

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: P672260

Luminaire Tested: **CCP-SA-2A-740-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672260
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-740-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T3R distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

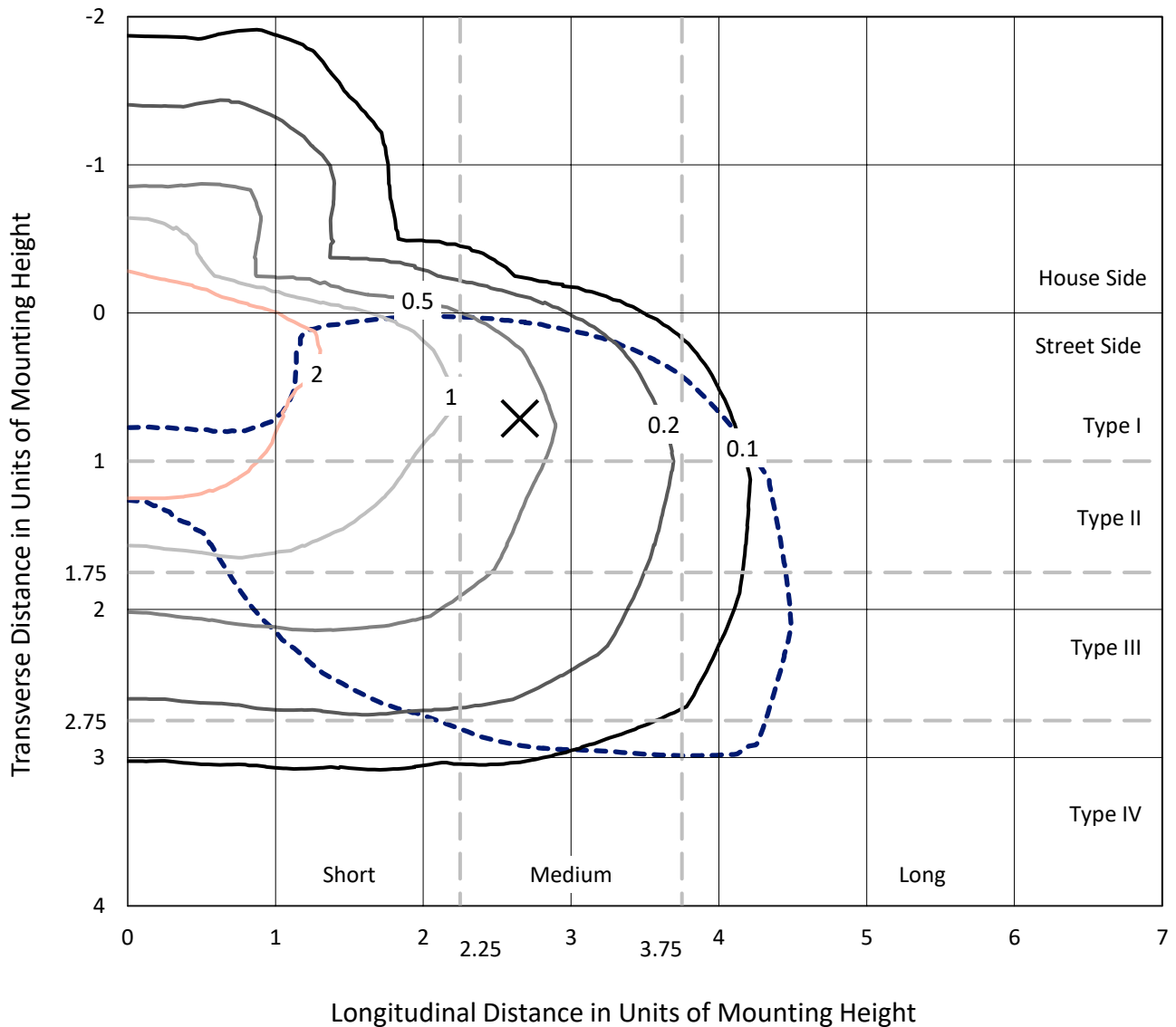
Lumens per Lamp: N/A
Luminaire Lumens: 5561.2 lumens
Efficiency: N/A
Efficacy: 153.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 36.2
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

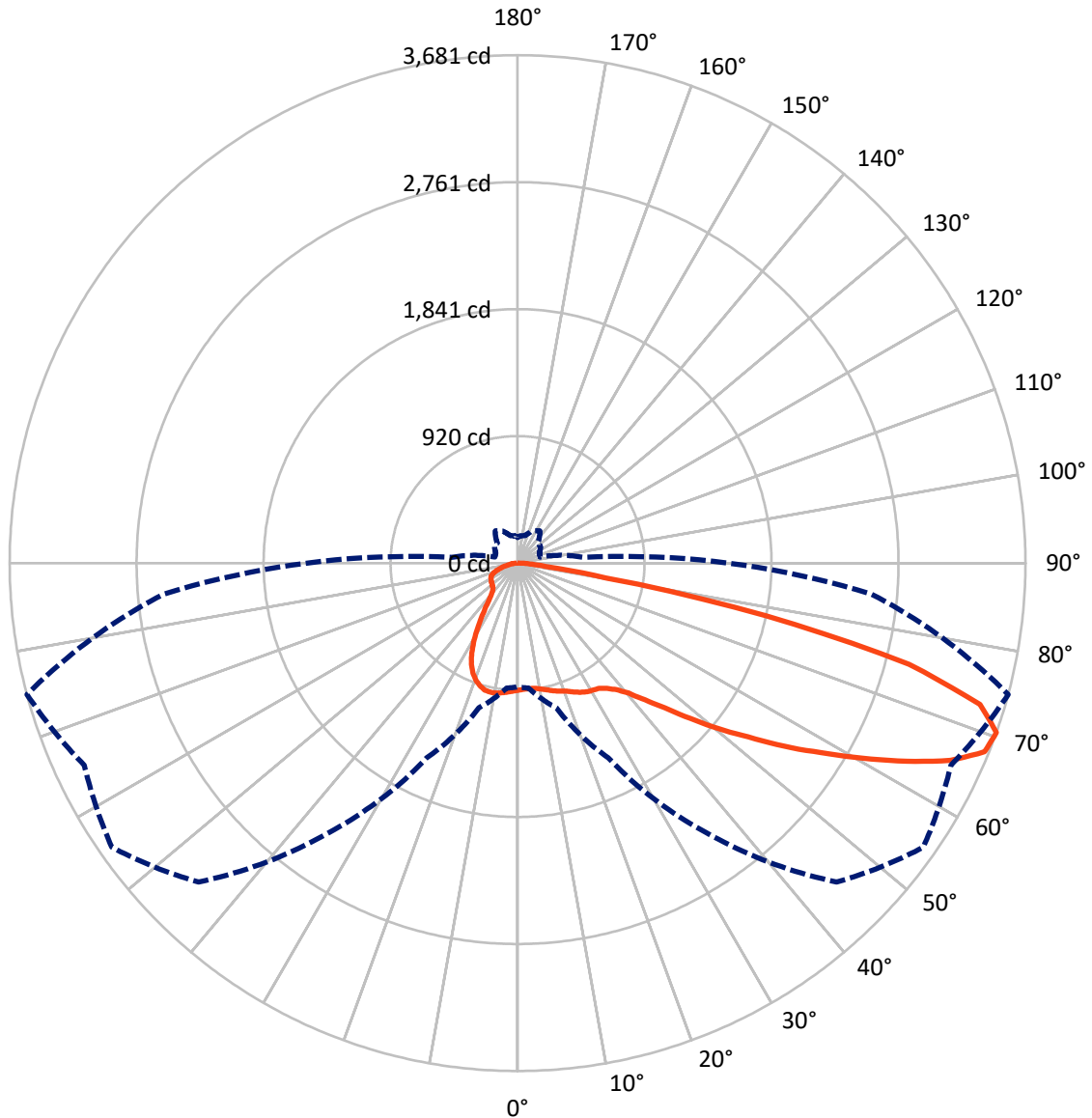
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.2 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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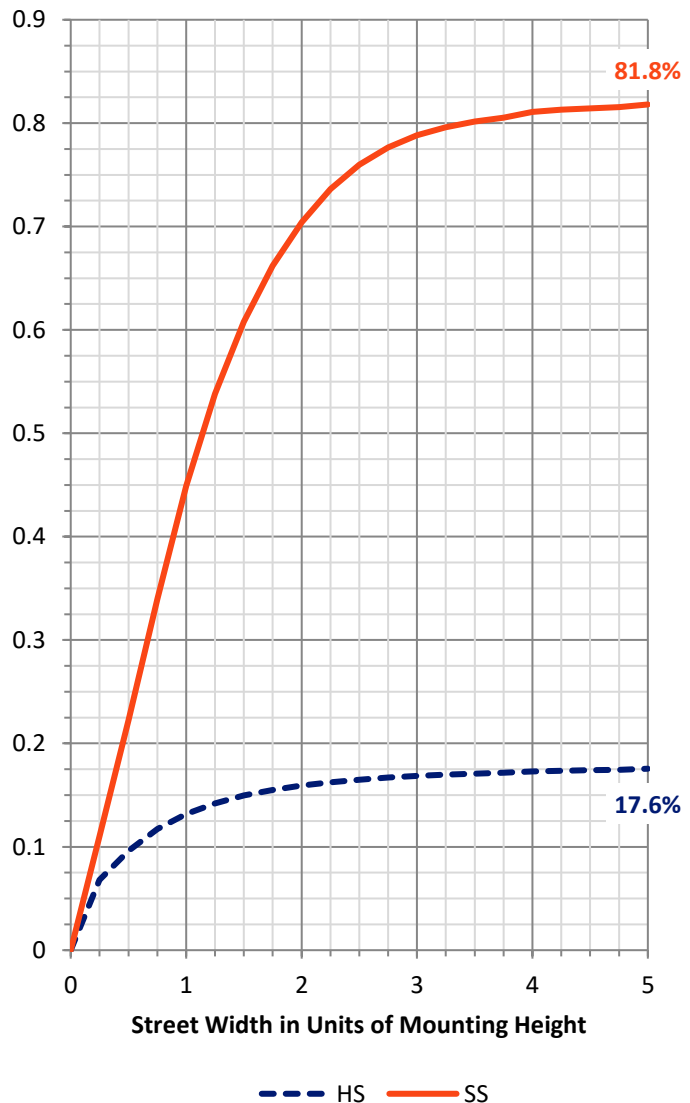
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	989.4	0.0	989.4
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	4571.8	0.0	4571.8
	% Fixture	82.2	0.0	82.2
Total	Lumens	5561.2	0.0	5561.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.7	1.5
10°-20°	220.9	4.0
20°-30°	372.1	6.7
30°-40°	565.1	10.2
40°-50°	809.6	14.6
50°-60°	1073.4	19.3
60°-70°	1343.3	24.2
70°-80°	980.9	17.6
80°-90°	113.1	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°	5561.2	100.0
0°-180°	5561.2	100.0



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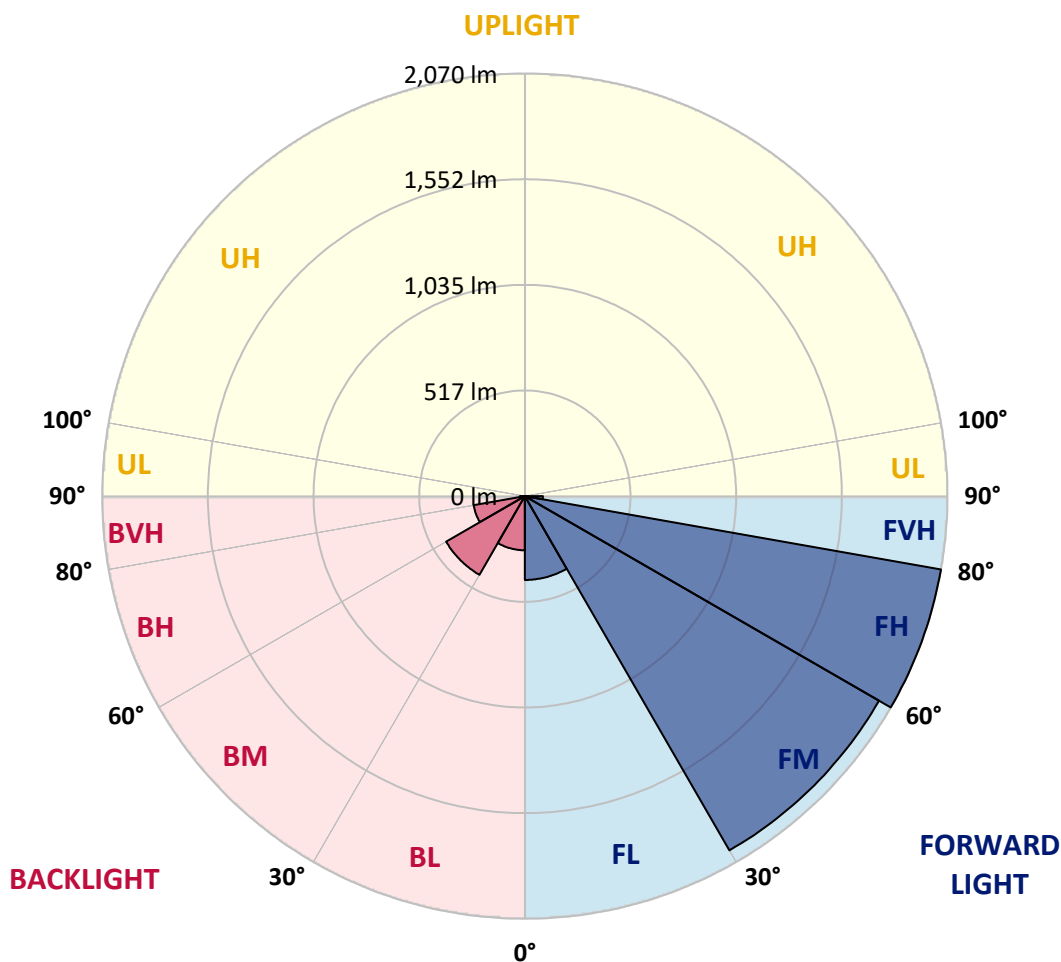
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	410.5	7.4			
FM (30°-60°)	2003.4	36.0			
FH (60°-80°)	2069.7	37.2			G2/5000
FVH (80°-90°)	88.3	1.6			G1/100
BL (0°-30°)	265.2	4.8	B1/500		
BM (30°-60°)	444.8	8.0	B1/1000		
BH (60°-80°)	254.5	4.6	B1/500		G1/500
BVH (80°-90°)	24.8	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°	921.2	921.2	921.2	921.2	921.2	921.2	921.2	921.2	921.2	921.2	921.2
2.5°	870.8	875.6	880.0	884.4	888.0	897.6	899.6	910.0	912.8	915.2	918.4
5°	821.9	825.5	830.0	837.2	844.8	862.0	874.0	896.8	909.6	913.6	924.8
7.5°	795.5	796.7	802.7	808.7	817.5	834.4	850.8	886.4	912.0	916.4	940.4
10°	776.3	777.9	783.5	791.9	800.7	816.3	836.8	879.2	920.8	927.6	961.6
12.5°	769.5	768.7	775.1	780.7	793.1	812.7	834.0	879.6	932.8	942.4	992.4
15°	796.7	791.5	795.5	793.5	797.5	816.7	842.0	888.4	947.6	959.6	1024.4
17.5°	856.8	852.4	849.6	832.4	821.1	832.0	856.0	900.8	963.2	976.0	1053.2
20°	946.4	934.0	923.6	894.8	863.6	860.0	876.8	913.2	978.0	990.4	1083.7
22.5°	1048.4	1038.4	1021.6	971.2	922.8	898.8	903.2	936.0	999.6	1013.2	1118.5
25°	1177.3	1176.9	1142.5	1074.5	1001.2	952.8	943.6	972.4	1024.0	1037.2	1147.3
27.5°	1324.2	1314.2	1273.3	1185.7	1093.7	1019.6	998.0	1009.6	1043.6	1057.2	1170.5
30°	1449.8	1451.0	1409.4	1313.8	1192.1	1084.9	1044.0	1036.4	1056.4	1070.1	1192.1
32.5°	1584.3	1577.5	1539.5	1441.0	1298.6	1154.9	1073.7	1055.6	1069.7	1082.5	1222.1
35°	1710.7	1703.1	1670.3	1564.3	1415.8	1232.1	1113.7	1085.7	1100.9	1114.9	1258.9
37.5°	1831.2	1832.4	1795.2	1693.9	1529.4	1323.4	1172.9	1130.9	1147.3	1162.9	1315.0
40°	1936.4	1930.4	1901.6	1810.4	1647.5	1416.2	1239.7	1192.5	1224.5	1238.9	1385.8
42.5°	1970.0	1969.6	1980.8	1924.8	1771.6	1526.6	1323.0	1288.5	1333.8	1355.4	1472.6
45°	1940.8	1949.6	2014.5	2012.9	1895.6	1653.5	1436.6	1405.4	1470.6	1495.0	1578.7
47.5°	1912.0	1925.2	2013.3	2063.3	2006.9	1793.2	1576.3	1553.1	1646.7	1681.9	1688.7
50°	1870.0	1882.4	1987.2	2070.5	2074.9	1934.4	1757.1	1727.9	1848.4	1884.4	1808.4
52.5°	1823.2	1832.8	1941.2	2065.3	2107.3	2044.9	1934.4	1926.0	2064.5	2093.7	1930.0
55°	1564.7	1605.5	1873.6	2054.1	2129.7	2129.3	2106.9	2134.5	2300.2	2343.8	2065.7
57.5°	1416.2	1437.8	1683.1	2047.7	2171.7	2207.3	2285.0	2344.2	2551.9	2591.1	2215.3
60°	1367.8	1387.0	1587.5	2040.1	2255.4	2329.4	2459.0	2555.1	2822.4	2870.4	2382.6
62.5°	1323.8	1347.0	1548.7	1979.6	2356.6	2522.7	2666.7	2783.2	3107.7	3164.5	2549.1
65°	1234.1	1250.5	1477.4	1928.8	2452.6	2798.4	2966.5	3034.5	3384.2	3448.3	2659.5
67.5°	1079.3	1094.9	1317.0	1812.0	2515.1	3085.3	3294.2	3294.6	3597.9	3650.3	2682.7
70°	897.2	909.2	1085.7	1557.5	2385.0	3269.4	3589.9	3464.7	3658.4	3681.2	2572.3
72.5°	641.5	651.9	795.1	1151.3	1955.6	3120.1	3657.1	3457.5	3511.9	3504.7	2258.2
75°	395.4	415.4	487.0	702.7	1215.3	2455.0	3291.4	3132.9	2948.8	2928.8	1700.3
77.5°	257.7	268.1	329.3	414.6	536.2	1409.4	2499.9	2349.0	1862.0	1838.8	914.0
80°	154.9	172.1	215.7	260.5	242.9	539.0	1427.4	1166.9	657.9	650.7	280.9
82.5°	83.2	98.8	152.1	161.3	136.5	190.5	517.0	379.4	210.5	208.1	105.2
85°	66.0	73.6	109.2	102.0	77.2	96.4	201.7	158.1	108.0	105.6	39.6
87.5°	40.0	50.4	82.8	68.8	38.4	34.8	92.4	74.8	50.8	47.2	15.6
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°	921.2	921.2	921.2	921.2	921.2	921.2	921.2	921.2	921.2	921.2	921.2
2.5°	924.4	926.4	928.4	924.4	926.0	924.0	924.0	924.0	918.8	917.2	922.0
5°	933.2	936.0	937.6	925.2	917.6	906.4	897.2	883.2	875.2	870.0	870.0
7.5°	951.2	954.4	947.2	919.6	892.8	862.8	832.0	806.3	787.9	779.9	782.3
10°	977.6	978.8	954.8	904.0	846.8	791.1	747.5	713.5	690.7	679.1	677.5
12.5°	1008.4	1003.2	956.4	869.6	784.7	709.9	656.7	612.7	583.4	572.2	566.6
15°	1038.8	1026.4	950.4	828.4	714.3	624.3	556.2	514.6	496.6	491.4	489.4
17.5°	1066.1	1042.8	930.4	769.1	632.7	524.2	474.2	459.4	461.4	466.2	468.2
20°	1090.9	1055.2	901.6	698.7	530.6	446.2	433.8	447.4	458.6	465.8	467.0
22.5°	1118.1	1067.3	861.6	613.1	447.0	410.2	425.0	440.6	451.8	459.0	460.2
25°	1138.9	1066.9	805.1	511.4	394.2	400.6	418.2	432.2	440.6	445.8	445.4
27.5°	1152.1	1057.2	731.1	427.8	373.4	393.8	410.6	419.8	424.6	428.6	428.2
30°	1156.1	1038.8	637.9	366.2	363.8	387.4	400.2	405.8	409.4	413.4	413.4
32.5°	1164.1	1010.4	535.0	331.7	356.6	381.0	388.6	393.0	390.2	380.2	378.2
35°	1172.9	978.8	437.8	315.7	349.7	376.6	383.8	372.2	341.7	337.7	336.1
37.5°	1190.1	949.6	355.4	304.5	348.1	379.0	385.0	338.5	312.9	300.5	298.5
40°	1219.3	920.4	300.1	296.5	350.1	389.4	369.0	322.5	280.1	256.5	252.5
42.5°	1257.7	884.8	268.9	292.5	355.8	406.2	363.4	299.7	253.3	237.3	234.9
45°	1302.2	837.6	254.1	291.7	362.6	414.6	365.0	281.3	241.3	228.9	228.1
47.5°	1348.2	791.1	247.7	290.9	371.0	411.0	342.9	275.7	236.5	232.9	235.3
50°	1397.8	738.3	242.5	288.9	377.8	411.0	330.9	274.5	238.1	246.1	254.1
52.5°	1444.2	693.9	236.5	282.9	380.6	403.8	327.3	278.9	240.5	238.5	240.9
55°	1500.6	671.1	233.3	274.5	375.4	381.8	322.9	290.9	242.5	226.1	226.1
57.5°	1565.1	666.3	228.5	263.3	358.6	351.3	322.5	298.1	237.3	222.1	219.3
60°	1642.7	676.7	222.5	249.3	338.1	327.7	319.7	298.1	228.9	215.3	216.5
62.5°	1705.5	675.5	218.9	236.9	310.9	303.3	314.5	294.1	225.7	214.5	214.1
65°	1720.3	649.9	208.5	220.9	277.3	273.7	308.9	284.1	221.3	210.1	206.9
67.5°	1670.3	591.9	192.9	199.7	241.7	242.1	298.9	270.9	215.3	207.7	202.5
70°	1528.2	478.6	169.7	174.1	203.3	208.5	284.1	255.3	205.3	197.3	184.9
72.5°	1278.9	344.1	142.9	144.1	161.7	175.3	258.5	234.1	190.5	171.7	158.5
75°	946.8	228.5	116.4	114.8	121.3	142.5	220.9	210.5	171.3	142.5	135.7
77.5°	500.6	135.3	89.6	90.0	86.0	109.2	175.3	182.9	152.1	120.1	113.2
80°	171.3	81.2	64.4	67.2	60.8	78.0	130.1	152.1	130.1	100.0	88.4
82.5°	78.4	49.6	46.0	48.0	43.6	52.8	89.2	115.2	103.6	72.8	58.8
85°	39.6	29.6	29.6	32.4	28.8	27.2	49.2	76.4	76.0	50.0	43.2
87.5°	16.4	14.4	13.6	15.6	13.6	10.4	14.0	27.6	40.0	30.0	19.2
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)