

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: P674681

Luminaire Tested: **CCP-SA-1B-730-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674681  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1B-730-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T3R distribution lens and House Side Shield  
Light Source: (16) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

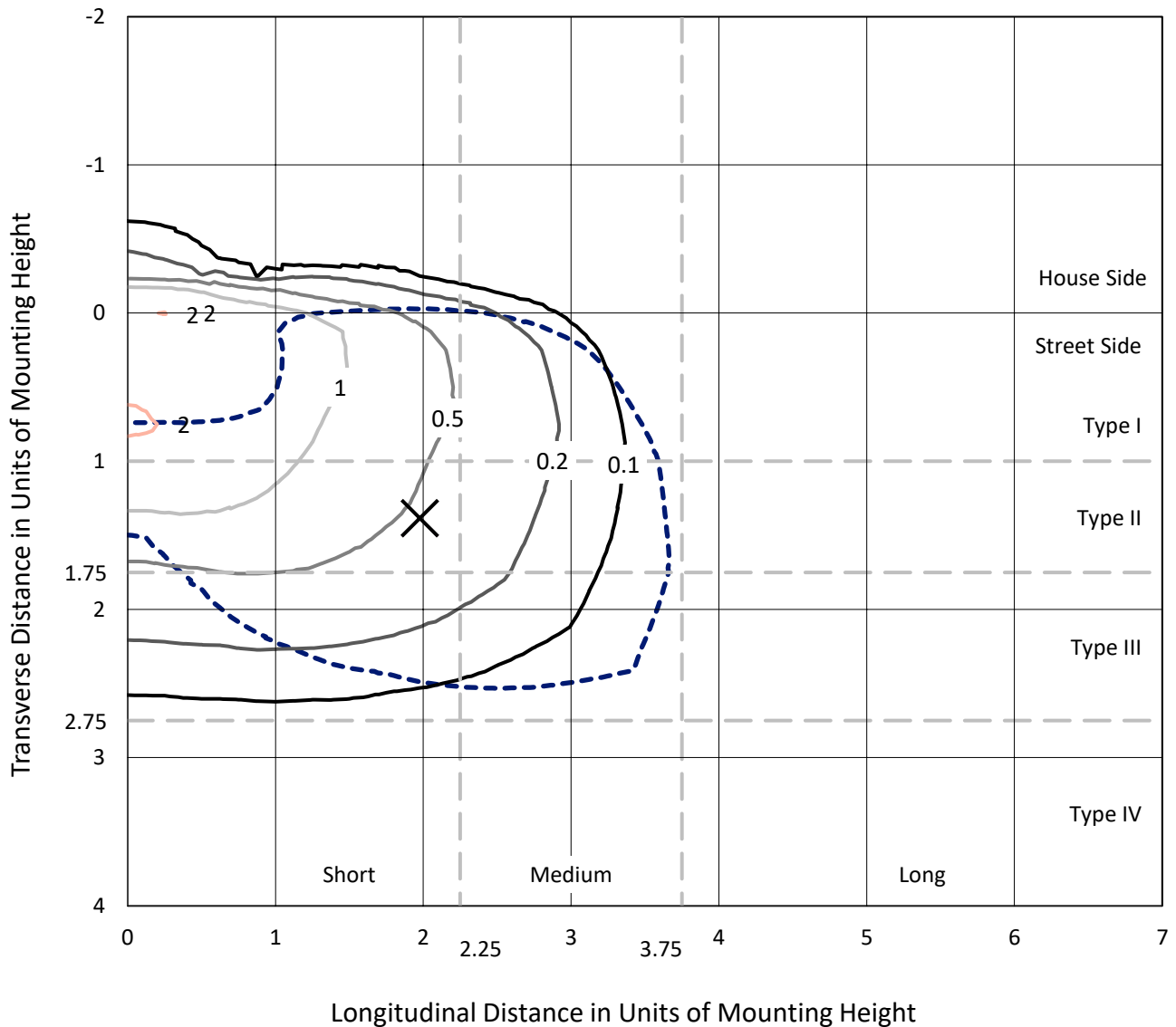
Lumens per Lamp: N/A  
Luminaire Lumens: 2494.2 lumens  
Efficiency: N/A  
Efficacy: 103.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1

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

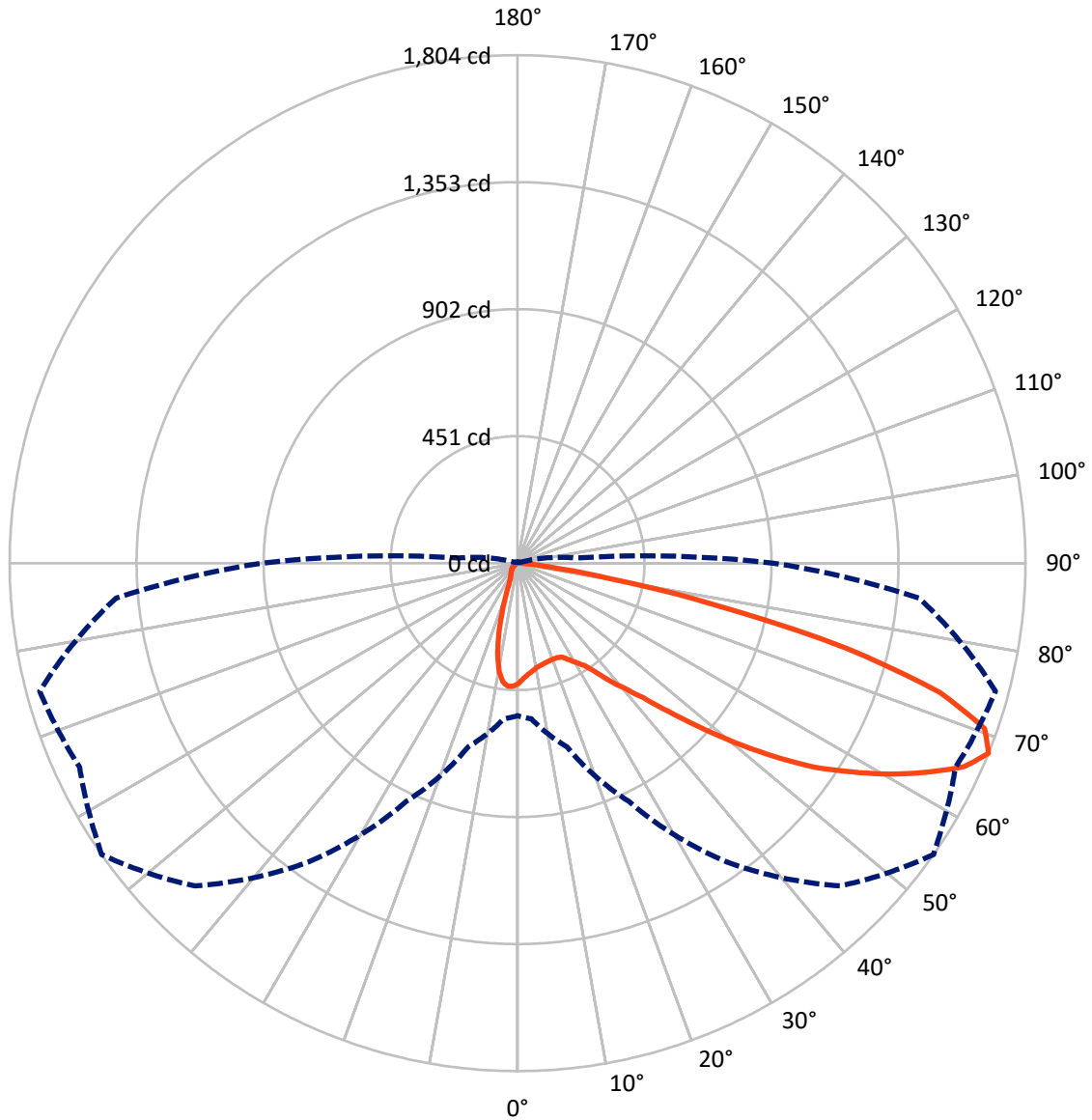
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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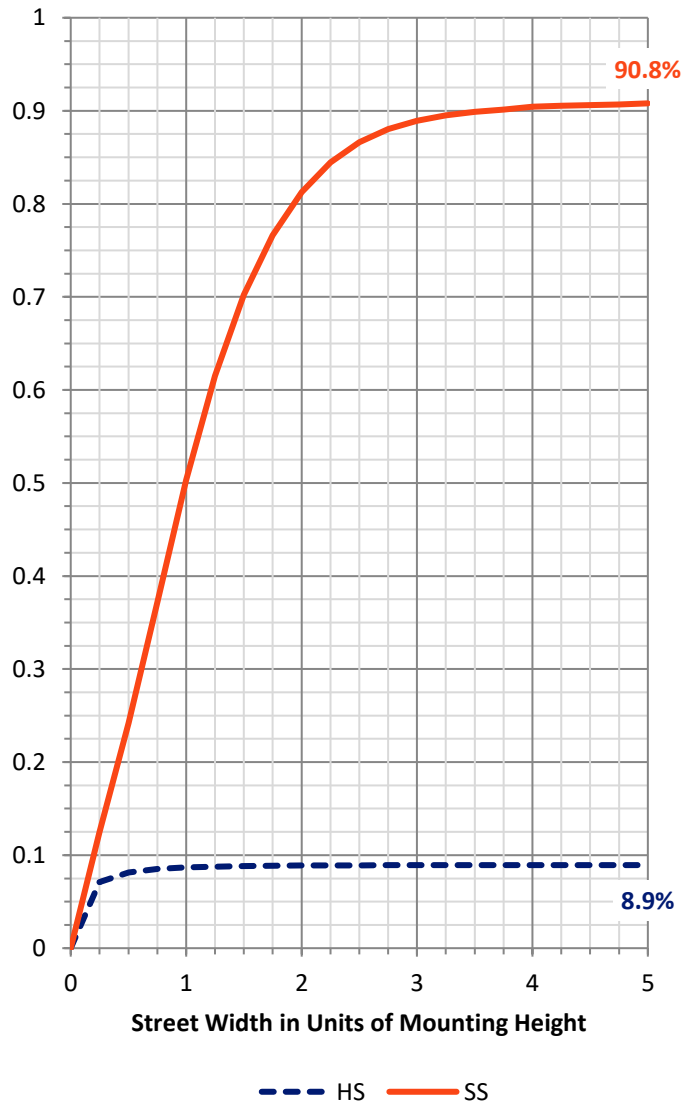
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	224.1	0.0	224.1
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	2270.1	0.0	2270.1
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	2494.2	0.0	2494.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.5	1.5
10°-20°	85.4	3.4
20°-30°	137.0	5.5
30°-40°	237.7	9.5
40°-50°	396.3	15.9
50°-60°	579.5	23.2
60°-70°	675.7	27.1
70°-80°	327.9	13.1
80°-90°	17.1	0.7
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°	2494.2	100.0
0°-180°	2494.2	100.0



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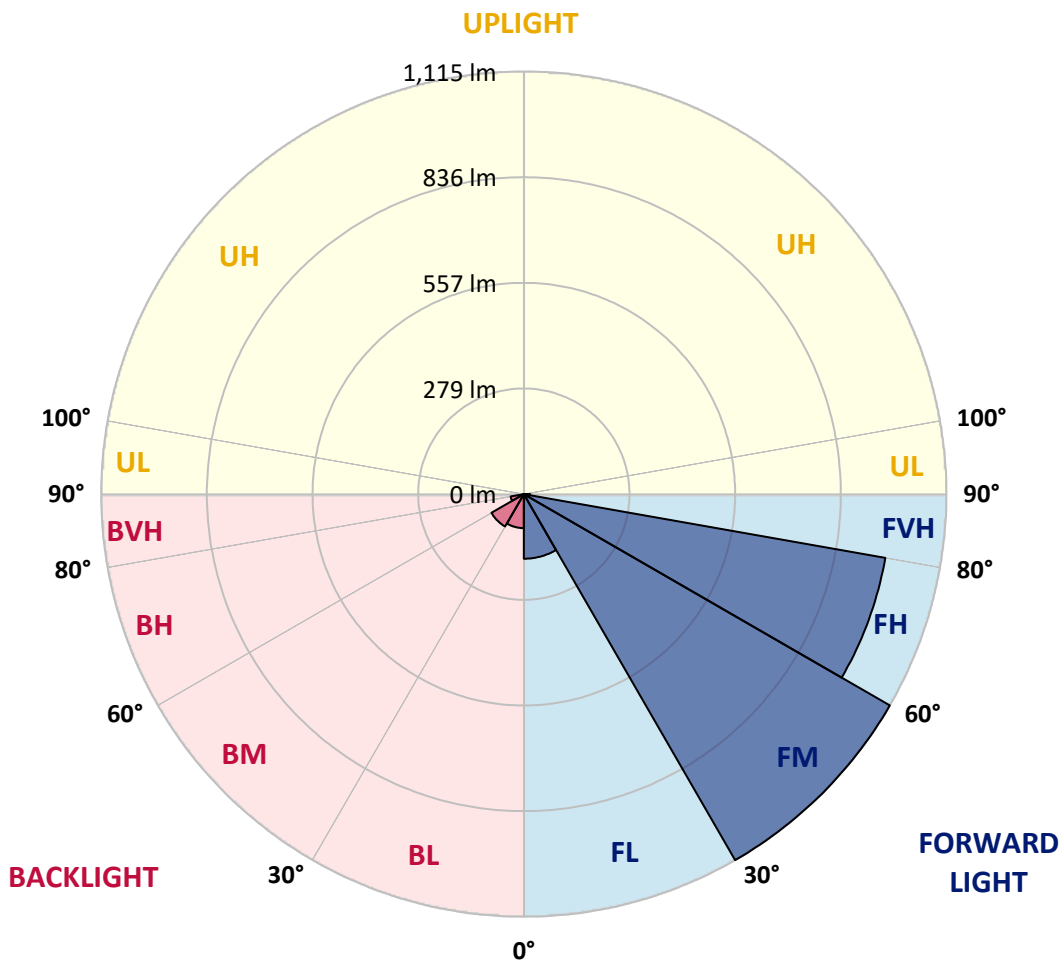
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	170.4	6.8			
FM (30°-60°)	1114.8	44.7			
FH (60°-80°)	968.3	38.8			G1/1800
FVH (80°-90°)	16.6	0.7			G1/100
BL (0°-30°)	89.6	3.6	B0/110		
BM (30°-60°)	98.6	4.0	B0/220		
BH (60°-80°)	35.3	1.4	B0/110		G0/110
BVH (80°-90°)	0.5	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-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	427.4	427.4	427.4	427.4	427.4	427.4	427.4	427.4	427.4	427.4	427.4
2.5°	394.6	397.1	400.3	401.5	405.4	410.9	409.3	408.1	414.3	422.8	425.6
5°	370.0	370.2	375.3	378.9	385.6	390.9	396.6	396.2	407.4	421.9	431.1
7.5°	345.8	346.3	351.6	357.3	367.0	377.3	386.1	385.6	403.8	423.1	440.5
10°	314.1	316.4	322.9	333.0	348.1	364.5	376.6	377.8	399.6	427.4	453.4
12.5°	288.6	289.8	296.9	310.0	327.9	349.3	372.0	371.4	400.5	435.5	470.2
15°	277.8	277.1	281.5	291.2	311.6	338.5	367.4	369.1	403.8	444.7	487.6
17.5°	280.4	279.7	282.0	285.4	299.9	329.5	364.9	367.7	408.8	454.3	503.9
20°	308.4	303.6	299.4	295.8	297.8	322.2	363.3	366.3	411.8	461.7	521.2
22.5°	362.4	356.4	345.4	324.9	311.4	322.6	363.8	367.7	418.5	473.6	542.1
25°	450.4	444.7	421.0	379.2	343.3	339.2	370.0	374.1	433.9	491.8	564.4
27.5°	566.9	554.0	525.3	465.3	396.2	365.6	388.6	393.2	455.7	505.8	579.6
30°	663.7	660.7	633.1	559.6	469.0	404.4	409.5	412.0	465.6	514.3	594.7
32.5°	764.1	757.9	732.6	661.1	553.6	459.8	432.9	434.1	478.4	526.9	616.8
35°	851.4	845.7	824.5	755.1	652.4	534.3	471.8	469.3	505.1	554.7	646.7
37.5°	932.3	931.6	913.0	842.2	741.1	611.5	529.0	526.9	546.7	585.3	687.1
40°	1011.3	1009.5	993.7	929.1	828.4	688.5	583.5	578.2	582.1	628.0	740.4
42.5°	1059.8	1063.7	1069.3	1028.4	932.1	778.8	652.4	649.2	648.5	694.9	810.5
45°	1086.0	1092.9	1125.3	1121.7	1041.9	891.2	750.5	742.3	739.5	786.8	890.7
47.5°	1111.5	1114.5	1167.6	1189.9	1147.2	1008.4	869.1	857.6	846.4	899.0	986.5
50°	1113.1	1118.0	1183.7	1237.9	1235.4	1123.7	1002.2	992.0	979.2	1035.5	1080.1
52.5°	1090.6	1100.3	1181.6	1268.3	1290.1	1225.5	1140.3	1132.0	1121.4	1163.5	1158.9
55°	935.1	951.4	1141.2	1271.0	1328.5	1312.8	1279.1	1267.6	1257.2	1287.1	1236.1
57.5°	861.1	870.3	1018.5	1269.0	1377.4	1393.7	1399.5	1394.2	1379.7	1416.9	1316.8
60°	816.7	830.0	959.9	1246.0	1430.3	1485.2	1521.3	1510.7	1493.0	1544.3	1403.2
62.5°	763.6	773.3	901.5	1179.8	1461.8	1578.3	1635.5	1625.8	1589.3	1661.7	1473.0
65°	665.7	680.2	808.7	1075.7	1419.5	1646.5	1743.0	1739.8	1676.4	1750.4	1492.1
67.5°	541.9	555.0	674.7	933.0	1295.8	1621.0	1803.9	1793.8	1715.9	1757.0	1431.6
70°	406.7	413.9	504.2	712.8	1061.7	1484.7	1759.8	1757.7	1655.9	1658.2	1246.2
72.5°	218.3	238.1	335.3	477.1	746.6	1202.5	1568.4	1560.1	1477.4	1358.1	896.2
75°	76.3	82.0	178.6	267.9	405.6	801.1	1206.0	1186.7	1104.9	883.3	488.3
77.5°	46.9	51.5	79.3	137.0	157.9	347.7	724.6	699.5	646.7	381.9	166.8
80°	32.4	36.5	53.1	71.7	53.8	112.6	333.4	324.0	249.3	91.0	38.4
82.5°	18.2	21.8	40.2	35.2	21.6	29.2	115.6	107.1	66.4	24.6	12.9
85°	10.6	12.6	28.3	24.8	11.0	10.3	30.1	26.9	17.2	9.2	6.2
87.5°	5.5	7.1	20.7	16.5	6.7	3.7	6.9	6.7	4.4	3.2	4.1
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°	427.4	427.4	427.4	427.4	427.4	427.4	427.4	427.4	427.4	427.4	427.4
2.5°	430.6	429.5	435.5	437.5	437.1	436.2	438.5	435.5	435.2	434.6	433.9
5°	438.5	440.3	445.1	445.1	438.7	428.1	421.7	412.9	405.6	401.2	400.5
7.5°	450.2	453.9	457.1	447.2	425.1	398.9	371.1	349.3	330.2	320.3	319.4
10°	466.7	470.2	467.6	439.4	392.0	337.8	292.5	247.0	224.3	211.9	211.9
12.5°	486.5	489.2	473.8	419.8	337.6	259.0	198.5	150.7	128.0	113.3	112.4
15°	507.9	508.5	472.9	385.8	270.2	174.0	114.0	83.6	74.0	71.9	71.5
17.5°	526.5	523.7	463.3	335.5	194.6	103.6	72.4	65.5	63.7	63.7	63.7
20°	543.9	534.7	444.0	276.9	124.8	70.5	62.3	60.4	60.4	60.7	60.7
22.5°	563.2	545.1	416.4	211.9	80.2	60.4	58.4	57.4	57.2	57.9	57.7
25°	586.0	555.2	376.9	146.4	62.0	56.3	55.4	54.5	54.5	54.5	54.5
27.5°	598.6	553.8	331.8	92.4	54.2	52.2	51.2	50.3	49.6	49.4	49.6
30°	609.7	545.8	273.0	64.6	48.9	46.6	46.0	44.8	43.4	43.0	43.0
32.5°	624.1	539.1	211.4	51.9	44.4	41.8	39.8	37.9	35.6	34.7	34.5
35°	640.2	526.9	154.9	45.7	40.2	37.0	33.8	30.8	27.8	26.9	26.7
37.5°	660.2	515.9	105.0	42.3	36.8	32.9	28.5	24.4	21.6	21.1	21.1
40°	687.3	506.7	72.6	39.3	33.6	29.0	23.7	19.3	17.5	17.0	17.0
42.5°	724.3	499.1	54.9	36.8	30.8	25.0	19.1	15.9	14.5	14.0	14.0
45°	768.0	487.4	46.4	34.5	28.0	21.1	15.9	13.3	12.6	12.6	12.6
47.5°	818.1	472.7	42.3	32.2	25.0	17.2	13.3	12.2	11.9	11.9	12.2
50°	868.6	455.2	39.3	29.4	21.6	14.7	12.2	11.5	11.5	11.7	11.7
52.5°	902.9	427.9	36.3	26.4	18.2	12.9	11.5	11.3	11.0	11.0	11.0
55°	936.2	404.0	32.2	23.2	15.2	11.9	11.0	10.8	10.8	10.6	10.6
57.5°	970.9	385.1	26.9	19.3	12.9	11.3	10.6	10.6	10.1	9.9	9.9
60°	1011.1	368.6	20.7	15.2	11.3	10.6	9.9	9.7	9.2	8.7	8.7
62.5°	1022.8	333.7	15.6	12.2	9.7	9.2	9.0	8.5	7.4	6.4	6.7
65°	992.3	278.7	12.4	9.7	7.8	7.8	7.1	6.0	4.8	4.1	4.1
67.5°	907.9	208.2	10.1	7.6	6.2	6.0	5.1	4.4	3.0	2.5	2.5
70°	748.2	137.6	8.3	6.0	5.1	4.1	3.4	3.2	2.3	1.8	1.8
72.5°	524.4	74.7	6.9	4.8	3.7	2.8	2.3	2.1	1.6	1.4	1.1
75°	276.9	28.7	5.5	3.7	2.3	1.8	1.4	1.4	1.1	0.9	0.9
77.5°	94.9	12.2	3.9	2.1	1.6	1.1	0.9	0.7	0.9	0.7	0.7
80°	22.5	7.1	2.5	1.4	0.9	0.7	0.7	0.5	0.5	0.5	0.5
82.5°	9.9	4.1	1.6	0.9	0.9	0.7	0.5	0.2	0.2	0.2	0.2
85°	6.7	2.5	1.1	0.9	0.7	0.5	0.2	0.2	0.0	0.0	0.0
87.5°	5.3	1.6	0.9	0.9	0.7	0.5	0.2	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)