

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: P674719

Luminaire Tested: **CCP-SA-2A-750-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674719
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-750-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

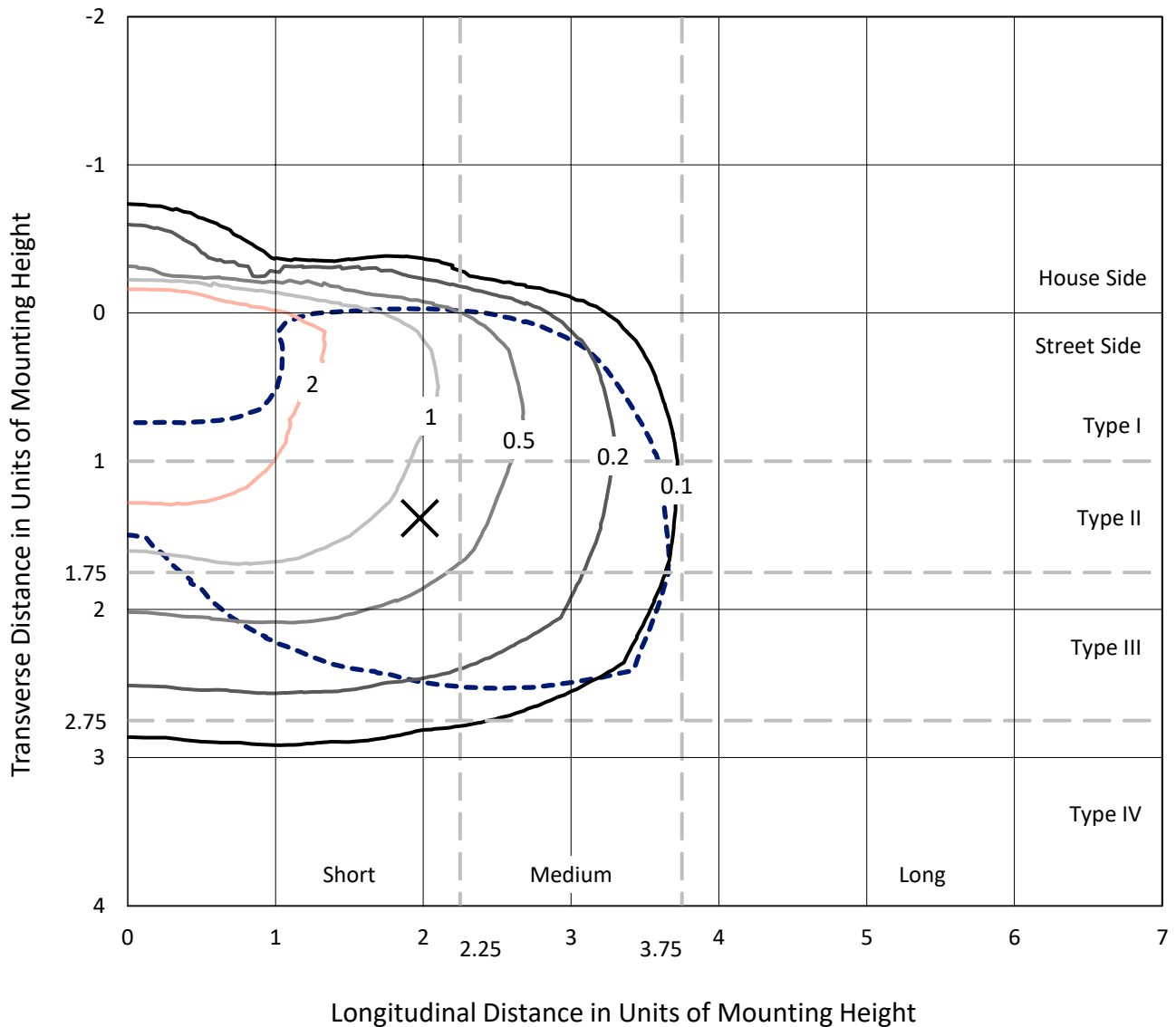
Lumens per Lamp: N/A
Luminaire Lumens: 4438.9 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
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

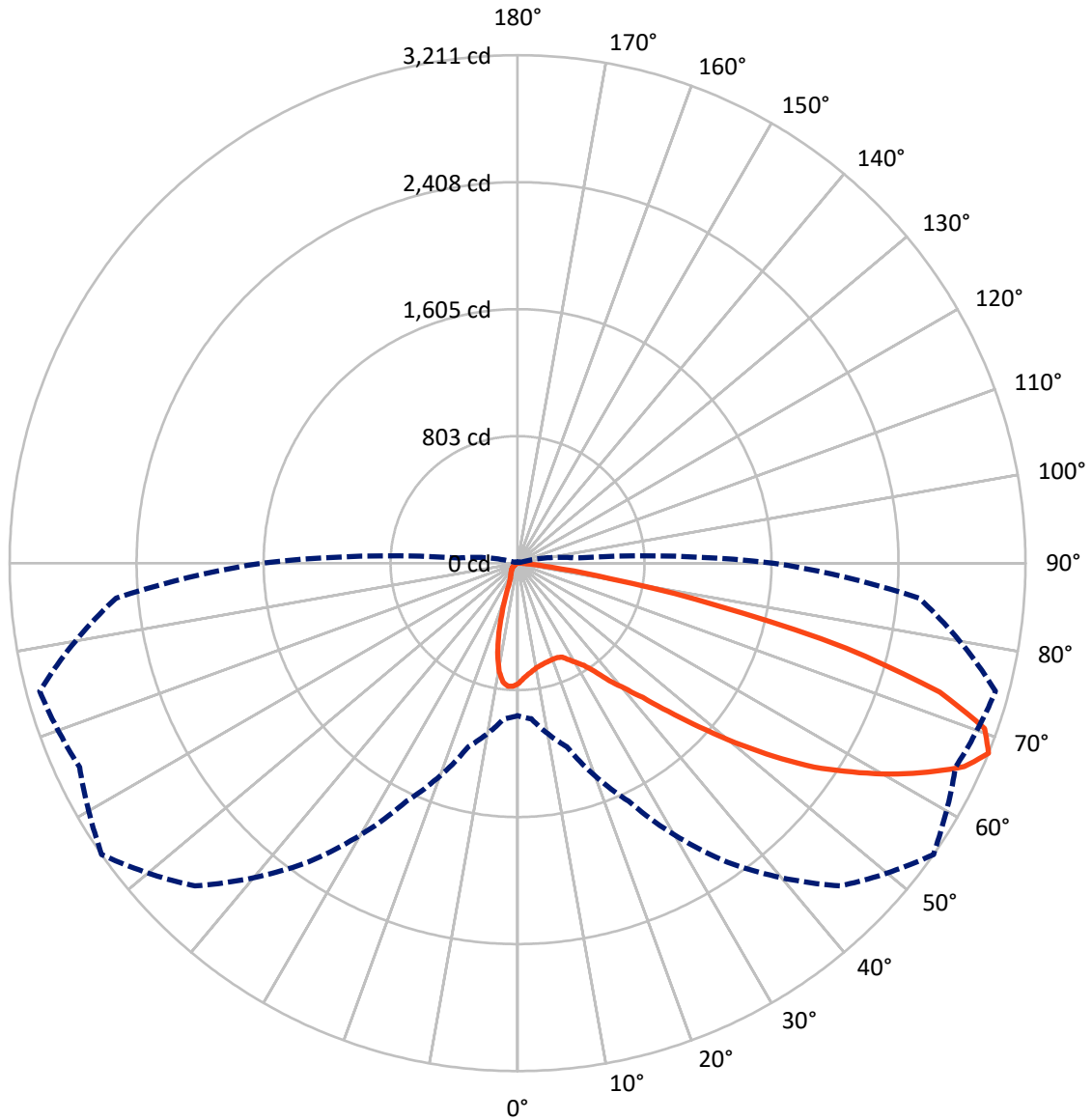
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.7 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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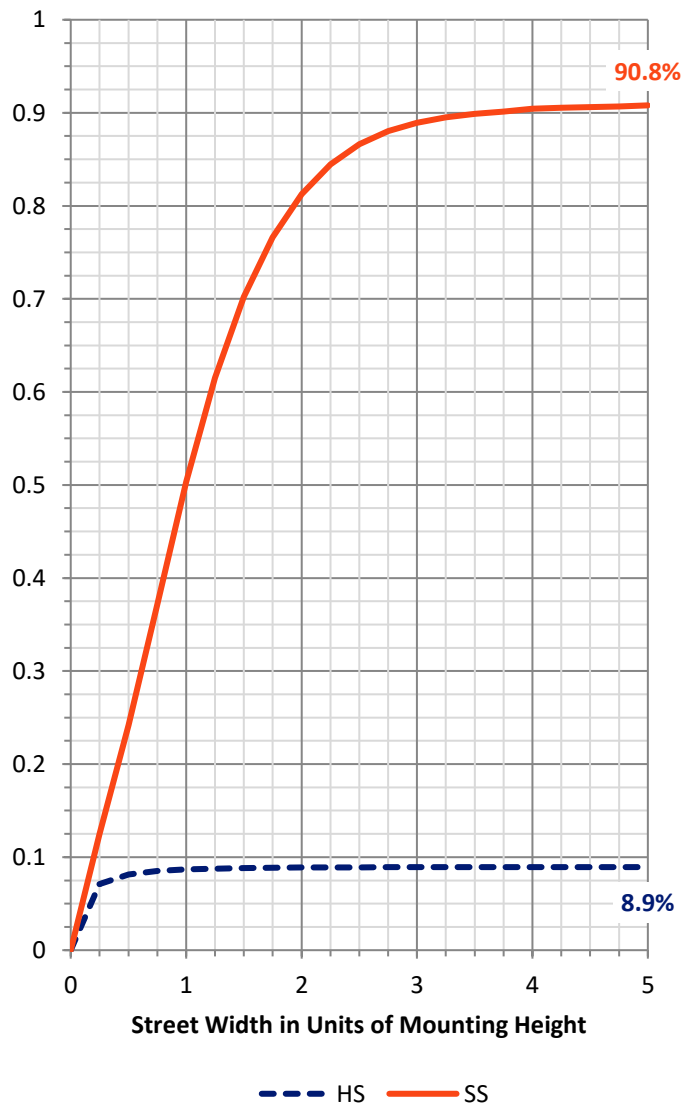
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	398.8	0.0	398.8
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4040.1	0.0	4040.1
	% Fixture	91.0	0.0	91.0
Total	Lumens	4438.9	0.0	4438.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.8	1.5
10°-20°	152.0	3.4
20°-30°	243.9	5.5
30°-40°	423.0	9.5
40°-50°	705.3	15.9
50°-60°	1031.3	23.2
60°-70°	1202.5	27.1
70°-80°	583.6	13.1
80°-90°	30.5	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°	4438.9	100.0
0°-180°	4438.9	100.0



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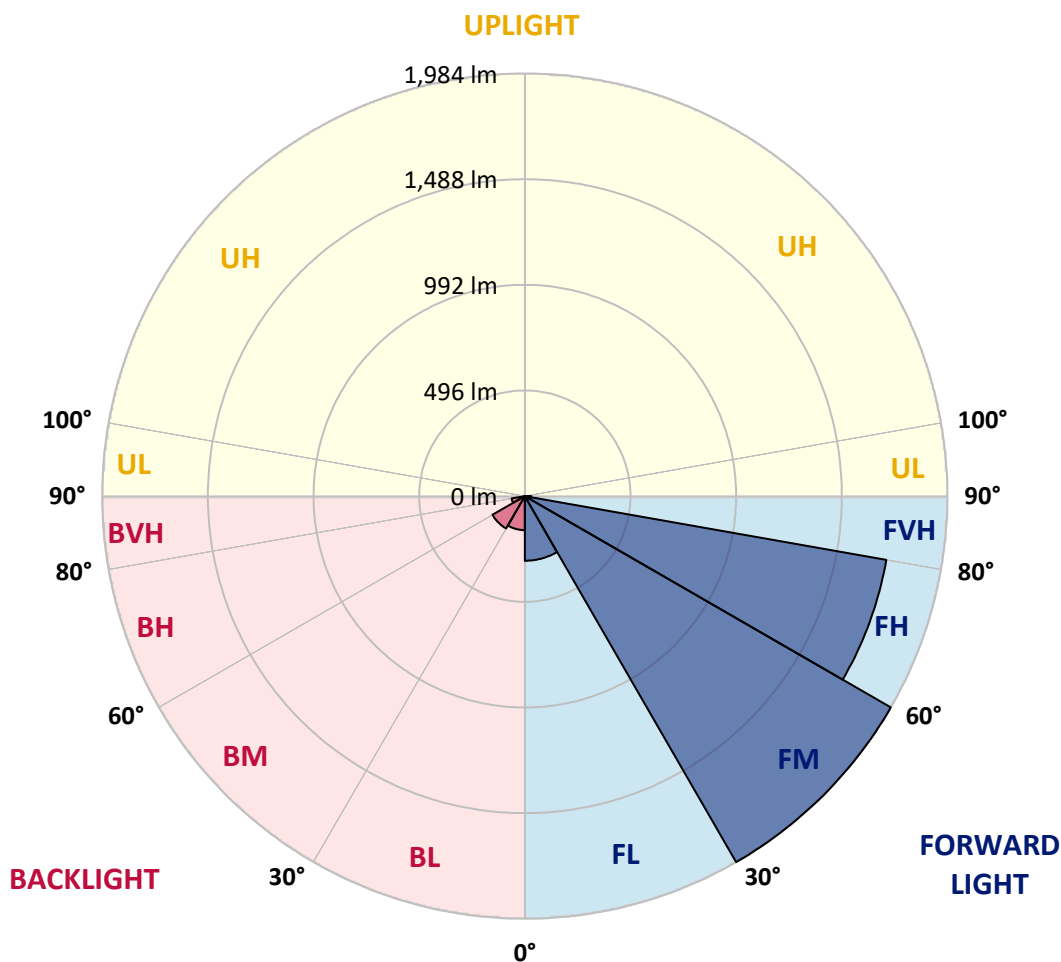
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	303.2	6.8			
FM (30°-60°)	1984.0	44.7			
FH (60°-80°)	1723.2	38.8			G1/1800
FVH (80°-90°)	29.6	0.7			G1/100
BL (0°-30°)	159.4	3.6	B1/500		
BM (30°-60°)	175.6	4.0	B0/220		
BH (60°-80°)	62.9	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7
2.5°	702.2	706.7	712.4	714.5	721.4	731.3	728.4	726.3	737.4	752.5	757.4
5°	658.5	658.9	667.9	674.4	686.3	695.7	705.9	705.1	725.1	750.9	767.2
7.5°	615.5	616.3	625.7	636.0	653.1	671.5	687.1	686.3	718.6	752.9	784.0
10°	559.1	563.2	574.6	592.6	619.6	648.6	670.3	672.4	711.2	760.7	806.9
12.5°	513.7	515.7	528.4	551.7	583.6	621.6	662.1	660.9	712.8	775.0	836.8
15°	494.5	493.2	501.0	518.2	554.6	602.4	654.0	656.8	718.6	791.4	867.8
17.5°	499.0	497.7	501.8	507.9	533.7	586.5	649.5	654.4	727.6	808.5	896.9
20°	548.8	540.3	532.9	526.4	530.0	573.4	646.6	651.9	732.9	821.6	927.6
22.5°	645.0	634.3	614.7	578.3	554.2	574.2	647.4	654.4	744.7	842.9	964.8
25°	801.6	791.4	749.2	674.8	611.0	603.6	658.5	665.8	772.1	875.2	1004.4
27.5°	1008.9	986.0	934.9	828.2	705.1	650.7	691.6	699.8	811.0	900.2	1031.4
30°	1181.1	1175.8	1126.7	995.9	834.7	719.8	728.8	733.3	828.6	915.3	1058.4
32.5°	1359.8	1348.8	1303.8	1176.6	985.2	818.4	770.5	772.6	851.5	937.8	1097.7
35°	1515.3	1505.0	1467.4	1343.9	1161.1	950.9	839.6	835.1	898.9	987.3	1150.9
37.5°	1659.2	1658.0	1624.9	1498.9	1319.0	1088.3	941.5	937.8	973.0	1041.7	1222.8
40°	1799.9	1796.6	1768.4	1653.5	1474.4	1225.3	1038.4	1029.0	1035.9	1117.7	1317.7
42.5°	1886.2	1893.2	1903.0	1830.2	1658.8	1386.0	1161.1	1155.4	1154.1	1236.7	1442.5
45°	1932.8	1945.1	2002.8	1996.2	1854.3	1586.0	1335.7	1321.0	1316.1	1400.3	1585.2
47.5°	1978.2	1983.5	2078.0	2117.7	2041.6	1794.6	1546.8	1526.3	1506.3	1599.9	1755.7
50°	1981.1	1989.7	2106.6	2203.2	2198.7	1999.9	1783.5	1765.6	1742.7	1842.8	1922.2
52.5°	1941.0	1958.2	2103.0	2257.1	2296.0	2181.1	2029.3	2014.6	1995.8	2070.6	2062.5
55°	1664.1	1693.2	2031.0	2262.1	2364.3	2336.5	2276.4	2255.9	2237.5	2290.7	2199.9
57.5°	1532.4	1548.8	1812.6	2258.4	2451.4	2480.4	2490.7	2481.3	2455.5	2521.8	2343.4
60°	1453.5	1477.2	1708.3	2217.5	2545.5	2643.2	2707.4	2688.6	2657.1	2748.3	2497.2
62.5°	1359.0	1376.2	1604.4	2099.7	2601.5	2808.9	2910.7	2893.5	2828.5	2957.3	2621.5
65°	1184.8	1210.6	1439.2	1914.4	2526.2	2930.3	3102.1	3096.4	2983.5	3115.2	2655.5
67.5°	964.4	987.7	1200.8	1660.4	2306.2	2884.9	3210.5	3192.5	3053.8	3127.0	2547.9
70°	723.9	736.6	897.3	1268.6	1889.5	2642.4	3131.9	3128.3	2947.1	2951.2	2217.9
72.5°	388.5	423.7	596.7	849.0	1328.8	2140.2	2791.3	2776.5	2629.3	2417.1	1595.0
75°	135.8	146.0	317.8	476.9	721.8	1425.7	2146.3	2112.0	1966.4	1572.1	869.1
77.5°	83.4	91.6	141.1	243.8	281.0	618.8	1289.5	1244.9	1150.9	679.7	296.9
80°	57.7	65.0	94.5	127.6	95.7	200.4	593.4	576.7	443.7	162.0	68.3
82.5°	32.3	38.9	71.6	62.6	38.4	51.9	205.7	190.6	118.2	43.8	22.9
85°	18.8	22.5	50.3	44.2	19.6	18.4	53.6	47.9	30.7	16.4	11.0
87.5°	9.8	12.7	36.8	29.4	11.9	6.5	12.3	11.9	7.8	5.7	7.4
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°	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7
2.5°	766.4	764.4	775.0	778.7	777.9	776.2	780.3	775.0	774.6	773.4	772.1
5°	780.3	783.6	792.2	792.2	780.7	761.9	750.5	734.9	721.8	714.1	712.8
7.5°	801.2	807.7	813.5	795.9	756.6	710.0	660.5	621.6	587.7	570.1	568.5
10°	830.6	836.8	832.3	782.0	697.7	601.2	520.6	439.7	399.2	377.1	377.1
12.5°	865.8	870.7	843.3	747.2	600.8	460.9	353.4	268.3	227.8	201.6	200.0
15°	903.8	905.1	841.7	686.7	481.0	309.6	202.9	148.9	131.7	128.0	127.2
17.5°	937.0	932.1	824.5	597.1	346.4	184.4	128.8	116.6	113.3	113.3	113.3
20°	968.0	951.7	790.1	492.8	222.1	125.6	110.8	107.6	107.6	108.0	108.0
22.5°	1002.4	970.1	741.1	377.1	142.7	107.6	103.9	102.2	101.8	103.1	102.7
25°	1042.9	988.1	670.7	260.5	110.4	100.2	98.6	96.9	96.9	96.9	96.9
27.5°	1065.4	985.6	590.6	164.4	96.5	92.8	91.2	89.6	88.3	87.9	88.3
30°	1085.0	971.3	485.9	114.9	87.1	83.0	81.8	79.8	77.3	76.5	76.5
32.5°	1110.8	959.5	376.3	92.4	78.9	74.4	70.8	67.5	63.4	61.8	61.3
35°	1139.4	937.8	275.7	81.4	71.6	65.8	60.1	54.8	49.5	47.9	47.4
37.5°	1175.0	918.2	186.9	75.3	65.4	58.5	50.7	43.4	38.4	37.6	37.6
40°	1223.2	901.8	129.2	69.9	59.7	51.5	42.1	34.4	31.1	30.3	30.3
42.5°	1289.1	888.3	97.7	65.4	54.8	44.6	33.9	28.2	25.8	24.9	24.9
45°	1366.8	867.4	82.6	61.3	49.9	37.6	28.2	23.7	22.5	22.5	22.5
47.5°	1456.0	841.3	75.3	57.3	44.6	30.7	23.7	21.7	21.3	21.3	21.7
50°	1545.9	810.2	69.9	52.3	38.4	26.2	21.7	20.4	20.4	20.9	20.9
52.5°	1606.9	761.5	64.6	47.0	32.3	22.9	20.4	20.0	19.6	19.6	19.6
55°	1666.2	719.0	57.3	41.3	27.0	21.3	19.6	19.2	19.2	18.8	18.8
57.5°	1727.9	685.4	47.9	34.4	22.9	20.0	18.8	18.8	18.0	17.6	17.6
60°	1799.5	656.0	36.8	27.0	20.0	18.8	17.6	17.2	16.4	15.5	15.5
62.5°	1820.4	593.8	27.8	21.7	17.2	16.4	16.0	15.1	13.1	11.5	11.9
65°	1766.0	496.1	22.1	17.2	13.9	13.9	12.7	10.6	8.6	7.4	7.4
67.5°	1615.9	370.5	18.0	13.5	11.0	10.6	9.0	7.8	5.3	4.5	4.5
70°	1331.6	245.0	14.7	10.6	9.0	7.4	6.1	5.7	4.1	3.3	3.3
72.5°	933.3	132.9	12.3	8.6	6.5	4.9	4.1	3.7	2.9	2.5	2.0
75°	492.8	51.1	9.8	6.5	4.1	3.3	2.5	2.5	2.0	1.6	1.6
77.5°	168.9	21.7	7.0	3.7	2.9	2.0	1.6	1.2	1.6	1.2	1.2
80°	40.1	12.7	4.5	2.5	1.6	1.2	1.2	0.8	0.8	0.8	0.8
82.5°	17.6	7.4	2.9	1.6	1.6	1.2	0.8	0.4	0.4	0.4	0.4
85°	11.9	4.5	2.0	1.6	1.2	0.8	0.4	0.4	0.0	0.0	0.0
87.5°	9.4	2.9	1.6	1.6	1.2	0.8	0.4	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)