

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: P671381

Luminaire Tested: **CCP-SA-1C-735-U-SL3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671381
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-735-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SL3 distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

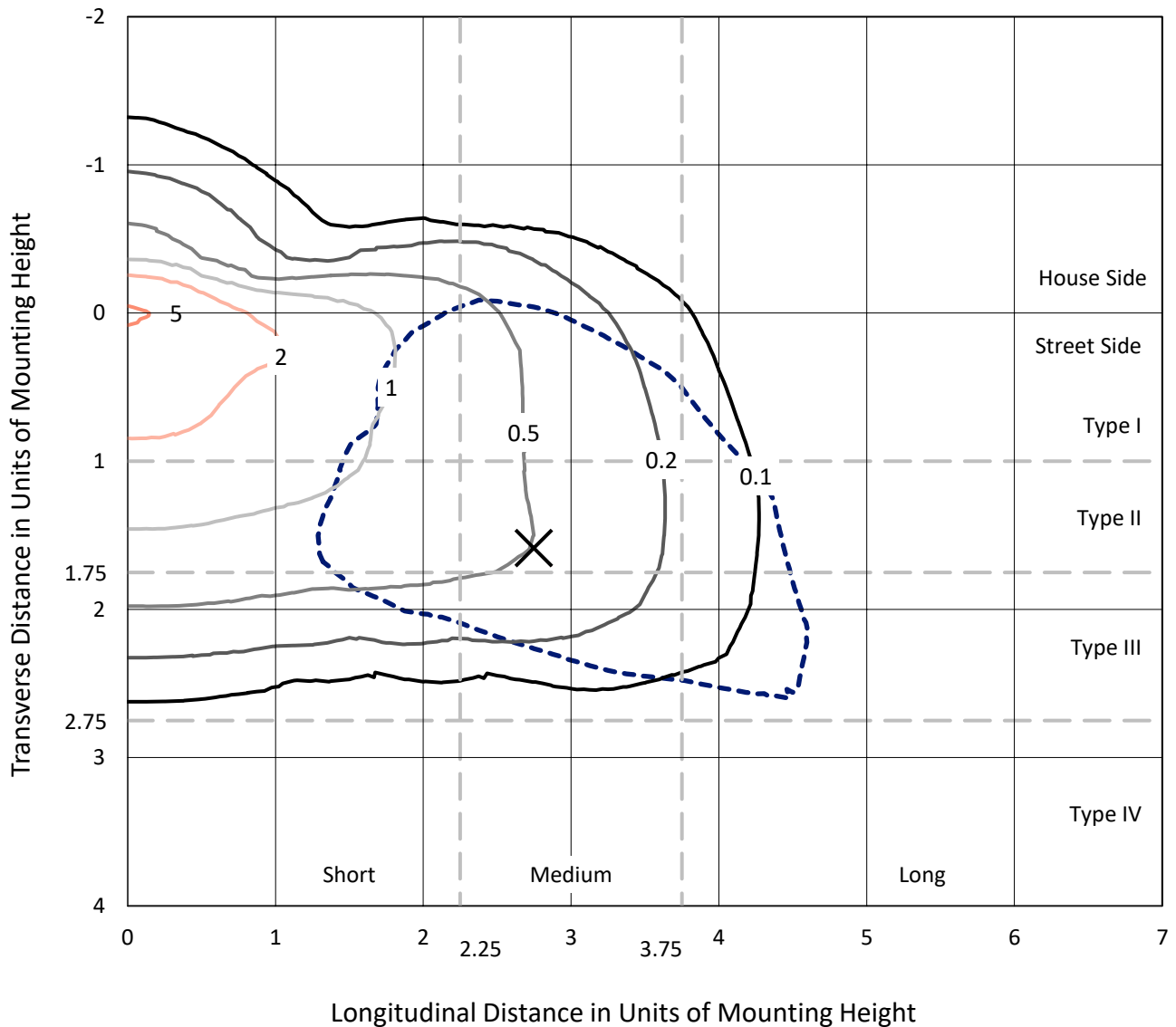
Lumens per Lamp: N/A
Luminaire Lumens: 4409.1 lumens
Efficiency: N/A
Efficacy: 137.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 32
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

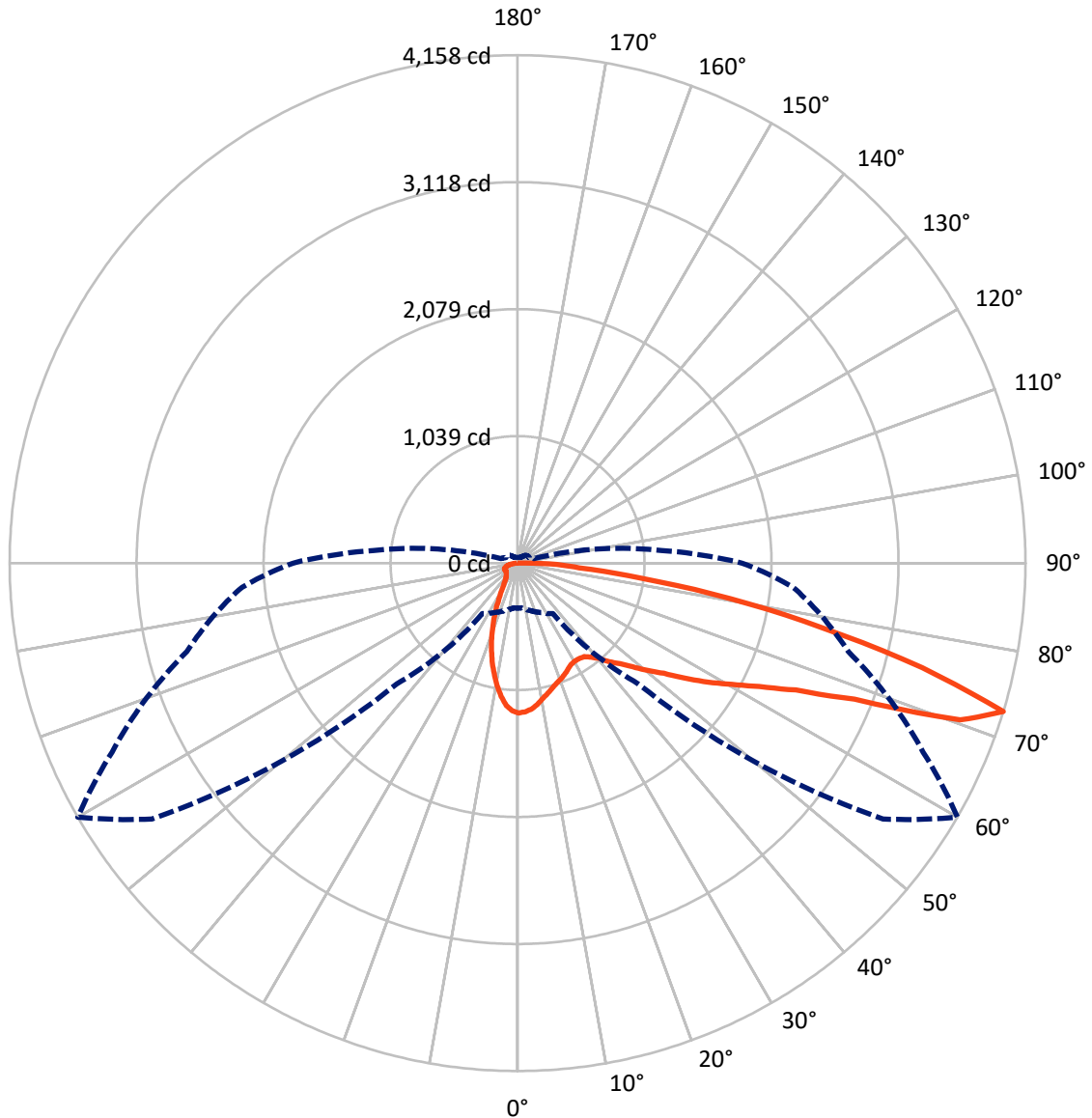
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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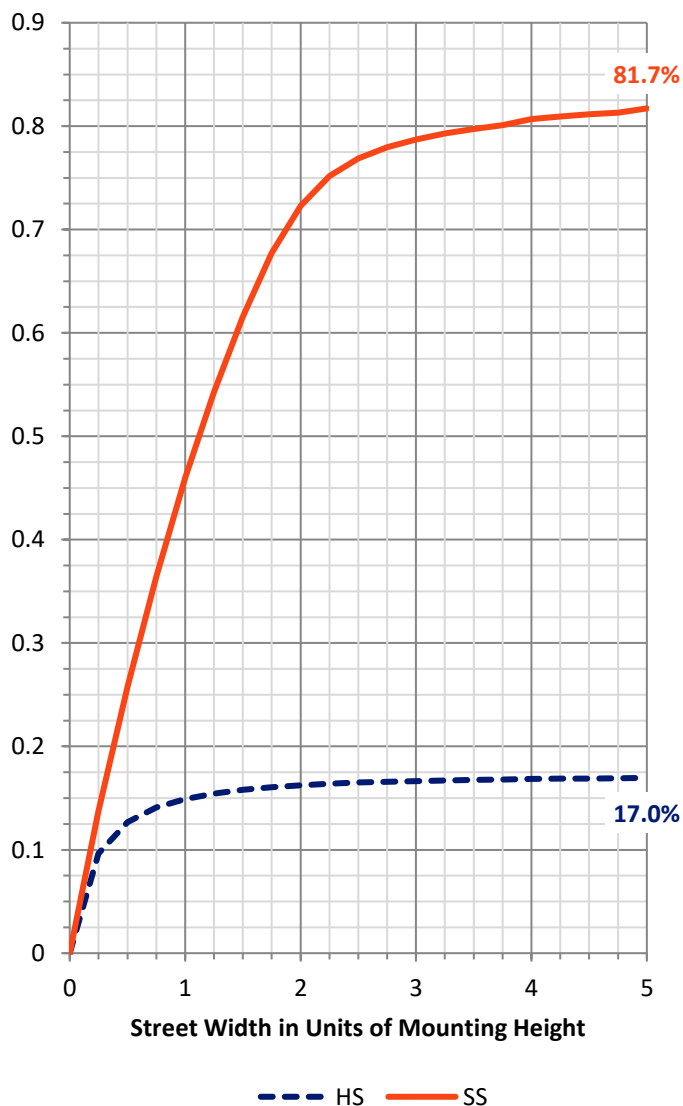
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	757.4	0.0	757.4
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	3651.7	0.0	3651.7
	% Fixture	82.8	0.0	82.8
Total	Lumens	4409.1	0.0	4409.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.4	2.4
10°-20°	241.3	5.5
20°-30°	308.8	7.0
30°-40°	395.1	9.0
40°-50°	541.9	12.3
50°-60°	783.7	17.8
60°-70°	1075.1	24.4
70°-80°	806.8	18.3
80°-90°	150.0	3.4
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°	4409.1	100.0
0°-180°	4409.1	100.0



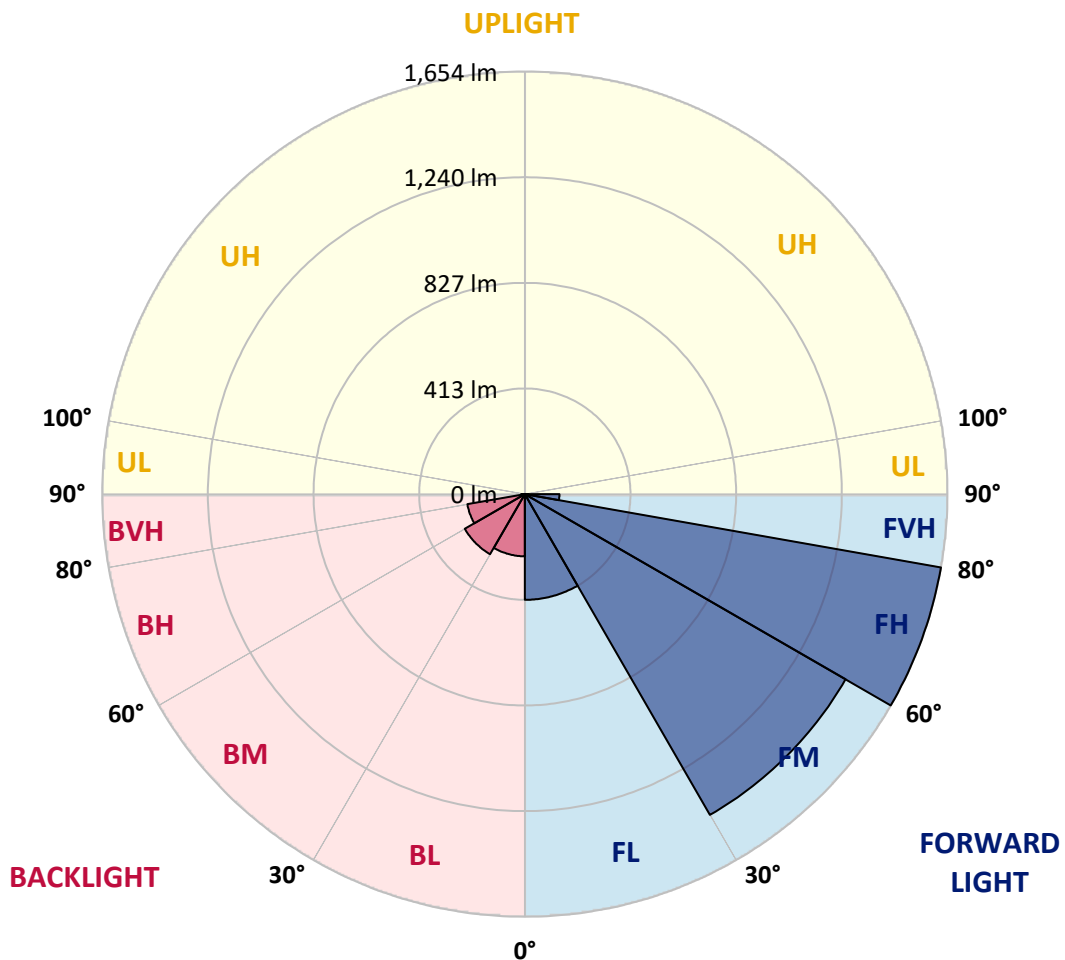
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	413.4	9.4			
FM (30°-60°)	1449.2	32.9			
FH (60°-80°)	1653.7	37.5			G1/1800
FVH (80°-90°)	135.3	3.1			G2/225
BL (0°-30°)	243.1	5.5	B1/500		
BM (30°-60°)	271.4	6.2	B1/1000		
BH (60°-80°)	228.2	5.2	B1/500		G1/500
BVH (80°-90°)	14.6	0.3			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7
2.5°	1201.5	1212.9	1216.2	1216.2	1226.1	1214.6	1231.0	1217.9	1221.2	1226.1	1222.8
5°	1144.0	1163.7	1152.2	1173.6	1165.3	1180.1	1199.8	1199.8	1194.9	1204.7	1196.5
7.5°	1088.2	1081.6	1101.3	1101.3	1114.5	1134.2	1150.6	1167.0	1168.6	1171.9	1170.3
10°	1012.7	1020.9	1030.8	1043.9	1060.3	1080.0	1114.5	1127.6	1130.9	1150.6	1145.7
12.5°	950.3	961.8	968.4	994.6	1009.4	1037.3	1076.7	1094.8	1096.4	1124.3	1124.3
15°	904.4	910.9	925.7	935.6	968.4	1007.8	1045.5	1061.9	1080.0	1109.5	1101.3
17.5°	873.2	881.4	888.0	901.1	932.3	965.1	1024.2	1034.0	1055.4	1098.1	1088.2
20°	855.1	856.8	866.6	874.8	902.7	933.9	986.4	1012.7	1040.6	1078.4	1068.5
22.5°	858.4	851.9	850.2	861.7	866.6	896.2	960.2	988.1	1027.5	1071.8	1055.4
25°	865.0	866.6	863.3	853.5	855.1	881.4	924.1	960.2	1004.5	1070.1	1037.3
27.5°	881.4	889.6	876.5	866.6	856.8	866.6	910.9	937.2	986.4	1078.4	1035.7
30°	897.8	906.0	902.7	888.0	868.3	865.0	896.2	929.0	976.6	1084.9	1035.7
32.5°	922.4	933.9	922.4	927.4	904.4	889.6	901.1	930.6	986.4	1107.9	1037.3
35°	950.3	960.2	963.5	952.0	947.0	919.1	925.7	940.5	996.3	1134.2	1053.7
37.5°	981.5	993.0	1002.9	1004.5	988.1	971.7	968.4	976.6	1020.9	1180.1	1071.8
40°	1002.9	1009.4	1029.1	1045.5	1050.5	1027.5	1025.8	1025.8	1065.2	1221.2	1104.6
42.5°	1039.0	1035.7	1063.6	1093.1	1101.3	1088.2	1091.5	1104.6	1127.6	1280.2	1157.1
45°	1057.0	1053.7	1086.6	1135.8	1173.6	1167.0	1170.3	1175.2	1196.5	1373.8	1245.8
47.5°	1081.6	1084.9	1132.5	1188.3	1227.7	1250.7	1268.8	1267.1	1283.5	1469.0	1344.3
50°	1106.3	1112.8	1170.3	1229.4	1298.3	1337.7	1363.9	1382.0	1398.4	1569.1	1457.5
52.5°	1153.9	1160.4	1224.4	1288.4	1377.1	1434.5	1500.2	1498.5	1500.2	1669.2	1570.8
55°	1222.8	1224.4	1262.2	1336.0	1455.9	1560.9	1651.2	1661.0	1633.1	1794.0	1700.4
57.5°	1301.6	1308.1	1341.0	1396.8	1518.2	1682.4	1820.2	1839.9	1764.4	1895.7	1818.6
60°	1375.4	1380.4	1431.2	1495.3	1626.6	1835.0	1990.9	2013.9	1931.9	2020.5	1941.7
62.5°	1291.7	1316.4	1406.6	1552.7	1817.0	2066.4	2207.6	2222.4	2094.3	2146.9	2073.0
65°	1034.0	1050.5	1180.1	1416.5	1830.1	2486.6	2542.4	2503.0	2317.6	2309.4	2271.6
67.5°	576.1	589.2	677.9	925.7	1541.2	2644.2	3263.0	2974.1	2663.9	2553.9	2540.8
70°	454.6	457.9	469.4	520.3	855.1	2330.7	3830.9	3844.0	3230.1	2890.4	2598.2
72.5°	369.3	367.7	402.1	446.4	505.5	1398.4	3652.0	4157.5	3663.5	2801.8	2263.4
75°	282.3	287.2	331.5	395.6	462.9	658.2	2724.6	3420.5	3432.0	2611.4	1908.9
77.5°	215.0	216.7	265.9	349.6	453.0	464.5	1777.6	2549.0	2560.5	2022.1	1052.1
80°	160.9	160.9	201.9	295.4	441.5	428.4	1094.8	1767.7	1600.3	710.7	229.8
82.5°	91.9	98.5	134.6	224.9	400.5	412.0	617.1	1012.7	676.2	193.7	106.7
85°	49.2	50.9	82.1	151.0	329.9	393.9	471.1	503.9	269.2	103.4	49.2
87.5°	18.1	18.1	37.8	77.1	208.4	292.2	374.2	321.7	154.3	47.6	24.6
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°	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7
2.5°	1226.1	1219.5	1214.6	1219.5	1201.5	1193.3	1203.1	1198.2	1188.3	1183.4	1180.1
5°	1201.5	1193.3	1185.0	1180.1	1160.4	1140.7	1130.9	1111.2	1094.8	1099.7	1089.8
7.5°	1175.2	1167.0	1142.4	1119.4	1080.0	1040.6	1022.6	994.6	984.8	976.6	971.7
10°	1142.4	1127.6	1089.8	1043.9	986.4	942.1	896.2	863.3	828.9	814.1	819.0
12.5°	1101.3	1093.1	1034.0	963.5	883.0	809.2	755.0	702.5	656.5	631.9	625.3
15°	1083.3	1058.7	973.3	879.8	778.0	686.1	605.7	513.7	459.6	433.3	433.3
17.5°	1063.6	1017.6	915.9	787.8	671.3	553.1	439.9	356.2	313.5	298.7	298.7
20°	1032.4	981.5	848.6	700.8	559.7	416.9	315.1	269.2	256.0	246.2	247.8
22.5°	1009.4	947.0	786.2	615.5	443.2	310.2	247.8	233.1	228.1	224.9	226.5
25°	983.2	906.0	720.5	523.6	348.0	244.6	215.0	208.4	211.7	213.4	213.4
27.5°	961.8	871.5	653.3	425.1	262.6	206.8	193.7	192.0	198.6	201.9	203.5
30°	947.0	840.4	587.6	334.8	210.1	183.8	177.3	177.3	185.5	188.8	190.4
32.5°	932.3	814.1	517.0	256.0	178.9	164.1	162.5	164.1	169.1	169.1	170.7
35°	937.2	789.5	449.7	206.8	160.9	151.0	151.0	151.0	152.6	154.3	154.3
37.5°	947.0	782.9	377.5	174.0	147.7	141.2	141.2	139.5	141.2	139.5	141.2
40°	956.9	773.1	311.9	154.3	139.5	134.6	132.9	129.7	128.0	128.0	129.7
42.5°	997.9	786.2	256.0	141.2	132.9	129.7	124.7	121.5	119.8	119.8	119.8
45°	1050.5	810.8	211.7	134.6	128.0	119.8	116.5	114.9	111.6	113.3	114.9
47.5°	1129.2	848.6	185.5	129.7	123.1	113.3	110.0	106.7	106.7	110.0	110.0
50°	1232.6	910.9	169.1	124.7	118.2	108.3	103.4	101.8	101.8	106.7	106.7
52.5°	1344.3	983.2	162.5	123.1	113.3	103.4	98.5	96.8	96.8	103.4	103.4
55°	1455.9	1071.8	167.4	123.1	110.0	98.5	93.6	90.3	91.9	96.8	96.8
57.5°	1579.0	1167.0	192.0	123.1	106.7	96.8	90.3	85.3	87.0	88.6	88.6
60°	1713.6	1291.7	234.7	123.1	105.0	93.6	85.3	78.8	78.8	80.4	80.4
62.5°	1849.8	1414.8	295.4	124.7	106.7	91.9	78.8	72.2	70.6	72.2	72.2
65°	2028.7	1611.8	356.2	124.7	111.6	88.6	73.9	65.7	64.0	64.0	65.7
67.5°	2279.8	1752.9	275.7	119.8	114.9	88.6	68.9	60.7	57.4	57.4	57.4
70°	2146.9	1478.8	175.6	111.6	110.0	91.9	65.7	55.8	52.5	50.9	50.9
72.5°	1838.3	1183.4	141.2	105.0	101.8	90.3	62.4	52.5	47.6	46.0	46.0
75°	1473.9	933.9	123.1	95.2	88.6	75.5	57.4	47.6	44.3	41.0	41.0
77.5°	722.2	390.6	93.6	83.7	75.5	57.4	50.9	44.3	39.4	36.1	36.1
80°	180.5	136.2	68.9	65.7	55.8	44.3	41.0	37.8	34.5	31.2	31.2
82.5°	96.8	80.4	49.2	44.3	37.8	31.2	31.2	29.5	27.9	24.6	23.0
85°	49.2	47.6	32.8	29.5	24.6	19.7	21.3	21.3	19.7	14.8	14.8
87.5°	26.3	26.3	16.4	13.1	11.5	9.8	9.8	9.8	8.2	6.6	6.6
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)