

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: P672324

Luminaire Tested: **CCP-SA-1E-840-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672324
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-840-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3R distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

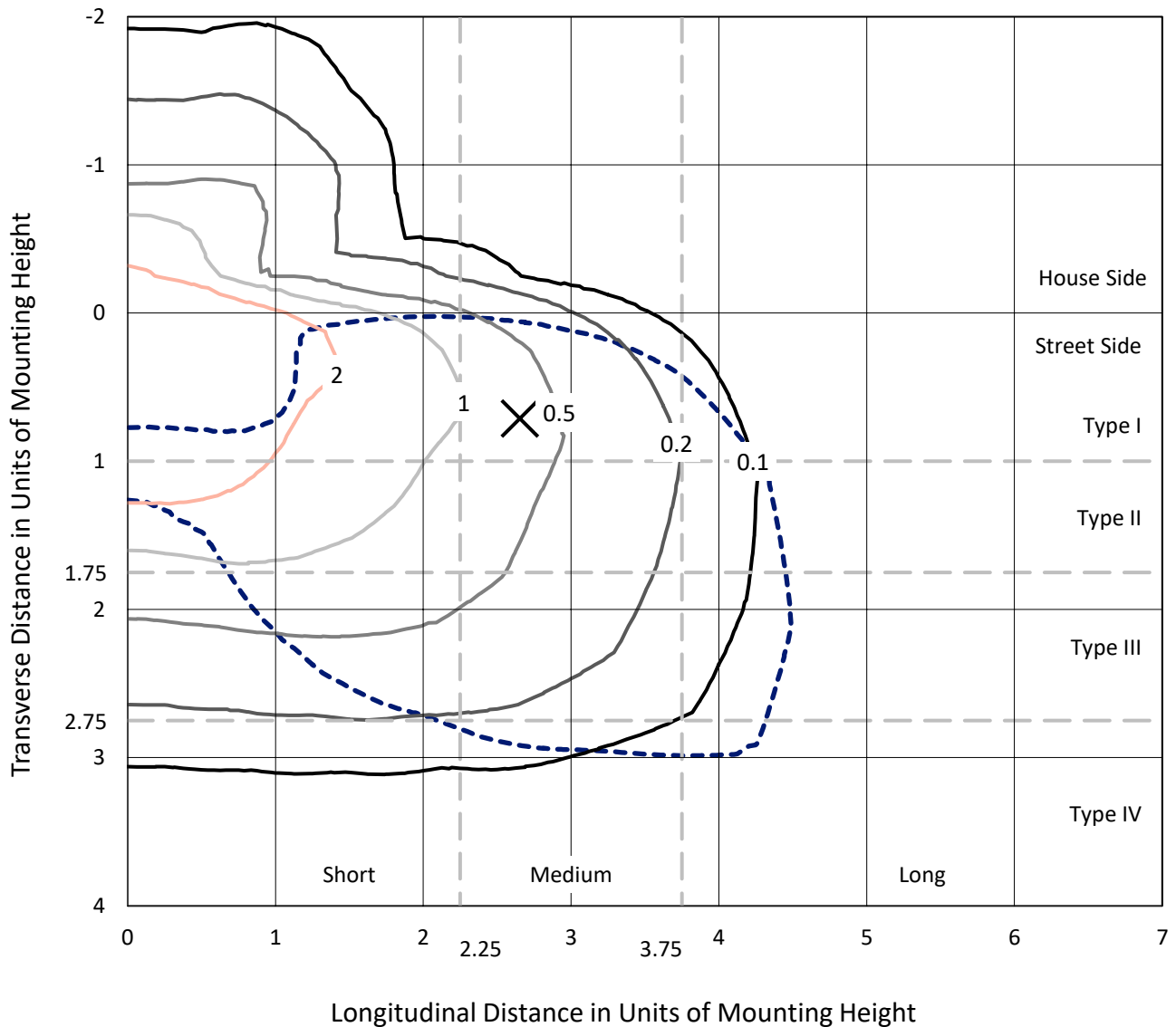
Lumens per Lamp: N/A
Luminaire Lumens: 5924.7 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (A_{in}): 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

REPORT NUMBER: P672324
 CATALOG NUMBER: CCP-SA-1E-840-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

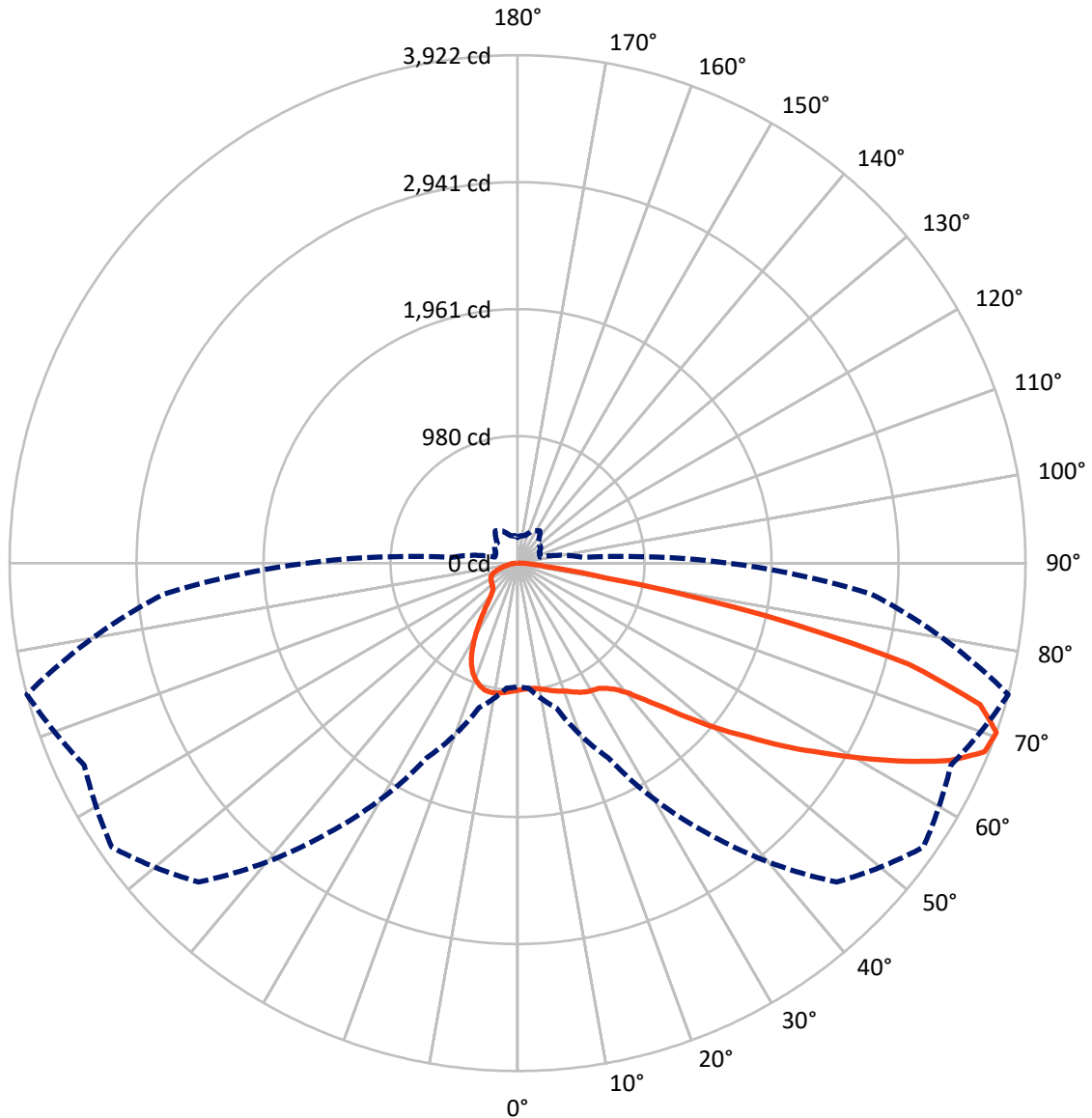
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Medium - N/A

REPORT NUMBER: P672324
CATALOG NUMBER: CCP-SA-1E-840-U-T3R

Luminous Intensity Polar Plot



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

REPORT NUMBER: P672324

CATALOG NUMBER: CCP-SA-1E-840-U-T3R

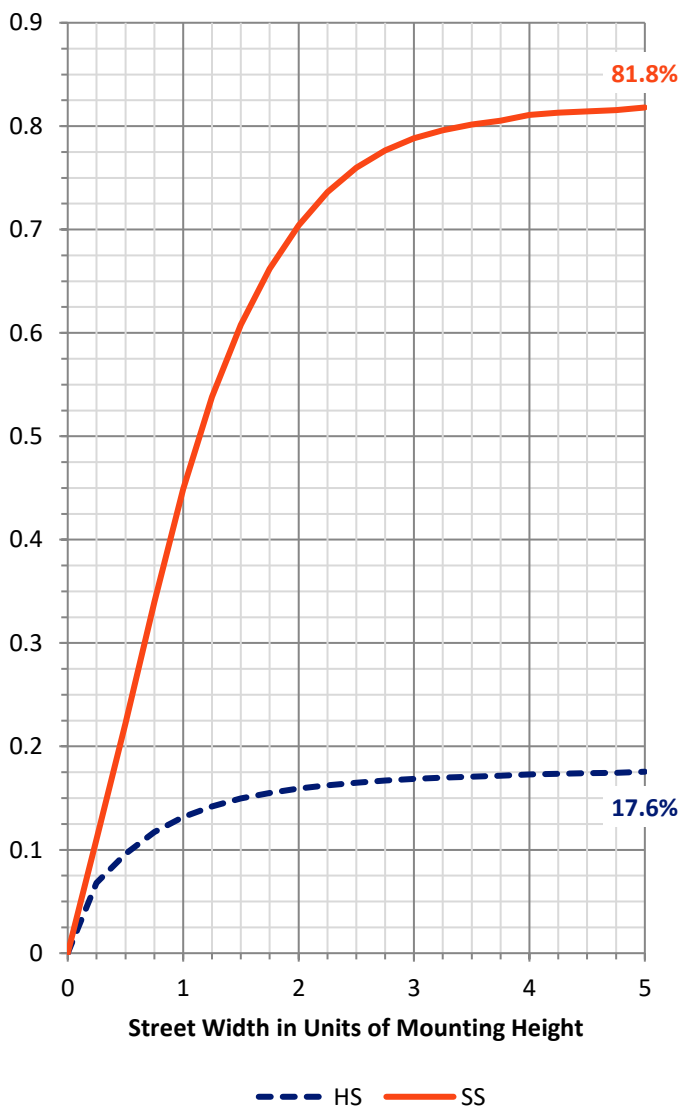
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1054.1	0.0	1054.1
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	4870.6	0.0	4870.6
	% Fixture	82.2	0.0	82.2
Total	Lumens	5924.7	0.0	5924.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.1	1.5
10°-20°	235.3	4.0
20°-30°	396.4	6.7
30°-40°	602.1	10.2
40°-50°	862.6	14.6
50°-60°	1143.6	19.3
60°-70°	1431.1	24.2
70°-80°	1045.1	17.6
80°-90°	120.5	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°	5924.7	100.0
0°-180°	5924.7	100.0



REPORT NUMBER: P672324

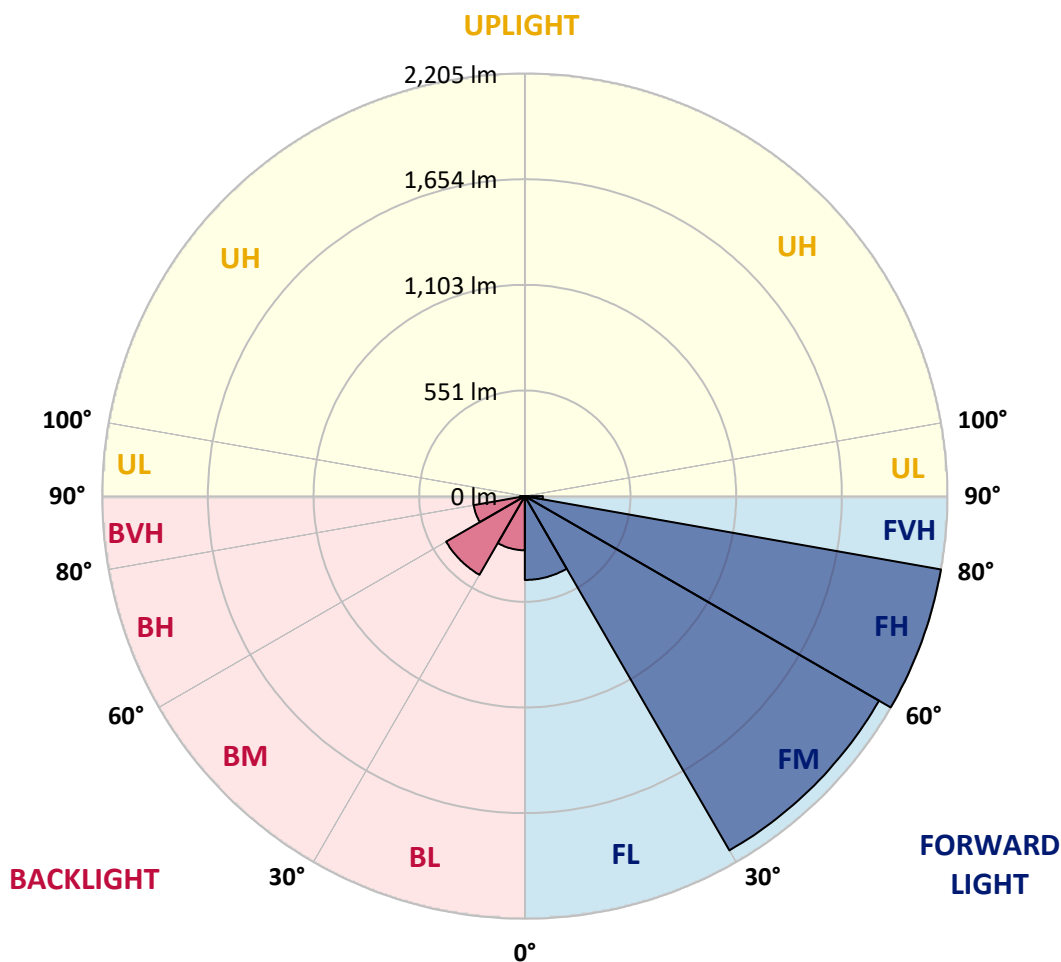
CATALOG NUMBER: CCP-SA-1E-840-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	437.3	7.4			
FM (30°-60°)	2134.3	36.0			
FH (60°-80°)	2205.0	37.2			G2/5000
FVH (80°-90°)	94.0	1.6			G1/100
BL (0°-30°)	282.5	4.8	B1/500		
BM (30°-60°)	473.9	8.0	B1/1000		
BH (60°-80°)	271.1	4.6	B1/500		G1/500
BVH (80°-90°)	26.5	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





REPORT NUMBER: P672324

CATALOG NUMBER: CCP-SA-1E-840-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	981.4	981.4	981.4	981.4	981.4	981.4	981.4	981.4	981.4	981.4	981.4
2.5°	927.7	932.8	937.5	942.2	946.0	956.2	958.4	969.5	972.4	975.0	978.4
5°	875.7	879.5	884.2	891.9	900.0	918.3	931.1	955.4	969.0	973.3	985.2
7.5°	847.5	848.8	855.2	861.6	871.0	888.9	906.4	944.3	971.6	976.3	1001.9
10°	827.1	828.8	834.7	843.7	853.1	869.7	891.4	936.6	981.0	988.2	1024.5
12.5°	819.8	819.0	825.8	831.8	845.0	865.9	888.5	937.1	993.8	1004.0	1057.3
15°	848.8	843.3	847.5	845.4	849.7	870.1	897.0	946.4	1009.5	1022.3	1091.4
17.5°	912.8	908.1	905.1	886.8	874.8	886.3	911.9	959.7	1026.2	1039.8	1122.1
20°	1008.3	995.0	984.0	953.3	920.0	916.2	934.1	972.9	1041.9	1055.2	1154.5
22.5°	1117.0	1106.3	1088.4	1034.7	983.1	957.5	962.2	997.2	1065.0	1079.5	1191.6
25°	1254.2	1253.8	1217.2	1144.7	1066.7	1015.1	1005.3	1036.0	1091.0	1105.0	1222.3
27.5°	1410.7	1400.0	1356.6	1263.2	1165.1	1086.3	1063.3	1075.6	1111.9	1126.3	1247.0
30°	1544.6	1545.9	1501.5	1399.6	1270.0	1155.8	1112.3	1104.2	1125.5	1140.0	1270.0
32.5°	1687.8	1680.6	1640.1	1535.2	1383.4	1230.4	1143.8	1124.6	1139.6	1153.2	1302.0
35°	1822.5	1814.4	1779.5	1666.5	1508.3	1312.7	1186.5	1156.6	1172.8	1187.7	1341.2
37.5°	1950.9	1952.1	1912.5	1804.6	1629.4	1409.9	1249.6	1204.8	1222.3	1238.9	1400.9
40°	2063.0	2056.6	2025.9	1928.7	1755.2	1508.8	1320.8	1270.4	1304.6	1319.9	1476.4
42.5°	2098.8	2098.4	2110.3	2050.6	1887.3	1626.4	1409.4	1372.8	1420.9	1444.0	1568.9
45°	2067.7	2077.1	2146.1	2144.4	2019.5	1761.6	1530.5	1497.3	1566.7	1592.7	1681.8
47.5°	2037.0	2051.0	2144.8	2198.1	2138.0	1910.4	1679.3	1654.6	1754.3	1791.8	1799.1
50°	1992.2	2005.4	2117.1	2205.8	2210.5	2060.9	1872.0	1840.9	1969.2	2007.6	1926.6
52.5°	1942.3	1952.6	2068.1	2200.3	2245.0	2178.5	2060.9	2051.9	2199.4	2230.5	2056.2
55°	1666.9	1710.4	1996.1	2188.3	2268.9	2268.5	2244.6	2274.0	2450.5	2497.0	2200.7
57.5°	1508.8	1531.8	1793.1	2181.5	2313.7	2351.6	2434.3	2497.4	2718.7	2760.5	2360.1
60°	1457.2	1477.6	1691.2	2173.4	2402.8	2481.6	2619.8	2722.1	3006.9	3058.0	2538.3
62.5°	1410.3	1435.0	1649.9	2109.0	2510.6	2687.5	2841.0	2965.1	3310.8	3371.4	2715.7
65°	1314.8	1332.3	1574.0	2054.9	2612.9	2981.3	3160.3	3232.8	3605.4	3673.6	2833.4
67.5°	1149.8	1166.4	1403.0	1930.4	2679.4	3287.0	3509.5	3509.9	3833.1	3888.9	2858.1
70°	955.8	968.6	1156.6	1659.3	2540.9	3483.1	3824.6	3691.1	3897.5	3921.8	2740.4
72.5°	683.4	694.5	847.1	1226.5	2083.4	3324.1	3896.2	3683.4	3741.4	3733.7	2405.7
75°	421.2	442.5	518.8	748.6	1294.7	2615.5	3506.5	3337.7	3141.6	3120.3	1811.5
77.5°	274.6	285.6	350.9	441.7	571.3	1501.5	2663.2	2502.5	1983.7	1959.0	973.7
80°	165.0	183.3	229.8	277.5	258.8	574.3	1520.7	1243.2	700.9	693.2	299.3
82.5°	88.7	105.3	162.0	171.8	145.4	202.9	550.8	404.2	224.2	221.7	112.1
85°	70.3	78.4	116.4	108.7	82.3	102.7	214.9	168.4	115.1	112.5	42.2
87.5°	42.6	53.7	88.2	73.3	40.9	37.1	98.5	79.7	54.1	50.3	16.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P672324
 CATALOG NUMBER: CCP-SA-1E-840-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	981.4	981.4	981.4	981.4	981.4	981.4	981.4	981.4	981.4	981.4	981.4
2.5°	984.8	986.9	989.1	984.8	986.5	984.4	984.4	984.4	978.8	977.1	982.3
5°	994.2	997.2	998.9	985.7	977.6	965.6	955.8	940.9	932.4	926.8	926.8
7.5°	1013.4	1016.8	1009.1	979.7	951.1	919.2	886.3	859.0	839.4	830.9	833.5
10°	1041.5	1042.8	1017.2	963.1	902.1	842.8	796.4	760.1	735.8	723.5	721.8
12.5°	1074.3	1068.8	1018.9	926.4	836.0	756.3	699.6	652.7	621.6	609.6	603.7
15°	1106.7	1093.5	1012.5	882.5	761.0	665.1	592.6	548.3	529.1	523.5	521.4
17.5°	1135.7	1111.0	991.2	819.4	674.0	558.5	505.2	489.4	491.6	496.7	498.8
20°	1162.2	1124.2	960.5	744.4	565.3	475.4	462.1	476.6	488.6	496.2	497.5
22.5°	1191.2	1137.0	917.9	653.1	476.2	437.0	452.8	469.4	481.3	489.0	490.3
25°	1213.3	1136.6	857.8	544.8	419.9	426.8	445.5	460.4	469.4	474.9	474.5
27.5°	1227.4	1126.3	778.9	455.7	397.8	419.5	437.4	447.2	452.3	456.6	456.2
30°	1231.7	1106.7	679.6	390.1	387.5	412.7	426.3	432.3	436.1	440.4	440.4
32.5°	1240.2	1076.5	570.0	353.4	379.9	405.9	414.0	418.7	415.7	405.0	402.9
35°	1249.6	1042.8	466.4	336.4	372.6	401.2	408.8	396.5	364.1	359.8	358.1
37.5°	1267.9	1011.7	378.6	324.4	370.9	403.7	410.1	360.7	333.4	320.2	318.0
40°	1299.0	980.5	319.7	315.9	373.0	414.8	393.1	343.6	298.4	273.3	269.0
42.5°	1339.9	942.6	286.5	311.6	379.0	432.7	387.1	319.3	269.9	252.8	250.3
45°	1387.3	892.3	270.7	310.8	386.2	441.7	388.8	299.7	257.1	243.9	243.0
47.5°	1436.3	842.8	263.9	309.9	395.2	437.8	365.4	293.7	252.0	248.1	250.7
50°	1489.2	786.6	258.4	307.8	402.5	437.8	352.6	292.5	253.7	262.2	270.7
52.5°	1538.6	739.2	252.0	301.4	405.4	430.2	348.7	297.1	256.2	254.1	256.6
55°	1598.7	714.9	248.5	292.5	399.9	406.7	344.0	309.9	258.4	240.9	240.9
57.5°	1667.4	709.8	243.4	280.5	382.0	374.3	343.6	317.6	252.8	236.6	233.6
60°	1750.1	720.9	237.0	265.6	360.2	349.2	340.6	317.6	243.9	229.4	230.6
62.5°	1817.0	719.6	233.2	252.4	331.3	323.2	335.1	313.3	240.4	228.5	228.1
65°	1832.8	692.4	222.1	235.3	295.4	291.6	329.1	302.7	235.8	223.8	220.4
67.5°	1779.5	630.5	205.5	212.7	257.5	257.9	318.5	288.6	229.4	221.3	215.7
70°	1628.1	509.9	180.8	185.5	216.6	222.1	302.7	272.0	218.7	210.2	197.0
72.5°	1362.5	366.6	152.2	153.5	172.2	186.7	275.4	249.4	202.9	182.9	168.8
75°	1008.7	243.4	124.1	122.4	129.2	151.8	235.3	224.2	182.5	151.8	144.5
77.5°	533.3	144.1	95.5	95.9	91.7	116.4	186.7	194.8	162.0	127.9	120.6
80°	182.5	86.5	68.6	71.6	64.8	83.1	138.6	162.0	138.6	106.6	94.2
82.5°	83.6	52.9	49.0	51.2	46.5	56.3	95.1	122.8	110.4	77.6	62.7
85°	42.2	31.5	31.5	34.5	30.7	29.0	52.4	81.4	81.0	53.3	46.0
87.5°	17.5	15.3	14.5	16.6	14.5	11.1	14.9	29.4	42.6	32.0	20.5
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)