

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: P674538

Luminaire Tested: **CCP-SA-1C-730-U-T2R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674538  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-730-U-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T2R distribution lens and House Side Shield  
Light Source: (16) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

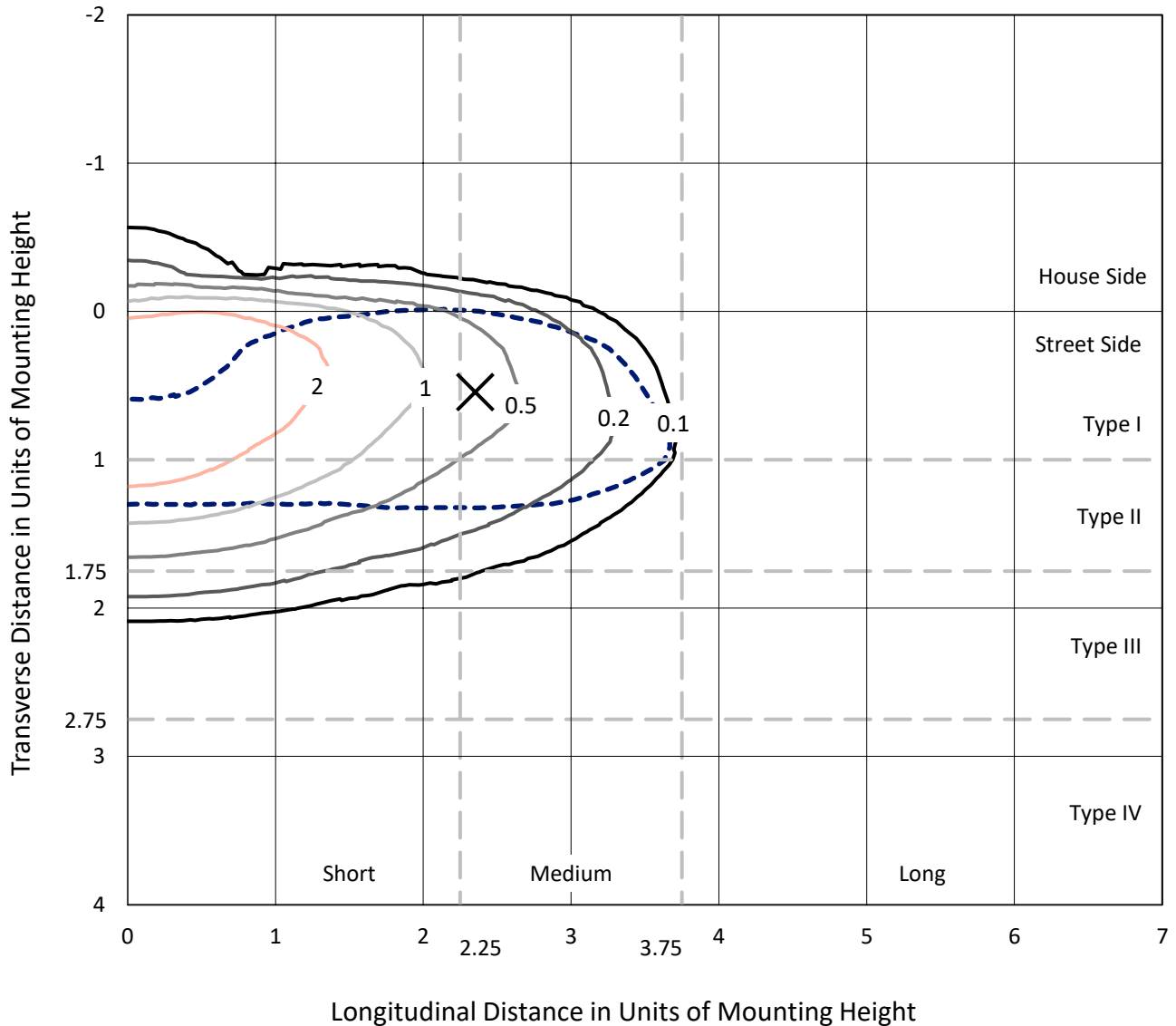
Lumens per Lamp: N/A  
Luminaire Lumens: 3333.6 lumens  
Efficiency: N/A  
Efficacy: 104.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G1

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

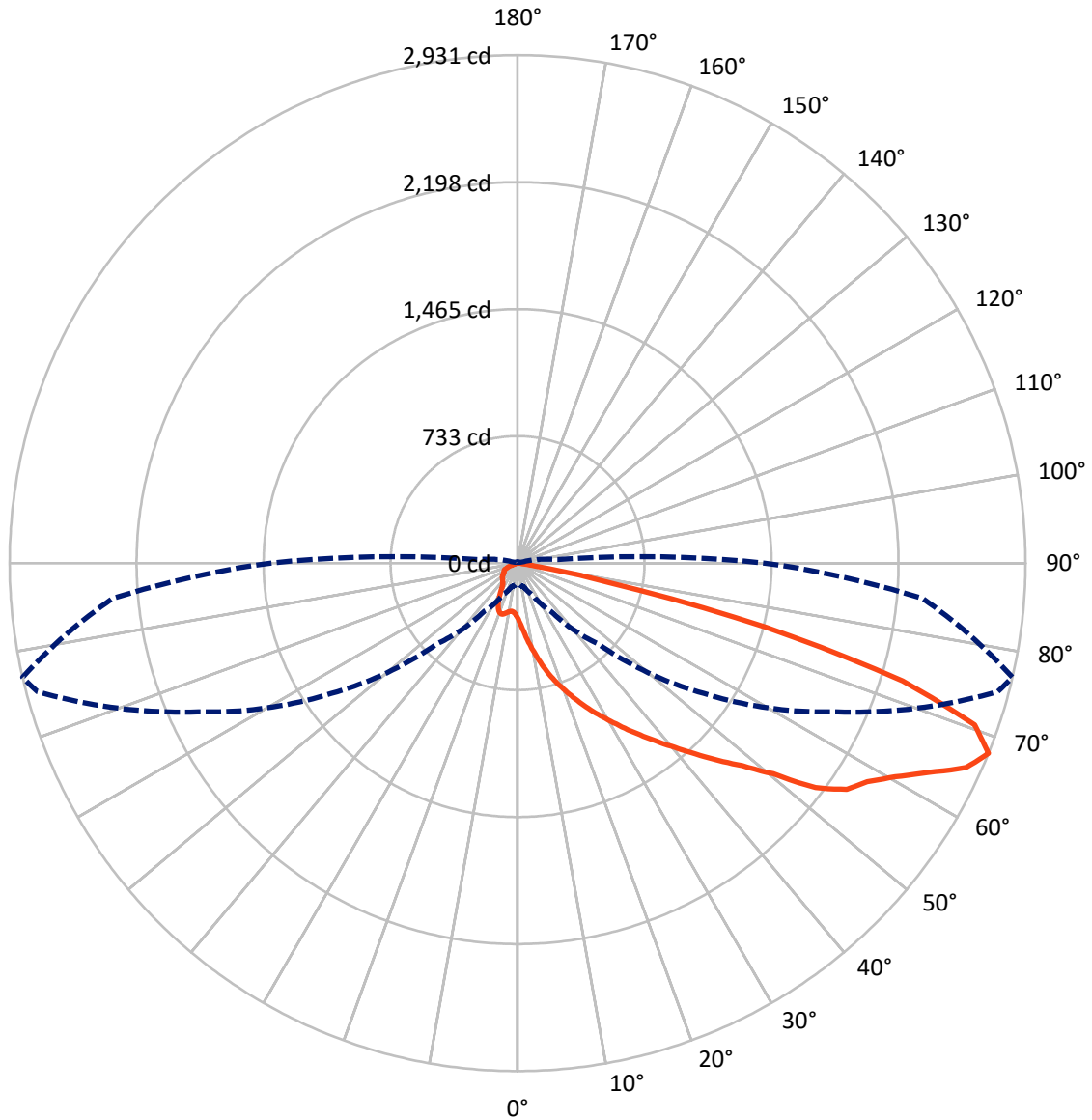
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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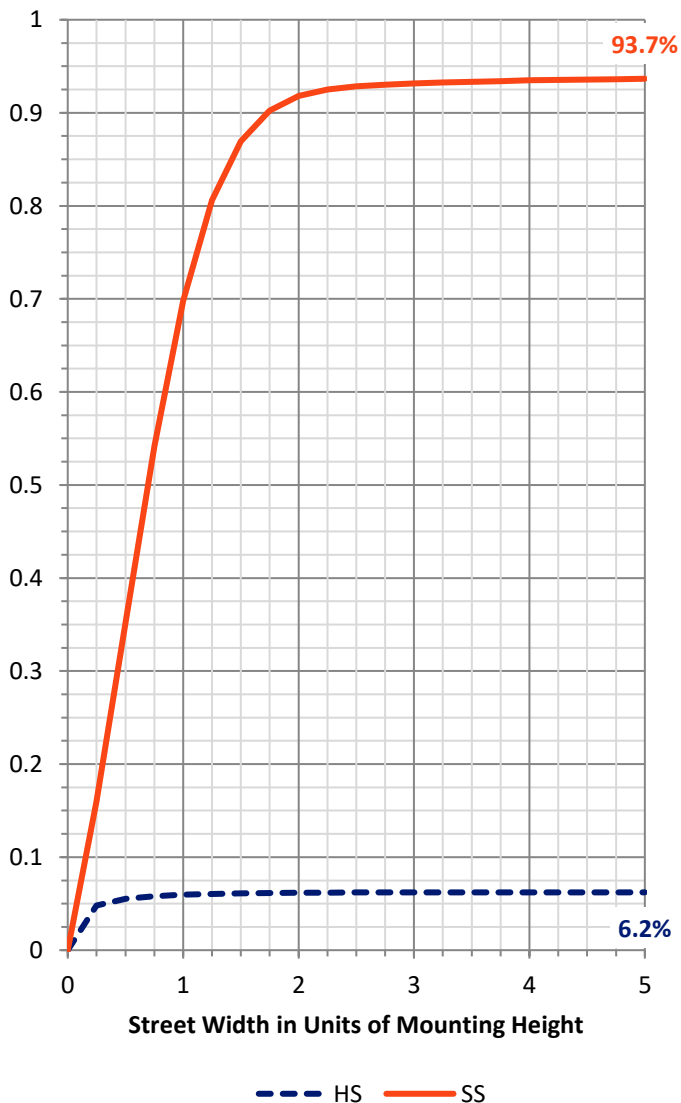
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	208.3	0.0	208.3
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	3125.3	0.0	3125.3
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	3333.6	0.0	3333.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.5	1.1
10°-20°	138.8	4.2
20°-30°	271.1	8.1
30°-40°	474.0	14.2
40°-50°	691.3	20.7
50°-60°	808.3	24.2
60°-70°	655.2	19.7
70°-80°	246.2	7.4
80°-90°	11.2	0.3
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°	3333.6	100.0
0°-180°	3333.6	100.0

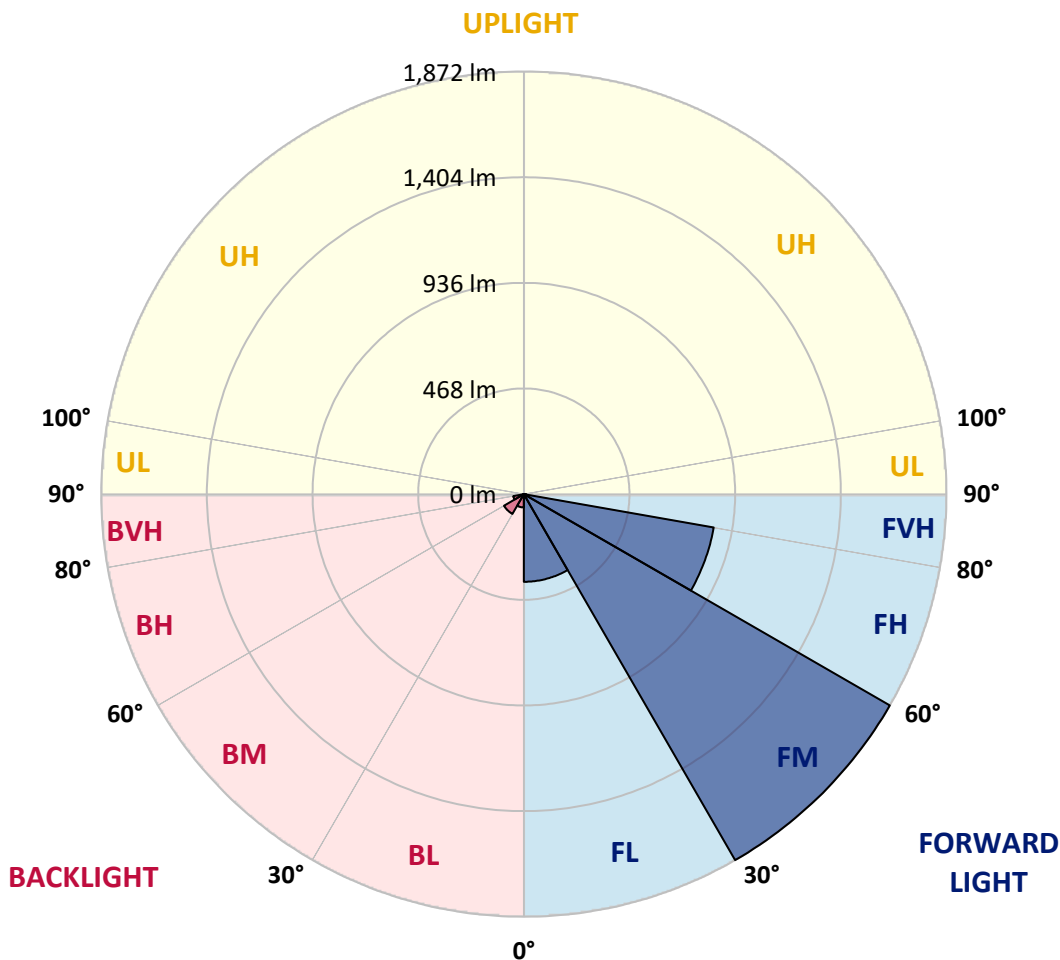


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	388.3	11.6			
FM (30°-60°)	1872.2	56.2			
FH (60°-80°)	854.2	25.6			G1/1800
FVH (80°-90°)	10.5	0.3			G1/100
BL (0°-30°)	59.1	1.8	B0/110		
BM (30°-60°)	101.4	3.0	B0/220		
BH (60°-80°)	47.2	1.4	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-G1**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.3
2.5°	479.4	461.9	465.3	458.0	448.7	427.0	404.2	381.3	360.8	356.3	335.8
5°	613.9	608.5	602.8	598.0	578.4	551.3	510.1	457.7	410.5	402.4	359.9
7.5°	718.3	710.2	715.3	700.6	680.1	653.9	601.6	545.6	472.8	460.7	394.8
10°	795.4	790.9	793.3	786.4	776.4	750.2	698.5	628.4	544.1	521.2	434.0
12.5°	853.2	854.1	864.6	865.2	857.1	835.7	780.9	707.8	608.8	588.3	477.3
15°	895.3	896.2	909.1	923.0	932.3	921.2	871.5	789.7	684.9	656.9	522.7
17.5°	902.2	902.8	925.7	953.7	982.6	992.2	954.0	870.9	754.5	722.6	574.8
20°	906.7	911.8	932.3	964.5	1010.3	1040.0	1019.3	948.9	821.9	784.8	626.0
22.5°	961.5	961.5	973.5	996.4	1032.8	1079.5	1075.3	1020.5	887.5	850.8	676.8
25°	1077.7	1077.7	1065.9	1059.9	1079.5	1116.2	1126.7	1096.9	962.4	919.1	730.4
27.5°	1231.4	1231.4	1213.1	1168.8	1152.0	1167.3	1178.5	1163.4	1031.6	988.9	787.0
30°	1390.9	1396.4	1364.5	1308.2	1249.2	1237.5	1226.6	1223.3	1105.3	1057.2	844.4
32.5°	1551.0	1550.4	1510.7	1440.6	1363.6	1322.0	1286.8	1282.9	1183.6	1136.3	898.9
35°	1678.9	1679.2	1637.4	1565.5	1476.4	1423.4	1366.9	1348.5	1269.4	1216.7	963.9
37.5°	1789.7	1783.4	1738.2	1669.9	1586.8	1532.1	1461.7	1413.8	1358.1	1304.6	1028.9
40°	1853.2	1844.8	1800.8	1735.8	1672.9	1631.1	1569.1	1492.7	1455.6	1397.9	1102.9
42.5°	1862.5	1855.3	1826.1	1787.0	1735.5	1698.8	1682.2	1581.7	1558.0	1505.6	1191.4
45°	1836.3	1824.6	1815.0	1794.5	1780.1	1762.3	1784.9	1676.5	1675.3	1623.3	1279.0
47.5°	1771.3	1755.4	1757.8	1780.4	1796.6	1812.6	1883.0	1800.8	1793.6	1744.8	1393.9
50°	1660.3	1652.5	1678.9	1723.5	1787.9	1851.7	1980.8	1927.8	1956.4	1910.7	1552.5
52.5°	1434.6	1444.2	1523.4	1630.5	1741.8	1870.0	2072.6	2117.4	2190.5	2152.9	1712.0
55°	1163.7	1160.1	1265.7	1455.9	1633.8	1858.3	2112.6	2229.1	2344.0	2304.6	1800.8
57.5°	937.4	943.7	1015.1	1203.2	1450.5	1767.7	2121.9	2287.4	2405.7	2379.5	1883.0
60°	703.6	709.6	774.6	938.3	1206.8	1578.7	2044.9	2307.9	2521.6	2501.7	2014.2
62.5°	447.8	455.6	520.9	680.1	922.4	1285.0	1871.8	2286.5	2642.5	2659.1	2193.2
65°	220.3	227.2	275.4	397.2	616.6	960.9	1630.5	2205.0	2796.6	2843.9	2336.8
67.5°	121.9	125.2	141.7	202.2	344.0	659.1	1310.3	2030.7	2867.3	2930.5	2346.4
70°	94.8	95.7	102.0	118.0	167.6	386.7	932.0	1740.6	2720.8	2797.2	2151.1
72.5°	79.7	81.0	84.0	89.4	104.7	201.3	585.6	1345.2	2289.2	2323.8	1664.2
75°	58.4	60.2	68.6	73.4	82.8	122.2	258.2	808.3	1512.8	1478.8	931.1
77.5°	49.1	50.6	52.7	59.6	68.3	83.4	90.6	338.9	615.7	535.4	244.4
80°	33.4	35.2	40.9	44.5	57.8	55.1	37.6	90.9	123.7	100.8	46.9
82.5°	23.8	25.3	28.3	36.4	41.8	29.2	20.5	27.7	29.8	28.3	15.3
85°	7.5	9.6	20.5	30.1	22.6	9.9	12.9	10.5	9.3	9.0	6.0
87.5°	1.5	1.5	10.2	12.0	9.0	5.1	4.5	3.3	4.2	4.2	3.3
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°	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.3
2.5°	326.2	312.7	293.1	274.8	256.1	242.9	233.5	224.2	220.6	219.1	215.2
5°	340.7	314.8	276.0	244.7	221.8	207.3	198.6	191.1	186.3	184.8	182.7
7.5°	361.4	324.1	268.4	232.3	209.5	193.8	179.7	163.4	150.5	145.4	143.2
10°	384.0	338.3	269.6	229.9	199.5	165.2	133.6	107.4	96.0	91.8	88.8
12.5°	417.1	353.9	274.8	227.2	169.7	118.0	85.5	74.6	71.9	71.3	70.7
15°	450.2	375.9	283.2	209.2	126.7	80.4	71.0	67.1	65.6	64.1	64.1
17.5°	483.6	396.9	286.5	173.9	87.6	69.5	64.7	61.4	59.0	57.8	56.9
20°	521.2	419.2	276.9	130.9	70.1	63.5	58.1	54.2	52.1	50.9	50.0
22.5°	561.9	441.2	255.8	91.2	63.8	57.2	52.1	48.2	46.0	44.8	44.5
25°	600.1	460.1	222.1	68.6	57.5	51.2	46.3	43.0	41.5	40.3	40.0
27.5°	639.5	476.4	178.2	60.5	52.4	46.3	41.5	38.8	37.3	36.4	36.1
30°	678.0	487.5	132.7	55.4	47.8	41.8	37.6	35.5	34.0	33.1	32.8
32.5°	717.7	493.8	89.7	50.9	43.3	37.9	34.3	32.2	31.3	30.4	30.4
35°	756.0	492.9	64.7	46.6	39.7	34.3	31.0	29.5	29.2	28.3	28.3
37.5°	797.8	486.6	55.1	42.7	35.8	31.0	28.3	27.4	27.1	26.5	26.2
40°	845.3	472.5	50.3	39.7	32.5	28.3	25.9	25.3	25.0	24.4	24.4
42.5°	897.4	454.1	47.5	36.4	29.8	25.6	23.8	22.9	22.6	22.0	22.0
45°	957.9	436.7	45.7	33.1	27.4	23.5	21.7	20.8	20.5	19.9	19.9
47.5°	1040.3	426.7	42.7	30.1	24.7	21.4	19.6	19.0	18.4	17.8	17.8
50°	1153.8	415.0	38.8	27.1	22.6	19.3	18.1	17.2	16.9	16.3	16.3
52.5°	1247.1	390.0	34.9	24.1	20.2	17.8	16.6	15.9	15.3	15.0	15.0
55°	1279.9	360.8	31.0	21.7	18.4	16.6	15.3	14.7	14.4	14.1	14.1
57.5°	1332.3	351.5	27.4	19.3	16.6	15.3	14.1	13.8	13.5	13.2	12.9
60°	1421.6	356.9	24.1	17.2	15.0	13.8	12.9	12.6	12.0	11.4	11.4
62.5°	1508.3	350.3	20.5	15.0	12.9	12.3	11.4	10.8	9.6	8.7	8.1
65°	1529.4	306.1	17.8	12.6	10.8	10.2	9.3	8.1	6.3	5.1	5.1
67.5°	1427.4	232.6	15.3	10.8	9.0	8.4	6.6	5.4	3.9	3.0	3.0
70°	1177.9	147.5	12.6	8.4	7.5	5.7	4.2	3.9	2.7	2.4	2.1
72.5°	849.8	80.7	10.5	6.9	5.4	3.6	3.0	2.4	1.8	1.2	1.2
75°	430.3	37.9	7.8	5.4	3.6	2.4	1.8	1.2	1.2	0.9	0.9
77.5°	121.9	17.5	5.1	3.6	2.4	1.5	1.2	0.9	0.9	0.6	0.6
80°	24.1	8.7	3.3	2.4	1.8	1.2	0.9	0.6	0.6	0.3	0.3
82.5°	8.7	4.5	2.4	1.8	1.5	1.2	0.6	0.3	0.3	0.0	0.0
85°	4.5	2.4	1.8	1.5	1.2	0.9	0.6	0.3	0.0	0.0	0.0
87.5°	2.4	1.8	1.5	1.5	1.2	0.9	0.6	0.3	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)