

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: P677102

Luminaire Tested: **CCW-SA-2C-722-U-SL4-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677102
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-722-U-SL4-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL4 distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

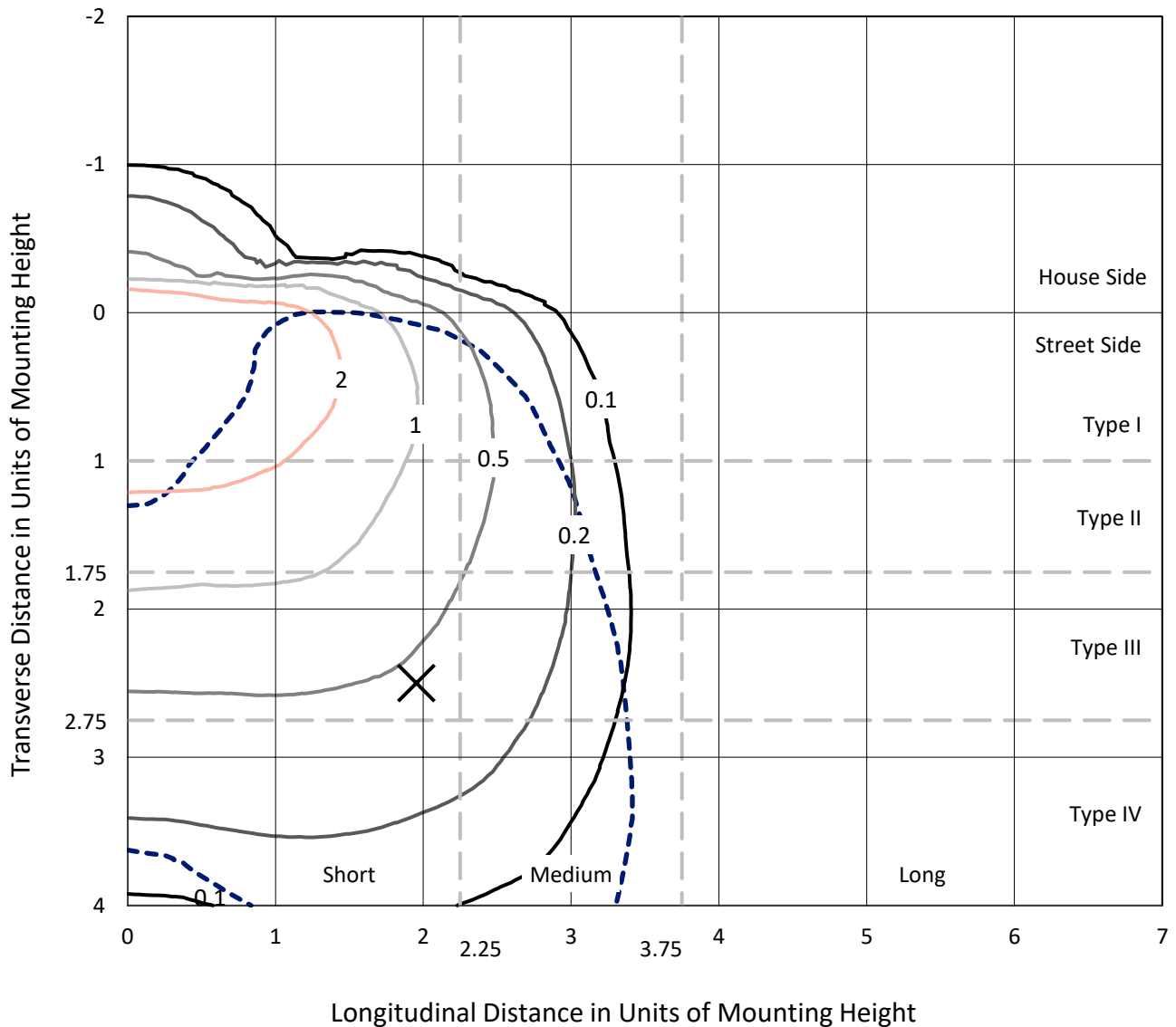
Lumens per Lamp: N/A
Luminaire Lumens: 5501.3 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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: P677102
 CATALOG NUMBER: CCW-SA-2C-722-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination

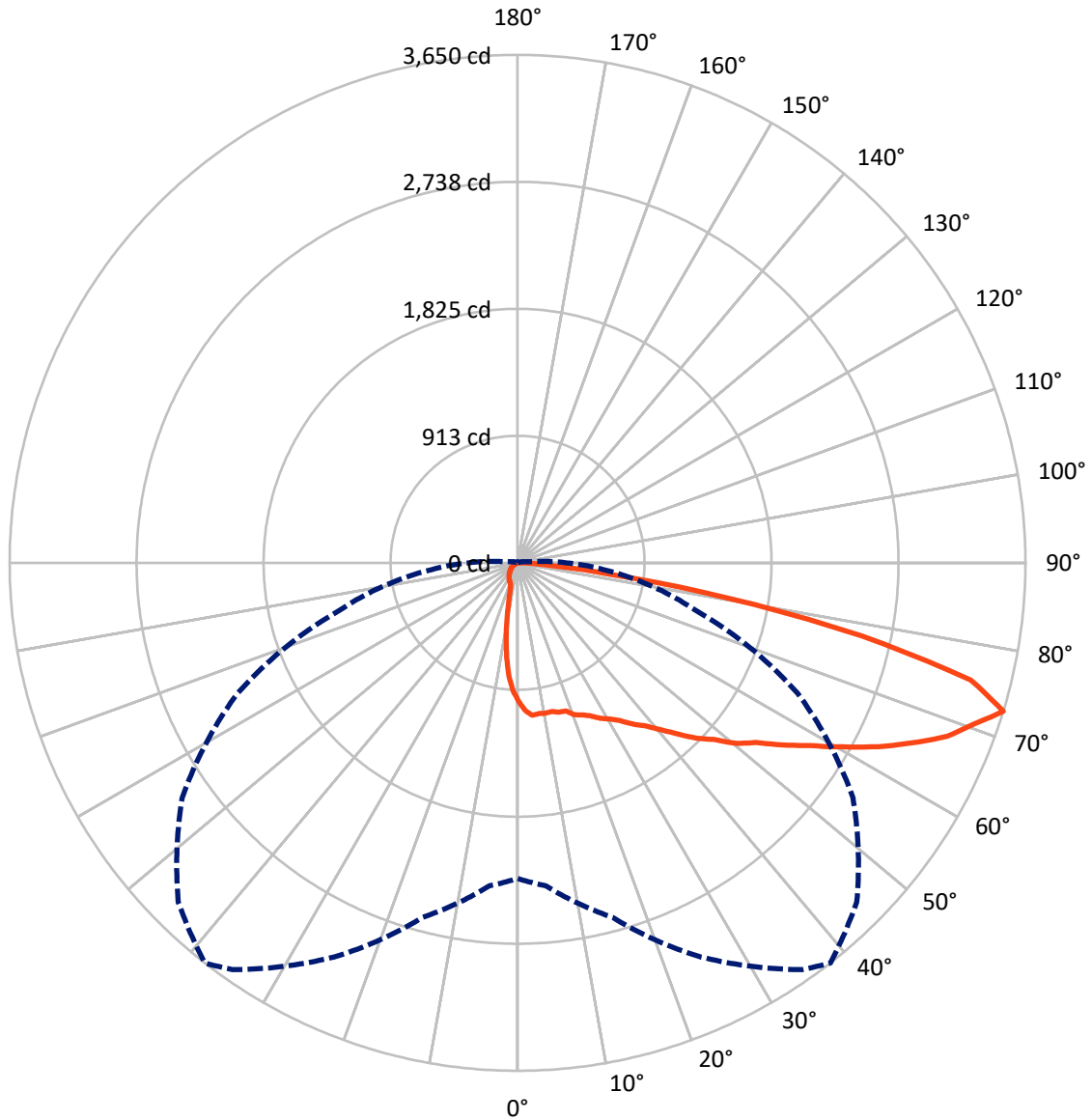
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P677102
CATALOG NUMBER: CCW-SA-2C-722-U-SL4-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P677102
 CATALOG NUMBER: CCW-SA-2C-722-U-SL4-HSS

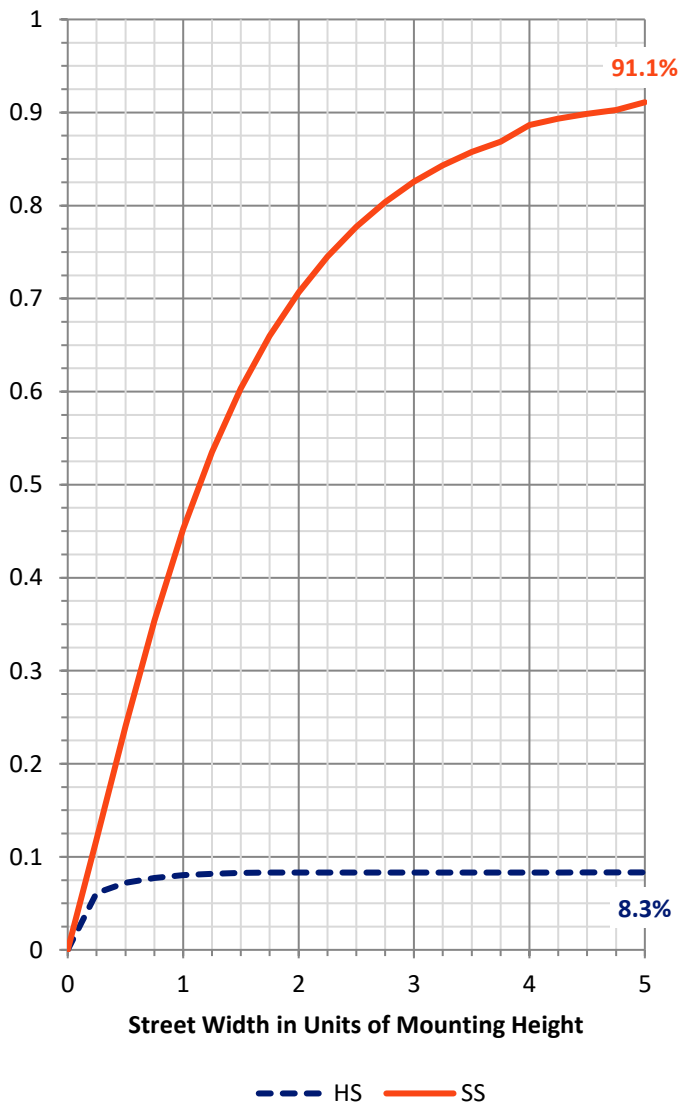
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	460.7	0.0	460.7
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	5040.6	0.0	5040.6
	% Fixture	91.6	0.0	91.6
Total	Lumens	5501.3	0.0	5501.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.1	1.6
10°-20°	213.2	3.9
20°-30°	341.8	6.2
30°-40°	516.0	9.4
40°-50°	785.4	14.3
50°-60°	1105.7	20.1
60°-70°	1350.6	24.6
70°-80°	980.7	17.8
80°-90°	120.8	2.2
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°	5501.3	100.0
0°-180°	5501.3	100.0

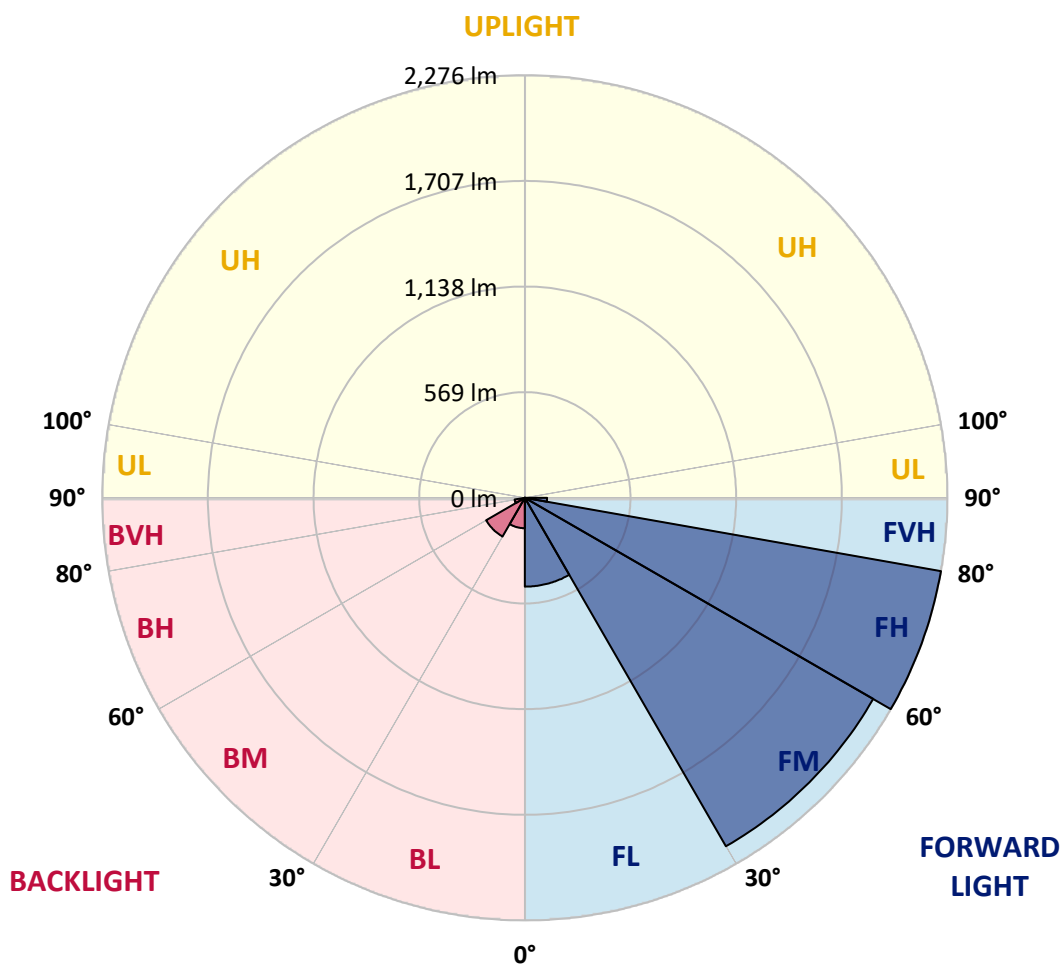


REPORT NUMBER: P677102
 CATALOG NUMBER: CCW-SA-2C-722-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	478.5	8.7			
FM (30°-60°)	2166.4	39.4			
FH (60°-80°)	2275.5	41.4			G2/5000
FVH (80°-90°)	120.2	2.2			G2/225
BL (0°-30°)	163.6	3.0	B1/500		
BM (30°-60°)	240.7	4.4	B1/1000		
BH (60°-80°)	55.9	1.0	B0/110		G0/110
BVH (80°-90°)	0.6	0.0			G0/10
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 Short





REPORT NUMBER: P677102

CATALOG NUMBER: CCW-SA-2C-722-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9
2.5°	1092.9	1092.9	1103.2	1092.9	1089.0	1064.5	1065.8	1052.9	1040.0	1022.0	1005.2
5°	1105.8	1114.9	1121.3	1112.3	1098.1	1100.7	1109.7	1085.2	1050.3	1028.4	991.0
7.5°	1100.7	1120.0	1114.9	1109.7	1100.7	1094.2	1081.3	1071.0	1054.2	1033.6	989.7
10°	1096.8	1103.2	1104.5	1100.7	1081.3	1099.4	1085.2	1068.4	1047.8	1023.2	969.0
12.5°	1082.6	1082.6	1094.2	1085.2	1087.8	1096.8	1090.3	1086.5	1064.5	1043.9	996.1
15°	1067.1	1072.3	1090.3	1104.5	1117.4	1113.6	1109.7	1098.1	1078.7	1055.5	1005.2
17.5°	1071.0	1073.6	1102.0	1127.8	1121.3	1118.7	1139.4	1114.9	1095.5	1069.7	1012.9
20°	1085.2	1092.9	1125.2	1158.7	1165.2	1165.2	1157.4	1143.2	1116.1	1081.3	1027.1
22.5°	1099.4	1102.0	1154.9	1197.4	1203.9	1187.1	1193.6	1152.3	1126.5	1107.1	1041.3
25°	1153.6	1148.4	1205.2	1238.7	1234.9	1218.1	1211.6	1175.5	1165.2	1130.3	1072.3
27.5°	1227.1	1205.2	1260.7	1281.3	1260.7	1265.8	1247.8	1209.1	1187.1	1166.5	1086.5
30°	1272.3	1285.2	1314.9	1335.5	1300.7	1302.0	1292.9	1250.3	1216.8	1222.0	1134.2
32.5°	1342.0	1351.0	1372.9	1382.0	1354.9	1352.3	1343.2	1309.7	1285.2	1280.0	1198.7
35°	1416.8	1433.6	1434.9	1437.4	1412.9	1423.2	1410.3	1362.6	1375.5	1384.5	1276.1
37.5°	1490.3	1474.9	1500.7	1512.3	1485.2	1485.2	1489.1	1456.8	1480.0	1507.1	1385.8
40°	1518.7	1525.2	1570.3	1561.3	1593.6	1574.2	1588.4	1580.7	1600.0	1662.0	1540.7
42.5°	1548.4	1556.2	1616.8	1633.6	1672.3	1678.7	1699.4	1700.7	1757.4	1859.4	1689.1
45°	1605.2	1592.3	1674.9	1716.2	1779.4	1797.4	1822.0	1842.6	1931.6	2051.6	1858.1
47.5°	1656.8	1638.7	1732.9	1815.5	1892.9	1896.8	1963.9	1985.8	2091.6	2228.4	2025.8
50°	1729.1	1735.5	1775.5	1917.4	1996.2	2041.3	2087.8	2160.0	2277.5	2423.3	2147.1
52.5°	1803.9	1797.4	1864.5	2003.9	2127.8	2144.5	2249.1	2330.4	2458.1	2567.8	2201.3
55°	1895.5	1903.3	1929.1	2112.3	2269.7	2309.7	2427.1	2512.3	2651.7	2629.7	2219.4
57.5°	1987.1	1979.4	2037.5	2233.6	2447.8	2477.5	2633.6	2683.9	2778.1	2671.0	2174.2
60°	2077.5	2091.6	2116.2	2370.4	2642.6	2686.5	2810.4	2836.2	2856.8	2690.4	2139.4
62.5°	2180.7	2147.1	2223.3	2514.9	2818.1	2909.7	3007.8	2905.9	2887.8	2655.5	2059.4
65°	2232.3	2242.6	2342.0	2680.0	3051.7	3118.8	3131.7	3000.0	2907.1	2578.1	1984.5
67.5°	2312.3	2326.5	2452.9	2849.1	3291.7	3329.1	3282.6	3085.2	2890.4	2477.5	1714.9
70°	2322.6	2357.5	2601.3	3025.9	3442.6	3474.9	3438.8	3142.0	2754.9	2081.3	1269.7
72.5°	2268.4	2330.4	2637.5	3126.5	3569.1	3650.4	3447.8	2942.0	2220.7	1327.8	650.3
75°	1713.6	1765.2	2414.2	2976.8	3344.6	3363.9	3027.1	2245.2	1264.5	452.9	166.5
77.5°	887.8	976.8	1611.6	2274.9	2548.4	2527.8	2107.1	1322.6	434.8	118.7	67.1
80°	509.7	531.6	704.5	1277.4	1602.6	1523.9	1165.2	570.3	191.0	59.4	43.9
82.5°	251.6	282.6	379.4	571.6	801.3	659.4	437.4	341.9	107.1	32.3	38.7
85°	54.2	56.8	193.6	273.6	325.2	214.2	149.7	287.7	38.7	19.4	37.4
87.5°	38.7	37.4	54.2	122.6	90.3	55.5	89.0	151.0	9.0	9.0	7.7
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: P677102
 CATALOG NUMBER: CCW-SA-2C-722-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9	994.9
2.5°	994.9	983.2	970.3	945.8	939.4	935.5	913.6	912.3	908.4	899.4	895.5
5°	967.8	948.4	923.9	898.1	877.4	840.0	794.9	771.6	743.2	744.5	735.5
7.5°	963.9	927.8	892.9	838.7	772.9	703.2	633.6	588.4	556.1	536.8	540.7
10°	945.8	918.7	861.9	761.3	655.5	549.7	460.7	393.6	354.8	325.2	334.2
12.5°	953.6	900.7	820.7	686.5	535.5	405.2	294.2	229.7	201.3	191.0	193.6
15°	948.4	900.7	796.1	605.2	420.7	274.8	191.0	170.3	165.2	165.2	162.6
17.5°	963.9	911.0	754.9	525.2	301.9	183.2	163.9	160.0	156.1	156.1	156.1
20°	985.8	916.1	726.5	436.1	212.9	161.3	153.6	151.0	149.7	149.7	148.4
22.5°	987.1	911.0	673.6	338.1	163.9	152.3	145.8	144.5	144.5	141.9	141.9
25°	994.9	916.1	616.8	254.2	152.3	143.2	138.1	136.8	138.1	136.8	135.5
27.5°	1014.2	925.2	560.0	185.8	143.2	135.5	131.6	130.3	130.3	130.3	127.7
30°	1038.7	925.2	496.8	153.6	135.5	127.7	123.9	122.6	121.3	121.3	121.3
32.5°	1090.3	954.9	419.4	136.8	125.2	118.7	114.8	114.8	113.6	113.6	112.3
35°	1154.9	975.5	340.7	126.5	116.1	109.7	105.8	105.8	104.5	104.5	103.2
37.5°	1234.9	1027.1	260.6	118.7	107.1	100.6	96.8	96.8	96.8	95.5	95.5
40°	1348.4	1080.0	193.6	108.4	98.1	91.6	89.0	87.7	86.5	86.5	83.9
42.5°	1469.7	1161.3	144.5	100.6	90.3	85.2	81.3	77.4	77.4	73.5	73.5
45°	1601.3	1232.3	117.4	91.6	82.6	76.1	72.3	69.7	65.8	63.2	63.2
47.5°	1730.3	1276.1	103.2	81.3	74.8	69.7	65.8	60.6	55.5	54.2	52.9
50°	1834.9	1289.1	91.6	73.5	68.4	63.2	58.1	51.6	46.5	43.9	42.6
52.5°	1834.9	1218.1	82.6	65.8	61.9	56.8	50.3	42.6	36.1	33.5	32.3
55°	1834.9	1105.8	73.5	60.6	55.5	51.6	42.6	34.8	28.4	24.5	23.2
57.5°	1807.8	970.3	65.8	54.2	49.0	43.9	36.1	27.1	20.6	16.8	16.8
60°	1732.9	828.4	56.8	47.7	42.6	36.1	28.4	19.4	12.9	9.0	9.0
62.5°	1637.4	659.4	49.0	40.0	34.8	29.7	21.9	12.9	5.2	2.6	2.6
65°	1471.0	486.5	42.6	33.5	27.1	21.9	14.2	5.2	0.0	0.0	0.0
67.5°	1214.2	325.2	33.5	27.1	23.2	15.5	9.0	1.3	0.0	0.0	0.0
70°	854.2	184.5	25.8	19.4	16.8	10.3	2.6	0.0	0.0	0.0	0.0
72.5°	351.0	81.3	18.1	14.2	11.6	5.2	0.0	0.0	0.0	0.0	0.0
75°	95.5	36.1	11.6	7.7	6.5	1.3	0.0	0.0	0.0	0.0	0.0
77.5°	55.5	24.5	5.2	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	43.9	11.6	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	43.9	6.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	37.4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)