

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: P674560

Luminaire Tested: **CCP-SA-1C-740-U-T2R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674560  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-740-U-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T2R distribution lens and House Side Shield  
Light Source: (16) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3660.9 lumens  
Efficiency: N/A  
Efficacy: 114.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G1

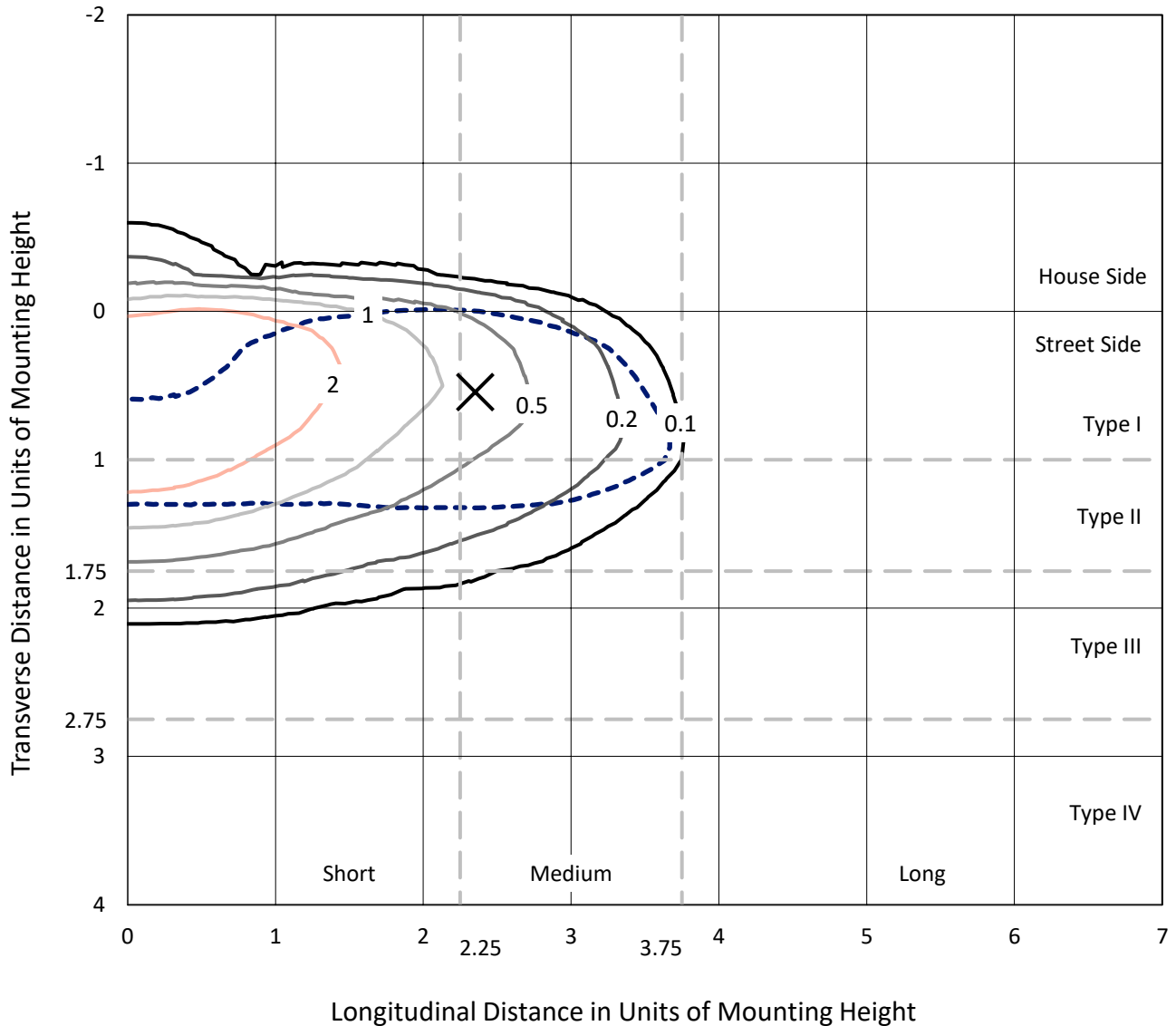
Input Watts (W): 32  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P674560  
 CATALOG NUMBER: CCP-SA-1C-740-U-T2R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

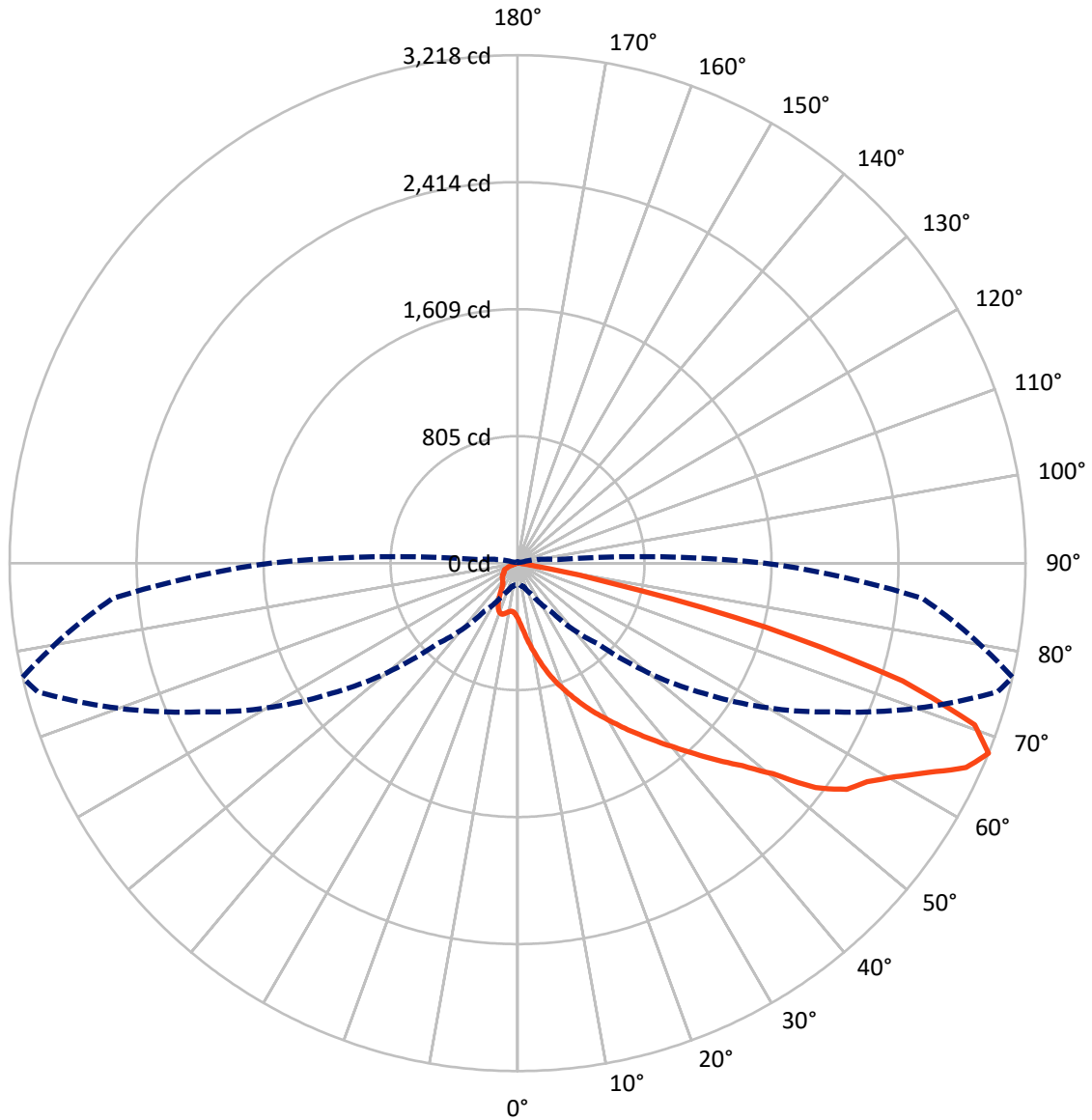
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 fc  
 Type II - Medium - N/A

REPORT NUMBER: P674560  
CATALOG NUMBER: CCP-SA-1C-740-U-T2R-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P674560  
 CATALOG NUMBER: CCP-SA-1C-740-U-T2R-HSS

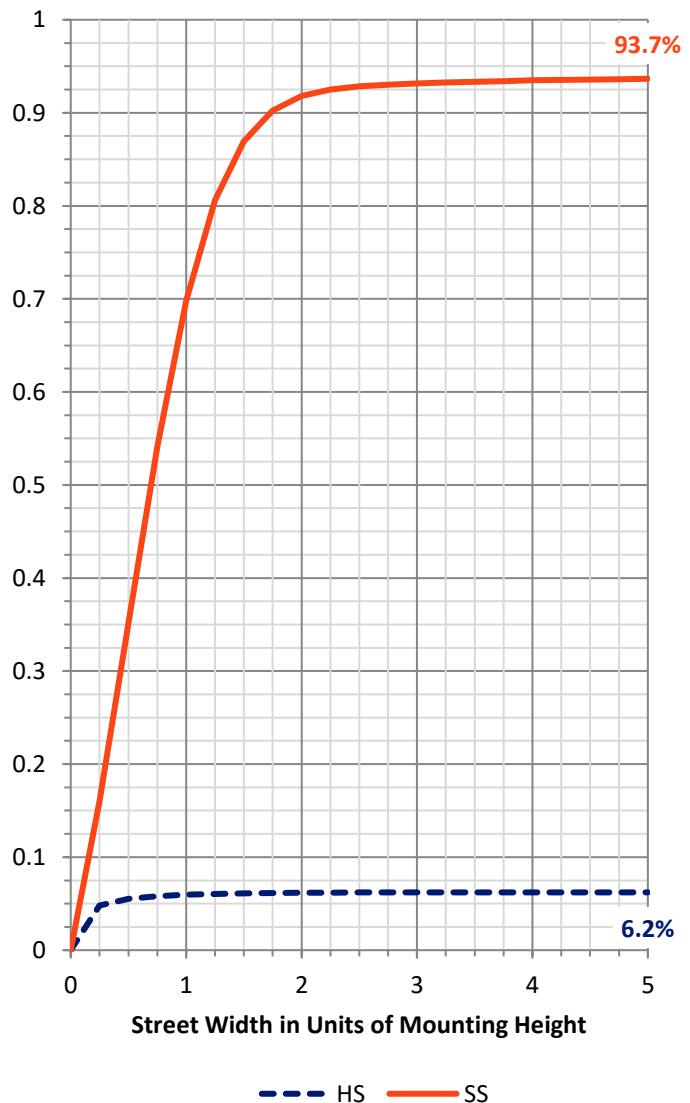
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	228.8	0.0	228.8
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	3432.1	0.0	3432.1
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	3660.9	0.0	3660.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.2	1.1
10°-20°	152.4	4.2
20°-30°	297.7	8.1
30°-40°	520.5	14.2
40°-50°	759.1	20.7
50°-60°	887.7	24.2
60°-70°	719.6	19.7
70°-80°	270.3	7.4
80°-90°	12.3	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°	3660.9	100.0
0°-180°	3660.9	100.0

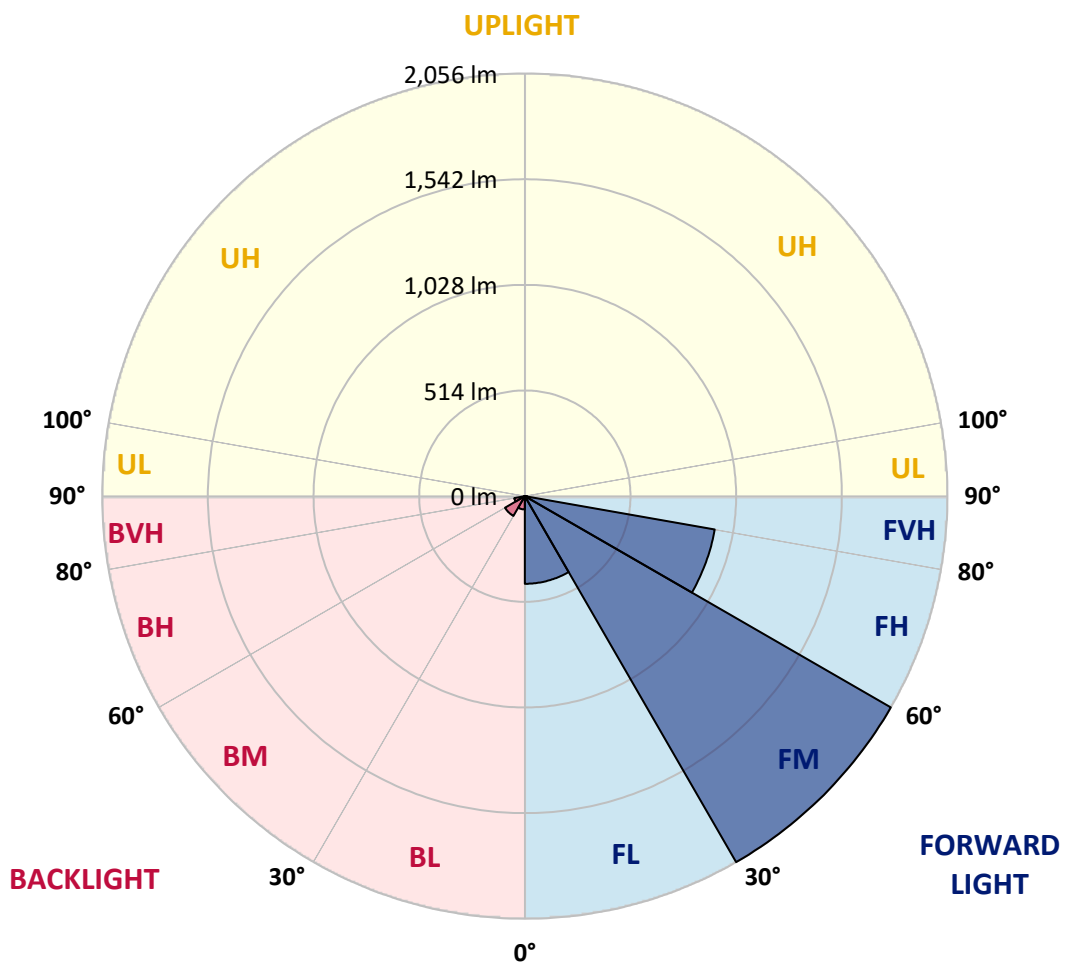


REPORT NUMBER: P674560  
 CATALOG NUMBER: CCP-SA-1C-740-U-T2R-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	426.5	11.6			
FM (30°-60°)	2056.0	56.2			
FH (60°-80°)	938.0	25.6			G1/1800
FVH (80°-90°)	11.6	0.3			G1/100
BL (0°-30°)	64.9	1.8	B0/110		
BM (30°-60°)	111.3	3.0	B0/220		
BH (60°-80°)	51.9	1.4	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: B0-U0-G1**  
 Type II Medium





REPORT NUMBER: P674560

CATALOG NUMBER: CCP-SA-1C-740-U-T2R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	350.6	350.6	350.6	350.6	350.6	350.6	350.6	350.6	350.6	350.6	350.6
2.5°	526.5	507.3	510.9	503.0	492.8	469.0	443.8	418.7	396.2	391.3	368.8
5°	674.2	668.2	662.0	656.7	635.2	605.4	560.2	502.7	450.8	441.9	395.3
7.5°	788.9	779.9	785.6	769.4	746.9	718.1	660.6	599.2	519.2	506.0	433.6
10°	873.5	868.5	871.2	863.6	852.6	823.9	767.1	690.0	597.5	572.4	476.6
12.5°	936.9	937.9	949.5	950.1	941.2	917.8	857.6	777.3	668.6	646.1	524.1
15°	983.2	984.2	998.4	1013.6	1023.8	1011.6	957.1	867.2	752.2	721.4	574.1
17.5°	990.8	991.5	1016.6	1047.3	1079.0	1089.6	1047.6	956.4	828.5	793.5	631.2
20°	995.7	1001.4	1023.8	1059.2	1109.4	1142.2	1119.3	1042.0	902.6	861.9	687.4
22.5°	1055.9	1055.9	1069.1	1094.2	1134.2	1185.4	1180.8	1120.7	974.6	934.3	743.3
25°	1183.5	1183.5	1170.6	1164.0	1185.4	1225.8	1237.3	1204.6	1056.9	1009.3	802.1
27.5°	1352.3	1352.3	1332.2	1283.6	1265.1	1281.9	1294.2	1277.6	1132.9	1086.0	864.2
30°	1527.5	1533.4	1498.4	1436.6	1371.8	1358.9	1347.1	1343.4	1213.9	1161.0	927.3
32.5°	1703.3	1702.7	1659.0	1582.0	1497.4	1451.8	1413.1	1408.9	1299.8	1247.9	987.2
35°	1843.8	1844.1	1798.2	1719.2	1621.4	1563.2	1501.1	1480.9	1394.0	1336.1	1058.5
37.5°	1965.4	1958.4	1908.9	1833.9	1742.6	1682.5	1605.2	1552.6	1491.5	1432.6	1129.9
40°	2035.1	2025.9	1977.6	1906.2	1837.2	1791.2	1723.1	1639.2	1598.5	1535.1	1211.2
42.5°	2045.4	2037.4	2005.4	1962.4	1905.9	1865.6	1847.4	1737.0	1710.9	1653.4	1308.4
45°	2016.6	2003.7	1993.1	1970.7	1954.8	1935.3	1960.1	1841.1	1839.8	1782.6	1404.6
47.5°	1945.2	1927.7	1930.4	1955.1	1973.0	1990.5	2067.8	1977.6	1969.7	1916.1	1530.8
50°	1823.3	1814.7	1843.8	1892.7	1963.4	2033.5	2175.2	2117.1	2148.5	2098.2	1705.0
52.5°	1575.4	1586.0	1672.9	1790.6	1912.8	2053.6	2276.0	2325.3	2405.6	2364.3	1880.1
55°	1278.0	1274.0	1390.0	1598.9	1794.2	2040.7	2320.0	2447.9	2574.1	2530.8	1977.6
57.5°	1029.5	1036.4	1114.7	1321.3	1592.9	1941.3	2330.2	2512.0	2641.9	2613.1	2067.8
60°	772.7	779.3	850.7	1030.4	1325.2	1733.7	2245.6	2534.5	2769.1	2747.3	2211.9
62.5°	491.8	500.4	572.1	746.9	1012.9	1411.2	2055.6	2511.0	2902.0	2920.2	2408.6
65°	241.9	249.5	302.4	436.2	677.2	1055.2	1790.6	2421.5	3071.2	3123.1	2566.2
67.5°	133.8	137.5	155.7	222.1	377.7	723.8	1438.9	2230.1	3148.8	3218.2	2576.8
70°	104.1	105.1	112.0	129.5	184.1	424.7	1023.5	1911.5	2987.9	3071.8	2362.3
72.5°	87.6	88.9	92.2	98.2	115.0	221.1	643.1	1477.3	2514.0	2552.0	1827.6
75°	64.1	66.1	75.4	80.6	90.9	134.2	283.6	887.7	1661.3	1624.0	1022.5
77.5°	53.9	55.5	57.8	65.4	75.0	91.5	99.5	372.1	676.2	587.9	268.4
80°	36.7	38.7	44.9	48.9	63.5	60.5	41.3	99.8	135.8	110.7	51.6
82.5°	26.1	27.8	31.1	40.0	45.9	32.1	22.5	30.4	32.7	31.1	16.9
85°	8.3	10.6	22.5	33.0	24.8	10.9	14.2	11.6	10.2	9.9	6.6
87.5°	1.7	1.7	11.2	13.2	9.9	5.6	5.0	3.6	4.6	4.6	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P674560  
 CATALOG NUMBER: CCP-SA-1C-740-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	350.6	350.6	350.6	350.6	350.6	350.6	350.6	350.6	350.6	350.6	350.6
2.5°	358.2	343.4	321.9	301.7	281.2	266.7	256.5	246.2	242.2	240.6	236.3
5°	374.1	345.7	303.1	268.7	243.6	227.7	218.1	209.9	204.6	202.9	200.6
7.5°	396.9	355.9	294.8	255.1	230.0	212.8	197.3	179.5	165.2	159.6	157.3
10°	421.7	371.5	296.1	252.5	219.1	181.4	146.7	118.0	105.4	100.8	97.5
12.5°	458.1	388.6	301.7	249.5	186.4	129.5	93.9	82.0	79.0	78.3	77.7
15°	494.4	412.8	311.0	229.7	139.1	88.2	78.0	73.7	72.0	70.4	70.4
17.5°	531.1	435.9	314.6	191.0	96.2	76.3	71.1	67.4	64.8	63.5	62.5
20°	572.4	460.4	304.0	143.8	77.0	69.7	63.8	59.5	57.2	55.9	54.9
22.5°	617.0	484.5	280.9	100.1	70.1	62.8	57.2	52.9	50.6	49.2	48.9
25°	659.0	505.3	243.9	75.4	63.1	56.2	50.9	47.3	45.6	44.3	44.0
27.5°	702.3	523.2	195.6	66.4	57.5	50.9	45.6	42.6	41.0	40.0	39.7
30°	744.6	535.4	145.7	60.8	52.5	45.9	41.3	39.0	37.3	36.4	36.0
32.5°	788.2	542.3	98.5	55.9	47.6	41.6	37.7	35.4	34.4	33.4	33.4
35°	830.2	541.3	71.1	51.2	43.6	37.7	34.0	32.4	32.1	31.1	31.1
37.5°	876.1	534.4	60.5	46.9	39.3	34.0	31.1	30.1	29.7	29.1	28.8
40°	928.3	518.9	55.2	43.6	35.7	31.1	28.4	27.8	27.4	26.8	26.8
42.5°	985.5	498.7	52.2	40.0	32.7	28.1	26.1	25.1	24.8	24.1	24.1
45°	1051.9	479.5	50.2	36.4	30.1	25.8	23.8	22.8	22.5	21.8	21.8
47.5°	1142.5	468.6	46.9	33.0	27.1	23.5	21.5	20.8	20.2	19.5	19.5
50°	1267.1	455.7	42.6	29.7	24.8	21.2	19.8	18.8	18.5	17.8	17.8
52.5°	1369.5	428.3	38.3	26.4	22.1	19.5	18.2	17.5	16.9	16.5	16.5
55°	1405.5	396.2	34.0	23.8	20.2	18.2	16.9	16.2	15.9	15.5	15.5
57.5°	1463.1	386.0	30.1	21.2	18.2	16.9	15.5	15.2	14.9	14.5	14.2
60°	1561.2	392.0	26.4	18.8	16.5	15.2	14.2	13.9	13.2	12.6	12.6
62.5°	1656.4	384.7	22.5	16.5	14.2	13.5	12.6	11.9	10.6	9.6	8.9
65°	1679.5	336.1	19.5	13.9	11.9	11.2	10.2	8.9	6.9	5.6	5.6
67.5°	1567.5	255.5	16.9	11.9	9.9	9.3	7.3	5.9	4.3	3.3	3.3
70°	1293.5	161.9	13.9	9.3	8.3	6.3	4.6	4.3	3.0	2.6	2.3
72.5°	933.3	88.6	11.6	7.6	5.9	4.0	3.3	2.6	2.0	1.3	1.3
75°	472.6	41.6	8.6	5.9	4.0	2.6	2.0	1.3	1.3	1.0	1.0
77.5°	133.8	19.2	5.6	4.0	2.6	1.7	1.3	1.0	1.0	0.7	0.7
80°	26.4	9.6	3.6	2.6	2.0	1.3	1.0	0.7	0.7	0.3	0.3
82.5°	9.6	5.0	2.6	2.0	1.7	1.3	0.7	0.3	0.3	0.0	0.0
85°	5.0	2.6	2.0	1.7	1.3	1.0	0.7	0.3	0.0	0.0	0.0
87.5°	2.6	2.0	1.7	1.7	1.3	1.0	0.7	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)