

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: P671413

Luminaire Tested: **CCP-SA-1B-760-U-SL3**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671413  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1B-760-U-SL3  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ SL3 distribution lens  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

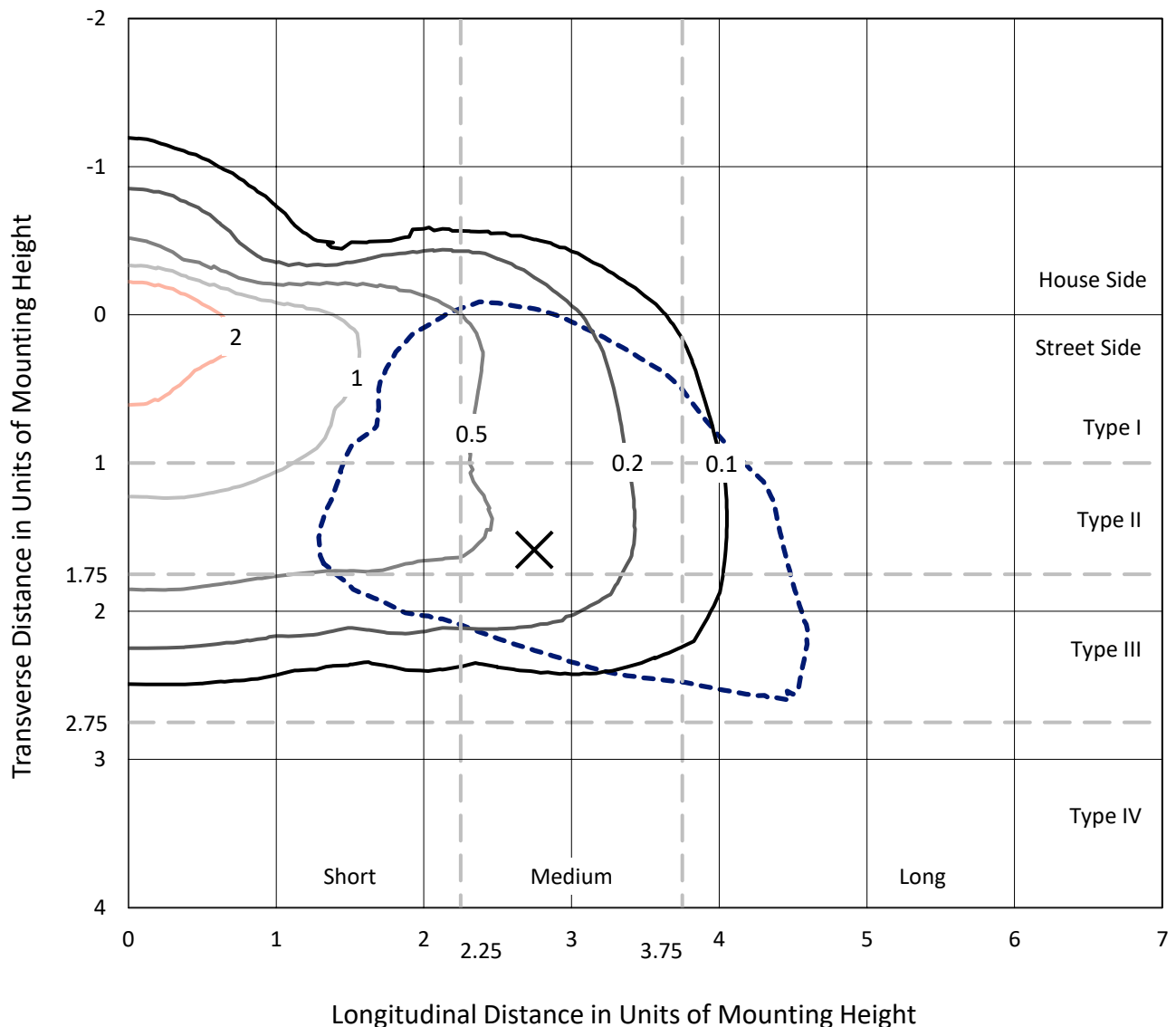
Lumens per Lamp: N/A  
Luminaire Lumens: 3492.9 lumens  
Efficiency: N/A  
Efficacy: 145.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 24  
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

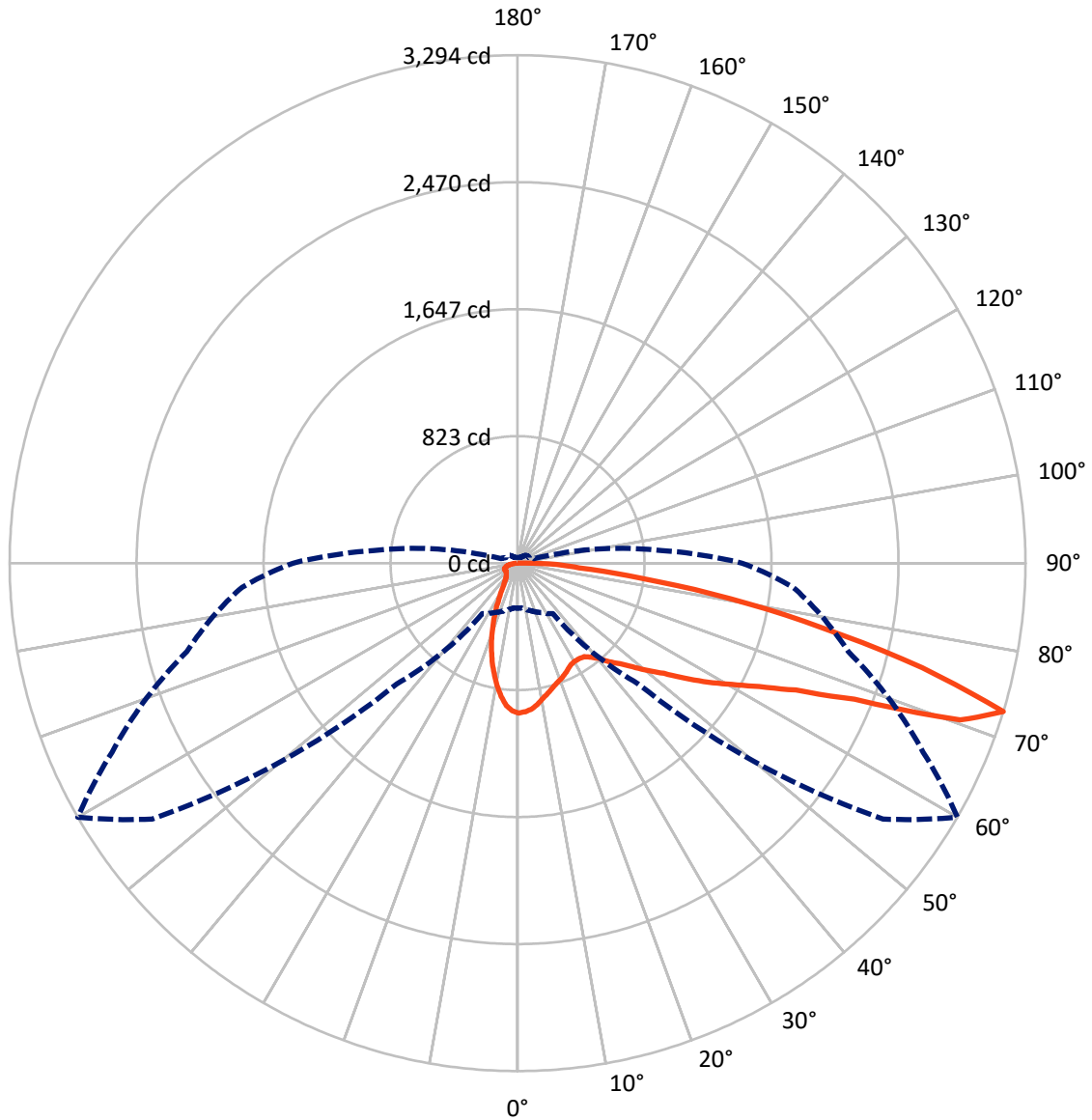
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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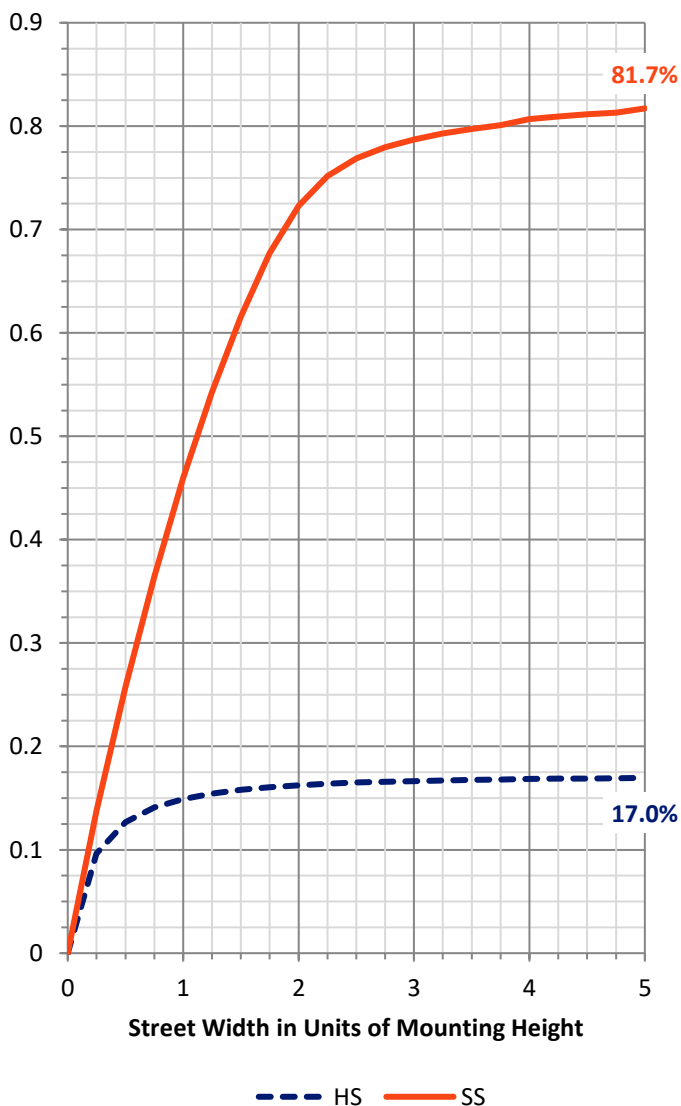
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	600.0	0.0	600.0
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	2892.9	0.0	2892.9
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	3492.9	0.0	3492.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.3	2.4
10°-20°	191.2	5.5
20°-30°	244.6	7.0
30°-40°	313.0	9.0
40°-50°	429.3	12.3
50°-60°	620.9	17.8
60°-70°	851.7	24.4
70°-80°	639.1	18.3
80°-90°	118.8	3.4
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°	3492.9	100.0
0°-180°	3492.9	100.0

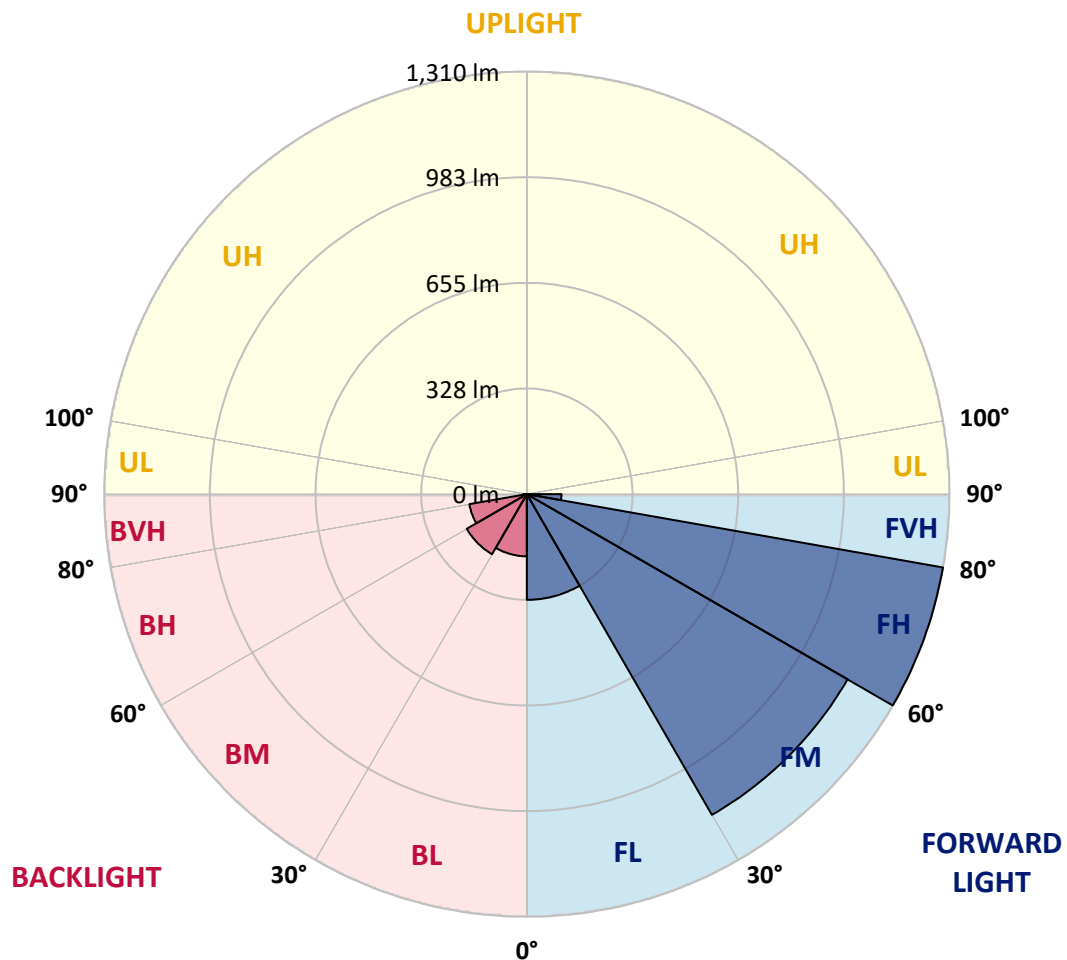


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	327.5	9.4			
FM (30°-60°)	1148.1	32.9			
FH (60°-80°)	1310.1	37.5			G1/1800
FVH (80°-90°)	107.2	3.1			G2/225
BL (0°-30°)	192.6	5.5	B1/500		
BM (30°-60°)	215.0	6.2	B0/220		
BH (60°-80°)	180.8	5.2	B1/500		G1/500
BVH (80°-90°)	11.6	0.3			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	972.6	972.6	972.6	972.6	972.6	972.6	972.6	972.6	972.6	972.6	972.6
2.5°	951.8	960.9	963.5	963.5	971.3	962.2	975.2	964.8	967.4	971.3	968.7
5°	906.3	921.9	912.8	929.7	923.2	934.9	950.5	950.5	946.6	954.4	947.9
7.5°	862.1	856.9	872.5	872.5	882.9	898.5	911.5	924.5	925.8	928.4	927.1
10°	802.3	808.8	816.6	827.0	840.0	855.6	882.9	893.3	895.9	911.5	907.6
12.5°	752.9	762.0	767.2	788.0	799.7	821.8	853.0	867.3	868.6	890.7	890.7
15°	716.4	721.7	733.4	741.2	767.2	798.4	828.3	841.3	855.6	879.0	872.5
17.5°	691.7	698.2	703.4	713.8	738.6	764.6	811.4	819.2	836.1	869.9	862.1
20°	677.4	678.7	686.5	693.0	715.1	739.9	781.5	802.3	824.4	854.3	846.5
22.5°	680.0	674.8	673.5	682.6	686.5	709.9	760.7	782.8	814.0	849.1	836.1
25°	685.2	686.5	683.9	676.1	677.4	698.2	732.1	760.7	795.8	847.8	821.8
27.5°	698.2	704.7	694.3	686.5	678.7	686.5	721.7	742.5	781.5	854.3	820.5
30°	711.2	717.7	715.1	703.4	687.8	685.2	709.9	736.0	773.7	859.5	820.5
32.5°	730.8	739.9	730.8	734.7	716.4	704.7	713.8	737.3	781.5	877.7	821.8
35°	752.9	760.7	763.3	754.2	750.3	728.2	733.4	745.1	789.3	898.5	834.8
37.5°	777.6	786.7	794.5	795.8	782.8	769.8	767.2	773.7	808.8	934.9	849.1
40°	794.5	799.7	815.3	828.3	832.2	814.0	812.7	812.7	843.9	967.4	875.1
42.5°	823.1	820.5	842.6	866.0	872.5	862.1	864.7	875.1	893.3	1014.2	916.7
45°	837.4	834.8	860.8	899.8	929.7	924.5	927.1	931.0	947.9	1088.3	986.9
47.5°	856.9	859.5	897.2	941.4	972.6	990.8	1005.1	1003.8	1016.8	1163.7	1064.9
50°	876.4	881.6	927.1	973.9	1028.5	1059.7	1080.5	1094.8	1107.8	1243.1	1154.6
52.5°	914.1	919.3	970.0	1020.7	1090.9	1136.4	1188.4	1187.1	1188.4	1322.4	1244.4
55°	968.7	970.0	999.9	1058.4	1153.3	1236.6	1308.1	1315.9	1293.8	1421.2	1347.1
57.5°	1031.1	1036.3	1062.3	1106.5	1202.8	1332.8	1442.0	1457.6	1397.8	1501.8	1440.7
60°	1089.6	1093.5	1133.8	1184.5	1288.6	1453.7	1577.2	1595.4	1530.4	1600.6	1538.2
62.5°	1023.3	1042.8	1114.3	1230.1	1439.4	1637.0	1748.9	1760.6	1659.1	1700.8	1642.2
65°	819.2	832.2	934.9	1122.1	1449.8	1969.9	2014.1	1982.9	1836.0	1829.5	1799.6
67.5°	456.4	466.8	537.0	733.4	1221.0	2094.7	2584.9	2356.1	2110.3	2023.2	2012.8
70°	360.2	362.8	371.9	412.2	677.4	1846.4	3034.8	3045.2	2558.9	2289.8	2058.3
72.5°	292.6	291.3	318.6	353.7	400.5	1107.8	2893.1	3293.6	2902.2	2219.6	1793.1
75°	223.6	227.5	262.7	313.4	366.7	521.4	2158.4	2709.8	2718.9	2068.7	1512.2
77.5°	170.3	171.6	210.6	277.0	358.9	368.0	1408.2	2019.3	2028.4	1601.9	833.5
80°	127.4	127.4	159.9	234.0	349.8	339.4	867.3	1400.4	1267.8	563.0	182.0
82.5°	72.8	78.0	106.6	178.1	317.3	326.4	488.9	802.3	535.7	153.4	84.5
85°	39.0	40.3	65.0	119.6	261.4	312.1	373.2	399.2	213.2	81.9	39.0
87.5°	14.3	14.3	29.9	61.1	165.1	231.4	296.5	254.9	122.2	37.7	19.5
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°	972.6	972.6	972.6	972.6	972.6	972.6	972.6	972.6	972.6	972.6	972.6
2.5°	971.3	966.1	962.2	966.1	951.8	945.3	953.1	949.2	941.4	937.5	934.9
5°	951.8	945.3	938.8	934.9	919.3	903.7	895.9	880.3	867.3	871.2	863.4
7.5°	931.0	924.5	905.0	886.8	855.6	824.4	810.1	788.0	780.2	773.7	769.8
10°	905.0	893.3	863.4	827.0	781.5	746.4	709.9	683.9	656.6	644.9	648.8
12.5°	872.5	866.0	819.2	763.3	699.5	641.0	598.1	556.5	520.1	500.6	495.4
15°	858.2	838.7	771.1	696.9	616.3	543.5	479.8	407.0	364.1	343.3	343.3
17.5°	842.6	806.2	725.6	624.1	531.8	438.2	348.5	282.2	248.4	236.6	236.6
20°	817.9	777.6	672.2	555.2	443.4	330.3	249.7	213.2	202.8	195.0	196.3
22.5°	799.7	750.3	622.8	487.6	351.1	245.8	196.3	184.6	180.7	178.1	179.4
25°	778.9	717.7	570.8	414.8	275.7	193.7	170.3	165.1	167.7	169.0	169.0
27.5°	762.0	690.4	517.5	336.8	208.0	163.8	153.4	152.1	157.3	159.9	161.2
30°	750.3	665.7	465.5	265.3	166.4	145.6	140.4	140.4	146.9	149.5	150.8
32.5°	738.6	644.9	409.6	202.8	141.7	130.0	128.7	130.0	133.9	133.9	135.2
35°	742.5	625.4	356.3	163.8	127.4	119.6	119.6	119.6	120.9	122.2	122.2
37.5°	750.3	620.2	299.1	137.8	117.0	111.8	111.8	110.5	111.8	110.5	111.8
40°	758.1	612.4	247.1	122.2	110.5	106.6	105.3	102.7	101.4	101.4	102.7
42.5°	790.6	622.8	202.8	111.8	105.3	102.7	98.8	96.2	94.9	94.9	94.9
45°	832.2	642.3	167.7	106.6	101.4	94.9	92.3	91.0	88.4	89.7	91.0
47.5°	894.6	672.2	146.9	102.7	97.5	89.7	87.1	84.5	84.5	87.1	87.1
50°	976.5	721.7	133.9	98.8	93.6	85.8	81.9	80.6	80.6	84.5	84.5
52.5°	1064.9	778.9	128.7	97.5	89.7	81.9	78.0	76.7	76.7	81.9	81.9
55°	1153.3	849.1	132.6	97.5	87.1	78.0	74.1	71.5	72.8	76.7	76.7
57.5°	1250.9	924.5	152.1	97.5	84.5	76.7	71.5	67.6	68.9	70.2	70.2
60°	1357.5	1023.3	185.9	97.5	83.2	74.1	67.6	62.4	62.4	63.7	63.7
62.5°	1465.4	1120.8	234.0	98.8	84.5	72.8	62.4	57.2	55.9	57.2	57.2
65°	1607.1	1276.9	282.2	98.8	88.4	70.2	58.5	52.0	50.7	50.7	52.0
67.5°	1806.1	1388.7	218.4	94.9	91.0	70.2	54.6	48.1	45.5	45.5	45.5
70°	1700.8	1171.5	139.1	88.4	87.1	72.8	52.0	44.2	41.6	40.3	40.3
72.5°	1456.3	937.5	111.8	83.2	80.6	71.5	49.4	41.6	37.7	36.4	36.4
75°	1167.6	739.9	97.5	75.4	70.2	59.8	45.5	37.7	35.1	32.5	32.5
77.5°	572.1	309.5	74.1	66.3	59.8	45.5	40.3	35.1	31.2	28.6	28.6
80°	143.0	107.9	54.6	52.0	44.2	35.1	32.5	29.9	27.3	24.7	24.7
82.5°	76.7	63.7	39.0	35.1	29.9	24.7	24.7	23.4	22.1	19.5	18.2
85°	39.0	37.7	26.0	23.4	19.5	15.6	16.9	16.9	15.6	11.7	11.7
87.5°	20.8	20.8	13.0	10.4	9.1	7.8	7.8	7.8	6.5	5.2	5.2
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)