

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: P674393

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674393  
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-AFL-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ AFL distribution lens and House Side Shield  
Light Source: (16) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

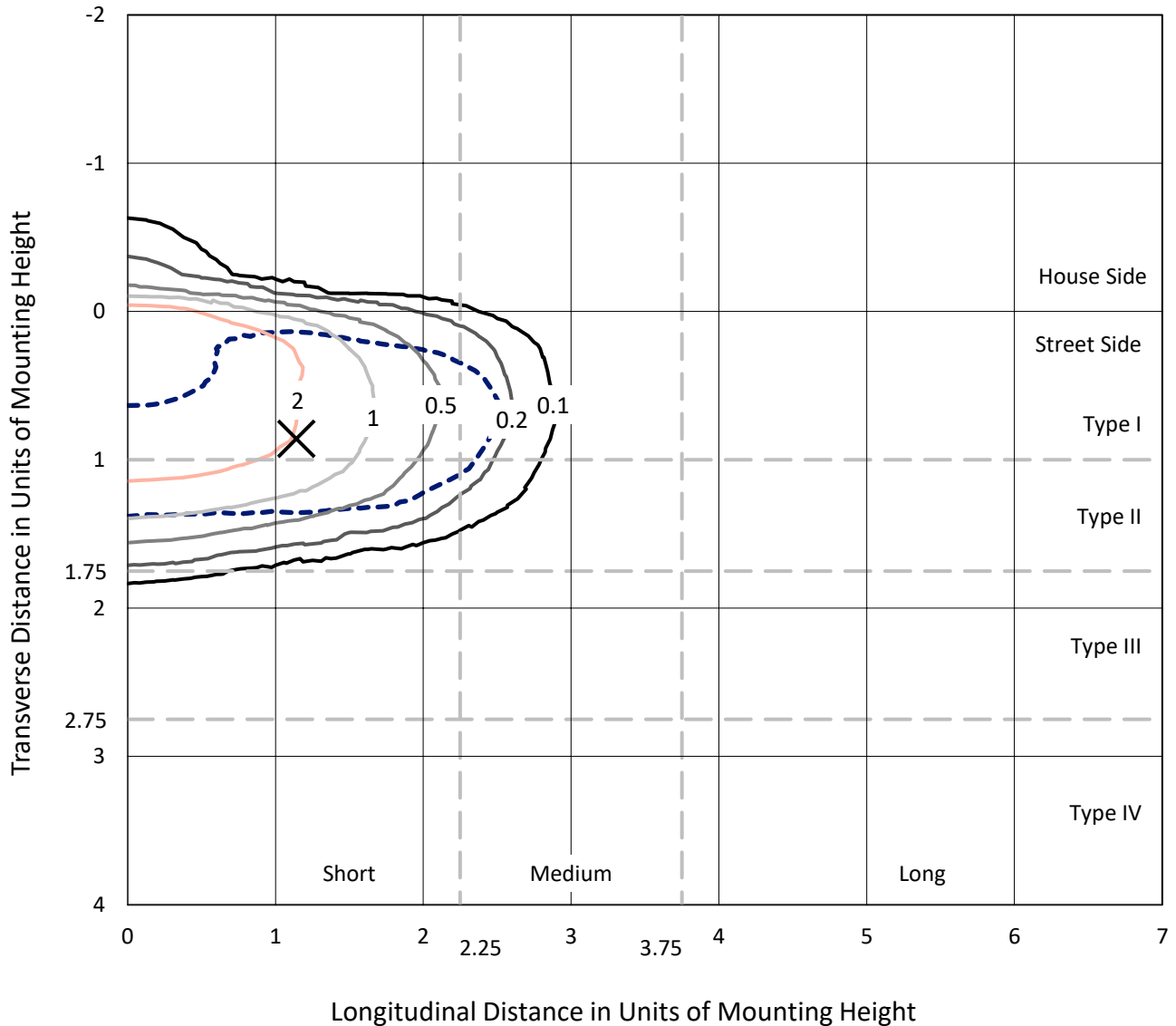
Lumens per Lamp: N/A  
Luminaire Lumens: 2607.9 lumens  
Efficiency: N/A  
Efficacy: 108.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G0

Input Watts (W): 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

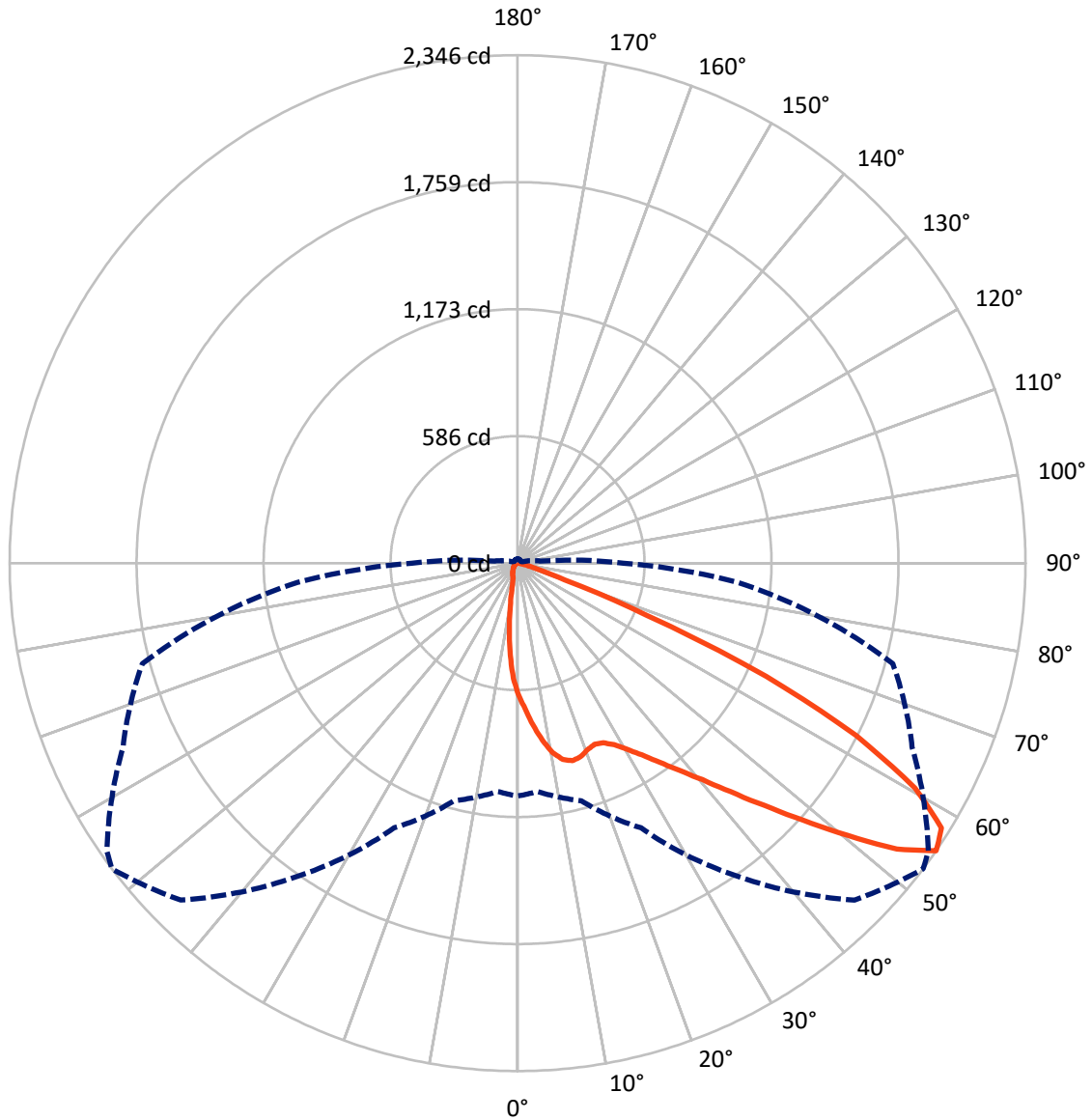
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 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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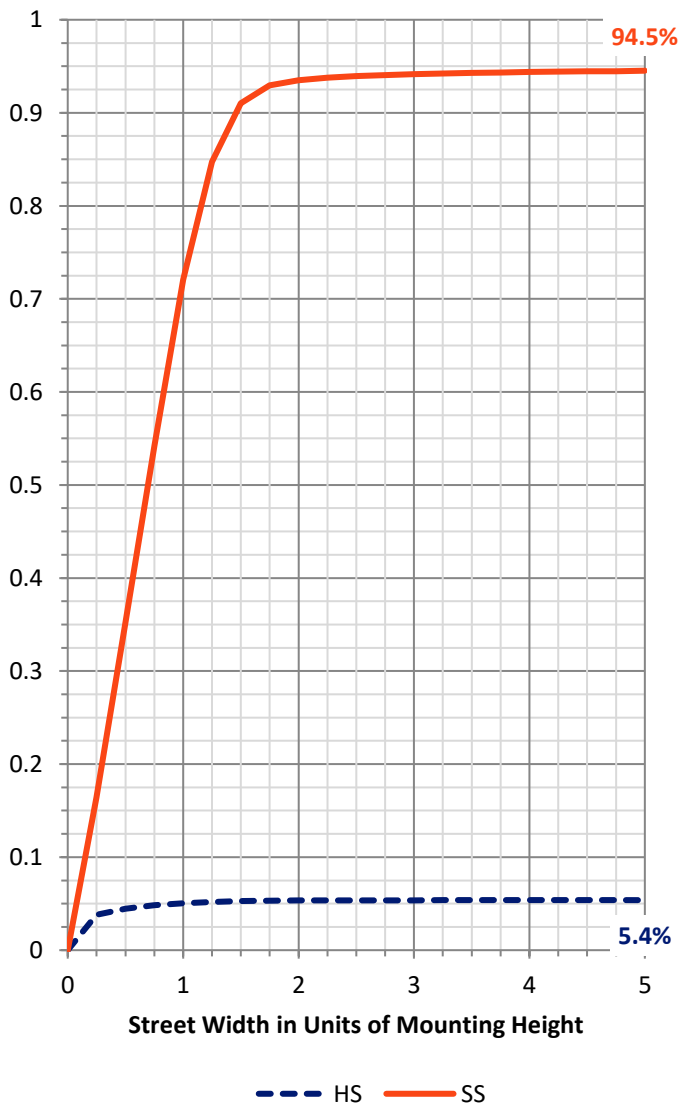
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	141.0	0.0	141.0
	% Fixture	5.4	0.0	5.4
<b>Street Side</b>	Lumens	2466.9	0.0	2466.9
	% Fixture	94.6	0.0	94.6
<b>Total</b>	Lumens	2607.9	0.0	2607.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.6	2.1
10°-20°	142.6	5.5
20°-30°	238.6	9.2
30°-40°	390.4	15.0
40°-50°	627.6	24.1
50°-60°	708.5	27.2
60°-70°	377.9	14.5
70°-80°	62.1	2.4
80°-90°	5.6	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°	2607.9	100.0
0°-180°	2607.9	100.0

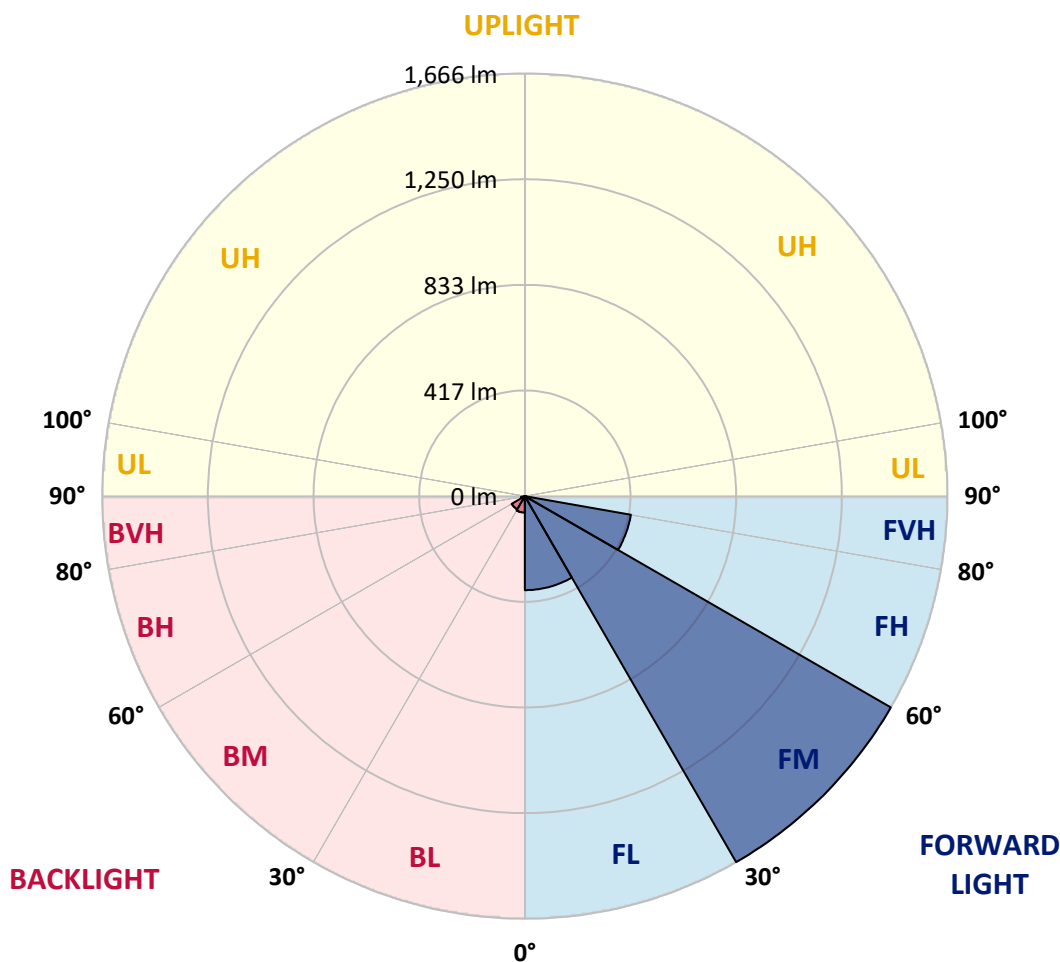


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	370.7	14.2			
FM (30°-60°)	1666.5	63.9			
FH (60°-80°)	424.6	16.3			G0/660
FVH (80°-90°)	5.1	0.2			G0/10
BL (0°-30°)	65.1	2.5	B0/110		
BM (30°-60°)	60.1	2.3	B0/220		
BH (60°-80°)	15.4	0.6	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-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3
2.5°	731.9	727.5	730.0	723.4	711.3	696.2	673.6	674.7	656.9	641.4	619.9
5°	852.7	848.2	846.8	829.9	813.0	785.8	752.2	746.7	714.0	674.5	629.5
7.5°	916.5	912.6	915.6	909.4	892.7	868.0	825.5	821.4	770.9	711.1	644.8
10°	887.2	885.9	898.4	913.1	926.5	923.6	889.5	883.1	826.5	751.3	660.6
12.5°	808.6	813.0	829.0	855.9	897.5	936.6	931.1	932.3	883.1	794.9	677.9
15°	762.5	767.7	776.9	790.8	842.0	911.5	946.9	958.3	937.5	843.6	698.5
17.5°	758.6	762.9	764.3	769.6	799.5	871.0	940.5	962.2	986.0	889.5	721.6
20°	788.5	790.4	789.2	785.3	796.1	849.1	920.4	951.4	1025.9	938.4	741.9
22.5°	845.0	842.2	838.8	824.4	823.7	855.3	909.4	941.9	1049.7	978.9	755.4
25°	914.9	909.2	904.4	884.0	874.4	887.5	919.2	945.3	1071.2	1018.2	765.0
27.5°	991.2	993.0	981.2	953.7	938.7	935.9	949.6	969.0	1092.0	1053.4	770.3
30°	1072.8	1073.7	1058.2	1029.8	1016.1	998.5	997.6	1009.3	1114.4	1093.8	775.3
32.5°	1165.8	1168.3	1142.9	1113.5	1089.5	1066.6	1055.4	1065.2	1154.6	1146.6	785.6
35°	1300.1	1289.2	1254.9	1210.3	1176.3	1146.4	1129.2	1135.6	1208.0	1209.9	806.1
37.5°	1438.6	1437.5	1399.5	1335.3	1279.6	1242.3	1213.1	1223.6	1283.2	1294.6	839.0
40°	1567.7	1570.7	1537.8	1481.8	1410.0	1346.1	1314.8	1321.8	1383.1	1397.5	879.0
42.5°	1652.0	1650.4	1652.9	1636.9	1565.0	1489.6	1442.5	1446.4	1499.1	1506.7	929.1
45°	1690.9	1684.7	1706.2	1756.9	1728.3	1649.0	1595.3	1590.5	1619.6	1617.5	974.5
47.5°	1657.3	1645.8	1695.2	1817.4	1872.7	1848.7	1772.0	1763.3	1738.6	1722.2	1021.8
50°	1490.2	1485.2	1590.8	1788.7	1963.4	2033.4	1976.9	1944.7	1844.9	1799.4	1046.7
52.5°	1331.4	1317.5	1388.8	1641.7	1923.0	2181.9	2193.5	2136.2	1933.1	1821.6	1038.3
55°	1075.5	1058.4	1136.1	1348.8	1762.8	2200.9	2345.7	2315.8	2010.3	1794.1	1021.1
57.5°	653.3	636.4	750.6	966.1	1409.8	2043.2	2308.2	2338.6	2069.7	1764.0	1009.9
60°	274.6	263.9	308.7	461.1	900.3	1679.2	2109.5	2185.3	2080.9	1722.6	1014.5
62.5°	142.8	138.0	140.5	184.6	364.0	1105.7	1755.7	1887.8	1968.0	1704.3	1019.1
65°	107.2	103.5	95.5	101.5	141.4	478.0	1261.7	1438.6	1723.3	1658.0	988.2
67.5°	88.0	84.5	78.8	77.0	83.4	165.9	644.1	874.0	1350.4	1460.3	877.6
70°	70.1	69.0	67.2	63.7	62.6	80.4	231.0	356.2	893.0	1029.8	636.1
72.5°	58.5	58.7	56.7	53.7	49.6	51.9	92.1	121.8	432.1	493.8	266.4
75°	48.9	48.9	49.6	45.5	41.4	35.6	51.2	59.4	138.7	114.0	56.9
77.5°	38.4	38.8	41.8	38.4	33.1	22.4	27.9	31.8	41.1	32.9	20.8
80°	30.6	30.2	29.0	34.5	29.7	15.8	13.3	14.6	19.2	15.8	10.3
82.5°	21.5	21.2	20.3	23.3	23.1	11.7	8.7	8.9	11.7	10.1	6.4
85°	5.3	6.2	13.0	11.0	9.6	6.9	5.3	5.7	7.5	6.6	3.4
87.5°	2.3	2.3	5.9	7.1	4.6	3.0	2.3	2.5	3.9	3.9	2.1
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°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3
2.5°	612.4	597.5	578.8	558.9	538.6	514.1	498.6	485.8	475.7	468.0	465.2
5°	614.6	586.1	543.6	490.8	437.1	386.8	348.0	319.2	295.4	282.4	276.7
7.5°	614.4	576.5	499.7	411.3	324.0	251.6	200.2	168.4	147.2	138.5	133.2
10°	614.2	563.9	449.7	323.1	216.6	145.8	107.4	89.6	81.8	78.8	78.4
12.5°	620.8	549.5	393.7	237.9	136.0	90.7	74.7	70.6	68.8	67.9	67.6
15°	624.5	536.3	334.7	167.9	91.6	71.7	66.7	64.9	64.2	63.7	63.5
17.5°	628.4	515.7	278.8	121.6	73.3	65.1	62.2	61.0	60.6	60.6	60.6
20°	629.0	493.5	223.2	89.6	65.1	60.8	57.8	56.7	56.0	55.5	55.5
22.5°	624.0	467.3	175.5	72.7	60.3	56.7	53.5	51.6	50.5	50.3	50.3
25°	611.4	430.0	134.6	63.7	56.4	52.6	48.7	46.6	45.7	45.7	45.7
27.5°	593.4	386.2	104.0	56.7	51.4	47.5	44.1	42.3	42.0	41.8	42.0
30°	572.8	343.9	79.5	50.3	45.5	42.3	39.5	38.6	39.1	39.1	39.3
32.5°	552.3	301.6	62.2	45.2	40.2	37.5	36.1	36.1	36.8	36.8	36.8
35°	534.7	260.3	52.1	41.1	36.6	34.3	33.6	34.3	34.7	35.0	35.0
37.5°	524.9	224.6	45.9	37.5	33.6	31.8	31.5	32.2	33.1	33.8	34.0
40°	521.2	197.2	42.3	34.7	30.8	29.7	29.5	30.4	32.0	33.1	33.4
42.5°	521.4	173.0	39.1	32.0	29.0	27.4	27.4	28.8	30.4	31.5	31.5
45°	523.0	152.2	35.9	29.2	27.4	24.7	24.9	26.7	27.9	29.0	29.0
47.5°	524.4	135.5	32.4	26.3	23.8	22.4	22.8	24.2	25.8	27.6	27.6
50°	516.4	123.6	29.0	23.1	20.8	20.3	21.2	22.4	24.7	26.5	26.7
52.5°	497.2	112.9	26.0	20.6	18.7	19.0	20.1	20.8	22.6	22.8	23.1
55°	488.7	107.4	23.8	18.7	17.1	17.8	18.5	18.7	18.3	17.1	17.1
57.5°	486.9	103.7	21.5	16.9	15.8	16.7	16.5	15.1	13.7	12.3	12.1
60°	488.7	98.7	19.7	14.6	14.4	14.6	13.9	11.4	9.6	8.7	8.2
62.5°	478.2	91.4	18.1	12.6	12.6	12.3	10.5	7.8	6.2	5.5	5.3
65°	443.5	77.0	16.5	10.5	10.3	9.8	7.1	5.3	4.1	3.4	3.2
67.5°	375.2	59.6	14.9	8.7	8.2	6.9	4.6	3.4	2.3	2.1	1.8
70°	255.9	37.0	12.6	6.9	6.2	4.3	2.7	2.1	1.4	1.1	0.9
72.5°	92.8	21.5	10.5	5.3	4.1	2.7	1.6	0.9	0.7	0.7	0.5
75°	21.9	15.1	8.0	3.9	2.7	1.6	0.9	0.7	0.5	0.5	0.2
77.5°	10.1	11.7	5.3	2.3	1.8	1.1	0.7	0.5	0.2	0.2	0.0
80°	5.7	8.2	2.5	1.6	1.4	0.9	0.5	0.2	0.2	0.0	0.0
82.5°	3.0	4.6	1.8	1.4	1.1	0.7	0.5	0.0	0.0	0.0	0.0
85°	2.1	2.3	1.4	1.1	0.9	0.7	0.5	0.0	0.0	0.0	0.0
87.5°	1.6	1.6	1.4	1.1	0.9	0.7	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)