

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: P674405

Luminaire Tested: **CCP-SA-1C-735-U-AFL-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674405  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-735-U-AFL-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ AFL distribution lens and House Side Shield  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

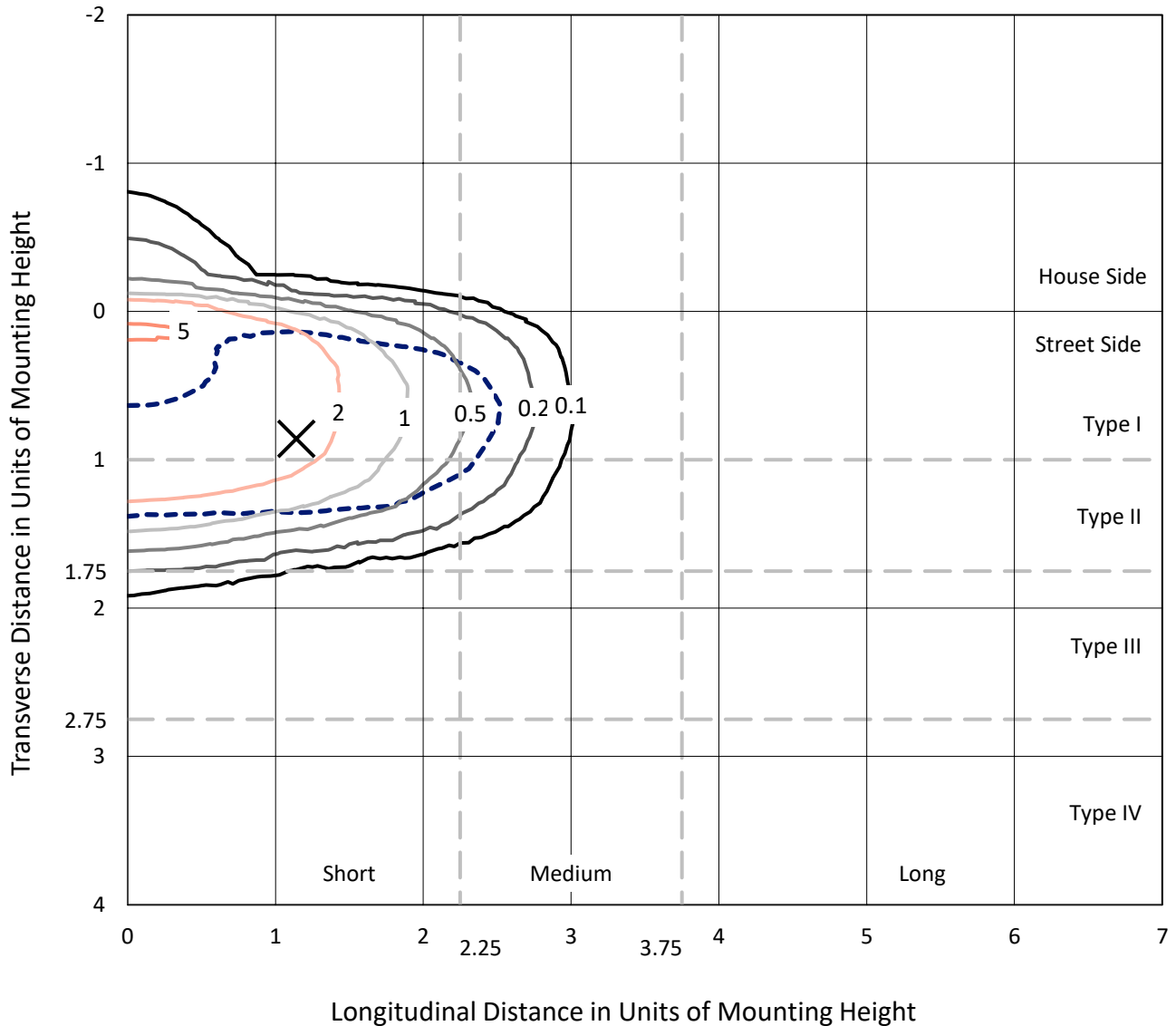
Lumens per Lamp: N/A  
Luminaire Lumens: 3697.9 lumens  
Efficiency: N/A  
Efficacy: 115.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G0

Input Watts (W): 32  
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

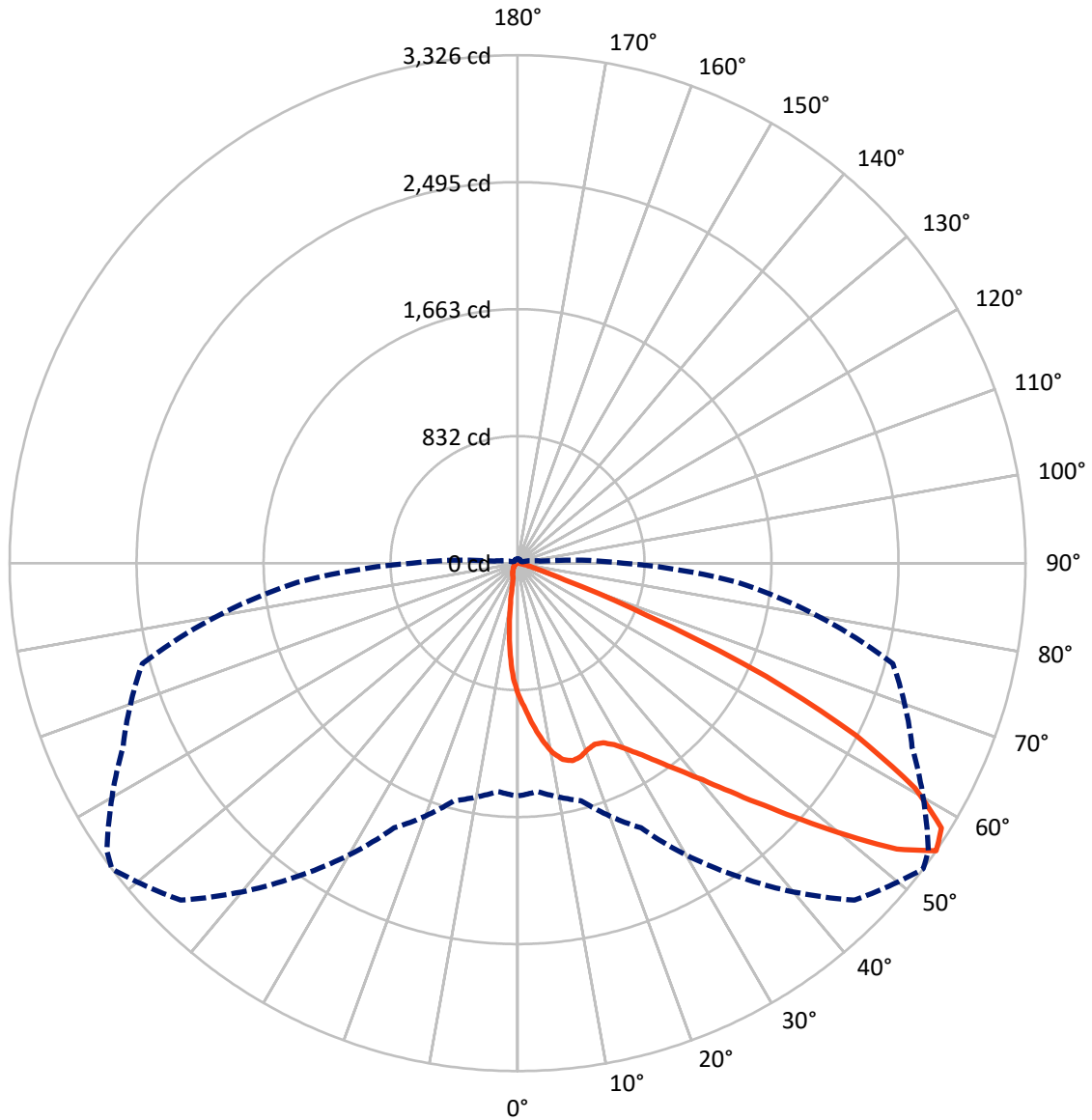
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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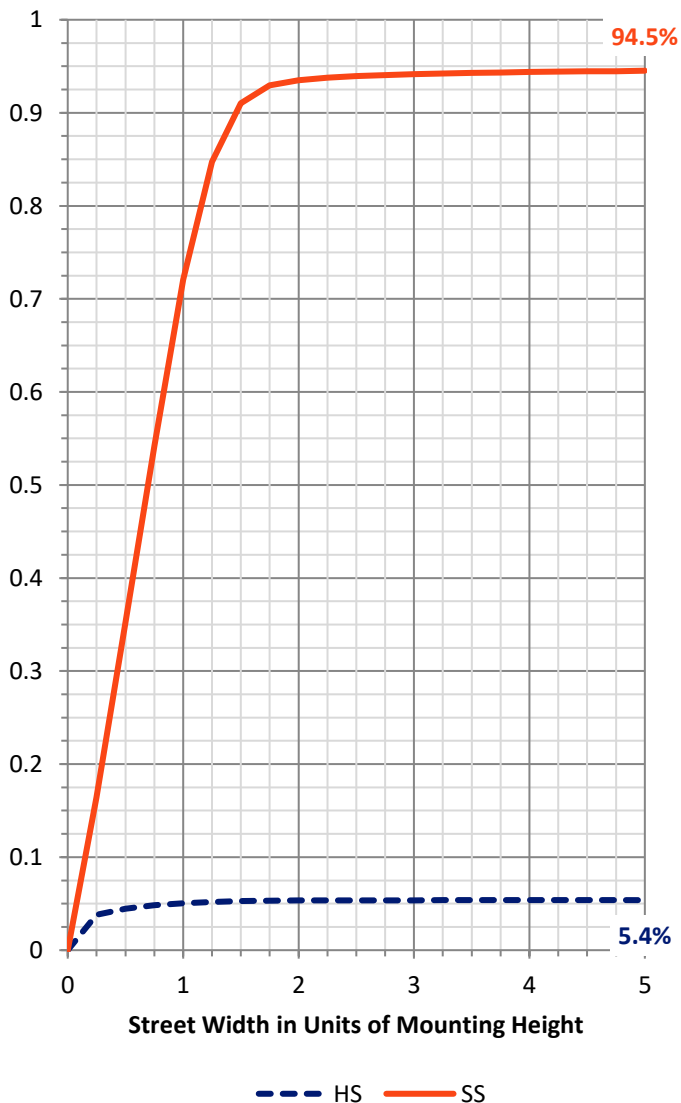
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	199.9	0.0	199.9
	% Fixture	5.4	0.0	5.4
<b>Street Side</b>	Lumens	3498.0	0.0	3498.0
	% Fixture	94.6	0.0	94.6
<b>Total</b>	Lumens	3697.9	0.0	3697.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.4	2.1
10°-20°	202.2	5.5
20°-30°	338.4	9.2
30°-40°	553.6	15.0
40°-50°	889.9	24.1
50°-60°	1004.7	27.2
60°-70°	535.9	14.5
70°-80°	88.1	2.4
80°-90°	7.9	0.2
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°	3697.9	100.0
0°-180°	3697.9	100.0

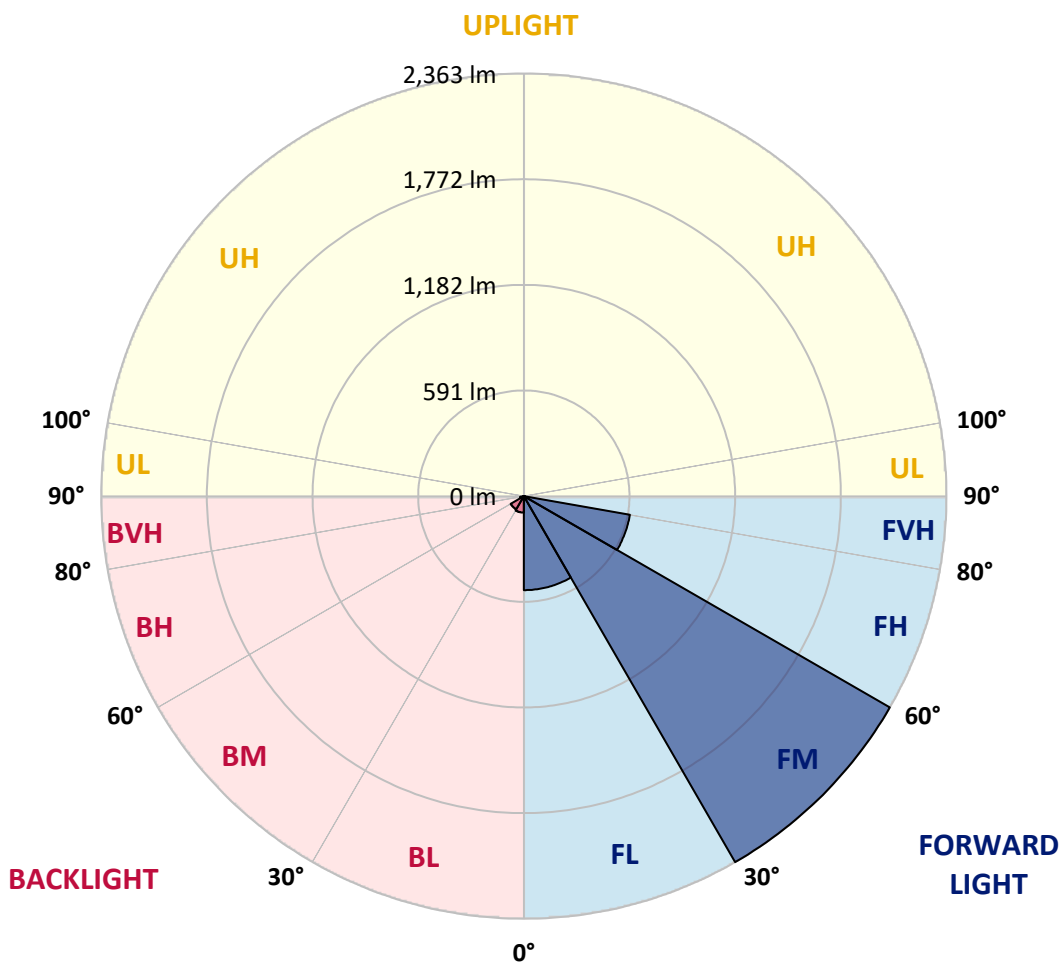


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	525.7	14.2			
FM (30°-60°)	2363.0	63.9			
FH (60°-80°)	602.1	16.3			G0/660
FVH (80°-90°)	7.2	0.2			G0/10
BL (0°-30°)	92.2	2.5	B0/110		
BM (30°-60°)	85.2	2.3	B0/220		
BH (60°-80°)	21.8	0.6	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: B0-U0-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	865.4	865.4	865.4	865.4	865.4	865.4	865.4	865.4	865.4	865.4	865.4
2.5°	1037.8	1031.6	1035.2	1025.8	1008.6	987.2	955.1	956.8	931.5	909.5	879.0
5°	1209.2	1202.7	1200.7	1176.8	1152.8	1114.2	1066.6	1058.8	1012.5	956.4	892.6
7.5°	1299.6	1294.1	1298.3	1289.5	1265.9	1230.9	1170.6	1164.8	1093.2	1008.3	914.3
10°	1258.1	1256.1	1274.0	1294.7	1313.8	1309.6	1261.3	1252.3	1171.9	1065.3	936.7
12.5°	1146.6	1152.8	1175.5	1213.7	1272.7	1328.1	1320.3	1321.9	1252.3	1127.2	961.3
15°	1081.2	1088.6	1101.6	1121.4	1193.9	1292.4	1342.7	1358.9	1329.4	1196.2	990.5
17.5°	1075.7	1081.8	1083.8	1091.2	1133.7	1235.1	1333.6	1364.4	1398.1	1261.3	1023.2
20°	1118.1	1120.7	1119.1	1113.6	1128.8	1204.0	1305.1	1349.1	1454.8	1330.7	1052.0
22.5°	1198.1	1194.3	1189.4	1169.0	1168.0	1212.7	1289.5	1335.5	1488.5	1388.0	1071.1
25°	1297.3	1289.2	1282.4	1253.6	1239.9	1258.4	1303.4	1340.4	1518.9	1443.7	1084.7
27.5°	1405.5	1408.1	1391.3	1352.4	1331.0	1327.1	1346.5	1374.1	1548.4	1493.6	1092.2
30°	1521.2	1522.5	1500.4	1460.3	1440.8	1415.9	1414.6	1431.1	1580.1	1551.0	1099.3
32.5°	1653.0	1656.6	1620.6	1578.8	1544.8	1512.4	1496.6	1510.5	1637.2	1625.8	1113.9
35°	1843.6	1828.0	1779.4	1716.2	1667.9	1625.5	1601.2	1610.3	1713.0	1715.6	1143.1
37.5°	2039.9	2038.3	1984.5	1893.4	1814.4	1761.6	1720.1	1735.0	1819.6	1835.8	1189.7
40°	2223.0	2227.2	2180.5	2101.1	1999.4	1908.7	1864.3	1874.3	1961.2	1981.6	1246.4
42.5°	2342.5	2340.2	2343.8	2321.1	2219.1	2112.1	2045.4	2050.9	2125.8	2136.4	1317.4
45°	2397.6	2388.8	2419.3	2491.2	2450.7	2338.3	2262.2	2255.4	2296.5	2293.6	1381.9
47.5°	2350.0	2333.8	2403.7	2577.1	2655.5	2621.5	2512.6	2500.3	2465.3	2442.0	1448.9
50°	2113.1	2106.0	2255.7	2536.3	2784.1	2883.3	2803.2	2757.6	2616.0	2551.5	1484.2
52.5°	1887.9	1868.2	1969.3	2327.9	2726.8	3093.9	3110.4	3029.1	2741.0	2582.9	1472.3
55°	1525.1	1500.8	1610.9	1912.6	2499.7	3120.8	3326.2	3283.7	2850.5	2544.0	1448.0
57.5°	926.3	902.3	1064.3	1369.9	1999.1	2897.2	3273.0	3316.1	2934.8	2501.3	1432.1
60°	389.4	374.2	437.7	653.8	1276.6	2381.1	2991.2	3098.7	2950.7	2442.6	1438.6
62.5°	202.5	195.7	199.3	261.8	516.1	1567.8	2489.6	2676.9	2790.6	2416.7	1445.0
65°	152.0	146.8	135.4	143.9	200.6	677.8	1789.1	2039.9	2443.6	2350.9	1401.3
67.5°	124.7	119.9	111.8	109.2	118.3	235.2	913.4	1239.3	1914.8	2070.7	1244.5
70°	99.5	97.8	95.3	90.4	88.8	114.0	327.6	505.1	1266.2	1460.3	902.0
72.5°	82.9	83.3	80.4	76.1	70.3	73.5	130.6	172.7	612.7	700.2	377.8
75°	69.3	69.3	70.3	64.5	58.6	50.5	72.6	84.2	196.7	161.7	80.7
77.5°	54.4	55.1	59.3	54.4	47.0	31.8	39.5	45.0	58.3	46.7	29.5
80°	43.4	42.8	41.1	48.9	42.1	22.4	18.8	20.7	27.2	22.4	14.6
82.5°	30.5	30.1	28.8	33.0	32.7	16.5	12.3	12.6	16.5	14.3	9.1
85°	7.5	8.7	18.5	15.6	13.6	9.7	7.5	8.1	10.7	9.4	4.9
87.5°	3.2	3.2	8.4	10.0	6.5	4.2	3.2	3.6	5.5	5.5	2.9
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°	865.4	865.4	865.4	865.4	865.4	865.4	865.4	865.4	865.4	865.4	865.4
2.5°	868.3	847.3	820.7	792.5	763.7	729.0	707.0	688.8	674.6	663.5	659.7
5°	871.6	831.1	770.8	695.9	619.8	548.5	493.5	452.6	418.9	400.5	392.4
7.5°	871.2	817.4	708.6	583.2	459.4	356.7	283.8	238.8	208.7	196.3	188.9
10°	870.9	799.6	637.6	458.1	307.2	206.7	152.3	127.0	116.0	111.8	111.1
12.5°	880.3	779.2	558.3	337.3	192.8	128.6	105.9	100.1	97.5	96.2	95.9
15°	885.5	760.4	474.7	238.1	129.9	101.7	94.6	92.0	91.0	90.4	90.1
17.5°	891.0	731.3	395.3	172.4	104.0	92.3	88.1	86.5	85.9	85.9	85.9
20°	892.0	699.8	316.5	127.0	92.3	86.2	82.0	80.4	79.4	78.7	78.7
22.5°	884.8	662.6	248.8	103.0	85.5	80.4	75.8	73.2	71.6	71.3	71.3
25°	867.0	609.8	190.8	90.4	80.0	74.5	69.0	66.1	64.8	64.8	64.8
27.5°	841.4	547.6	147.4	80.4	72.9	67.4	62.5	59.9	59.6	59.3	59.6
30°	812.3	487.6	112.8	71.3	64.5	59.9	56.1	54.8	55.4	55.4	55.7
32.5°	783.1	427.7	88.1	64.2	57.0	53.1	51.2	51.2	52.2	52.2	52.2
35°	758.2	369.0	73.9	58.3	51.8	48.6	47.6	48.6	49.2	49.6	49.6
37.5°	744.2	318.5	65.1	53.1	47.6	45.0	44.7	45.7	47.0	48.0	48.3
40°	739.0	279.6	59.9	49.2	43.7	42.1	41.8	43.1	45.4	47.0	47.3
42.5°	739.4	245.3	55.4	45.4	41.1	38.9	38.9	40.8	43.1	44.7	44.7
45°	741.6	215.8	50.9	41.5	38.9	35.0	35.3	37.9	39.5	41.1	41.1
47.5°	743.6	192.1	46.0	37.3	33.7	31.8	32.4	34.3	36.6	39.2	39.2
50°	732.2	175.3	41.1	32.7	29.5	28.8	30.1	31.8	35.0	37.6	37.9
52.5°	705.0	160.1	36.9	29.2	26.6	26.9	28.5	29.5	32.1	32.4	32.7
55°	693.0	152.3	33.7	26.6	24.3	25.3	26.2	26.6	25.9	24.3	24.3
57.5°	690.4	147.1	30.5	24.0	22.4	23.7	23.3	21.4	19.4	17.5	17.2
60°	693.0	140.0	27.9	20.7	20.4	20.7	19.8	16.2	13.6	12.3	11.7
62.5°	678.1	129.6	25.6	17.8	17.8	17.5	14.9	11.0	8.7	7.8	7.5
65°	628.9	109.2	23.3	14.9	14.6	13.9	10.0	7.5	5.8	4.9	4.5
67.5°	532.0	84.6	21.1	12.3	11.7	9.7	6.5	4.9	3.2	2.9	2.6
70°	362.9	52.5	17.8	9.7	8.7	6.2	3.9	2.9	1.9	1.6	1.3
72.5°	131.5	30.5	14.9	7.5	5.8	3.9	2.3	1.3	1.0	1.0	0.6
75°	31.1	21.4	11.3	5.5	3.9	2.3	1.3	1.0	0.6	0.6	0.3
77.5°	14.3	16.5	7.5	3.2	2.6	1.6	1.0	0.6	0.3	0.3	0.0
80°	8.1	11.7	3.6	2.3	1.9	1.3	0.6	0.3	0.3	0.0	0.0
82.5°	4.2	6.5	2.6	1.9	1.6	1.0	0.6	0.0	0.0	0.0	0.0
85°	2.9	3.2	1.9	1.6	1.3	1.0	0.6	0.0	0.0	0.0	0.0
87.5°	2.3	2.3	1.9	1.6	1.3	1.0	0.3	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)