

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: P672303

Luminaire Tested: **CCP-SA-1F-830-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672303
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-830-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T3R distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

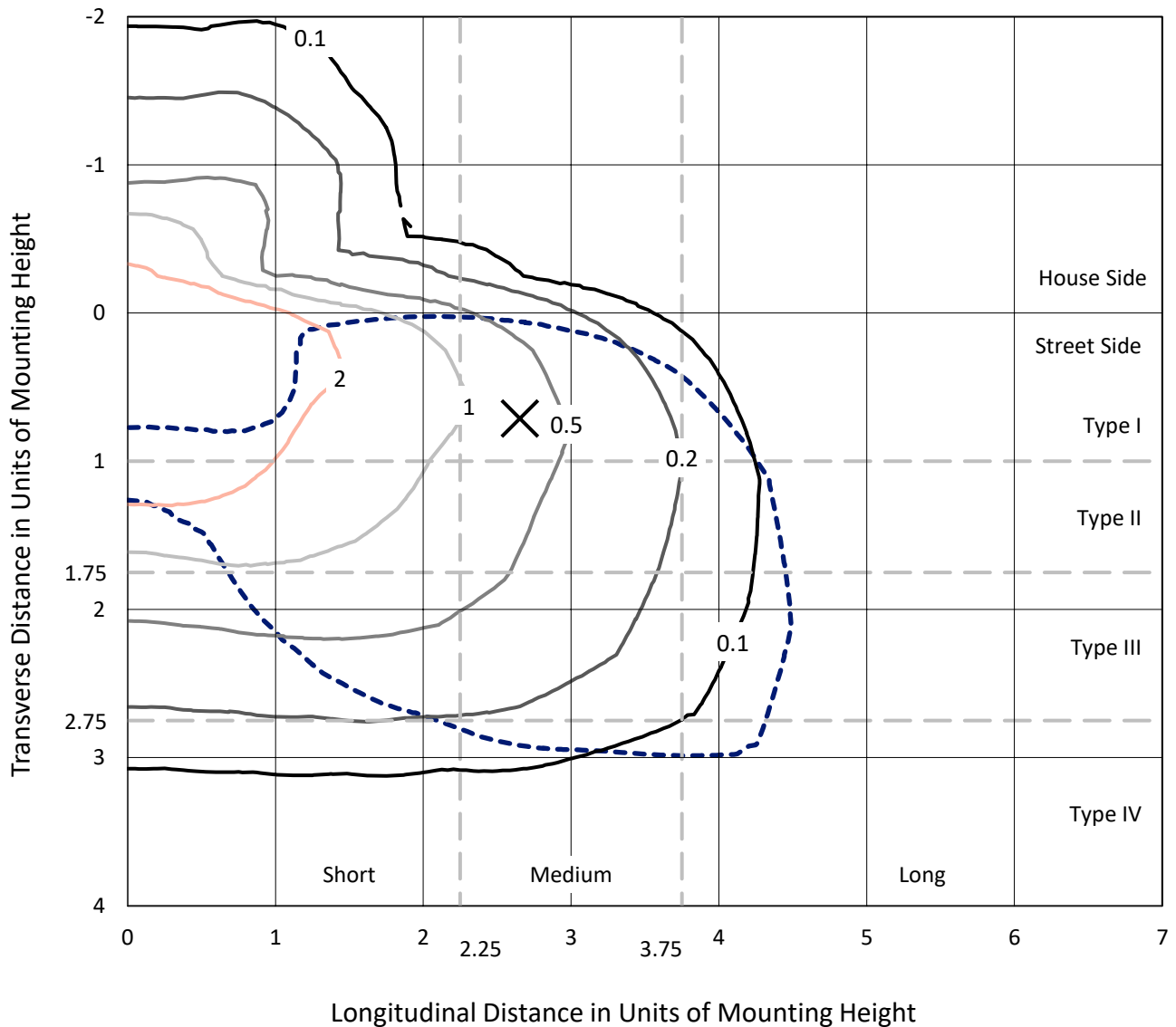
Lumens per Lamp: N/A
Luminaire Lumens: 6055.2 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

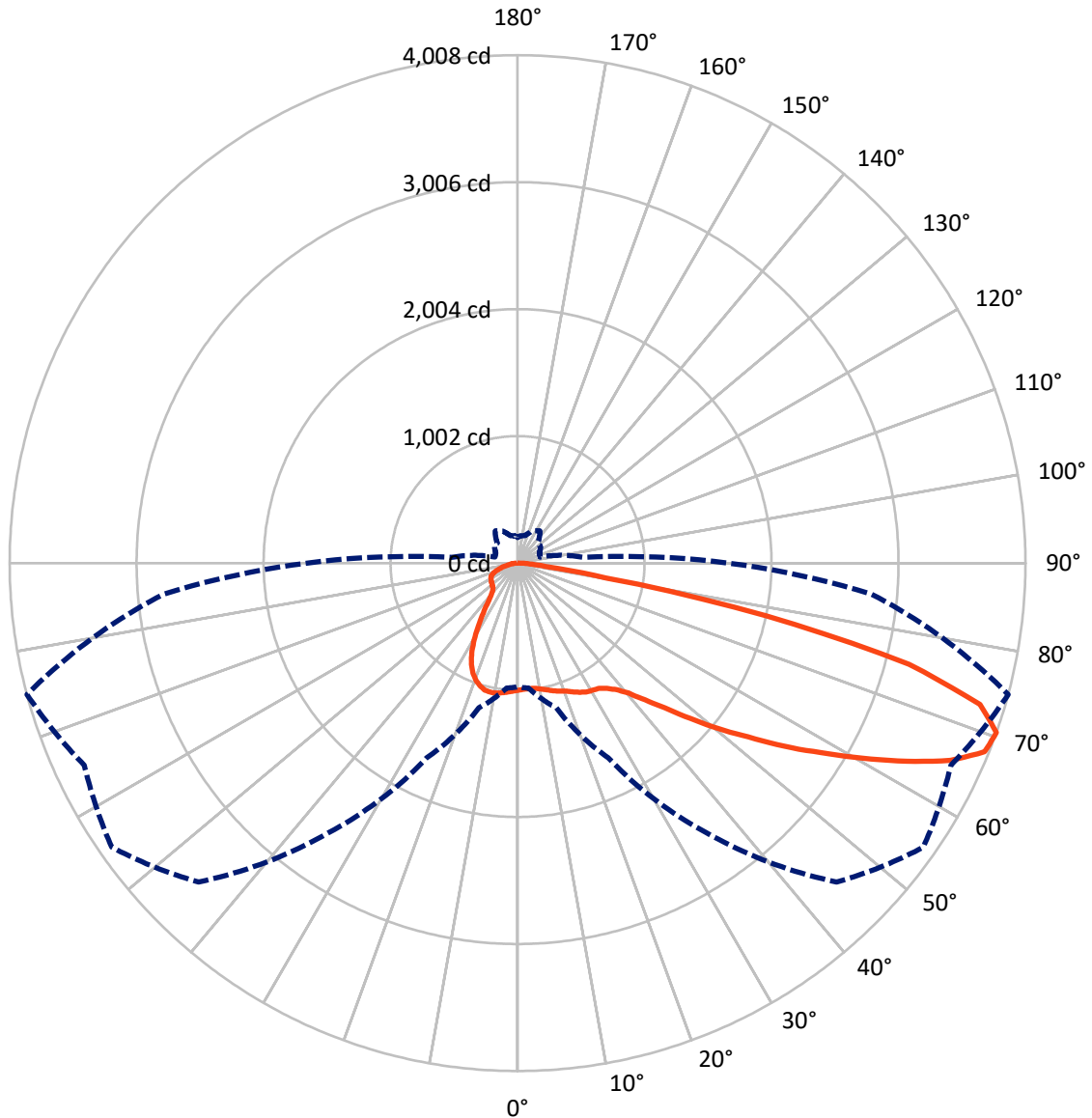
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.6 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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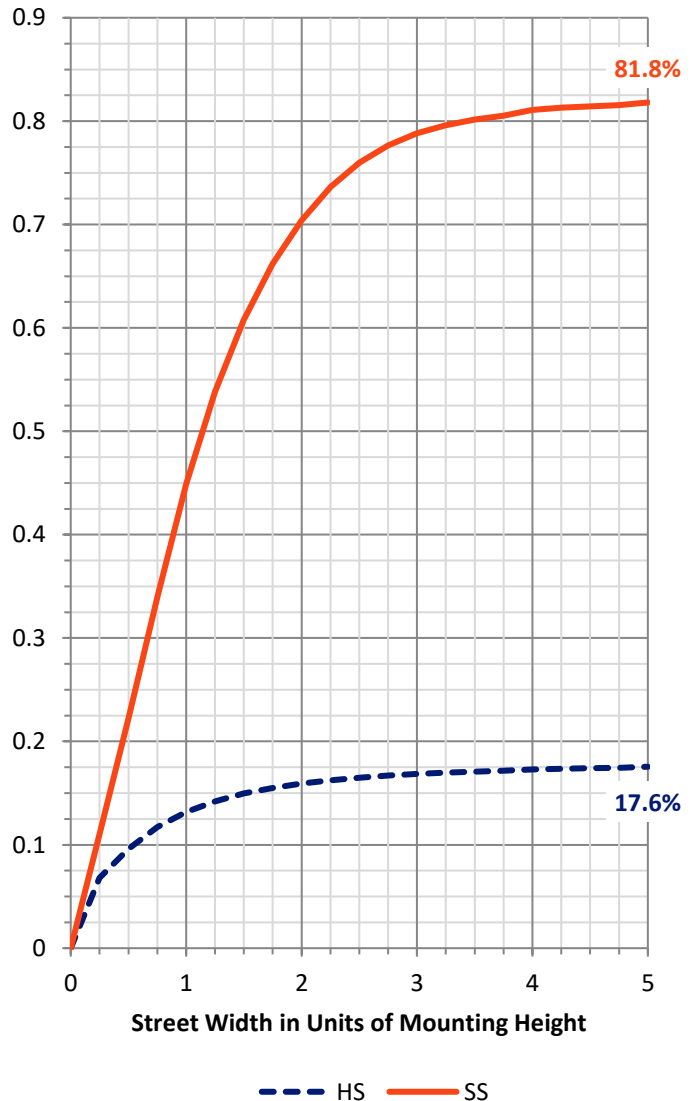
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1077.3	0.0	1077.3
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	4977.9	0.0	4977.9
	% Fixture	82.2	0.0	82.2
Total	Lumens	6055.2	0.0	6055.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	1.5
10°-20°	240.5	4.0
20°-30°	405.1	6.7
30°-40°	615.3	10.2
40°-50°	881.6	14.6
50°-60°	1168.8	19.3
60°-70°	1462.6	24.2
70°-80°	1068.1	17.6
80°-90°	123.2	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°	6055.2	100.0
0°-180°	6055.2	100.0



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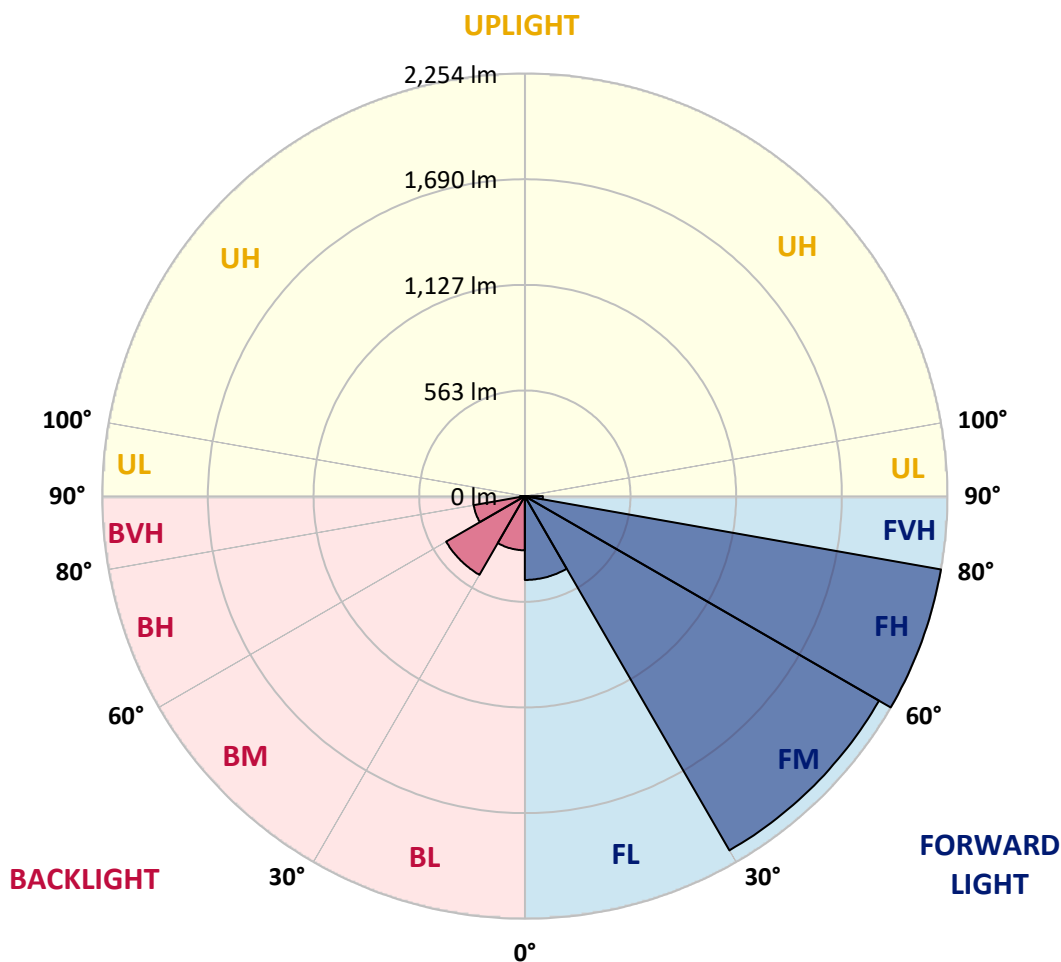
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	446.9	7.4			
FM (30°-60°)	2181.3	36.0			
FH (60°-80°)	2253.6	37.2			G2/5000
FVH (80°-90°)	96.1	1.6			G1/100
BL (0°-30°)	288.8	4.8	B1/500		
BM (30°-60°)	484.4	8.0	B1/1000		
BH (60°-80°)	277.1	4.6	B1/500		G1/500
BVH (80°-90°)	27.1	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°	1003.0	1003.0	1003.0	1003.0	1003.0	1003.0	1003.0	1003.0	1003.0	1003.0	1003.0
2.5°	948.1	953.3	958.1	962.9	966.9	977.3	979.5	990.8	993.9	996.5	1000.0
5°	895.0	898.9	903.7	911.5	919.8	938.5	951.6	976.4	990.4	994.7	1006.9
7.5°	866.2	867.5	874.0	880.6	890.2	908.5	926.3	965.1	993.0	997.8	1023.9
10°	845.3	847.0	853.1	862.3	871.9	888.9	911.1	957.3	1002.6	1010.0	1047.0
12.5°	837.9	837.0	844.0	850.1	863.6	884.9	908.0	957.7	1015.7	1026.1	1080.6
15°	867.5	861.8	866.2	864.0	868.4	889.3	916.7	967.3	1031.8	1044.8	1115.4
17.5°	932.9	928.1	925.0	906.3	894.1	905.9	932.0	980.8	1048.8	1062.7	1146.8
20°	1030.5	1017.0	1005.6	974.3	940.3	936.4	954.7	994.3	1064.9	1078.4	1179.9
22.5°	1141.6	1130.7	1112.4	1057.5	1004.8	978.6	983.4	1019.1	1088.4	1103.2	1217.8
25°	1281.9	1281.4	1244.0	1169.9	1090.2	1037.4	1027.4	1058.8	1115.0	1129.4	1249.2
27.5°	1441.8	1430.9	1386.4	1291.0	1190.8	1110.2	1086.7	1099.3	1136.3	1151.2	1274.5
30°	1578.6	1579.9	1534.6	1430.5	1298.0	1181.2	1136.8	1128.5	1150.3	1165.1	1298.0
32.5°	1725.0	1717.6	1676.2	1569.0	1413.9	1257.5	1169.0	1149.4	1164.7	1178.6	1330.7
35°	1862.7	1854.4	1818.7	1703.2	1541.6	1341.6	1212.6	1182.1	1198.7	1213.9	1370.8
37.5°	1993.8	1995.1	1954.6	1844.4	1665.3	1440.9	1277.1	1231.3	1249.2	1266.2	1431.8
40°	2108.4	2101.9	2070.5	1971.2	1793.8	1542.0	1349.8	1298.4	1333.3	1349.0	1508.9
42.5°	2145.0	2144.6	2156.8	2095.8	1928.9	1662.3	1440.5	1403.0	1452.2	1475.8	1603.4
45°	2113.2	2122.8	2193.4	2191.6	2064.0	1800.4	1564.2	1530.2	1601.3	1627.8	1718.9
47.5°	2081.8	2096.2	2192.1	2246.5	2185.1	1952.4	1716.3	1691.0	1793.0	1831.3	1838.7
50°	2036.1	2049.6	2163.8	2254.4	2259.2	2106.2	1913.2	1881.4	2012.6	2051.8	1969.0
52.5°	1985.1	1995.6	2113.7	2248.7	2294.5	2226.5	2106.2	2097.1	2247.9	2279.7	2101.5
55°	1703.6	1748.1	2040.0	2236.5	2318.9	2318.4	2294.0	2324.1	2504.5	2552.0	2249.2
57.5°	1542.0	1565.5	1832.6	2229.6	2364.6	2403.4	2487.9	2552.4	2778.6	2821.3	2412.1
60°	1489.3	1510.2	1728.5	2221.3	2455.7	2536.3	2677.5	2782.0	3073.1	3125.4	2594.2
62.5°	1441.3	1466.6	1686.2	2155.5	2565.9	2746.7	2903.6	3030.4	3383.8	3445.6	2775.5
65°	1343.7	1361.6	1608.7	2100.1	2670.5	3047.0	3230.0	3304.0	3684.8	3754.6	2895.8
67.5°	1175.1	1192.1	1433.9	1972.9	2738.5	3359.4	3586.8	3587.2	3917.5	3974.6	2921.0
70°	976.9	989.9	1182.1	1695.8	2596.9	3559.8	3908.8	3772.4	3983.3	4008.1	2800.8
72.5°	698.5	709.8	865.8	1253.6	2129.3	3397.3	3982.0	3764.6	3823.8	3816.0	2458.7
75°	430.5	452.3	530.3	765.1	1323.3	2673.1	3583.8	3411.2	3210.8	3189.0	1851.4
77.5°	280.6	291.9	358.6	451.4	583.9	1534.6	2721.9	2557.6	2027.4	2002.1	995.2
80°	168.6	187.4	234.9	283.7	264.5	586.9	1554.2	1270.5	716.3	708.5	305.9
82.5°	90.6	107.6	165.6	175.6	148.6	207.4	562.9	413.1	229.2	226.6	114.6
85°	71.9	80.2	119.0	111.1	84.1	105.0	219.6	172.1	117.6	115.0	43.1
87.5°	43.6	54.9	90.2	74.9	41.8	37.9	100.7	81.5	55.3	51.4	17.0
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°	1003.0	1003.0	1003.0	1003.0	1003.0	1003.0	1003.0	1003.0	1003.0	1003.0	1003.0
2.5°	1006.5	1008.7	1010.9	1006.5	1008.2	1006.1	1006.1	1006.1	1000.4	998.7	1003.9
5°	1016.1	1019.1	1020.9	1007.4	999.1	986.9	976.9	961.6	952.9	947.2	947.2
7.5°	1035.7	1039.2	1031.3	1001.3	972.1	939.4	905.9	878.0	857.9	849.2	851.8
10°	1064.5	1065.8	1039.6	984.3	922.0	861.4	813.9	776.9	752.0	739.4	737.7
12.5°	1098.0	1092.3	1041.4	946.8	854.4	773.0	715.0	667.1	635.3	623.1	617.0
15°	1131.1	1117.6	1034.8	901.9	777.8	679.7	605.6	560.3	540.7	535.1	532.9
17.5°	1160.7	1135.5	1013.0	837.4	688.9	570.8	516.3	500.2	502.4	507.6	509.8
20°	1187.8	1149.0	981.7	760.8	577.8	485.8	472.3	487.1	499.3	507.2	508.5
22.5°	1217.4	1162.1	938.1	667.5	486.7	446.6	462.7	479.7	491.9	499.8	501.1
25°	1240.0	1161.6	876.7	556.8	429.2	436.2	455.3	470.6	479.7	485.4	485.0
27.5°	1254.4	1151.2	796.1	465.8	406.5	428.7	447.0	457.1	462.3	466.7	466.2
30°	1258.8	1131.1	694.5	398.7	396.1	421.8	435.7	441.8	445.7	450.1	450.1
32.5°	1267.5	1100.2	582.6	361.2	388.2	414.8	423.1	427.9	424.8	413.9	411.8
35°	1277.1	1065.8	476.7	343.8	380.8	410.0	417.9	405.2	372.1	367.7	366.0
37.5°	1295.8	1034.0	386.9	331.6	379.1	412.6	419.2	368.6	340.7	327.2	325.0
40°	1327.6	1002.1	326.8	322.9	381.3	424.0	401.7	351.2	305.0	279.3	274.9
42.5°	1369.5	963.4	292.8	318.5	387.4	442.3	395.6	326.4	275.8	258.4	255.8
45°	1417.8	912.0	276.7	317.6	394.8	451.4	397.4	306.3	262.7	249.2	248.4
47.5°	1467.9	861.4	269.7	316.8	403.9	447.5	373.4	300.2	257.5	253.6	256.2
50°	1522.0	803.9	264.0	314.6	411.3	447.5	360.3	298.9	259.3	268.0	276.7
52.5°	1572.5	755.5	257.5	308.1	414.4	439.6	356.4	303.7	261.9	259.7	262.3
55°	1633.9	730.7	254.0	298.9	408.7	415.7	351.6	316.8	264.0	246.2	246.2
57.5°	1704.1	725.5	248.8	286.7	390.4	382.6	351.2	324.6	258.4	241.8	238.8
60°	1788.6	736.8	242.3	271.5	368.2	356.9	348.1	324.6	249.2	234.4	235.7
62.5°	1857.0	735.5	238.3	257.9	338.6	330.3	342.5	320.3	245.7	233.5	233.1
65°	1873.1	707.6	227.0	240.5	302.0	298.0	336.4	309.4	241.0	228.8	225.3
67.5°	1818.7	644.4	210.0	217.4	263.2	263.6	325.5	295.0	234.4	226.1	220.5
70°	1664.0	521.1	184.7	189.5	221.3	227.0	309.4	278.0	223.5	214.8	201.3
72.5°	1392.5	374.7	155.6	156.9	176.0	190.8	281.5	254.9	207.4	186.9	172.5
75°	1030.9	248.8	126.8	125.1	132.0	155.1	240.5	229.2	186.5	155.1	147.7
77.5°	545.1	147.3	97.6	98.0	93.7	119.0	190.8	199.1	165.6	130.7	123.3
80°	186.5	88.5	70.2	73.2	66.2	85.0	141.6	165.6	141.6	108.9	96.3
82.5°	85.4	54.0	50.1	52.3	47.5	57.5	97.2	125.5	112.9	79.3	64.1
85°	43.1	32.2	32.2	35.3	31.4	29.6	53.6	83.2	82.8	54.5	47.1
87.5°	17.9	15.7	14.8	17.0	14.8	11.3	15.3	30.1	43.6	32.7	20.9
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)