

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: P676954

Luminaire Tested: **CCW-SA-1E-722-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676954
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-722-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

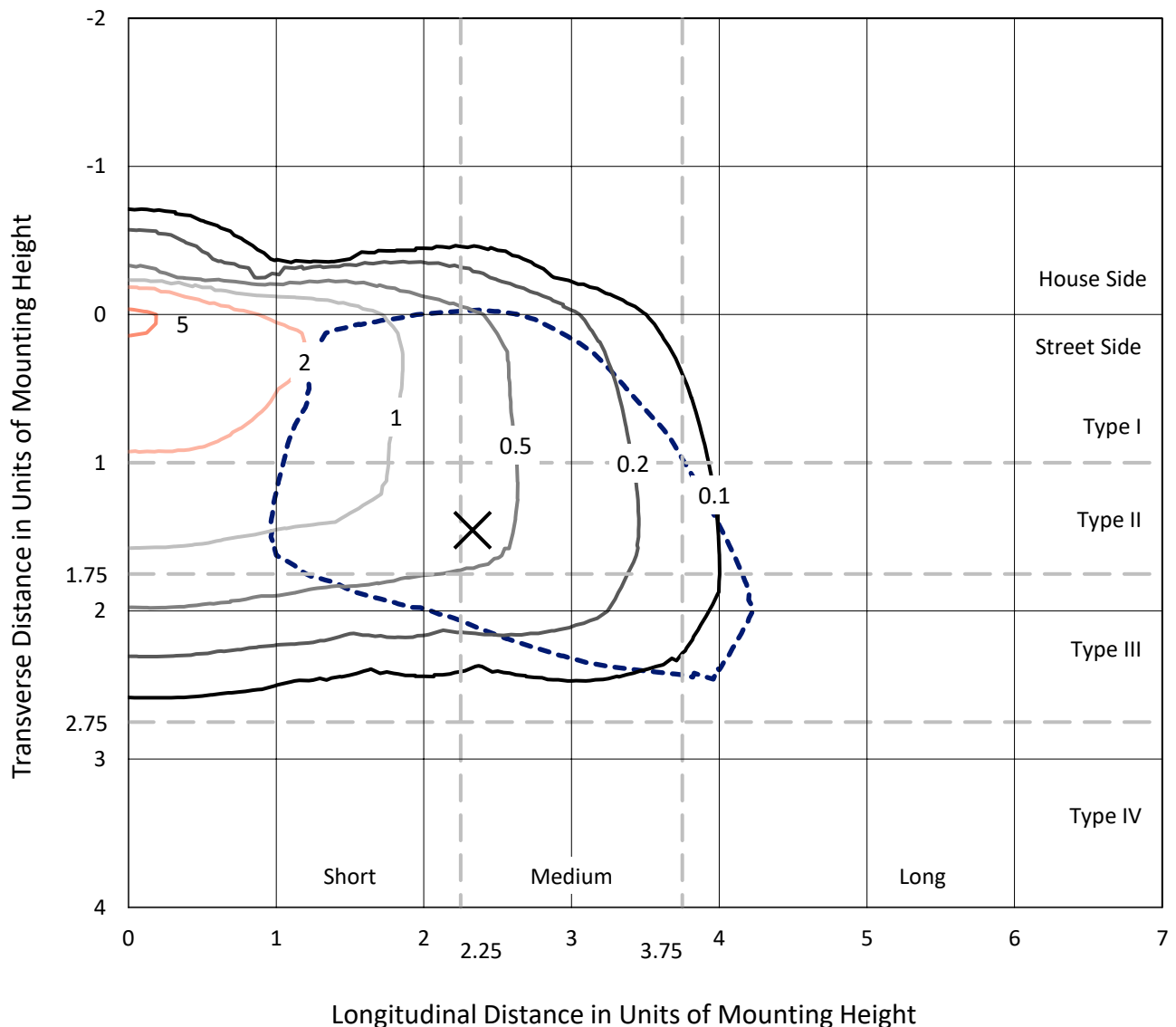
Lumens per Lamp: N/A
Luminaire Lumens: 4161.6 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1
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

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Iso-Footcandle Lines of Horizontal Illumination

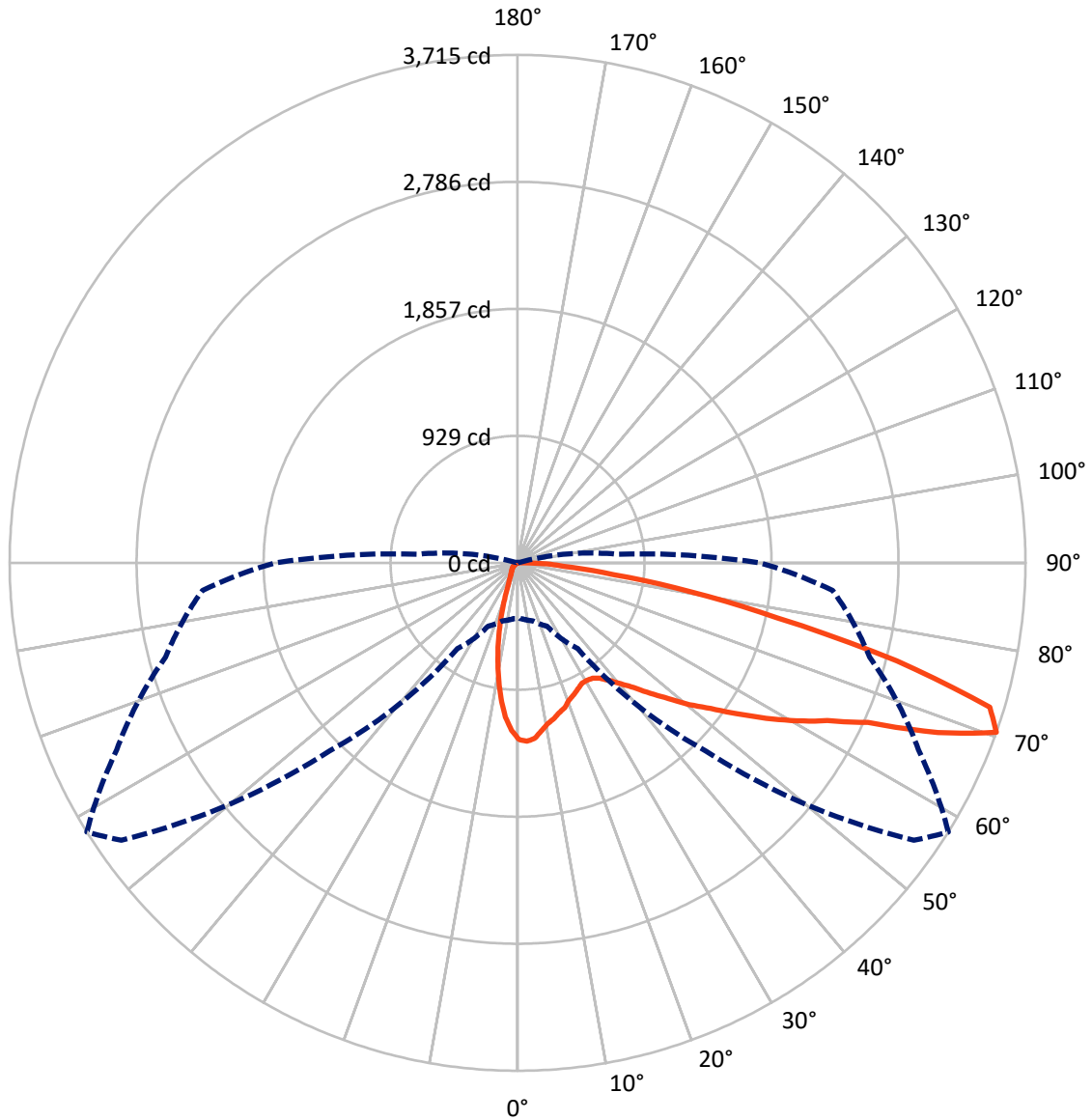
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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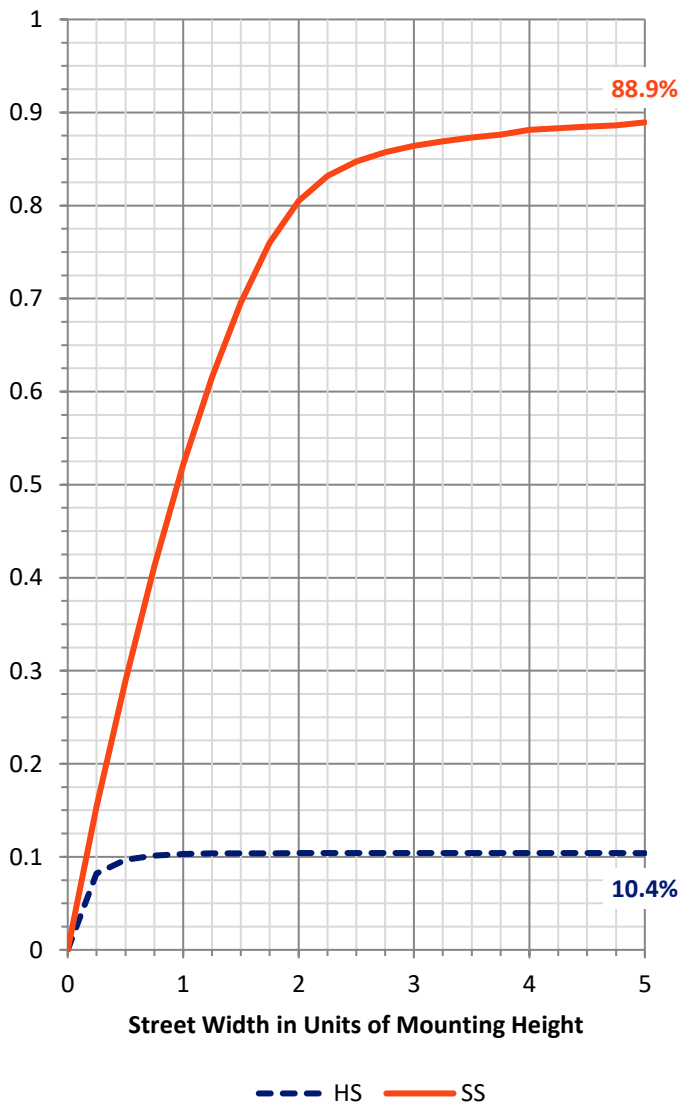
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	435.8	0.0	435.8
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	3725.8	0.0	3725.8
	% Fixture	89.5	0.0	89.5
Total	Lumens	4161.6	0.0	4161.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.4	2.5
10°-20°	219.5	5.3
20°-30°	293.8	7.1
30°-40°	397.2	9.5
40°-50°	570.1	13.7
50°-60°	840.1	20.2
60°-70°	1024.7	24.6
70°-80°	625.8	15.0
80°-90°	85.0	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°	4161.6	100.0
0°-180°	4161.6	100.0

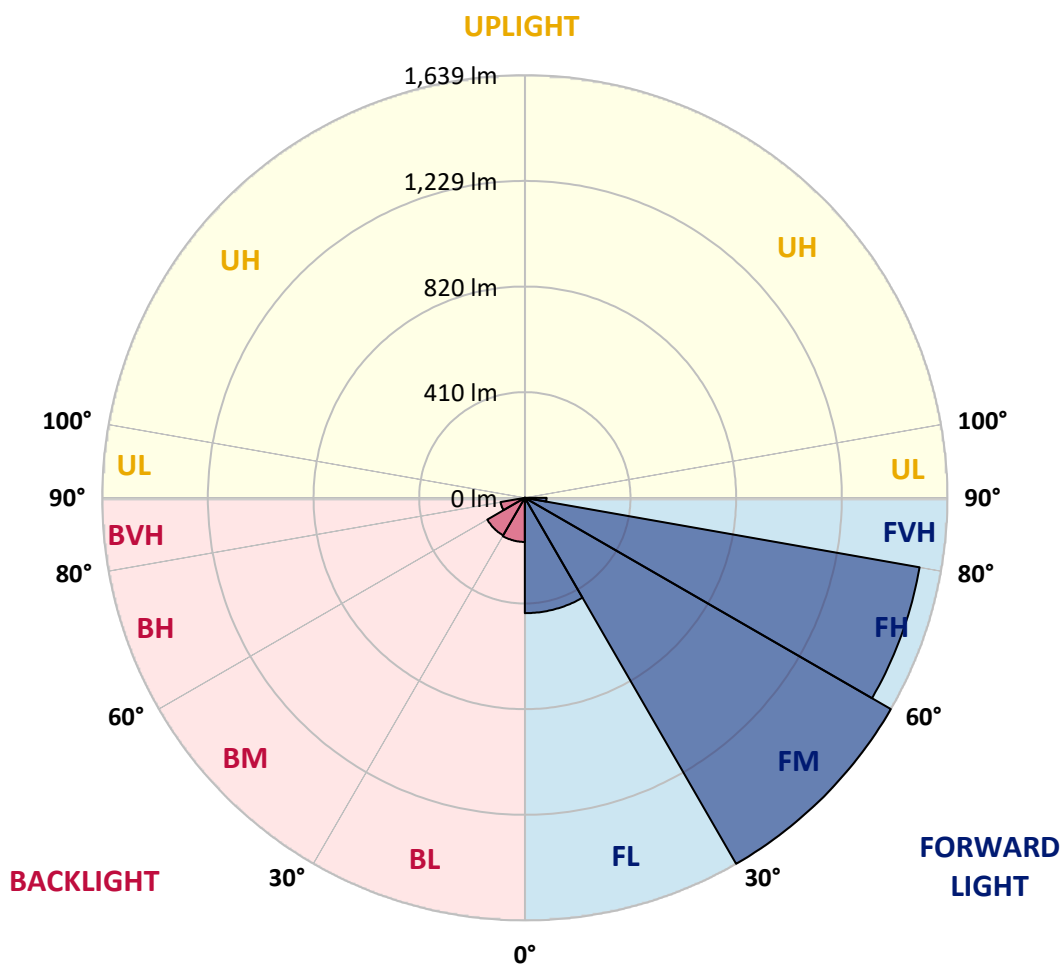


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	447.4	10.8			
FM (30°-60°)	1639.2	39.4			
FH (60°-80°)	1555.0	37.4			G1/1800
FVH (80°-90°)	84.2	2.0			G1/100
BL (0°-30°)	171.3	4.1	B1/500		
BM (30°-60°)	168.2	4.0	B0/220		
BH (60°-80°)	95.5	2.3	B0/110		G0/110
BVH (80°-90°)	0.8	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-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1291.9	1291.9	1291.9	1291.9	1291.9	1291.9	1291.9	1291.9	1291.9	1291.9	1291.9
2.5°	1315.3	1320.2	1308.5	1322.1	1309.5	1315.3	1308.5	1306.5	1307.5	1308.5	1300.7
5°	1253.8	1265.5	1270.4	1262.6	1281.2	1278.2	1289.9	1290.9	1286.0	1281.2	1282.1
7.5°	1172.8	1184.6	1189.4	1194.3	1212.9	1237.2	1252.9	1243.1	1250.9	1268.5	1242.1
10°	1114.3	1111.4	1110.4	1120.2	1155.3	1175.8	1202.1	1199.2	1218.7	1235.3	1213.8
12.5°	1042.1	1036.2	1053.8	1061.6	1092.8	1128.9	1149.4	1170.9	1190.4	1208.0	1183.6
15°	988.4	993.3	1000.1	1016.7	1039.2	1087.0	1117.2	1137.7	1172.8	1181.6	1171.9
17.5°	945.5	949.4	959.2	967.9	996.2	1042.1	1089.9	1114.3	1151.4	1174.8	1144.6
20°	946.5	934.8	934.8	943.5	959.2	1013.8	1064.5	1072.3	1123.1	1163.1	1142.6
22.5°	947.5	943.5	934.8	933.8	940.6	979.6	1031.4	1048.9	1103.6	1150.4	1126.0
25°	961.1	946.5	947.5	933.8	936.7	956.2	997.2	1023.6	1086.0	1157.2	1117.2
27.5°	972.8	979.6	966.0	960.1	943.5	942.6	976.7	999.2	1077.2	1172.8	1123.1
30°	999.2	1004.0	1004.0	1000.1	984.5	962.1	969.9	998.2	1059.7	1169.9	1113.3
32.5°	1043.1	1034.3	1046.0	1040.1	1019.7	984.5	991.4	1006.0	1070.4	1207.0	1128.9
35°	1057.7	1064.5	1080.2	1067.5	1060.6	1040.1	1026.5	1037.2	1086.0	1244.1	1152.4
37.5°	1102.6	1092.8	1103.6	1131.9	1138.7	1101.6	1075.3	1090.9	1144.6	1288.0	1173.8
40°	1106.5	1114.3	1133.8	1189.4	1196.3	1180.7	1159.2	1163.1	1203.1	1344.6	1227.5
42.5°	1126.0	1134.8	1174.8	1221.6	1258.7	1261.6	1246.0	1246.0	1280.2	1435.3	1287.0
45°	1164.1	1149.4	1201.1	1280.2	1333.8	1344.6	1365.1	1360.2	1387.5	1530.9	1398.2
47.5°	1178.7	1183.6	1240.2	1335.8	1397.3	1447.0	1481.2	1482.2	1495.8	1652.9	1542.7
50°	1226.5	1225.5	1293.8	1382.6	1473.4	1564.1	1630.5	1630.5	1629.5	1772.0	1666.6
52.5°	1289.9	1288.0	1340.7	1446.1	1564.1	1678.3	1766.1	1769.0	1791.5	1918.3	1809.0
55°	1393.4	1384.6	1435.3	1513.4	1654.9	1793.4	1945.6	1946.6	1929.1	2022.7	1911.5
57.5°	1480.2	1479.2	1521.2	1596.3	1756.3	1941.7	2118.3	2144.7	2089.1	2130.1	1993.5
60°	1457.8	1470.5	1557.3	1668.5	1863.7	2127.1	2304.7	2345.7	2256.9	2203.2	2054.9
62.5°	1318.2	1347.5	1442.2	1619.7	1954.4	2396.4	2561.3	2542.8	2344.7	2265.7	2130.1
65°	948.4	977.7	1094.8	1361.2	1849.0	2586.7	2898.9	2815.0	2500.8	2358.4	2230.6
67.5°	558.1	569.8	643.0	868.4	1382.6	2483.3	3308.8	3315.6	2808.2	2500.8	2404.2
70°	403.0	411.8	440.1	512.3	766.0	1946.6	3537.1	3714.7	3234.6	2664.8	2312.5
72.5°	309.3	309.3	357.1	426.4	487.9	1166.0	3255.1	3611.2	3327.3	2507.7	1863.7
75°	222.5	228.3	280.0	366.9	449.8	585.4	2398.4	2865.8	2819.9	2032.5	1301.6
77.5°	127.8	130.8	197.1	307.4	422.5	402.0	1482.2	1942.7	1997.4	1272.4	564.0
80°	65.4	67.3	110.3	243.0	382.5	350.3	884.0	1279.2	1085.0	369.8	130.8
82.5°	32.2	32.2	49.8	155.1	324.9	310.3	520.1	706.4	384.4	84.9	54.6
85°	10.7	11.7	22.4	87.8	235.2	187.3	318.1	335.7	128.8	32.2	30.2
87.5°	2.9	3.9	5.9	32.2	102.5	122.9	189.3	214.7	52.7	12.7	14.6
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°	1291.9	1291.9	1291.9	1291.9	1291.9	1291.9	1291.9	1291.9	1291.9	1291.9	1291.9
2.5°	1271.4	1264.6	1256.8	1237.2	1221.6	1201.1	1187.5	1176.8	1156.3	1160.2	1151.4
5°	1258.7	1246.0	1201.1	1158.2	1119.2	1059.7	1018.7	992.3	970.9	949.4	965.0
7.5°	1236.3	1206.0	1135.8	1055.8	972.8	894.8	816.7	769.9	735.7	704.5	703.5
10°	1198.2	1149.4	1039.2	934.8	806.9	704.5	605.0	526.9	476.2	439.1	438.1
12.5°	1155.3	1104.5	966.0	796.2	648.9	504.5	385.4	302.5	254.7	225.4	221.5
15°	1128.0	1053.8	874.3	673.3	490.8	328.8	213.7	162.0	143.4	136.6	136.6
17.5°	1092.8	1007.9	783.5	545.4	340.5	190.3	138.6	124.9	123.9	122.0	120.0
20°	1078.2	972.8	702.5	435.2	215.6	134.7	119.0	116.1	116.1	114.2	112.2
22.5°	1039.2	922.1	616.7	319.1	143.4	118.1	112.2	108.3	106.4	104.4	106.4
25°	1021.6	886.0	535.7	220.5	117.1	105.4	102.5	98.6	95.6	94.6	94.6
27.5°	1009.9	849.9	456.6	153.2	103.4	96.6	90.7	87.8	83.9	80.0	80.0
30°	1001.1	821.6	380.5	113.2	92.7	85.9	81.0	74.2	69.3	65.4	65.4
32.5°	989.4	788.4	304.4	96.6	83.9	77.1	68.3	62.4	55.6	52.7	52.7
35°	993.3	766.0	239.1	85.9	75.1	66.4	58.5	50.7	43.9	41.0	40.0
37.5°	1001.1	749.4	181.5	77.1	67.3	57.6	48.8	40.0	36.1	32.2	32.2
40°	1034.3	744.5	133.7	71.2	61.5	50.7	41.0	33.2	29.3	26.3	25.4
42.5°	1089.9	751.3	103.4	64.4	55.6	42.9	34.2	27.3	23.4	20.5	19.5
45°	1161.1	777.7	84.9	60.5	48.8	36.1	27.3	22.4	17.6	15.6	15.6
47.5°	1264.6	818.7	74.2	55.6	42.9	30.2	23.4	17.6	13.7	11.7	11.7
50°	1381.7	865.5	65.4	49.8	37.1	25.4	18.5	13.7	9.8	8.8	8.8
52.5°	1498.7	925.0	60.5	45.9	32.2	20.5	14.6	9.8	6.8	5.9	5.9
55°	1621.7	977.7	54.6	42.9	26.3	16.6	10.7	5.9	3.9	2.9	2.9
57.5°	1707.6	998.2	47.8	37.1	20.5	12.7	7.8	3.9	2.0	1.0	1.0
60°	1769.0	1001.1	41.0	30.2	15.6	9.8	4.9	2.0	1.0	0.0	0.0
62.5°	1820.7	1007.0	35.1	23.4	11.7	6.8	2.9	1.0	0.0	0.0	0.0
65°	1923.2	1002.1	28.3	18.5	7.8	3.9	2.0	0.0	0.0	0.0	0.0
67.5°	2004.2	953.3	22.4	12.7	4.9	2.0	1.0	0.0	0.0	0.0	0.0
70°	1772.9	726.9	17.6	8.8	2.9	1.0	0.0	0.0	0.0	0.0	0.0
72.5°	1392.4	484.9	11.7	4.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0
75°	913.3	241.0	8.8	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	355.2	63.4	5.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	85.9	21.5	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	37.1	7.8	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	22.4	3.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.7	2.0	1.0	1.0	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)