

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: P673899

Luminaire Tested: **CCP-SA-2A-835-U-SL3-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673899  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2A-835-U-SL3-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ SL3 distribution lens and House Side Shield  
Light Source: (32) 3500K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

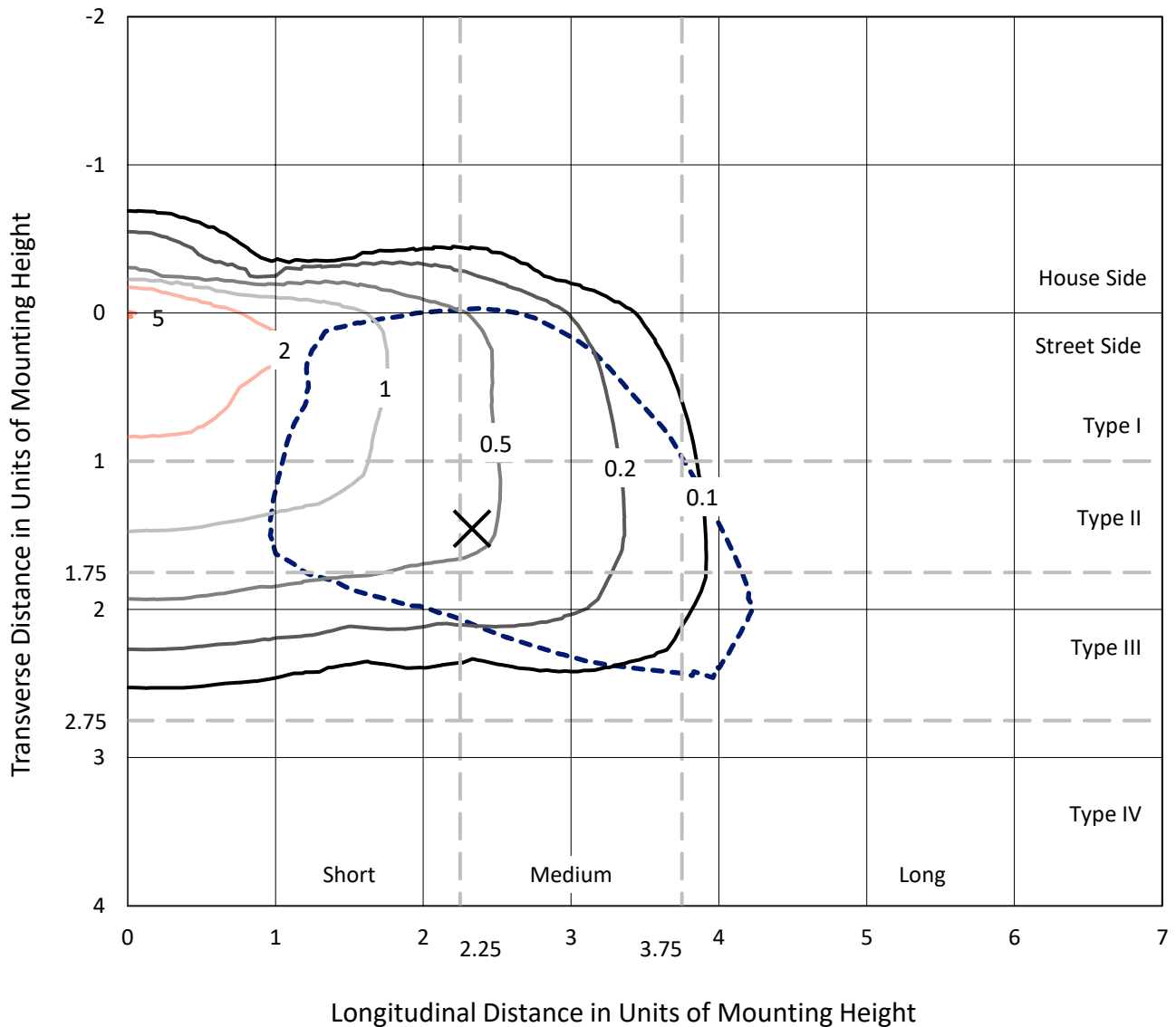
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3725.7 lumens  
Efficiency: N/A  
Efficacy: 102.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1  
  
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

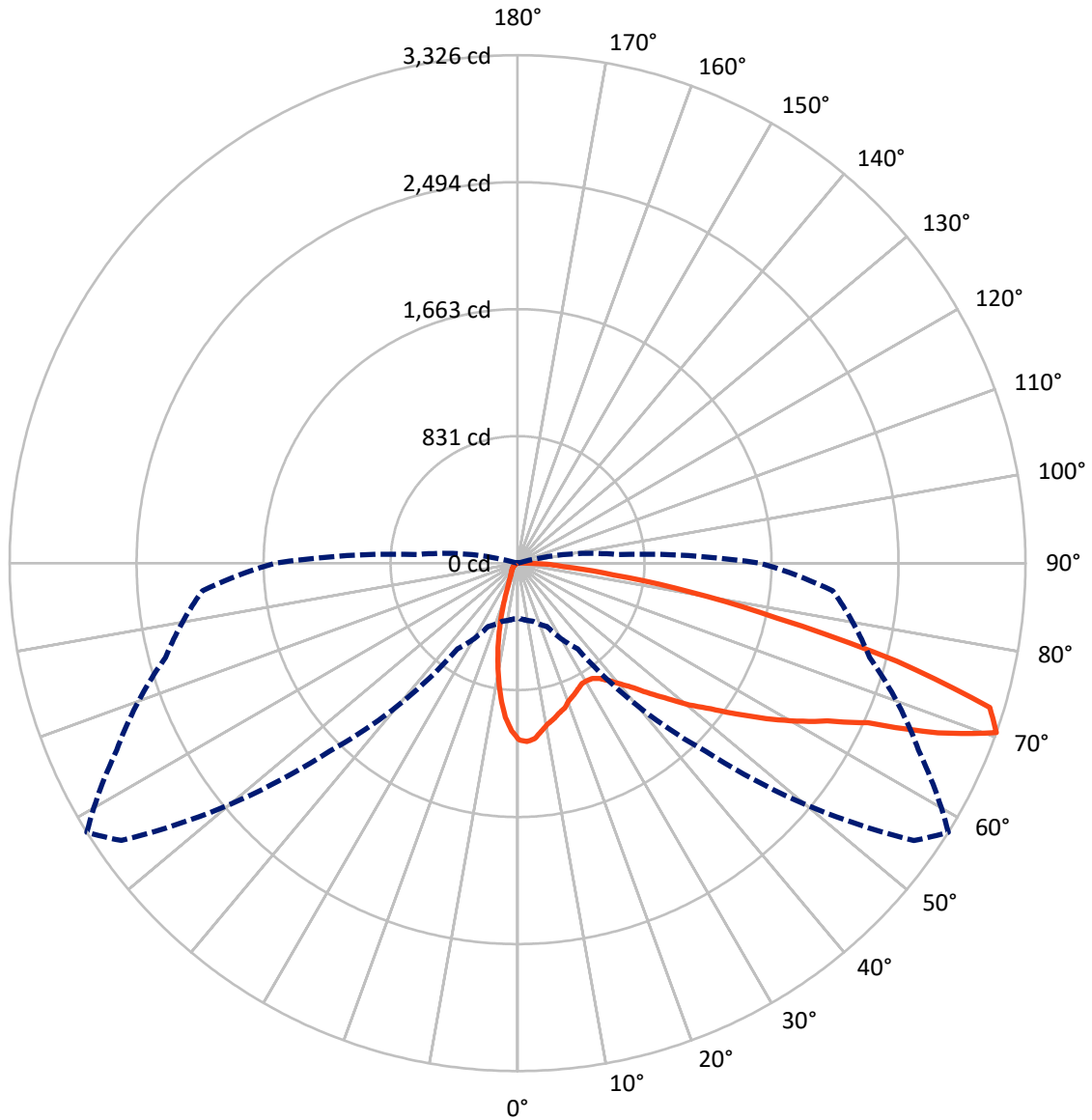
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 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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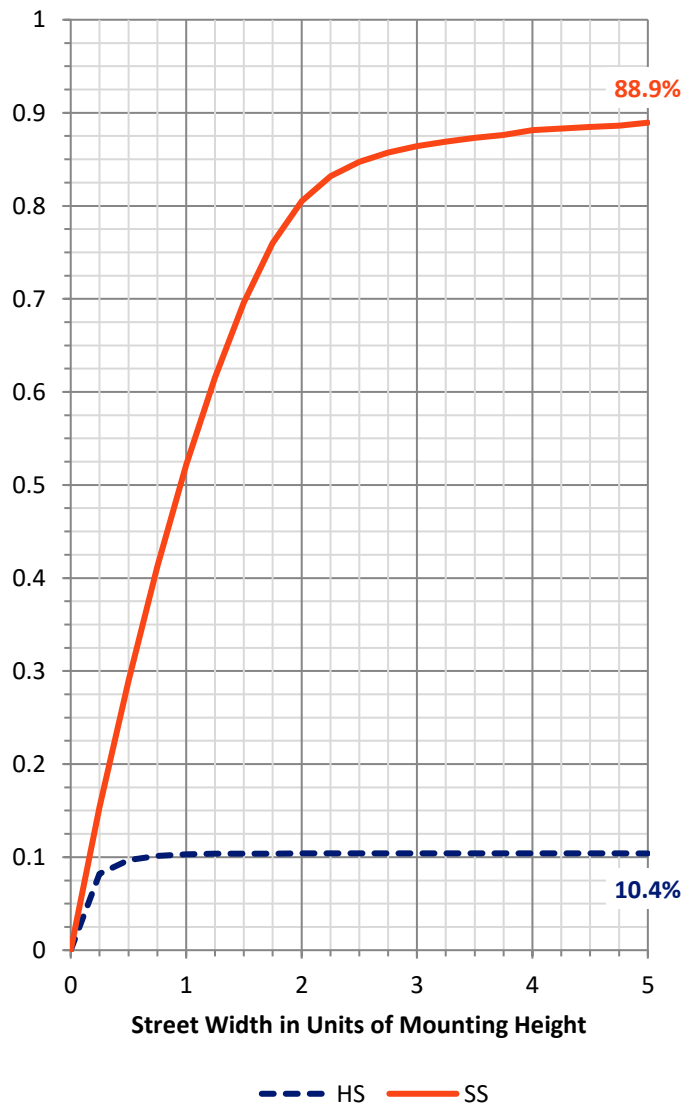
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	390.1	0.0	390.1
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	3335.5	0.0	3335.5
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	3725.7	0.0	3725.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.4	2.5
10°-20°	196.5	5.3
20°-30°	263.1	7.1
30°-40°	355.6	9.5
40°-50°	510.4	13.7
50°-60°	752.1	20.2
60°-70°	917.4	24.6
70°-80°	560.2	15.0
80°-90°	76.1	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°	3725.7	100.0
0°-180°	3725.7	100.0

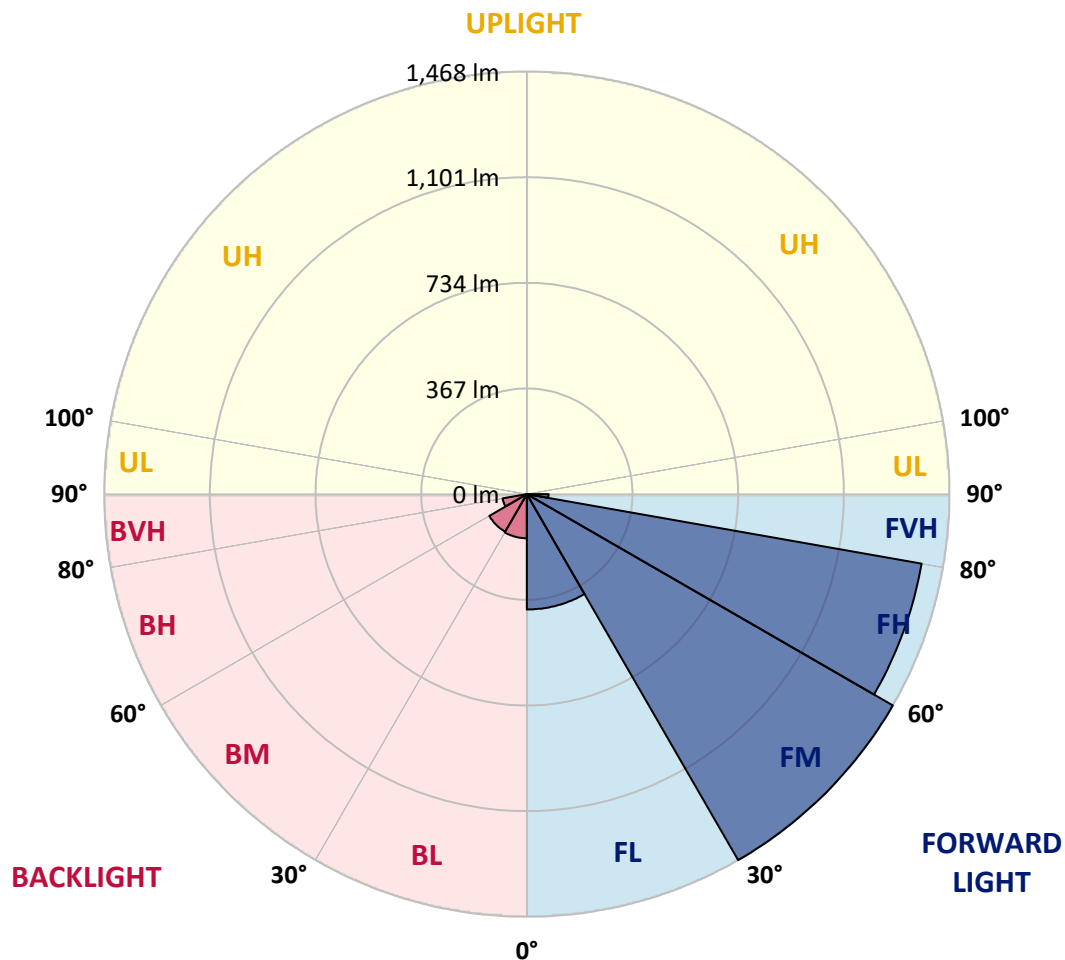


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	400.6	10.8			
FM (30°-60°)	1467.5	39.4			
FH (60°-80°)	1392.1	37.4			G1/1800
FVH (80°-90°)	75.4	2.0			G1/100
BL (0°-30°)	153.3	4.1	B1/500		
BM (30°-60°)	150.6	4.0	B0/220		
BH (60°-80°)	85.5	2.3	B0/110		G0/110
BVH (80°-90°)	0.7	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°	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6
2.5°	1177.5	1181.9	1171.4	1183.6	1172.3	1177.5	1171.4	1169.7	1170.5	1171.4	1164.4
5°	1122.5	1133.0	1137.3	1130.4	1147.0	1144.3	1154.8	1155.7	1151.3	1147.0	1147.8
7.5°	1050.0	1060.5	1064.8	1069.2	1085.8	1107.6	1121.6	1112.9	1119.9	1135.6	1112.0
10°	997.6	995.0	994.1	1002.8	1034.3	1052.6	1076.2	1073.6	1091.0	1105.9	1086.7
12.5°	932.9	927.7	943.4	950.4	978.4	1010.7	1029.0	1048.2	1065.7	1081.4	1059.6
15°	884.9	889.3	895.4	910.2	930.3	973.1	1000.2	1018.5	1050.0	1057.9	1049.1
17.5°	846.5	850.0	858.7	866.5	891.9	932.9	975.7	997.6	1030.8	1051.7	1024.7
20°	847.3	836.8	836.8	844.7	858.7	907.6	953.0	960.0	1005.4	1041.3	1022.9
22.5°	848.2	844.7	836.8	836.0	842.1	877.0	923.3	939.1	988.0	1029.9	1008.1
25°	860.4	847.3	848.2	836.0	838.6	856.1	892.8	916.3	972.2	1036.0	1000.2
27.5°	870.9	877.0	864.8	859.6	844.7	843.8	874.4	894.5	964.4	1050.0	1005.4
30°	894.5	898.9	898.9	895.4	881.4	861.3	868.3	893.6	948.7	1047.4	996.7
32.5°	933.8	926.0	936.4	931.2	912.8	881.4	887.5	900.6	958.3	1080.6	1010.7
35°	946.9	953.0	967.0	955.7	949.5	931.2	919.0	928.6	972.2	1113.8	1031.6
37.5°	987.1	978.4	988.0	1013.3	1019.4	986.2	962.6	976.6	1024.7	1153.1	1050.9
40°	990.6	997.6	1015.1	1064.8	1071.0	1057.0	1037.8	1041.3	1077.1	1203.7	1098.9
42.5°	1008.1	1015.9	1051.7	1093.7	1126.9	1129.5	1115.5	1115.5	1146.1	1285.0	1152.2
45°	1042.1	1029.0	1075.3	1146.1	1194.1	1203.7	1222.1	1217.7	1242.2	1370.6	1251.8
47.5°	1055.2	1059.6	1110.3	1195.9	1250.9	1295.5	1326.0	1326.9	1339.1	1479.8	1381.1
50°	1098.0	1097.2	1158.3	1237.8	1319.0	1400.3	1459.7	1459.7	1458.8	1586.3	1492.0
52.5°	1154.8	1153.1	1200.2	1294.6	1400.3	1502.5	1581.1	1583.7	1603.8	1717.4	1619.5
55°	1247.4	1239.6	1285.0	1354.9	1481.5	1605.6	1741.8	1742.7	1727.0	1810.8	1711.3
57.5°	1325.2	1324.3	1361.8	1429.1	1572.4	1738.3	1896.5	1920.0	1870.2	1906.9	1784.6
60°	1305.1	1316.4	1394.2	1493.7	1668.5	1904.3	2063.3	2100.0	2020.5	1972.4	1839.7
62.5°	1180.1	1206.4	1291.1	1450.1	1749.7	2145.4	2293.0	2276.4	2099.1	2028.4	1906.9
65°	849.1	875.3	980.1	1218.6	1655.4	2315.7	2595.3	2520.2	2238.9	2111.3	1996.9
67.5°	499.7	510.1	575.7	777.4	1237.8	2223.2	2962.2	2968.3	2514.0	2238.9	2152.4
70°	360.8	368.6	394.0	458.6	685.7	1742.7	3166.6	3325.6	2895.8	2385.6	2070.3
72.5°	276.9	276.9	319.7	381.7	436.8	1043.9	2914.1	3233.0	2978.8	2245.0	1668.5
75°	199.2	204.4	250.7	328.5	402.7	524.1	2147.2	2565.6	2524.5	1819.6	1165.3
77.5°	114.4	117.1	176.5	275.2	378.2	359.9	1326.9	1739.2	1788.1	1139.1	504.9
80°	58.5	60.3	98.7	217.5	342.4	313.6	791.4	1145.2	971.4	331.1	117.1
82.5°	28.8	28.8	44.6	138.9	290.9	277.8	465.6	632.4	344.2	76.0	48.9
85°	9.6	10.5	20.1	78.6	210.5	167.7	284.8	300.5	115.3	28.8	27.1
87.5°	2.6	3.5	5.2	28.8	91.7	110.1	169.5	192.2	47.2	11.4	13.1
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°	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6
2.5°	1138.2	1132.1	1125.1	1107.6	1093.7	1075.3	1063.1	1053.5	1035.1	1038.6	1030.8
5°	1126.9	1115.5	1075.3	1036.9	1001.9	948.7	912.0	888.4	869.2	850.0	863.9
7.5°	1106.8	1079.7	1016.8	945.2	870.9	801.0	731.2	689.2	658.6	630.7	629.8
10°	1072.7	1029.0	930.3	836.8	722.4	630.7	541.6	471.7	426.3	393.1	392.2
12.5°	1034.3	988.8	864.8	712.8	580.9	451.6	345.0	270.8	228.0	201.8	198.3
15°	1009.8	943.4	782.7	602.7	439.4	294.4	191.3	145.0	128.4	122.3	122.3
17.5°	978.4	902.4	701.5	488.3	304.9	170.3	124.0	111.8	110.9	109.2	107.4
20°	965.3	870.9	628.9	389.6	193.1	120.5	106.6	104.0	104.0	102.2	100.5
22.5°	930.3	825.5	552.1	285.6	128.4	105.7	100.5	97.0	95.2	93.5	95.2
25°	914.6	793.2	479.6	197.4	104.8	94.3	91.7	88.2	85.6	84.7	84.7
27.5°	904.1	760.9	408.8	137.1	92.6	86.5	81.2	78.6	75.1	71.6	71.6
30°	896.2	735.5	340.7	101.3	83.0	76.9	72.5	66.4	62.0	58.5	58.5
32.5°	885.8	705.8	272.5	86.5	75.1	69.0	61.1	55.9	49.8	47.2	47.2
35°	889.3	685.7	214.0	76.9	67.3	59.4	52.4	45.4	39.3	36.7	35.8
37.5°	896.2	670.9	162.5	69.0	60.3	51.5	43.7	35.8	32.3	28.8	28.8
40°	926.0	666.5	119.7	63.8	55.0	45.4	36.7	29.7	26.2	23.6	22.7
42.5°	975.7	672.6	92.6	57.7	49.8	38.4	30.6	24.5	21.0	18.3	17.5
45°	1039.5	696.2	76.0	54.2	43.7	32.3	24.5	20.1	15.7	14.0	14.0
47.5°	1132.1	732.9	66.4	49.8	38.4	27.1	21.0	15.7	12.2	10.5	10.5
50°	1236.9	774.8	58.5	44.6	33.2	22.7	16.6	12.2	8.7	7.9	7.9
52.5°	1341.8	828.1	54.2	41.1	28.8	18.3	13.1	8.7	6.1	5.2	5.2
55°	1451.8	875.3	48.9	38.4	23.6	14.9	9.6	5.2	3.5	2.6	2.6
57.5°	1528.7	893.6	42.8	33.2	18.3	11.4	7.0	3.5	1.7	0.9	0.9
60°	1583.7	896.2	36.7	27.1	14.0	8.7	4.4	1.7	0.9	0.0	0.0
62.5°	1630.0	901.5	31.4	21.0	10.5	6.1	2.6	0.9	0.0	0.0	0.0
65°	1721.7	897.1	25.3	16.6	7.0	3.5	1.7	0.0	0.0	0.0	0.0
67.5°	1794.2	853.4	20.1	11.4	4.4	1.7	0.9	0.0	0.0	0.0	0.0
70°	1587.2	650.8	15.7	7.9	2.6	0.9	0.0	0.0	0.0	0.0	0.0
72.5°	1246.5	434.1	10.5	4.4	1.7	0.9	0.0	0.0	0.0	0.0	0.0
75°	817.6	215.8	7.9	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	318.0	56.8	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	76.9	19.2	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	33.2	7.0	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	20.1	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.5	1.7	0.9	0.9	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)