

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: P671032

Luminaire Tested: **CCP-SA-2C-840-U-T4FT**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671032
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-840-U-T4FT
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T4FT distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

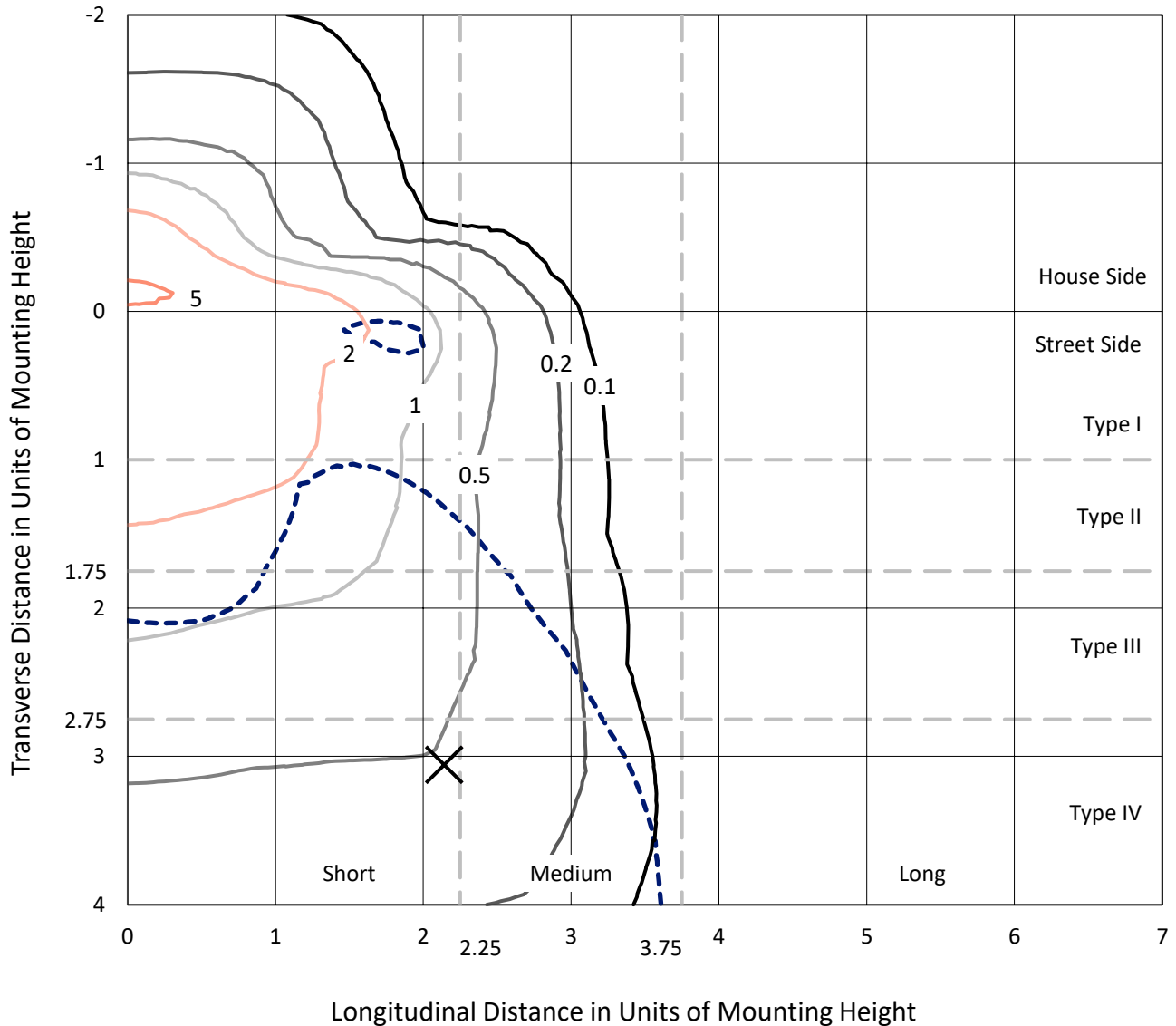
Lumens per Lamp: N/A
Luminaire Lumens: 7704.1 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

Input Watts (W): 62.1
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

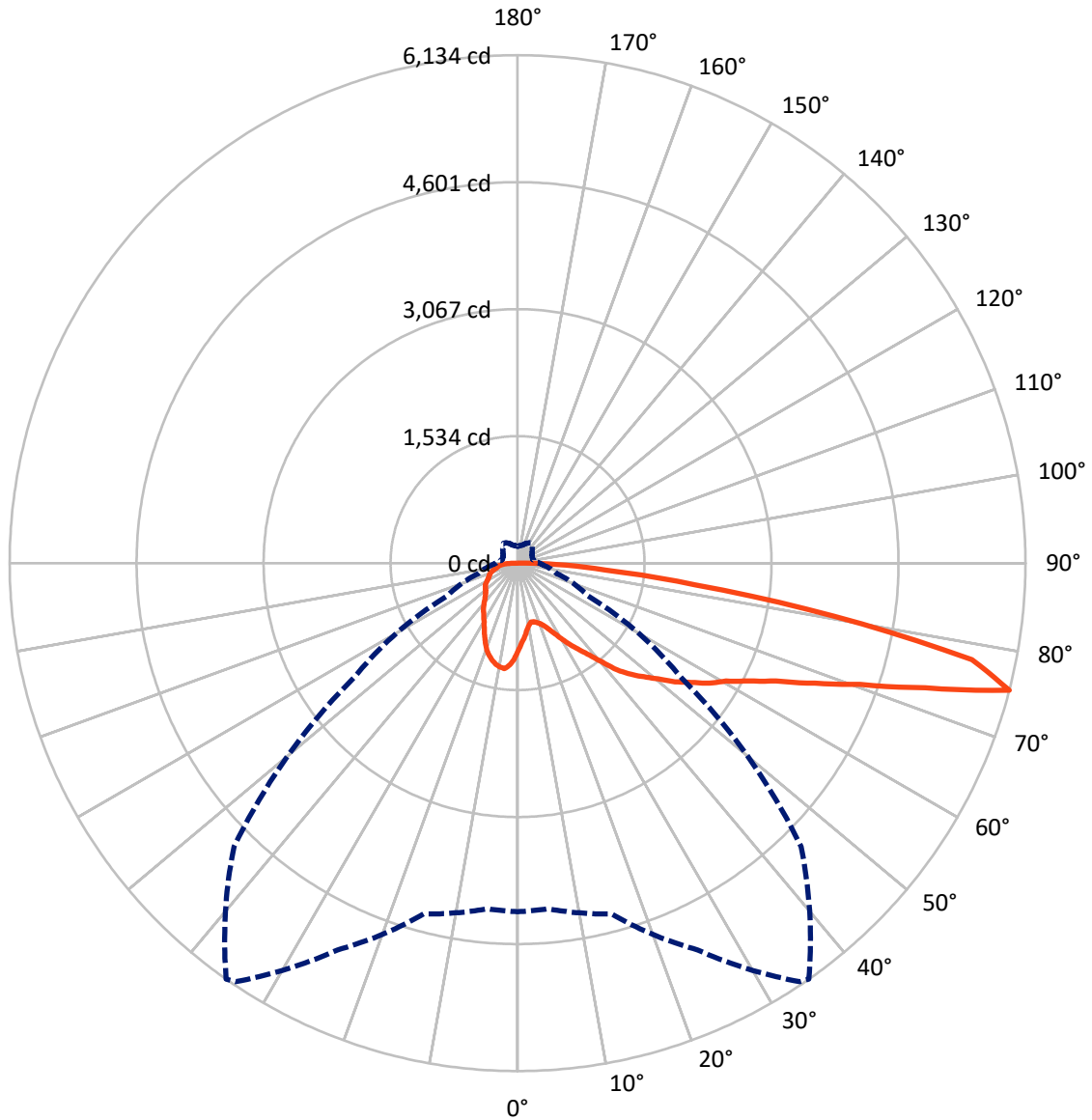
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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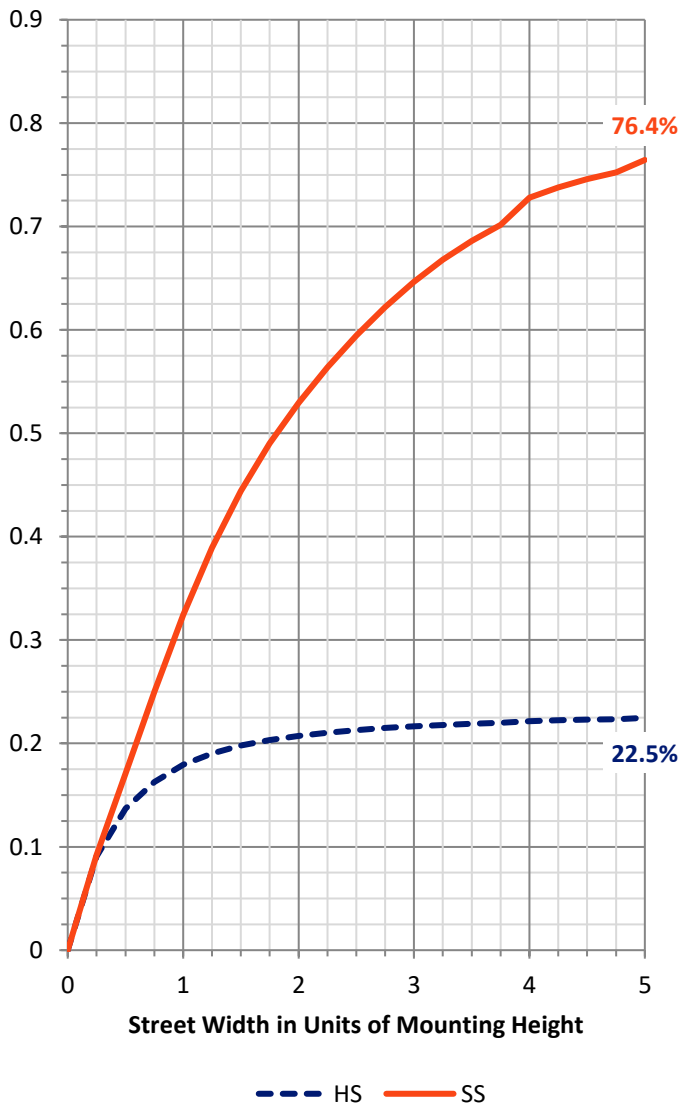
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1770.6	0.0	1770.6
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	5933.5	0.0	5933.5
	% Fixture	77.0	0.0	77.0
Total	Lumens	7704.1	0.0	7704.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.6	1.3
10°-20°	291.9	3.8
20°-30°	484.3	6.3
30°-40°	718.0	9.3
40°-50°	1035.2	13.4
50°-60°	1423.6	18.5
60°-70°	1758.5	22.8
70°-80°	1608.7	20.9
80°-90°	283.2	3.7
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°	7704.1	100.0
0°-180°	7704.1	100.0



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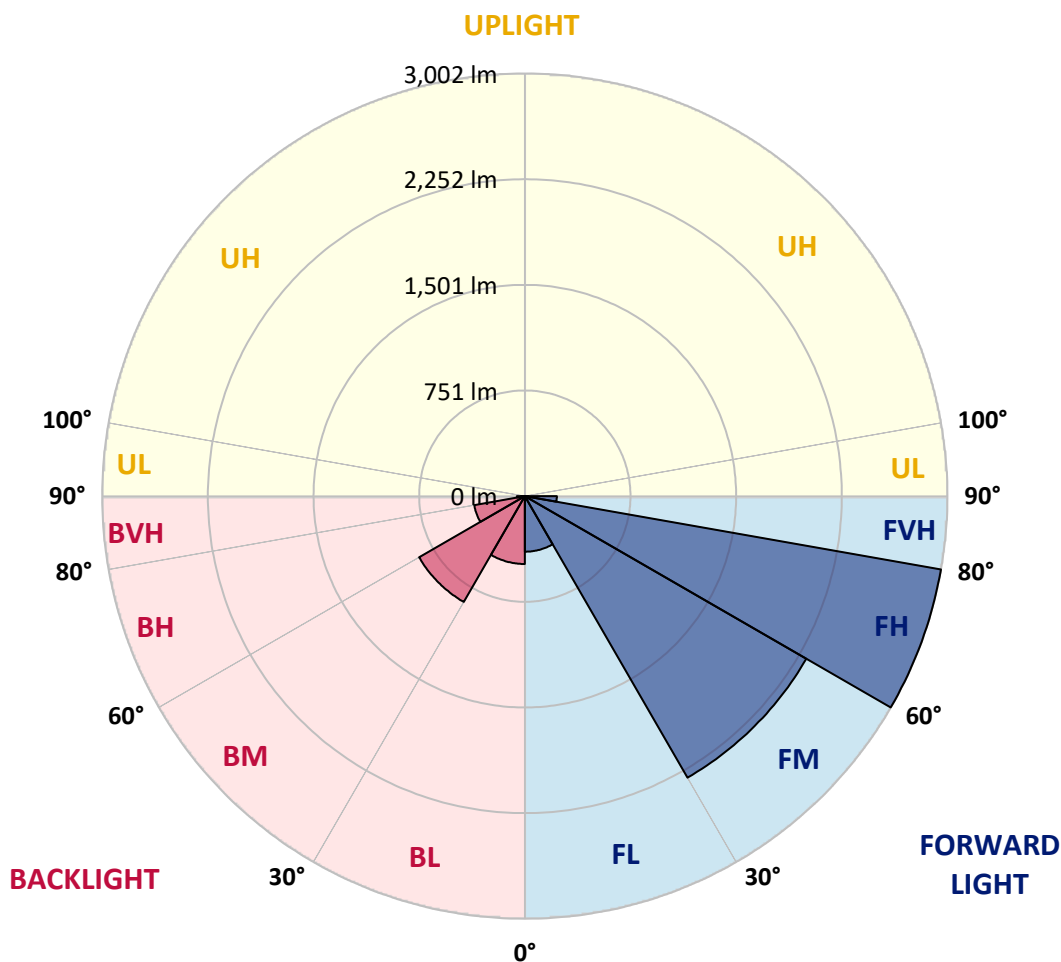
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	394.9	5.1			
FM (30°-60°)	2309.2	30.0			
FH (60°-80°)	3002.1	39.0			G2/5000
FVH (80°-90°)	227.3	3.0			G3/500
BL (0°-30°)	481.9	6.3	B1/500		
BM (30°-60°)	867.6	11.3	B1/1000		
BH (60°-80°)	365.1	4.7	B1/500		G1/500
BVH (80°-90°)	55.9	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1055.5	1055.5	1055.5	1055.5	1055.5	1055.5	1055.5	1055.5	1055.5	1055.5	1055.5
2.5°	956.2	947.7	956.2	961.9	961.9	961.9	970.4	995.9	1012.9	1024.3	1044.1
5°	856.9	859.7	865.4	879.6	888.1	893.8	908.0	939.2	964.7	1001.6	1044.1
7.5°	768.9	774.6	783.1	797.3	817.2	814.3	845.5	888.1	936.3	984.6	1047.0
10°	723.5	734.9	737.7	740.6	760.4	760.4	803.0	851.2	910.8	973.2	1047.0
12.5°	732.0	732.0	723.5	720.7	732.0	729.2	766.1	822.8	888.1	976.1	1058.3
15°	757.6	757.6	740.6	723.5	740.6	734.9	766.1	811.5	888.1	978.9	1081.0
17.5°	791.6	794.5	774.6	746.2	751.9	754.7	777.4	820.0	888.1	984.6	1112.2
20°	859.7	845.5	814.3	768.9	788.8	780.3	814.3	851.2	905.1	1007.3	1157.6
22.5°	919.3	919.3	859.7	820.0	822.8	822.8	854.0	885.3	930.7	1038.5	1191.7
25°	1015.8	1010.1	936.3	876.7	882.4	885.3	902.3	939.2	973.2	1055.5	1234.3
27.5°	1137.8	1123.6	1049.8	981.7	959.0	967.5	976.1	1004.4	1012.9	1083.9	1285.3
30°	1268.3	1248.4	1186.0	1078.2	1066.8	1069.7	1055.5	1072.5	1061.2	1129.3	1336.4
32.5°	1350.6	1350.6	1291.0	1211.6	1180.3	1180.3	1132.1	1143.5	1143.5	1171.8	1427.2
35°	1421.5	1415.8	1376.1	1316.5	1296.7	1285.3	1237.1	1254.1	1225.7	1254.1	1554.9
37.5°	1529.3	1512.3	1495.3	1455.6	1415.8	1407.3	1381.8	1393.1	1353.4	1339.2	1699.6
40°	1654.2	1645.7	1628.6	1611.6	1571.9	1569.1	1540.7	1552.0	1509.5	1455.6	1844.3
42.5°	1838.6	1813.1	1759.2	1745.0	1753.5	1764.8	1753.5	1733.6	1657.0	1588.9	2000.3
45°	2023.0	1983.3	1881.2	1858.5	1923.7	1915.2	1963.5	1954.9	1830.1	1722.3	2164.9
47.5°	2142.2	2108.2	2025.9	2011.7	2040.1	2051.4	2196.1	2170.6	1972.0	1844.3	2323.8
50°	2227.3	2230.2	2122.3	2159.2	2196.1	2196.1	2377.7	2374.9	2145.0	1994.7	2530.9
52.5°	2352.2	2312.5	2267.1	2301.1	2352.2	2380.5	2604.7	2542.3	2252.9	2122.3	2763.6
55°	2417.4	2400.4	2360.7	2420.3	2528.1	2542.3	2780.6	2732.4	2374.9	2272.7	3001.9
57.5°	2443.0	2457.2	2522.4	2548.0	2698.3	2735.2	2939.5	2871.4	2488.4	2460.0	3186.4
60°	2556.5	2536.6	2624.6	2726.7	2871.4	2891.3	3138.1	2990.6	2599.0	2582.0	3245.9
62.5°	2786.3	2735.2	2783.5	2905.5	3106.9	3132.4	3348.1	3149.5	2647.3	2664.3	3243.1
65°	3121.1	3084.2	3013.3	3109.7	3393.5	3430.4	3594.9	3285.7	2633.1	2635.9	3013.3
67.5°	3515.5	3455.9	3382.1	3441.7	3787.9	3873.0	3895.7	3345.3	2533.8	2477.0	2451.5
70°	3861.7	3821.9	3773.7	3875.8	4358.2	4389.4	4270.2	3308.4	2258.5	1989.0	1634.3
72.5°	4185.1	4165.2	4193.6	4576.7	5130.0	5149.8	4622.1	3075.7	1784.7	1205.9	760.4
75°	4210.6	4190.8	4386.6	5155.5	6097.5	6134.4	4840.5	2411.8	942.0	490.9	320.6
77.5°	2851.5	2911.1	3277.2	4514.2	5601.0	5609.5	3958.1	1120.8	388.7	289.4	224.2
80°	700.8	777.4	1234.3	2335.1	3776.5	3870.2	2167.7	377.4	255.4	221.3	167.4
82.5°	255.4	278.1	502.2	1055.5	2122.3	2159.2	757.6	204.3	184.4	170.2	122.0
85°	122.0	124.8	238.3	519.2	1072.5	1061.2	272.4	122.0	133.4	116.3	73.8
87.5°	51.1	51.1	105.0	241.2	473.8	459.7	88.0	56.7	76.6	68.1	36.9
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°	1055.5	1055.5	1055.5	1055.5	1055.5	1055.5	1055.5	1055.5	1055.5	1055.5	1055.5
2.5°	1058.3	1064.0	1086.7	1103.7	1120.8	1134.9	1157.6	1157.6	1171.8	1171.8	1171.8
5°	1055.5	1086.7	1123.6	1163.3	1188.9	1214.4	1237.1	1239.9	1248.4	1259.8	1262.6
7.5°	1066.8	1098.1	1157.6	1214.4	1245.6	1257.0	1285.3	1276.8	1276.8	1276.8	1285.3
10°	1089.5	1123.6	1205.9	1257.0	1279.7	1282.5	1274.0	1268.3	1251.3	1245.6	1237.1
12.5°	1106.6	1166.2	1248.4	1288.2	1279.7	1271.1	1251.3	1222.9	1203.0	1197.4	1197.4
15°	1149.1	1208.7	1285.3	1299.5	1285.3	1239.9	1214.4	1183.2	1166.2	1140.6	1152.0
17.5°	1186.0	1254.1	1322.2	1305.2	1276.8	1205.9	1169.0	1123.6	1100.9	1072.5	1072.5
20°	1234.3	1296.7	1356.3	1310.9	1248.4	1171.8	1112.2	1055.5	1024.3	995.9	1001.6
22.5°	1288.2	1344.9	1376.1	1288.2	1205.9	1117.9	1035.6	981.7	942.0	925.0	930.7
25°	1330.7	1393.1	1387.5	1251.3	1154.8	1049.8	959.0	908.0	899.4	882.4	882.4
27.5°	1384.6	1449.9	1379.0	1205.9	1069.7	942.0	885.3	865.4	865.4	856.9	862.6
30°	1455.6	1501.0	1359.1	1140.6	961.9	845.5	817.2	828.5	848.4	839.9	842.7
32.5°	1571.9	1566.2	1342.1	1066.8	848.4	751.9	771.8	794.5	811.5	820.0	825.7
35°	1685.4	1648.5	1322.2	967.5	743.4	706.5	723.5	749.1	780.3	788.8	791.6
37.5°	1798.9	1733.6	1288.2	845.5	678.1	666.8	683.8	698.0	723.5	729.2	734.9
40°	1918.1	1790.4	1228.6	726.4	624.2	624.2	635.6	638.4	652.6	661.1	666.8
42.5°	2023.0	1844.3	1120.8	615.7	567.5	587.3	590.2	584.5	573.1	578.8	581.7
45°	2150.7	1903.9	995.9	536.3	524.9	550.4	556.1	533.4	513.6	502.2	496.5
47.5°	2275.6	1966.3	888.1	471.0	485.2	524.9	524.9	499.4	465.3	437.0	425.6
50°	2389.1	2028.7	800.1	431.3	445.5	505.1	510.7	462.5	425.6	391.6	385.9
52.5°	2579.2	2133.7	709.3	400.1	422.8	490.9	488.0	445.5	397.2	360.3	357.5
55°	2746.6	2238.7	590.2	368.9	400.1	471.0	479.5	428.4	363.2	329.1	323.5
57.5°	2868.6	2264.2	471.0	337.6	377.4	448.3	459.7	394.4	340.5	312.1	309.3
60°	2891.3	2164.9	383.0	312.1	346.2	417.1	425.6	374.5	323.5	300.8	295.1
62.5°	2786.3	1974.8	326.3	289.4	320.6	385.9	402.9	351.8	306.4	286.6	283.7
65°	2548.0	1696.7	286.6	269.5	303.6	363.2	383.0	334.8	292.2	275.2	272.4
67.5°	2017.4	1302.3	255.4	255.4	280.9	340.5	368.9	323.5	278.1	266.7	263.9
70°	1319.4	783.1	232.7	235.5	263.9	320.6	351.8	309.3	261.0	258.2	252.5
72.5°	567.5	360.3	207.1	215.6	238.3	286.6	326.3	289.4	241.2	232.7	224.2
75°	261.0	218.5	187.3	192.9	212.8	252.5	295.1	266.7	224.2	210.0	201.5
77.5°	184.4	158.9	156.1	167.4	181.6	218.5	261.0	249.7	207.1	195.8	190.1
80°	136.2	122.0	130.5	141.9	150.4	201.5	246.9	229.8	190.1	173.1	164.6
82.5°	96.5	90.8	102.1	113.5	122.0	175.9	227.0	201.5	158.9	144.7	130.5
85°	56.7	59.6	70.9	76.6	85.1	130.5	190.1	161.7	122.0	93.6	90.8
87.5°	25.5	25.5	34.0	36.9	42.6	76.6	127.7	102.1	76.6	59.6	56.7
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)