

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: P672228

Luminaire Tested: **CCP-SA-2B-727-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672228
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-727-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T3R distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

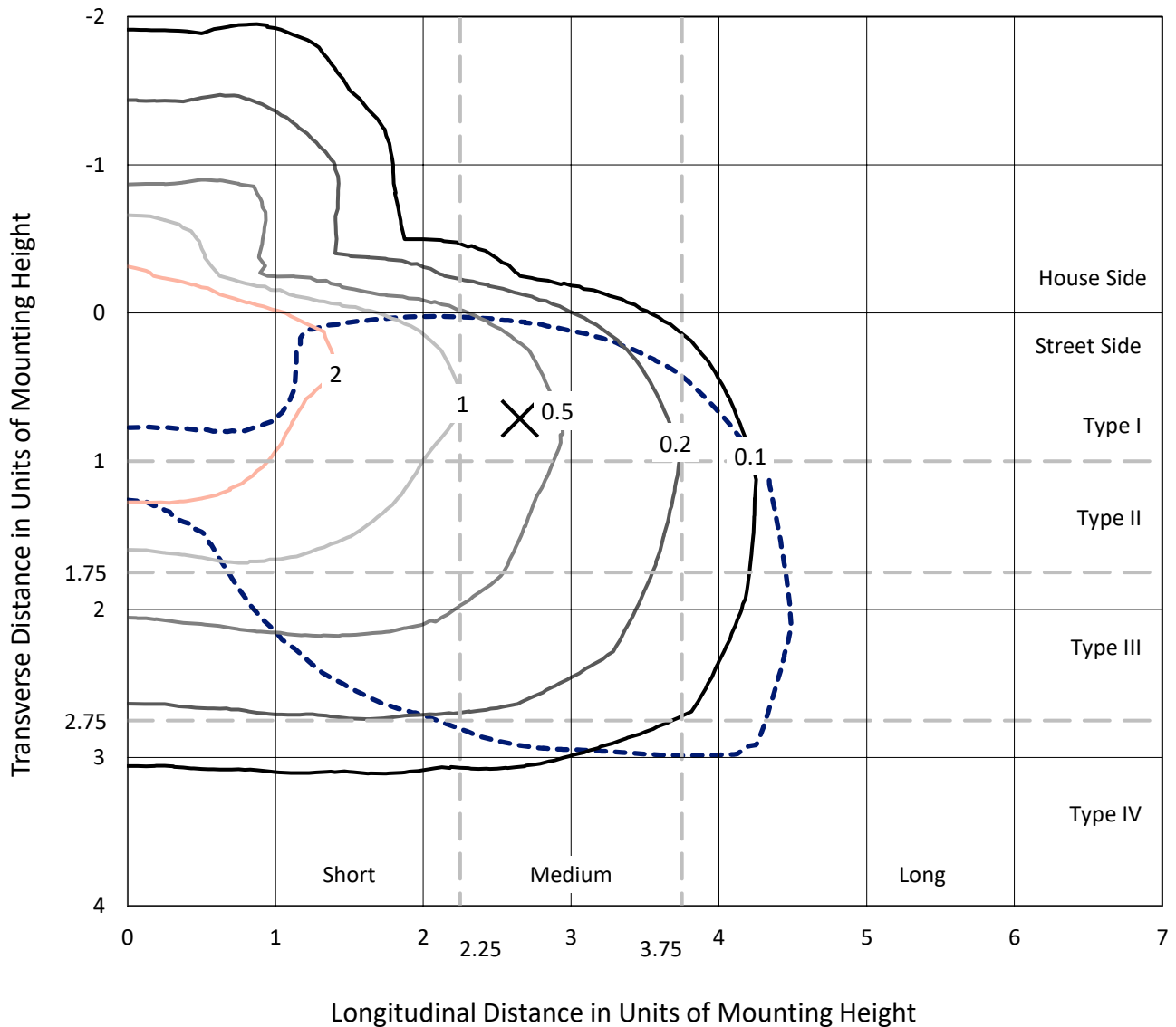
Lumens per Lamp: N/A
Luminaire Lumens: 5870.2 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 46
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

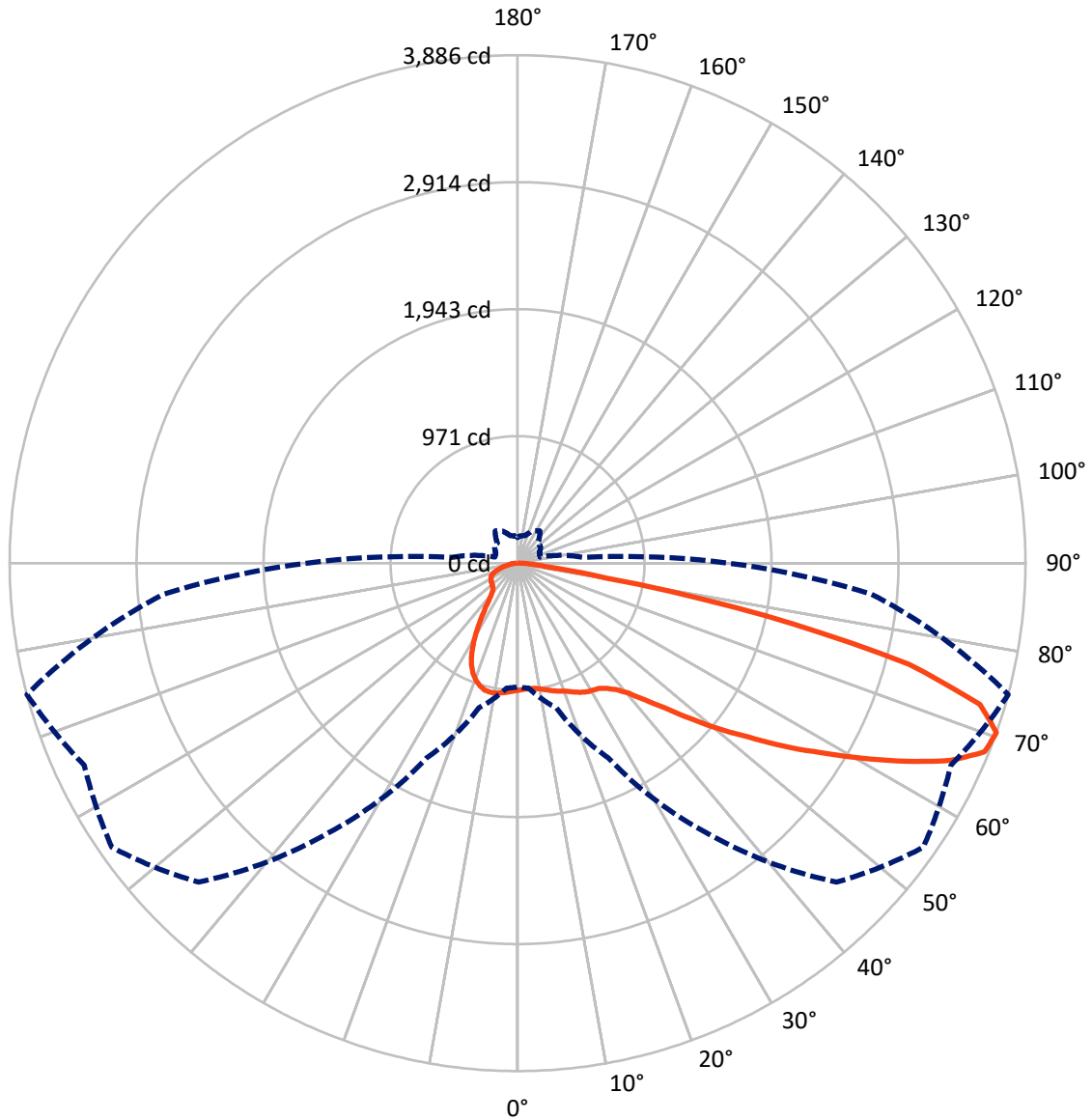
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 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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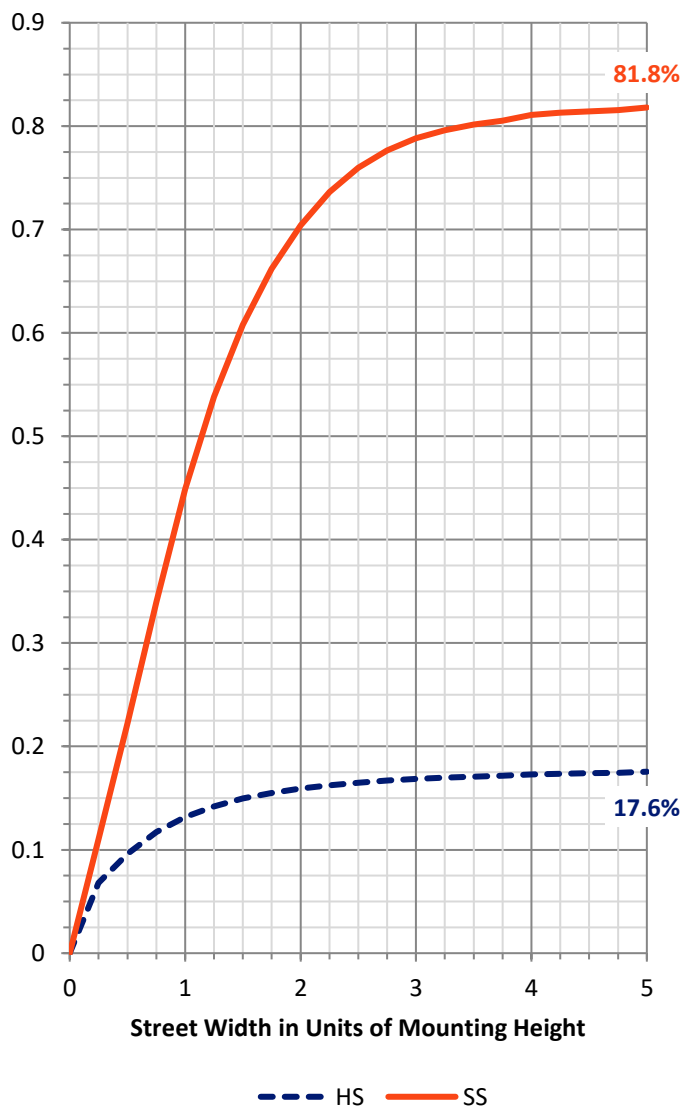
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1044.4	0.0	1044.4
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	4825.8	0.0	4825.8
	% Fixture	82.2	0.0	82.2
Total	Lumens	5870.2	0.0	5870.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.3	1.5
10°-20°	233.1	4.0
20°-30°	392.8	6.7
30°-40°	596.5	10.2
40°-50°	854.6	14.6
50°-60°	1133.1	19.3
60°-70°	1417.9	24.2
70°-80°	1035.5	17.6
80°-90°	119.4	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°	5870.2	100.0
0°-180°	5870.2	100.0



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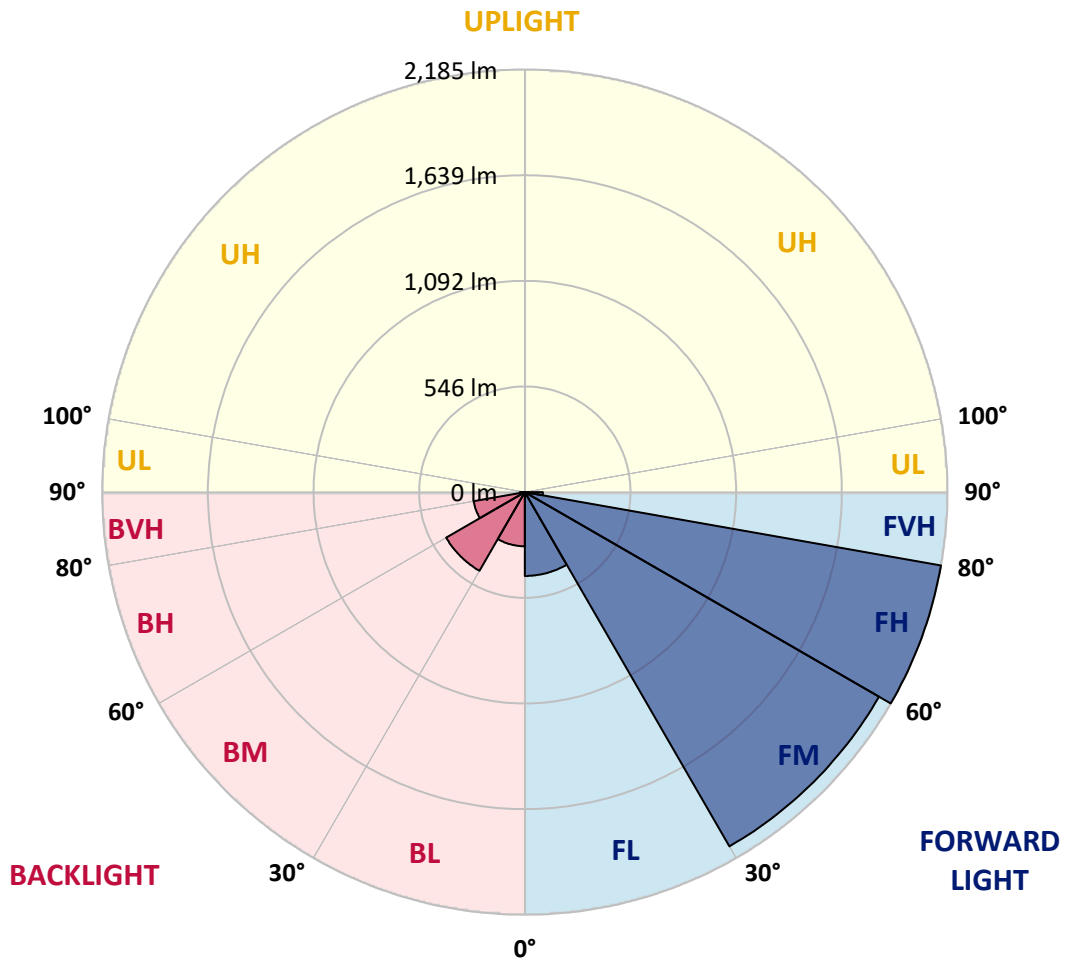
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	433.3	7.4			
FM (30°-60°)	2114.7	36.0			
FH (60°-80°)	2184.7	37.2			G2/5000
FVH (80°-90°)	93.2	1.6			G1/100
BL (0°-30°)	279.9	4.8	B1/500		
BM (30°-60°)	469.6	8.0	B1/1000		
BH (60°-80°)	268.6	4.6	B1/500		G1/500
BVH (80°-90°)	26.2	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°	972.4	972.4	972.4	972.4	972.4	972.4	972.4	972.4	972.4	972.4	972.4
2.5°	919.2	924.2	928.9	933.5	937.3	947.5	949.6	960.5	963.5	966.0	969.4
5°	867.6	871.4	876.1	883.7	891.7	909.9	922.5	946.6	960.1	964.4	976.2
7.5°	839.7	841.0	847.3	853.7	863.0	880.7	898.0	935.6	962.7	967.3	992.7
10°	819.5	821.2	827.1	835.9	845.2	861.7	883.2	928.0	972.0	979.1	1015.0
12.5°	812.3	811.4	818.2	824.1	837.2	857.9	880.3	928.4	984.6	994.8	1047.6
15°	841.0	835.5	839.7	837.6	841.9	862.1	888.7	937.7	1000.3	1012.9	1081.4
17.5°	904.4	899.7	896.8	878.6	866.8	878.2	903.5	950.8	1016.7	1030.2	1111.8
20°	999.0	985.9	974.9	944.5	911.5	907.7	925.5	963.9	1032.4	1045.5	1143.9
22.5°	1106.7	1096.1	1078.4	1025.2	974.1	948.7	953.4	988.0	1055.2	1069.5	1180.6
25°	1242.7	1242.3	1206.0	1134.2	1056.9	1005.7	996.0	1026.4	1080.9	1094.9	1211.0
27.5°	1397.7	1387.2	1344.1	1251.6	1154.4	1076.3	1053.5	1065.7	1101.6	1116.0	1235.5
30°	1530.4	1531.6	1487.7	1386.8	1258.3	1145.1	1102.1	1094.0	1115.1	1129.5	1258.3
32.5°	1672.3	1665.1	1625.0	1521.1	1370.7	1219.1	1133.3	1114.3	1129.1	1142.6	1290.0
35°	1805.8	1797.8	1763.1	1651.2	1494.5	1300.6	1175.6	1146.0	1162.0	1176.8	1328.9
37.5°	1932.9	1934.2	1894.9	1788.0	1614.4	1396.9	1238.1	1193.7	1211.0	1227.5	1388.0
40°	2044.0	2037.7	2007.3	1911.0	1739.0	1494.9	1308.6	1258.8	1292.6	1307.8	1462.8
42.5°	2079.5	2079.1	2090.9	2031.8	1870.0	1611.5	1396.5	1360.1	1407.9	1430.7	1554.4
45°	2048.7	2058.0	2126.4	2124.7	2000.9	1745.4	1516.4	1483.5	1552.3	1578.1	1666.4
47.5°	2018.2	2032.2	2125.1	2177.9	2118.4	1892.8	1663.9	1639.4	1738.2	1775.4	1782.5
50°	1973.9	1987.0	2097.7	2185.5	2190.2	2041.9	1854.8	1823.9	1951.1	1989.1	1908.8
52.5°	1924.5	1934.6	2049.1	2180.0	2224.4	2158.5	2041.9	2033.0	2179.2	2210.0	2037.3
55°	1651.6	1694.7	1977.7	2168.2	2248.0	2247.6	2224.0	2253.1	2428.0	2474.0	2180.5
57.5°	1494.9	1517.7	1776.6	2161.4	2292.4	2330.0	2411.9	2474.4	2693.7	2735.1	2338.4
60°	1443.8	1464.1	1675.7	2153.4	2380.7	2458.8	2595.7	2697.1	2979.2	3029.9	2515.0
62.5°	1397.3	1421.8	1634.7	2089.6	2487.5	2662.8	2814.9	2937.8	3280.4	3340.4	2690.7
65°	1302.7	1320.0	1559.5	2036.0	2588.9	2953.9	3131.3	3203.1	3572.3	3639.9	2807.3
67.5°	1139.2	1155.7	1390.1	1912.6	2654.8	3256.7	3477.2	3477.7	3797.8	3853.2	2831.8
70°	947.0	959.7	1146.0	1644.0	2517.5	3451.0	3789.4	3657.2	3861.6	3885.7	2715.2
72.5°	677.1	688.1	839.3	1215.3	2064.3	3293.5	3860.4	3649.6	3707.0	3699.4	2383.6
75°	417.3	438.5	514.1	741.7	1282.8	2591.5	3474.3	3307.0	3112.7	3091.6	1794.8
77.5°	272.0	283.0	347.6	437.6	566.0	1487.7	2638.8	2479.5	1965.4	1940.9	964.8
80°	163.5	181.6	227.7	275.0	256.4	569.0	1506.7	1231.7	694.4	686.8	296.5
82.5°	87.9	104.3	160.5	170.2	144.0	201.1	545.7	400.4	222.2	219.7	111.1
85°	69.7	77.7	115.3	107.7	81.5	101.8	212.9	166.8	114.0	111.5	41.8
87.5°	42.2	53.2	87.4	72.7	40.6	36.7	97.6	79.0	53.6	49.8	16.5
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°	972.4	972.4	972.4	972.4	972.4	972.4	972.4	972.4	972.4	972.4	972.4
2.5°	975.8	977.9	980.0	975.8	977.4	975.3	975.3	975.3	969.8	968.2	973.2
5°	985.0	988.0	989.7	976.6	968.6	956.7	947.0	932.2	923.8	918.3	918.3
7.5°	1004.1	1007.4	999.8	970.7	942.4	910.7	878.2	851.1	831.7	823.3	825.8
10°	1031.9	1033.2	1007.9	954.2	893.8	835.1	789.1	753.1	729.1	716.8	715.1
12.5°	1064.5	1059.0	1009.5	917.9	828.3	749.3	693.2	646.7	615.9	604.0	598.1
15°	1096.6	1083.5	1003.2	874.4	754.0	659.0	587.1	543.2	524.2	518.7	516.6
17.5°	1125.3	1100.8	982.1	811.9	667.8	553.4	500.5	484.9	487.0	492.1	494.2
20°	1151.5	1113.9	951.7	737.5	560.1	471.0	457.9	472.2	484.1	491.7	492.9
22.5°	1180.2	1126.6	909.4	647.1	471.8	433.0	448.6	465.1	476.9	484.5	485.8
25°	1202.2	1126.1	849.9	539.8	416.1	422.8	441.4	456.2	465.1	470.6	470.1
27.5°	1216.1	1116.0	771.7	451.6	394.1	415.6	433.4	443.1	448.2	452.4	452.0
30°	1220.3	1096.6	673.3	386.5	384.0	408.9	422.4	428.3	432.1	436.3	436.3
32.5°	1228.8	1066.6	564.8	350.2	376.4	402.1	410.2	414.8	411.8	401.3	399.2
35°	1238.1	1033.2	462.1	333.3	369.2	397.5	405.1	392.8	360.7	356.5	354.8
37.5°	1256.2	1002.4	375.1	321.5	367.5	400.0	406.4	357.4	330.3	317.2	315.1
40°	1287.1	971.5	316.8	313.0	369.6	411.0	389.5	340.5	295.7	270.8	266.5
42.5°	1327.6	933.9	283.9	308.8	375.5	428.7	383.5	316.4	267.4	250.5	248.0
45°	1374.5	884.1	268.2	307.9	382.7	437.6	385.2	297.0	254.7	241.6	240.8
47.5°	1423.1	835.1	261.5	307.1	391.6	433.8	362.0	291.0	249.6	245.8	248.4
50°	1475.5	779.3	256.0	305.0	398.8	433.8	349.3	289.8	251.3	259.8	268.2
52.5°	1524.5	732.4	249.6	298.6	401.7	426.2	345.5	294.4	253.9	251.8	254.3
55°	1584.0	708.4	246.3	289.8	396.2	403.0	340.9	307.1	256.0	238.7	238.7
57.5°	1652.0	703.3	241.2	277.9	378.5	370.9	340.5	314.7	250.5	234.4	231.5
60°	1734.0	714.3	234.9	263.2	356.9	345.9	337.5	314.7	241.6	227.3	228.5
62.5°	1800.3	713.0	231.1	250.1	328.2	320.2	332.0	310.5	238.2	226.4	226.0
65°	1815.9	686.0	220.1	233.2	292.7	288.9	326.1	299.9	233.6	221.8	218.4
67.5°	1763.1	624.7	203.6	210.8	255.1	255.6	315.5	286.0	227.3	219.2	213.7
70°	1613.2	505.2	179.1	183.7	214.6	220.1	299.9	269.5	216.7	208.2	195.2
72.5°	1350.0	363.3	150.8	152.1	170.7	185.0	272.9	247.1	201.1	181.2	167.3
75°	999.4	241.2	122.9	121.2	128.0	150.4	233.2	222.2	180.8	150.4	143.2
77.5°	528.4	142.8	94.6	95.0	90.8	115.3	185.0	193.0	160.5	126.7	119.5
80°	180.8	85.7	68.0	71.0	64.2	82.4	137.3	160.5	137.3	105.6	93.4
82.5°	82.8	52.4	48.6	50.7	46.0	55.8	94.2	121.7	109.4	76.9	62.1
85°	41.8	31.3	31.3	34.2	30.4	28.7	52.0	80.7	80.3	52.8	45.6
87.5°	17.3	15.2	14.4	16.5	14.4	11.0	14.8	29.1	42.2	31.7	20.3
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)