

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: P672248

Luminaire Tested: **CCP-SA-1F-735-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672248
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-735-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T3R distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7516 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

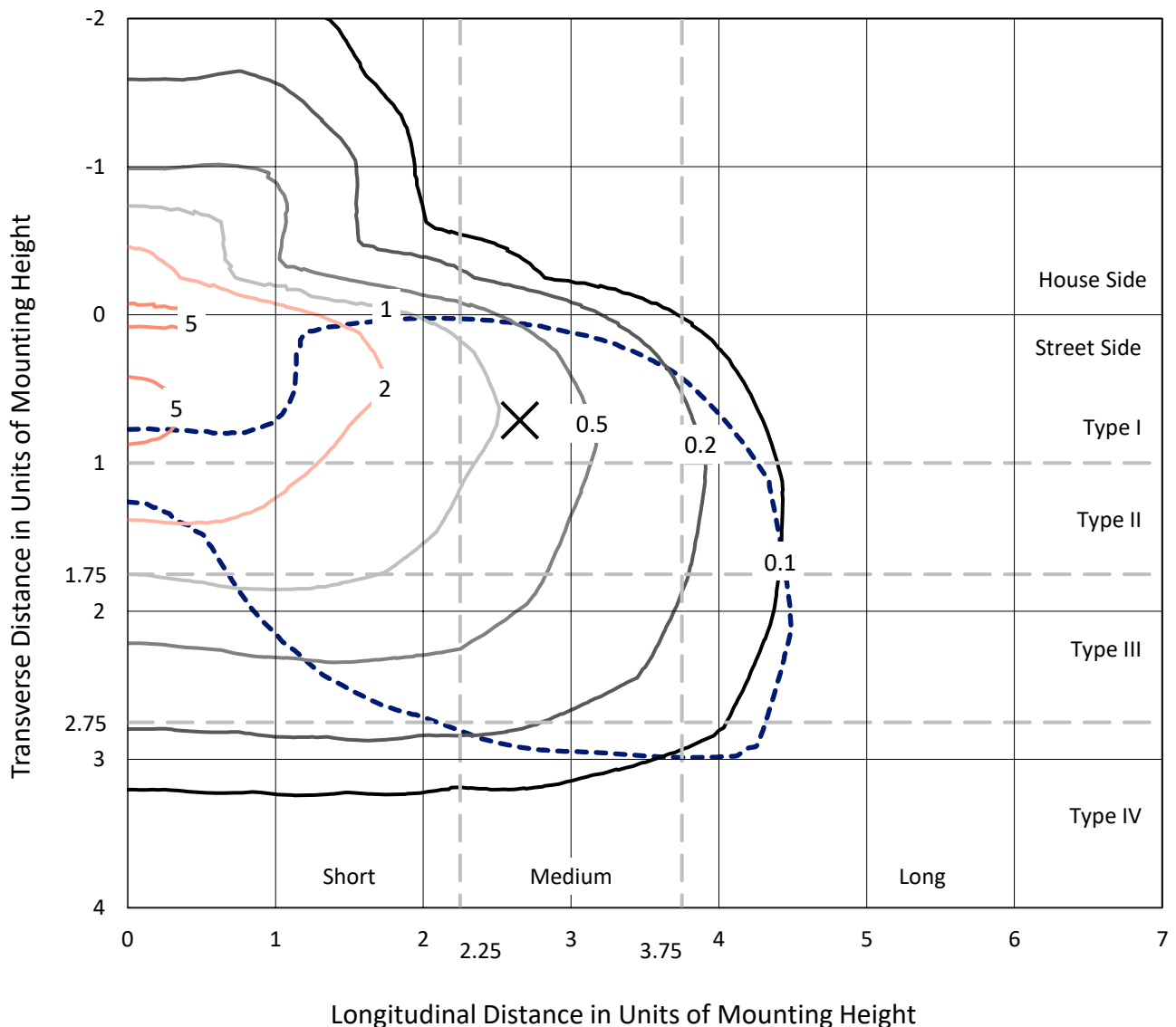
Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

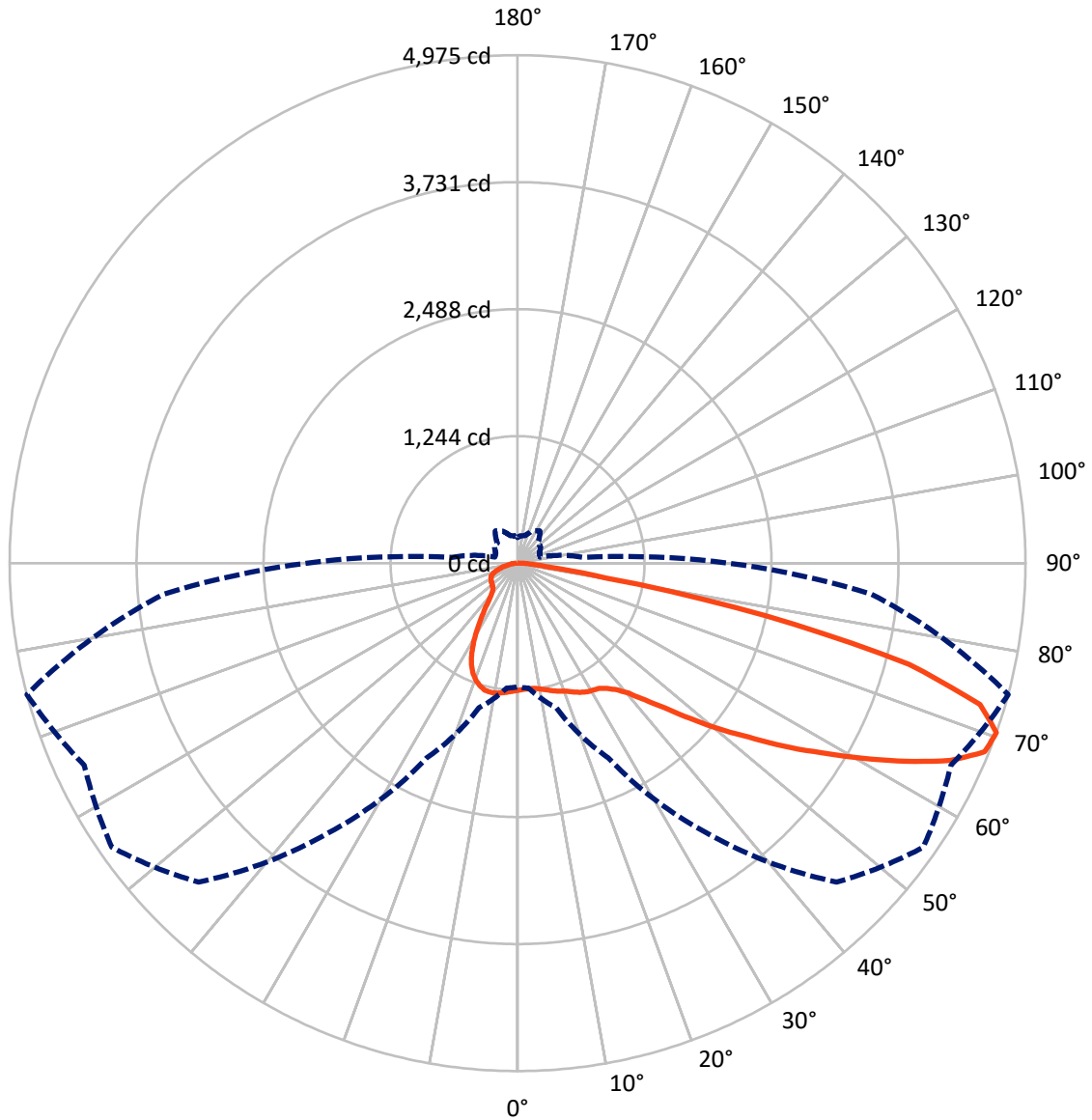
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.7 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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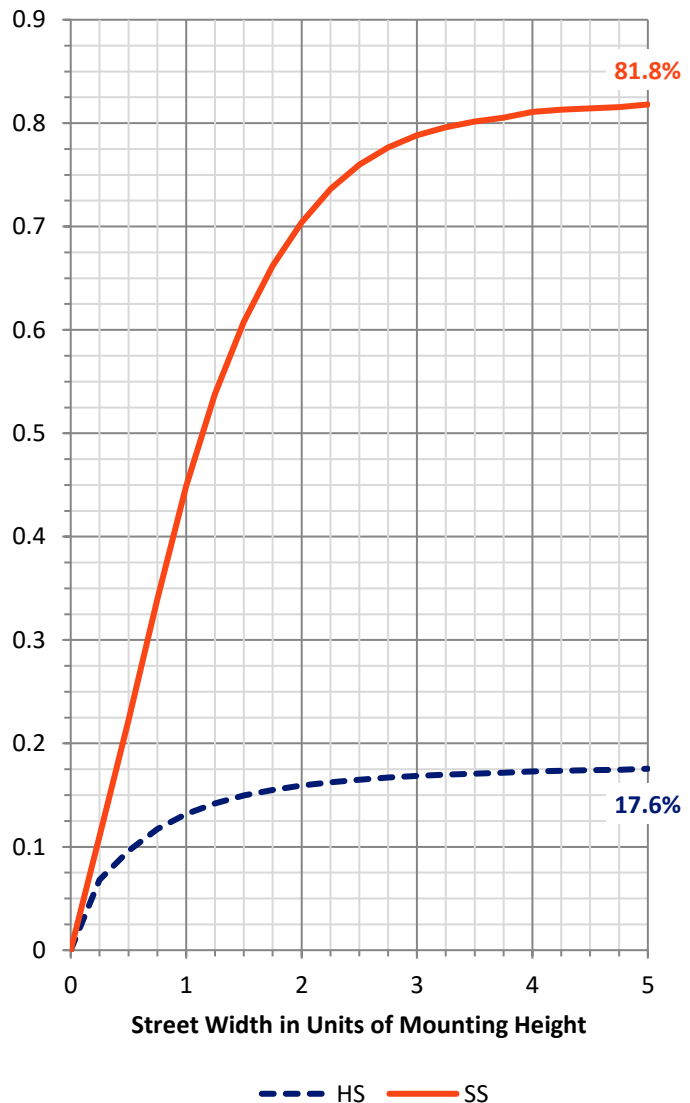
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1337.2	0.0	1337.2
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	6178.9	0.0	6178.9
	% Fixture	82.2	0.0	82.2
Total	Lumens	7516.0	0.0	7516.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.8	1.5
10°-20°	298.5	4.0
20°-30°	502.9	6.7
30°-40°	763.8	10.2
40°-50°	1094.2	14.6
50°-60°	1450.7	19.3
60°-70°	1815.5	24.2
70°-80°	1325.8	17.6
80°-90°	152.9	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°	7516.0	100.0
0°-180°	7516.0	100.0



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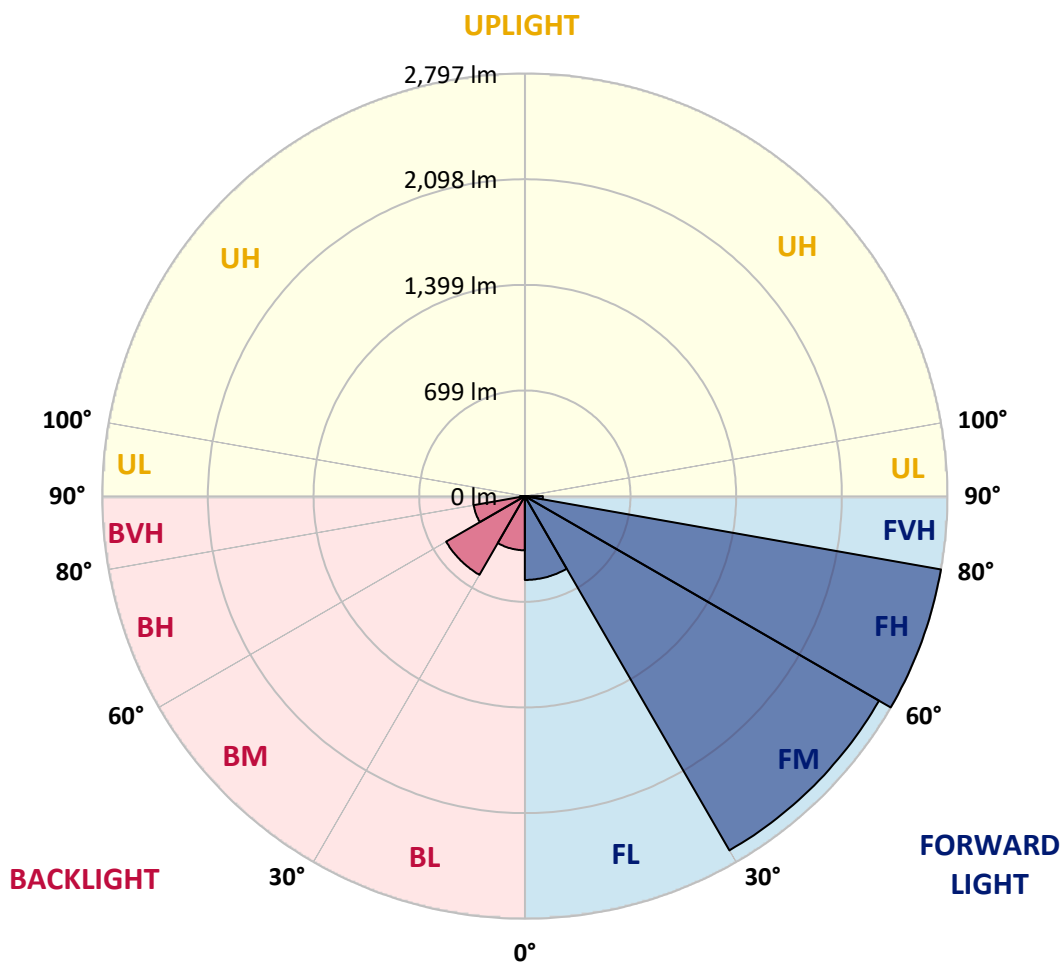
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	554.7	7.4			
FM (30°-60°)	2707.5	36.0			
FH (60°-80°)	2797.3	37.2			G2/5000
FVH (80°-90°)	119.3	1.6			G2/225
BL (0°-30°)	358.4	4.8	B1/500		
BM (30°-60°)	601.2	8.0	B1/1000		
BH (60°-80°)	344.0	4.6	B1/500		G1/500
BVH (80°-90°)	33.6	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°	1245.0	1245.0	1245.0	1245.0	1245.0	1245.0	1245.0	1245.0	1245.0	1245.0	1245.0
2.5°	1176.9	1183.3	1189.3	1195.2	1200.1	1213.1	1215.8	1229.9	1233.6	1236.9	1241.2
5°	1110.9	1115.7	1121.7	1131.4	1141.7	1165.0	1181.2	1212.0	1229.3	1234.7	1249.9
7.5°	1075.2	1076.8	1084.9	1093.0	1104.9	1127.6	1149.8	1197.9	1232.6	1238.5	1271.0
10°	1049.2	1051.4	1059.0	1070.3	1082.2	1103.3	1130.9	1188.2	1244.5	1253.7	1299.6
12.5°	1040.0	1038.9	1047.6	1055.2	1071.9	1098.4	1127.1	1188.8	1260.7	1273.7	1341.3
15°	1076.8	1069.8	1075.2	1072.5	1077.9	1103.8	1137.9	1200.6	1280.7	1296.9	1384.5
17.5°	1157.9	1152.0	1148.2	1124.9	1109.8	1124.4	1156.8	1217.4	1301.8	1319.1	1423.5
20°	1279.1	1262.3	1248.2	1209.3	1167.1	1162.2	1185.0	1234.2	1321.8	1338.6	1464.6
22.5°	1417.0	1403.5	1380.7	1312.6	1247.2	1214.7	1220.7	1265.0	1351.0	1369.4	1511.6
25°	1591.1	1590.6	1544.1	1452.1	1353.2	1287.7	1275.3	1314.2	1384.0	1401.8	1550.6
27.5°	1789.6	1776.1	1720.9	1602.5	1478.1	1378.0	1348.8	1364.5	1410.5	1428.9	1581.9
30°	1959.4	1961.1	1904.8	1775.6	1611.1	1466.2	1411.0	1400.8	1427.8	1446.2	1611.1
32.5°	2141.2	2132.0	2080.6	1947.5	1755.0	1560.8	1451.1	1426.7	1445.6	1463.0	1651.7
35°	2312.1	2301.8	2257.4	2114.1	1913.5	1665.2	1505.1	1467.3	1487.8	1506.8	1701.5
37.5°	2474.9	2476.5	2426.2	2289.3	2067.1	1788.5	1585.2	1528.4	1550.6	1571.7	1777.2
40°	2617.1	2609.0	2570.0	2446.7	2226.6	1914.0	1675.5	1611.7	1654.9	1674.4	1872.9
42.5°	2662.5	2662.0	2677.1	2601.4	2394.3	2063.3	1788.0	1741.5	1802.6	1831.8	1990.3
45°	2623.0	2634.9	2722.6	2720.4	2561.9	2234.7	1941.6	1899.4	1987.6	2020.6	2133.6
47.5°	2584.1	2601.9	2720.9	2788.5	2712.3	2423.5	2130.3	2099.0	2225.5	2273.1	2282.3
50°	2527.3	2544.1	2685.8	2798.3	2804.2	2614.4	2374.8	2335.3	2498.1	2546.8	2444.0
52.5°	2464.0	2477.0	2623.6	2791.2	2848.0	2763.7	2614.4	2603.0	2790.2	2829.6	2608.4
55°	2114.7	2169.8	2532.2	2776.1	2878.3	2877.8	2847.5	2884.8	3108.7	3167.7	2791.8
57.5°	1914.0	1943.2	2274.7	2767.4	2935.1	2983.2	3088.2	3168.2	3448.9	3501.9	2994.1
60°	1848.6	1874.5	2145.5	2757.2	3048.1	3148.2	3323.4	3453.2	3814.5	3879.4	3220.1
62.5°	1789.1	1820.4	2093.0	2675.5	3185.0	3409.4	3604.1	3761.5	4200.1	4276.9	3445.1
65°	1667.9	1690.1	1996.8	2606.8	3314.8	3782.0	4009.2	4101.1	4573.8	4660.4	3594.4
67.5°	1458.6	1479.7	1779.9	2448.9	3399.1	4169.8	4452.1	4452.7	4862.6	4933.5	3625.7
70°	1212.5	1228.8	1467.3	2104.9	3223.4	4418.6	4851.8	4682.5	4944.3	4975.1	3476.5
72.5°	867.0	881.0	1074.6	1556.0	2643.1	4216.9	4942.7	4672.8	4746.3	4736.6	3051.9
75°	534.3	561.4	658.2	949.7	1642.5	3318.0	4448.4	4234.2	3985.4	3958.4	2298.0
77.5°	348.3	362.4	445.1	560.3	724.7	1904.8	3378.6	3174.7	2516.5	2485.1	1235.3
80°	209.3	232.6	291.5	352.1	328.3	728.5	1929.2	1577.1	889.1	879.4	379.7
82.5°	112.5	133.6	205.5	218.0	184.4	257.4	698.8	512.7	284.5	281.2	142.2
85°	89.2	99.5	147.6	137.9	104.4	130.3	272.6	213.6	146.0	142.8	53.5
87.5°	54.1	68.1	112.0	93.0	51.9	47.1	124.9	101.1	68.7	63.8	21.1
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°	1245.0	1245.0	1245.0	1245.0	1245.0	1245.0	1245.0	1245.0	1245.0	1245.0	1245.0
2.5°	1249.3	1252.0	1254.7	1249.3	1251.5	1248.8	1248.8	1248.8	1241.8	1239.6	1246.1
5°	1261.2	1265.0	1267.2	1250.4	1240.1	1225.0	1212.5	1193.6	1182.8	1175.8	1175.8
7.5°	1285.6	1289.9	1280.2	1242.8	1206.6	1166.0	1124.4	1089.8	1064.9	1054.1	1057.3
10°	1321.3	1322.9	1290.4	1221.7	1144.4	1069.2	1010.3	964.3	933.5	917.8	915.6
12.5°	1362.9	1355.9	1292.6	1175.2	1060.6	959.4	887.5	828.0	788.5	773.4	765.8
15°	1404.0	1387.2	1284.5	1119.5	965.4	843.7	751.8	695.5	671.2	664.1	661.4
17.5°	1440.8	1409.4	1257.4	1039.5	855.1	708.5	640.9	620.9	623.6	630.1	632.8
20°	1474.3	1426.2	1218.5	944.3	717.1	603.0	586.3	604.7	619.8	629.5	631.2
22.5°	1511.1	1442.4	1164.4	828.6	604.1	554.4	574.4	595.5	610.6	620.3	622.0
25°	1539.2	1441.9	1088.2	691.2	532.7	541.4	565.2	584.1	595.5	602.5	601.9
27.5°	1557.1	1428.9	988.1	578.2	504.6	532.2	554.9	567.3	573.8	579.2	578.7
30°	1562.5	1404.0	862.1	494.9	491.6	523.5	540.8	548.4	553.3	558.7	558.7
32.5°	1573.3	1365.6	723.1	448.4	481.9	514.9	525.1	531.1	527.3	513.8	511.1
35°	1585.2	1322.9	591.7	426.7	472.7	508.9	518.7	503.0	461.9	456.5	454.3
37.5°	1608.4	1283.4	480.3	411.6	470.5	512.2	520.3	457.5	422.9	406.2	403.5
40°	1647.9	1243.9	405.6	400.8	473.2	526.2	498.6	435.9	378.6	346.7	341.3
42.5°	1699.8	1195.8	363.4	395.3	480.8	548.9	491.1	405.1	342.3	320.7	317.5
45°	1759.9	1132.0	343.4	394.3	490.0	560.3	493.2	380.2	326.1	309.4	308.3
47.5°	1822.1	1069.2	334.8	393.2	501.4	555.4	463.5	372.6	319.6	314.8	318.0
50°	1889.1	997.8	327.7	390.5	510.5	555.4	447.3	371.0	321.8	332.6	343.4
52.5°	1951.9	937.8	319.6	382.4	514.3	545.7	442.4	377.0	325.0	322.3	325.6
55°	2028.1	907.0	315.3	371.0	507.3	516.0	436.5	393.2	327.7	305.6	305.6
57.5°	2115.2	900.5	308.8	355.9	484.6	474.9	435.9	402.9	320.7	300.2	296.4
60°	2220.1	914.5	300.7	336.9	457.0	442.9	432.1	402.9	309.4	291.0	292.6
62.5°	2305.0	912.9	295.8	320.2	420.2	410.0	425.1	397.5	305.0	289.9	289.3
65°	2325.0	878.3	281.8	298.5	374.8	369.9	417.5	384.0	299.1	283.9	279.6
67.5°	2257.4	799.9	260.7	269.9	326.7	327.2	404.0	366.1	291.0	280.7	273.7
70°	2065.4	646.8	229.3	235.3	274.7	281.8	384.0	345.1	277.4	266.6	249.9
72.5°	1728.5	465.1	193.1	194.7	218.5	236.9	349.4	316.4	257.4	232.0	214.2
75°	1279.6	308.8	157.4	155.2	163.9	192.5	298.5	284.5	231.5	192.5	183.3
77.5°	676.6	182.8	121.1	121.7	116.3	147.6	236.9	247.2	205.5	162.2	153.1
80°	231.5	109.8	87.1	90.9	82.2	105.5	175.8	205.5	175.8	135.2	119.5
82.5°	106.0	67.1	62.2	64.9	59.0	71.4	120.6	155.8	140.1	98.4	79.5
85°	53.5	40.0	40.0	43.8	38.9	36.8	66.5	103.3	102.8	67.6	58.4
87.5°	22.2	19.5	18.4	21.1	18.4	14.1	18.9	37.3	54.1	40.6	26.0
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)