

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: P672336

Luminaire Tested: **CCP-SA-1F-850-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672336
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-850-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T3R distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

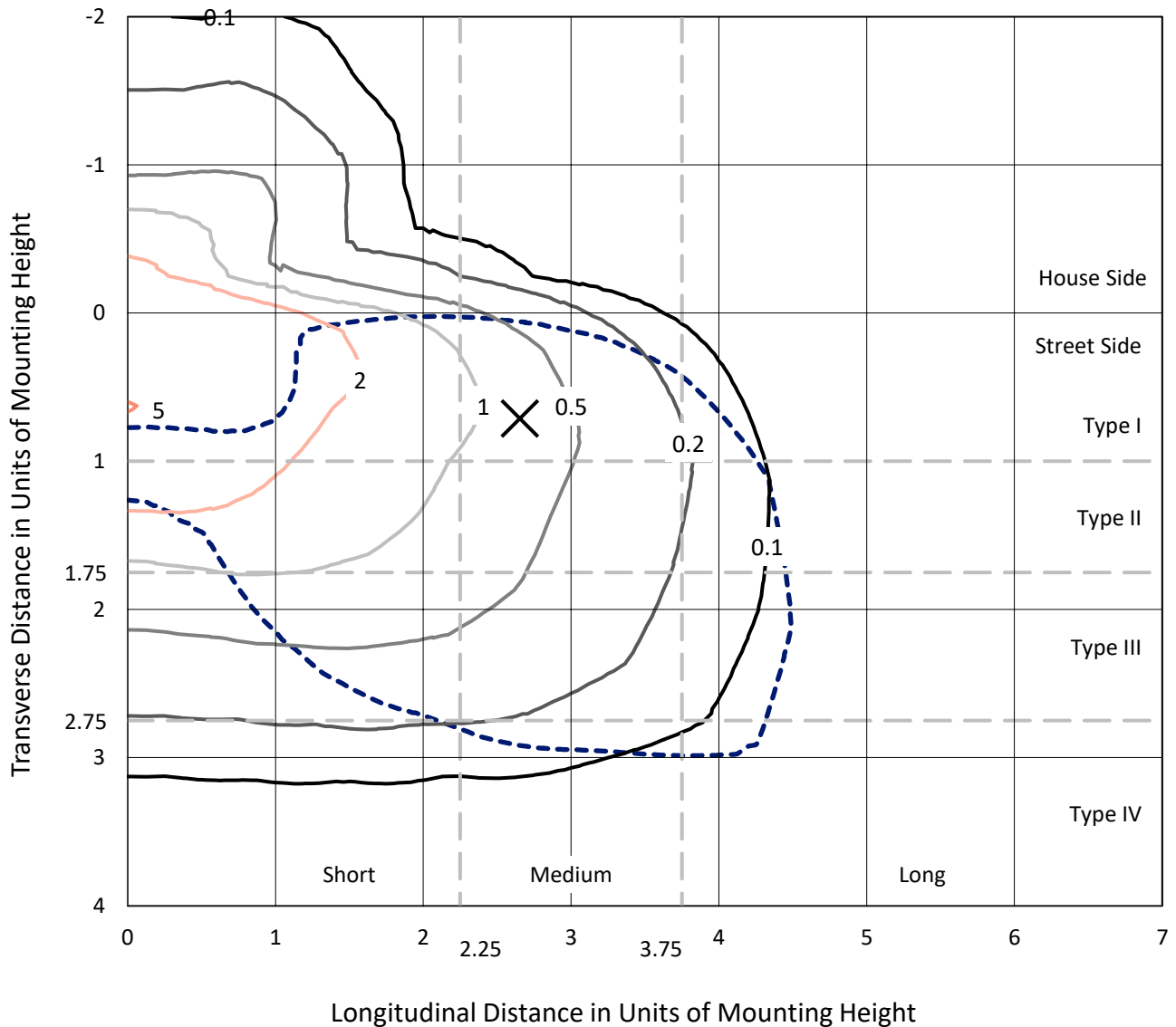
Lumens per Lamp: N/A
Luminaire Lumens: 6649.6 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

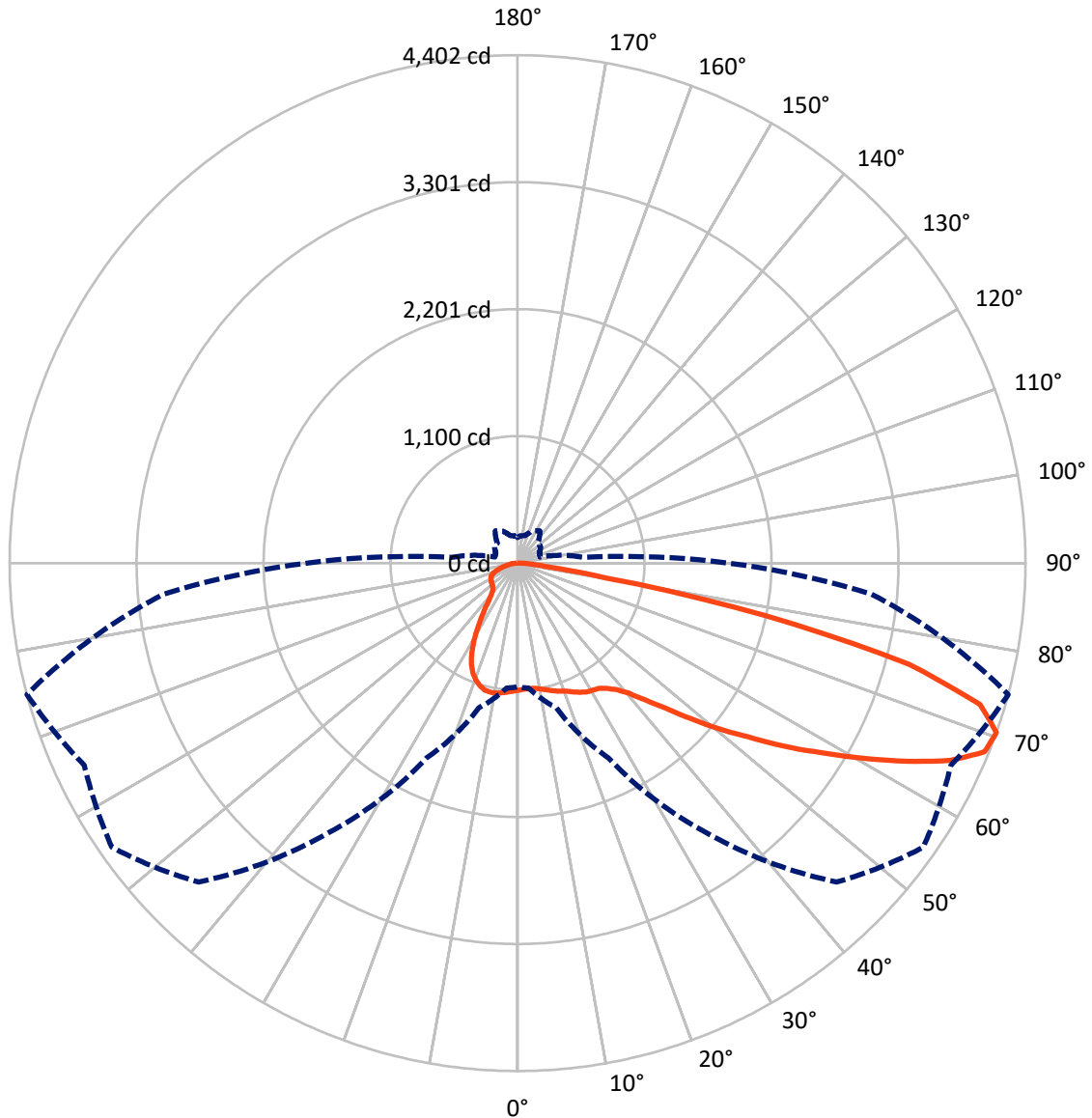
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5 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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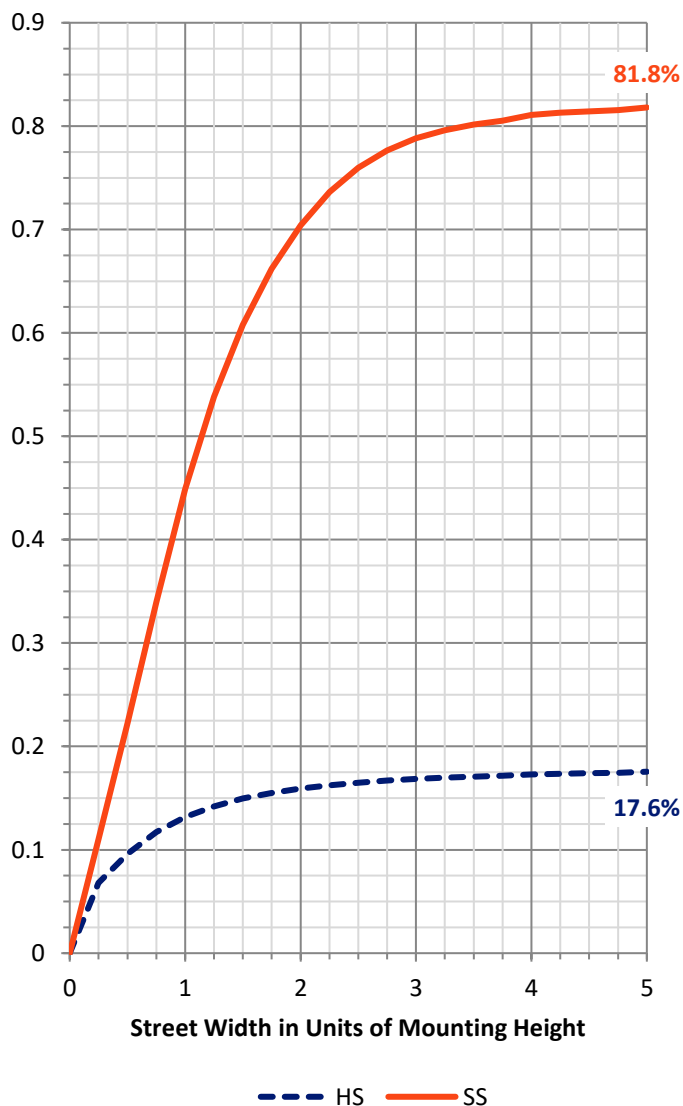
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1183.0	0.0	1183.0
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	5466.6	0.0	5466.6
	% Fixture	82.2	0.0	82.2
Total	Lumens	6649.6	0.0	6649.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	1.5
10°-20°	264.1	4.0
20°-30°	444.9	6.7
30°-40°	675.7	10.2
40°-50°	968.1	14.6
50°-60°	1283.5	19.3
60°-70°	1606.2	24.2
70°-80°	1172.9	17.6
80°-90°	135.2	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°	6649.6	100.0
0°-180°	6649.6	100.0



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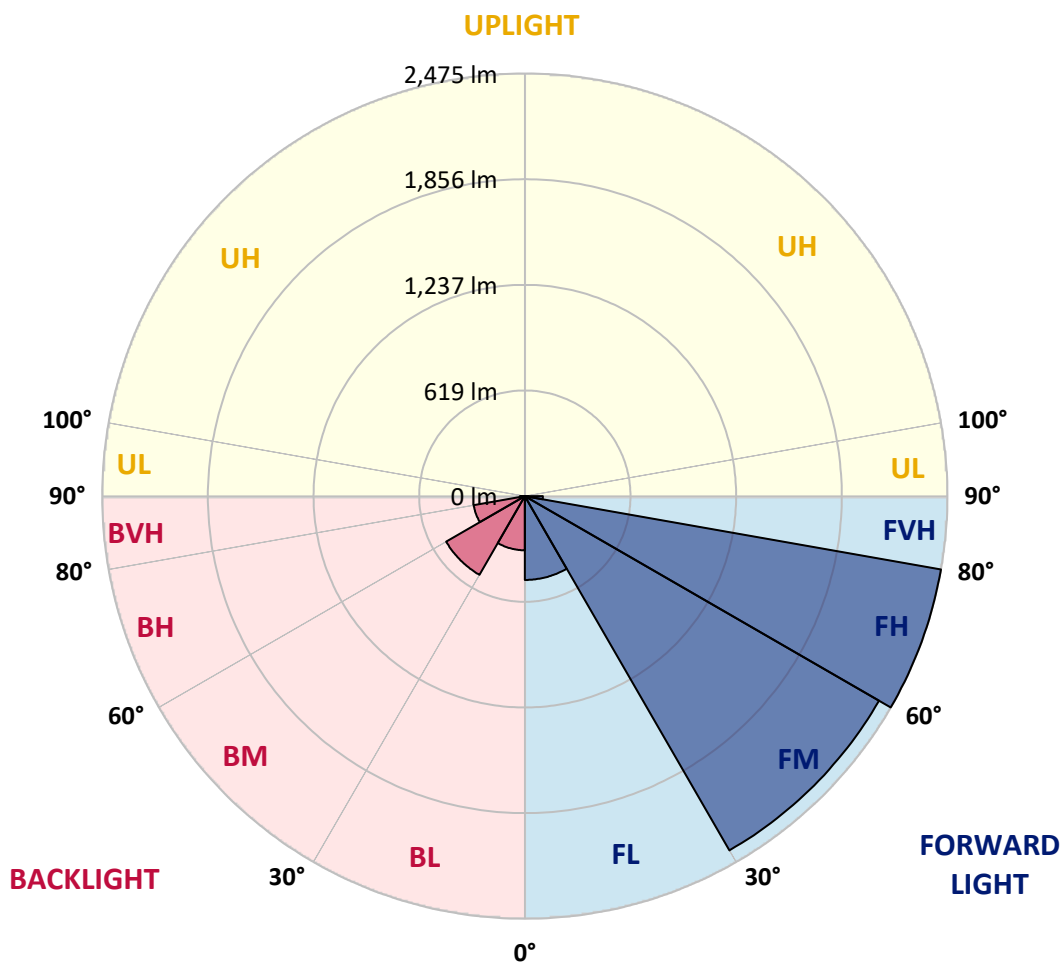
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	490.8	7.4			
FM (30°-60°)	2395.4	36.0			
FH (60°-80°)	2474.8	37.2			G2/5000
FVH (80°-90°)	105.5	1.6			G2/225
BL (0°-30°)	317.1	4.8	B1/500		
BM (30°-60°)	531.9	8.0	B1/1000		
BH (60°-80°)	304.3	4.6	B1/500		G1/500
BVH (80°-90°)	29.7	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°	1101.5	1101.5	1101.5	1101.5	1101.5	1101.5	1101.5	1101.5	1101.5	1101.5	1101.5
2.5°	1041.2	1046.9	1052.2	1057.5	1061.8	1073.2	1075.6	1088.1	1091.4	1094.3	1098.1
5°	982.8	987.1	992.4	1001.0	1010.1	1030.7	1045.0	1072.3	1087.6	1092.4	1105.8
7.5°	951.2	952.7	959.8	967.0	977.5	997.6	1017.3	1059.8	1090.5	1095.7	1124.4
10°	928.3	930.2	936.9	946.9	957.5	976.1	1000.5	1051.2	1101.0	1109.1	1149.8
12.5°	920.1	919.2	926.8	933.5	948.4	971.8	997.2	1051.7	1115.4	1126.8	1186.6
15°	952.7	946.4	951.2	948.8	953.6	976.6	1006.7	1062.2	1133.1	1147.4	1224.9
17.5°	1024.4	1019.2	1015.8	995.3	981.9	994.8	1023.5	1077.1	1151.7	1167.0	1259.4
20°	1131.6	1116.8	1104.3	1069.9	1032.6	1028.3	1048.4	1091.9	1169.4	1184.3	1295.7
22.5°	1253.6	1241.7	1221.6	1161.3	1103.4	1074.7	1079.9	1119.2	1195.3	1211.5	1337.4
25°	1407.7	1407.2	1366.1	1284.7	1197.2	1139.3	1128.3	1162.7	1224.4	1240.2	1371.8
27.5°	1583.3	1571.3	1522.5	1417.8	1307.7	1219.2	1193.3	1207.2	1247.9	1264.2	1399.6
30°	1733.6	1735.0	1685.2	1570.9	1425.4	1297.2	1248.4	1239.3	1263.2	1279.5	1425.4
32.5°	1894.3	1886.2	1840.7	1723.0	1552.7	1380.9	1283.8	1262.2	1279.0	1294.3	1461.3
35°	2045.5	2036.4	1997.2	1870.4	1692.9	1473.3	1331.6	1298.1	1316.3	1333.1	1505.3
37.5°	2189.6	2191.0	2146.5	2025.4	1828.8	1582.4	1402.4	1352.2	1371.8	1390.5	1572.3
40°	2315.4	2308.2	2273.8	2164.7	1969.9	1693.4	1482.3	1425.9	1464.2	1481.4	1657.0
42.5°	2355.6	2355.1	2368.5	2301.5	2118.3	1825.4	1581.9	1540.7	1594.8	1620.6	1760.8
45°	2320.7	2331.2	2408.7	2406.8	2266.6	1977.1	1717.8	1680.4	1758.4	1787.6	1887.6
47.5°	2286.2	2302.0	2407.3	2467.1	2399.6	2144.1	1884.8	1857.0	1969.0	2011.1	2019.2
50°	2236.0	2250.8	2376.2	2475.7	2480.9	2313.0	2101.0	2066.1	2210.1	2253.2	2162.3
52.5°	2180.0	2191.5	2321.1	2469.5	2519.7	2445.1	2313.0	2303.0	2468.5	2503.4	2307.7
55°	1870.9	1919.7	2240.3	2456.1	2546.5	2546.0	2519.2	2552.2	2750.3	2802.5	2469.9
57.5°	1693.4	1719.2	2012.5	2448.4	2596.7	2639.3	2732.2	2803.0	3051.3	3098.2	2648.9
60°	1635.5	1658.4	1898.2	2439.3	2696.7	2785.3	2940.3	3055.1	3374.8	3432.2	2848.9
62.5°	1582.8	1610.6	1851.7	2367.1	2817.8	3016.4	3188.6	3327.9	3715.9	3783.9	3048.0
65°	1475.7	1495.3	1766.6	2306.3	2932.6	3346.1	3547.0	3628.4	4046.6	4123.1	3180.0
67.5°	1290.5	1309.1	1574.7	2166.6	3007.3	3689.1	3938.9	3939.4	4302.1	4364.7	3207.8
70°	1072.8	1087.1	1298.1	1862.3	2851.8	3909.2	4292.5	4142.7	4374.3	4401.6	3075.7
72.5°	767.0	779.5	950.8	1376.6	2338.4	3730.8	4372.9	4134.1	4199.2	4190.6	2700.1
75°	472.7	496.7	582.3	840.2	1453.2	2935.5	3935.5	3746.1	3526.0	3502.0	2033.1
77.5°	308.1	320.6	393.8	495.7	641.2	1685.2	2989.1	2808.7	2226.4	2198.6	1092.9
80°	185.2	205.7	257.9	311.5	290.4	644.5	1706.8	1395.3	786.6	778.0	335.9
82.5°	99.5	118.2	181.8	192.8	163.2	227.8	618.2	453.6	251.7	248.8	125.8
85°	79.0	88.0	130.6	122.0	92.3	115.3	241.2	189.0	129.2	126.3	47.4
87.5°	47.8	60.3	99.0	82.3	45.9	41.6	110.5	89.5	60.8	56.5	18.7
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°	1101.5	1101.5	1101.5	1101.5	1101.5	1101.5	1101.5	1101.5	1101.5	1101.5	1101.5
2.5°	1105.3	1107.7	1110.1	1105.3	1107.2	1104.8	1104.8	1104.8	1098.6	1096.7	1102.4
5°	1115.8	1119.2	1121.1	1106.3	1097.2	1083.8	1072.8	1056.0	1046.4	1040.2	1040.2
7.5°	1137.4	1141.2	1132.6	1099.6	1067.5	1031.6	994.8	964.1	942.1	932.6	935.4
10°	1168.9	1170.4	1141.7	1080.9	1012.5	946.0	893.8	853.1	825.9	812.0	810.1
12.5°	1205.8	1199.6	1143.6	1039.8	938.3	848.8	785.2	732.6	697.6	684.2	677.5
15°	1242.1	1227.3	1136.4	990.5	854.1	746.4	665.1	615.3	593.8	587.6	585.2
17.5°	1274.7	1246.9	1112.5	919.7	756.5	626.8	567.0	549.3	551.7	557.4	559.8
20°	1304.4	1261.8	1078.0	835.4	634.5	533.5	518.7	534.9	548.3	557.0	558.4
22.5°	1336.9	1276.1	1030.2	733.0	534.5	490.4	508.2	526.8	540.2	548.8	550.3
25°	1361.8	1275.6	962.7	611.5	471.3	479.0	500.0	516.8	526.8	533.0	532.6
27.5°	1377.6	1264.2	874.2	511.5	446.4	470.8	490.9	501.9	507.7	512.5	512.0
30°	1382.3	1242.1	762.7	437.8	434.9	463.2	478.5	485.2	489.5	494.3	494.3
32.5°	1391.9	1208.2	639.7	396.7	426.3	455.5	464.6	469.9	466.5	454.6	452.2
35°	1402.4	1170.4	523.5	377.5	418.2	450.3	458.9	445.0	408.6	403.8	401.9
37.5°	1423.0	1135.4	424.9	364.1	416.3	453.1	460.3	404.8	374.2	359.3	357.0
40°	1457.9	1100.5	358.9	354.6	418.7	465.6	441.2	385.7	334.9	306.7	301.9
42.5°	1503.9	1057.9	321.5	349.8	425.4	485.7	434.5	358.4	302.9	283.7	280.9
45°	1557.0	1001.5	303.8	348.8	433.5	495.7	436.4	336.4	288.5	273.7	272.7
47.5°	1612.0	946.0	296.2	347.9	443.6	491.4	410.1	329.7	282.8	278.5	281.3
50°	1671.4	882.8	290.0	345.5	451.7	491.4	395.7	328.2	284.7	294.3	303.8
52.5°	1726.9	829.7	282.8	338.3	455.0	482.8	391.4	333.5	287.6	285.2	288.0
55°	1794.3	802.4	279.0	328.2	448.8	456.5	386.1	347.9	290.0	270.3	270.3
57.5°	1871.4	796.7	273.2	314.8	428.7	420.1	385.7	356.5	283.7	265.6	262.2
60°	1964.2	809.1	266.0	298.1	404.3	391.9	382.3	356.5	273.7	257.4	258.9
62.5°	2039.3	807.7	261.7	283.3	371.8	362.7	376.1	351.7	269.9	256.5	256.0
65°	2057.0	777.1	249.3	264.1	331.6	327.3	369.4	339.7	264.6	251.2	247.4
67.5°	1997.2	707.7	230.6	238.8	289.0	289.5	357.4	323.9	257.4	248.3	242.1
70°	1827.3	572.3	202.9	208.1	243.1	249.3	339.7	305.3	245.5	235.9	221.1
72.5°	1529.2	411.5	170.8	172.3	193.3	209.6	309.1	279.9	227.8	205.3	189.5
75°	1132.1	273.2	139.2	137.3	145.0	170.3	264.1	251.7	204.8	170.3	162.2
77.5°	598.6	161.7	107.2	107.7	102.9	130.6	209.6	218.7	181.8	143.5	135.4
80°	204.8	97.1	77.0	80.4	72.7	93.3	155.5	181.8	155.5	119.6	105.7
82.5°	93.8	59.3	55.0	57.4	52.2	63.2	106.7	137.8	123.9	87.1	70.3
85°	47.4	35.4	35.4	38.8	34.5	32.5	58.9	91.4	90.9	59.8	51.7
87.5°	19.6	17.2	16.3	18.7	16.3	12.4	16.7	33.0	47.8	35.9	23.0
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)