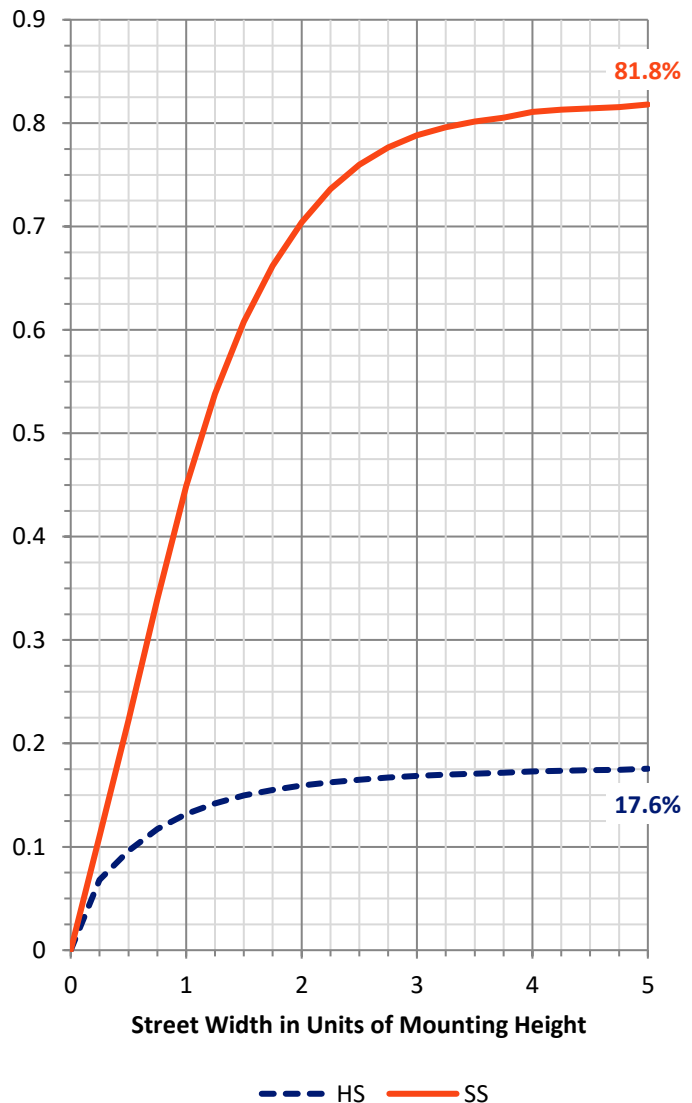
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1386.8	0.0	1386.8
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	6408.1	0.0	6408.1
	% Fixture	82.2	0.0	82.2
Total	Lumens	7794.9	0.0	7794.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.0	1.5
10°-20°	309.6	4.0
20°-30°	521.5	6.7
30°-40°	792.1	10.2
40°-50°	1134.8	14.6
50°-60°	1504.6	19.3
60°-70°	1882.9	24.2
70°-80°	1375.0	17.6
80°-90°	158.5	2.0
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°	7794.9	100.0
0°-180°	7794.9	100.0



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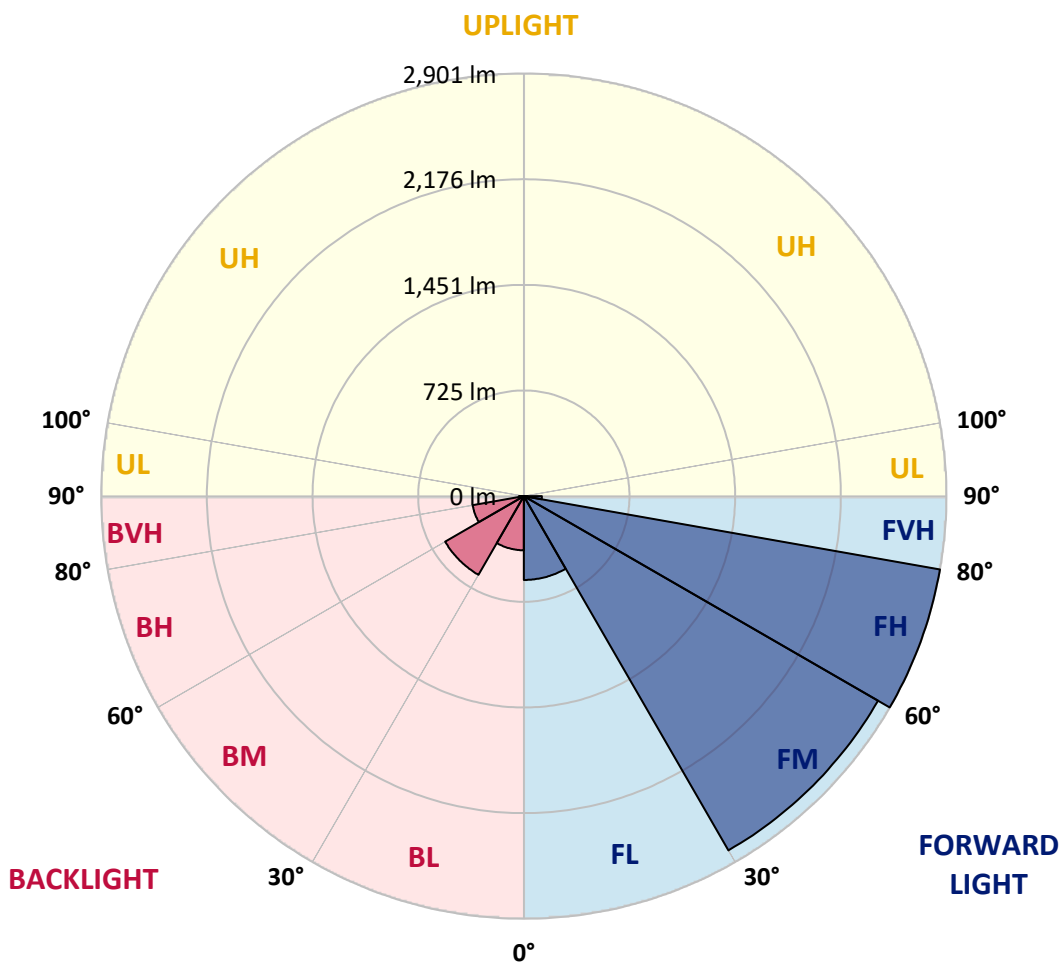
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	575.3	7.4			
FM (30°-60°)	2808.0	36.0			
FH (60°-80°)	2901.1	37.2			G2/5000
FVH (80°-90°)	123.7	1.6			G2/225
BL (0°-30°)	371.7	4.8	B1/500		
BM (30°-60°)	623.5	8.0	B1/1000		
BH (60°-80°)	356.7	4.6	B1/500		G1/500
BVH (80°-90°)	34.8	0.4			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2
2.5°	1220.5	1227.3	1233.4	1239.6	1244.6	1258.1	1260.9	1275.5	1279.4	1282.8	1287.3
5°	1152.1	1157.1	1163.3	1173.4	1184.1	1208.2	1225.0	1257.0	1274.9	1280.5	1296.2
7.5°	1115.1	1116.8	1125.2	1133.6	1145.9	1169.5	1192.5	1242.4	1278.3	1284.5	1318.1
10°	1088.2	1090.4	1098.2	1110.0	1122.4	1144.2	1172.8	1232.3	1290.6	1300.2	1347.8
12.5°	1078.6	1077.5	1086.5	1094.3	1111.7	1139.2	1168.9	1232.9	1307.5	1320.9	1391.0
15°	1116.8	1109.5	1115.1	1112.3	1117.9	1144.8	1180.1	1245.2	1328.2	1345.0	1435.9
17.5°	1200.9	1194.7	1190.8	1166.7	1151.0	1166.1	1199.8	1262.6	1350.1	1368.0	1476.3
20°	1326.5	1309.1	1294.6	1254.2	1210.4	1205.4	1228.9	1280.0	1370.8	1388.2	1518.9
22.5°	1469.6	1455.5	1432.0	1361.3	1293.4	1259.8	1266.0	1312.0	1401.1	1420.2	1567.7
25°	1650.2	1649.6	1601.4	1506.0	1403.4	1335.5	1322.6	1363.0	1435.3	1453.9	1608.1
27.5°	1856.0	1842.0	1784.8	1662.0	1532.9	1429.2	1398.9	1415.2	1462.8	1481.9	1640.6
30°	2032.1	2033.8	1975.5	1841.4	1670.9	1520.6	1463.4	1452.7	1480.8	1499.9	1670.9
32.5°	2220.6	2211.1	2157.8	2019.8	1820.1	1618.8	1504.9	1479.7	1499.3	1517.2	1713.0
35°	2397.9	2387.2	2341.2	2192.6	1984.5	1727.0	1561.0	1521.7	1543.0	1562.7	1764.6
37.5°	2566.7	2568.4	2516.2	2374.3	2143.8	1854.9	1644.0	1585.1	1608.1	1630.0	1843.1
40°	2714.2	2705.8	2665.4	2537.5	2309.2	1985.0	1737.7	1671.5	1716.4	1736.6	1942.4
42.5°	2761.3	2760.8	2776.5	2697.9	2483.1	2139.8	1854.3	1806.1	1869.5	1899.8	2064.1
45°	2720.4	2732.7	2823.6	2821.3	2657.0	2317.6	2013.6	1969.9	2061.3	2095.5	2212.8
47.5°	2680.0	2698.5	2821.9	2892.0	2812.9	2513.4	2209.4	2176.9	2308.1	2357.5	2367.0
50°	2621.1	2638.5	2785.4	2902.1	2908.3	2711.4	2462.9	2422.0	2590.8	2641.3	2534.7
52.5°	2555.5	2568.9	2720.9	2894.8	2953.7	2866.2	2711.4	2699.6	2893.7	2934.6	2705.2
55°	2193.1	2250.3	2626.1	2879.1	2985.1	2984.6	2953.2	2991.9	3224.1	3285.2	2895.4
57.5°	1985.0	2015.3	2359.2	2870.1	3044.0	3093.9	3202.8	3285.8	3576.9	3631.8	3105.2
60°	1917.2	1944.1	2225.1	2859.5	3161.2	3265.0	3446.7	3581.4	3956.0	4023.4	3339.6
62.5°	1855.5	1888.0	2170.7	2774.8	3303.2	3535.9	3737.9	3901.1	4356.0	4435.6	3572.9
65°	1729.8	1752.8	2070.9	2703.5	3437.8	3922.4	4158.0	4253.3	4743.6	4833.3	3727.8
67.5°	1512.8	1534.6	1845.9	2539.8	3525.3	4324.6	4617.3	4617.9	5043.1	5116.6	3760.3
70°	1257.5	1274.4	1521.7	2183.0	3343.0	4582.6	5031.9	4856.3	5127.8	5159.7	3605.5
72.5°	899.1	913.7	1114.5	1613.7	2741.1	4373.4	5126.1	4846.2	4922.5	4912.4	3165.2
75°	554.2	582.2	682.6	984.9	1703.5	3441.1	4613.4	4391.3	4133.3	4105.2	2383.3
77.5°	361.2	375.8	461.6	581.1	751.6	1975.5	3504.0	3292.5	2609.9	2577.3	1281.1
80°	217.1	241.2	302.3	365.1	340.5	755.5	2000.7	1635.6	922.1	912.0	393.8
82.5°	116.7	138.5	213.1	226.0	191.3	267.0	724.7	531.7	295.0	291.7	147.5
85°	92.5	103.2	153.1	143.0	108.3	135.2	282.7	221.6	151.4	148.1	55.5
87.5°	56.1	70.7	116.1	96.5	53.8	48.8	129.6	104.9	71.2	66.2	21.9
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°	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2	1291.2
2.5°	1295.7	1298.5	1301.3	1295.7	1297.9	1295.1	1295.1	1295.1	1287.8	1285.6	1292.3
5°	1308.0	1312.0	1314.2	1296.8	1286.1	1270.4	1257.5	1237.9	1226.7	1219.4	1219.4
7.5°	1333.3	1337.8	1327.7	1289.0	1251.4	1209.3	1166.1	1130.2	1104.4	1093.2	1096.6
10°	1370.3	1372.0	1338.3	1267.1	1186.9	1108.9	1047.8	1000.1	968.1	951.9	949.6
12.5°	1413.5	1406.2	1340.6	1218.8	1099.9	995.0	920.4	858.7	817.8	802.1	794.2
15°	1456.1	1438.7	1332.1	1161.1	1001.2	875.0	779.7	721.3	696.1	688.8	686.0
17.5°	1494.2	1461.7	1304.1	1078.1	886.8	734.8	664.7	643.9	646.7	653.5	656.3
20°	1529.0	1479.1	1263.7	979.3	743.8	625.4	608.0	627.1	642.8	652.9	654.6
22.5°	1567.2	1495.9	1207.6	859.3	626.5	574.9	595.7	617.6	633.3	643.4	645.0
25°	1596.3	1495.4	1128.5	716.8	552.5	561.5	586.1	605.8	617.6	624.8	624.3
27.5°	1614.8	1481.9	1024.8	599.6	523.3	551.9	575.5	588.4	595.1	600.7	600.2
30°	1620.4	1456.1	894.1	513.2	509.9	543.0	560.9	568.8	573.8	579.4	579.4
32.5°	1631.7	1416.3	749.9	465.0	499.8	534.0	544.6	550.8	546.9	532.9	530.1
35°	1644.0	1372.0	613.6	442.6	490.2	527.8	537.9	521.6	479.0	473.4	471.2
37.5°	1668.1	1331.0	498.1	426.8	488.0	531.2	539.6	474.5	438.6	421.2	418.4
40°	1709.1	1290.1	420.7	415.6	490.8	545.8	517.2	452.1	392.6	359.5	353.9
42.5°	1762.9	1240.2	376.9	410.0	498.6	569.3	509.3	420.1	355.1	332.6	329.2
45°	1825.2	1174.0	356.2	408.9	508.2	581.1	511.5	394.3	338.2	320.8	319.7
47.5°	1889.7	1108.9	347.2	407.8	520.0	576.0	480.7	386.5	331.5	326.4	329.8
50°	1959.2	1034.9	339.9	405.0	529.5	576.0	463.9	384.8	333.7	345.0	356.2
52.5°	2024.3	972.6	331.5	396.6	533.4	566.0	458.8	390.9	337.1	334.3	337.7
55°	2103.4	940.6	327.0	384.8	526.1	535.1	452.6	407.8	339.9	316.9	316.9
57.5°	2193.7	933.9	320.3	369.1	502.6	492.5	452.1	417.9	332.6	311.3	307.4
60°	2302.5	948.5	311.9	349.4	474.0	459.4	448.2	417.9	320.8	301.8	303.4
62.5°	2390.6	946.8	306.8	332.1	435.8	425.2	440.9	412.3	316.3	300.6	300.1
65°	2411.3	910.9	292.2	309.6	388.7	383.7	433.0	398.2	310.2	294.5	290.0
67.5°	2341.2	829.6	270.4	279.9	338.8	339.3	419.0	379.7	301.8	291.1	283.8
70°	2142.1	670.8	237.8	244.0	284.9	292.2	398.2	357.9	287.7	276.5	259.1
72.5°	1792.6	482.4	200.2	201.9	226.6	245.7	362.3	328.1	267.0	240.6	222.1
75°	1327.1	320.3	163.2	161.0	170.0	199.7	309.6	295.0	240.1	199.7	190.1
77.5°	701.7	189.6	125.6	126.2	120.6	153.1	245.7	256.3	213.1	168.3	158.7
80°	240.1	113.9	90.3	94.2	85.3	109.4	182.3	213.1	182.3	140.2	124.0
82.5°	109.9	69.6	64.5	67.3	61.1	74.0	125.1	161.5	145.3	102.1	82.5
85°	55.5	41.5	41.5	45.4	40.4	38.1	69.0	107.1	106.6	70.1	60.6
87.5°	23.0	20.2	19.1	21.9	19.1	14.6	19.6	38.7	56.1	42.1	26.9
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)