

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: P674685

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674685
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-730-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

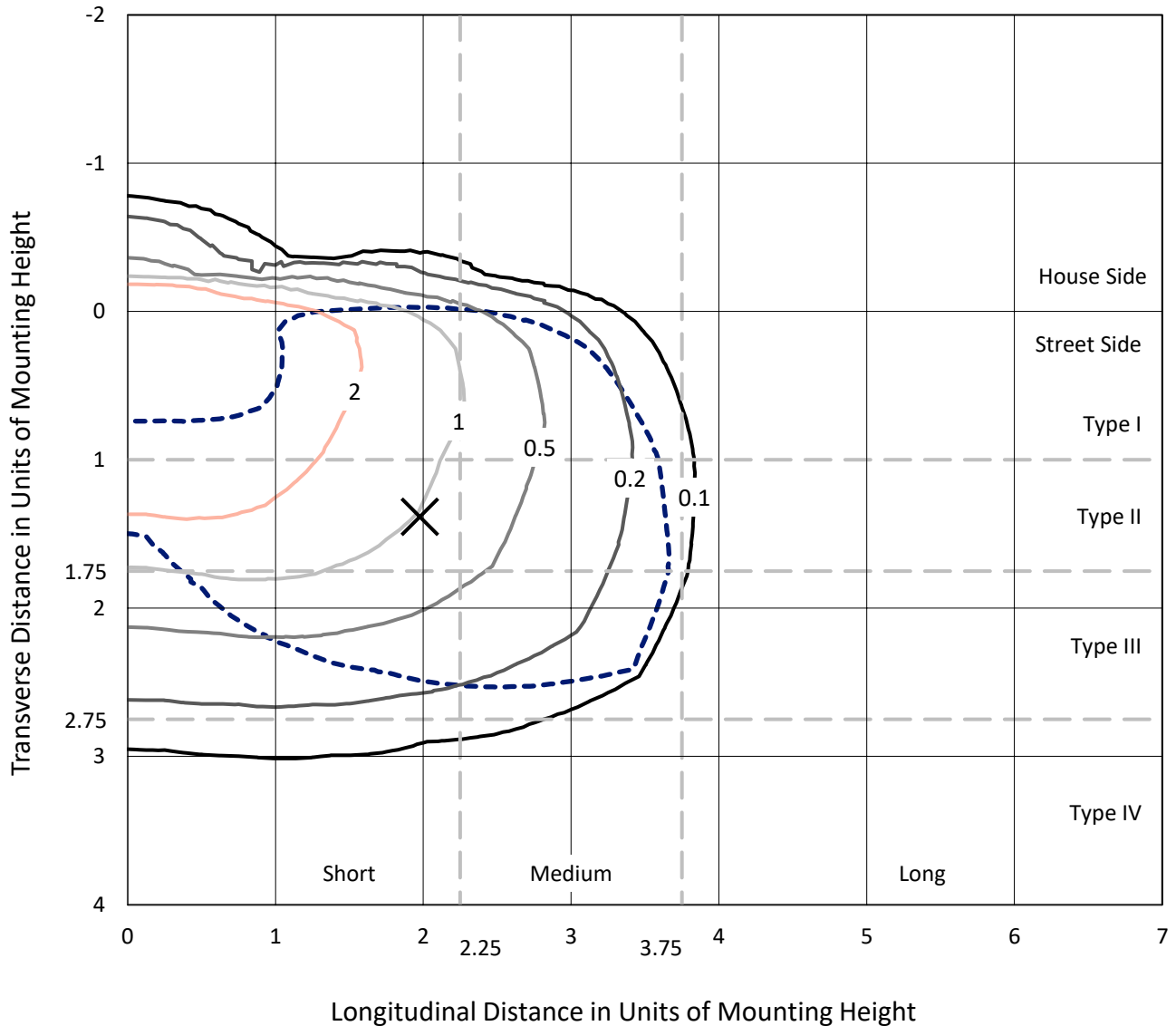
Lumens per Lamp: N/A
Luminaire Lumens: 5414.8 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

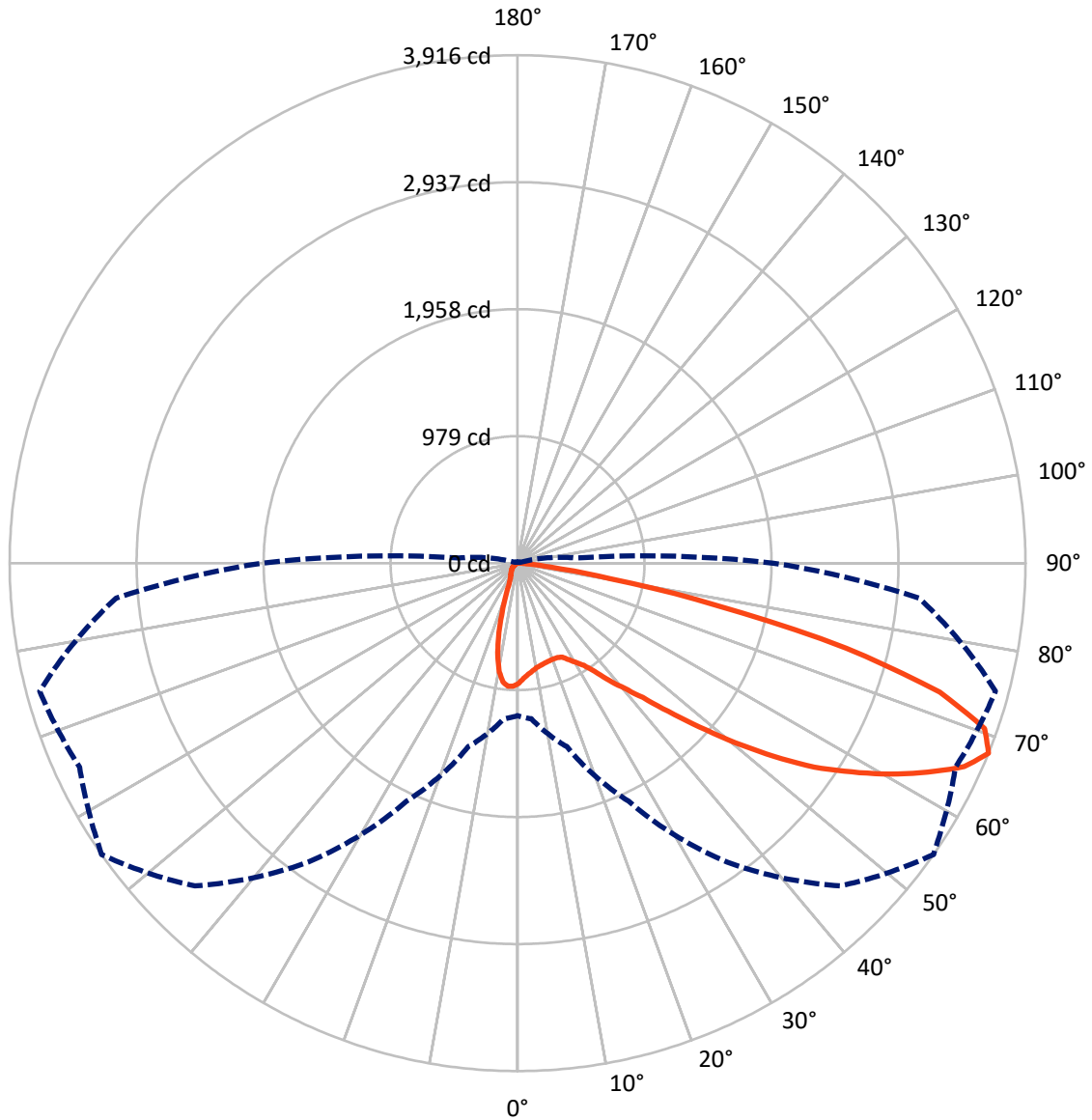
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 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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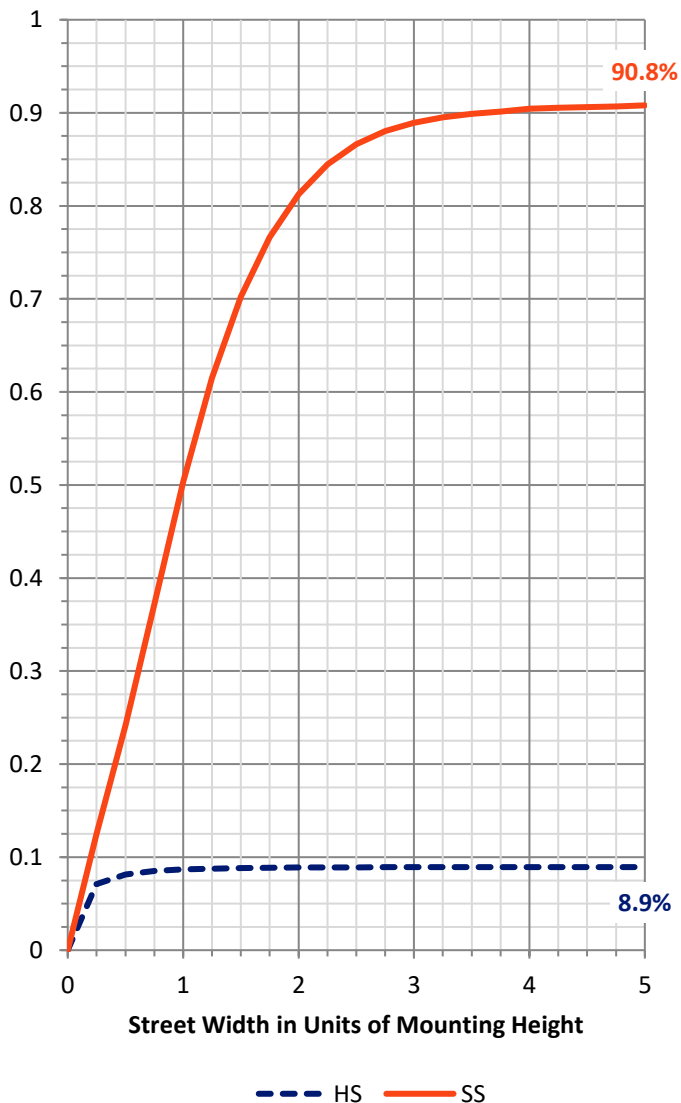
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	486.4	0.0	486.4
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4928.3	0.0	4928.3
	% Fixture	91.0	0.0	91.0
Total	Lumens	5414.8	0.0	5414.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.4	1.5
10°-20°	185.4	3.4
20°-30°	297.5	5.5
30°-40°	516.0	9.5
40°-50°	860.3	15.9
50°-60°	1258.1	23.2
60°-70°	1466.9	27.1
70°-80°	711.9	13.1
80°-90°	37.2	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°	5414.8	100.0
0°-180°	5414.8	100.0



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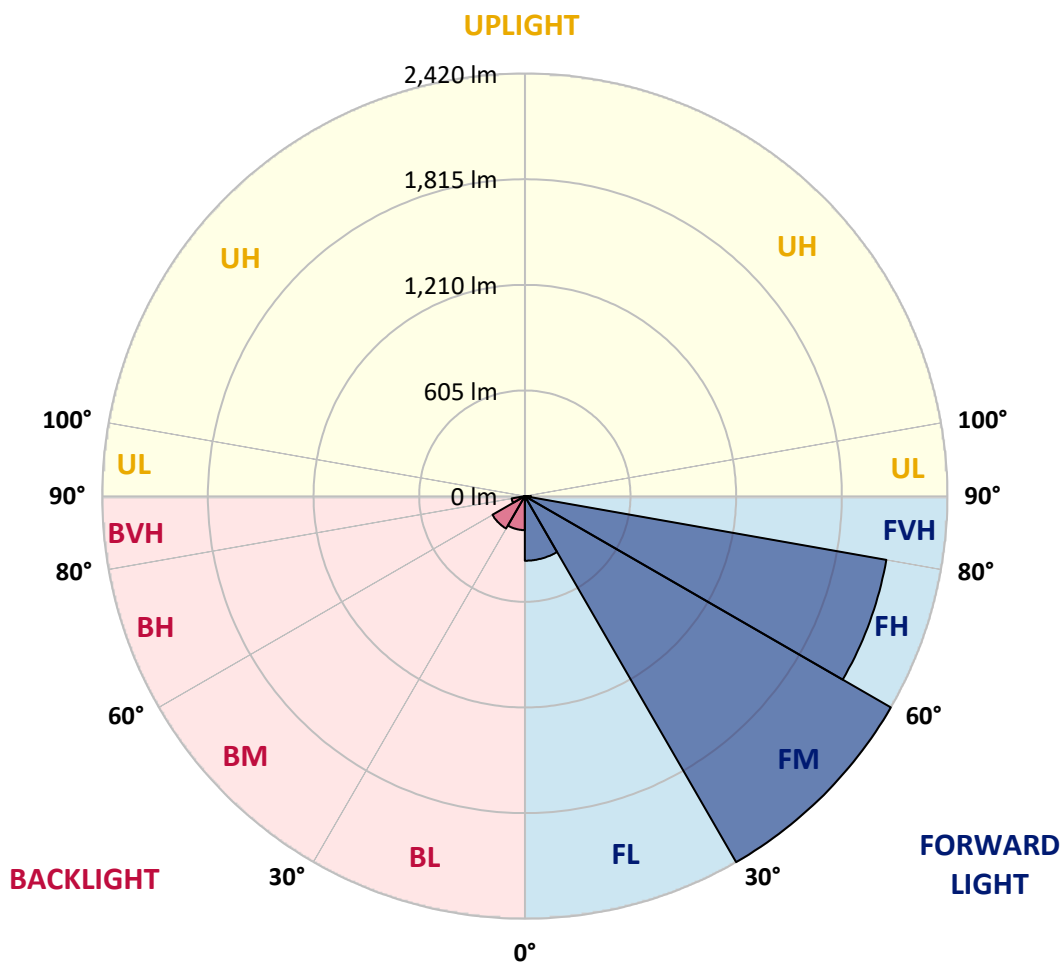
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	369.9	6.8			
FM (30°-60°)	2420.2	44.7			
FH (60°-80°)	2102.1	38.8			G2/5000
FVH (80°-90°)	36.1	0.7			G1/100
BL (0°-30°)	194.5	3.6	B1/500		
BM (30°-60°)	214.1	4.0	B0/220		
BH (60°-80°)	76.7	1.4	B0/110		G0/110
BVH (80°-90°)	1.1	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	927.9	927.9	927.9	927.9	927.9	927.9	927.9	927.9	927.9	927.9	927.9
2.5°	856.6	862.1	869.1	871.6	880.0	892.0	888.5	886.0	899.5	918.0	923.9
5°	803.2	803.7	814.7	822.7	837.1	848.6	861.1	860.1	884.5	916.0	935.9
7.5°	750.8	751.8	763.3	775.8	796.7	819.2	838.1	837.1	876.5	918.5	956.4
10°	682.0	687.0	700.9	722.9	755.8	791.2	817.7	820.2	867.6	927.9	984.3
12.5°	626.6	629.1	644.6	673.0	711.9	758.3	807.7	806.2	869.6	945.4	1020.7
15°	603.2	601.7	611.1	632.1	676.5	734.9	797.7	801.2	876.5	965.3	1058.6
17.5°	608.6	607.1	612.1	619.6	651.0	715.4	792.2	798.2	887.5	986.3	1094.1
20°	669.5	659.0	650.1	642.1	646.6	699.4	788.7	795.2	894.0	1002.3	1131.5
22.5°	786.7	773.8	749.8	705.4	676.0	700.4	789.7	798.2	908.5	1028.2	1176.9
25°	977.8	965.3	914.0	823.2	745.3	736.4	803.2	812.2	941.9	1067.6	1225.3
27.5°	1230.8	1202.8	1140.5	1010.2	860.1	793.7	843.6	853.6	989.3	1098.1	1258.2
30°	1440.8	1434.3	1374.4	1214.8	1018.2	878.0	889.0	894.5	1010.7	1116.5	1291.1
32.5°	1658.8	1645.3	1590.5	1435.3	1201.8	998.3	939.9	942.4	1038.7	1144.0	1339.0
35°	1848.4	1835.9	1790.0	1639.3	1416.3	1159.9	1024.2	1018.7	1096.6	1204.3	1403.9
37.5°	2024.0	2022.5	1982.1	1828.4	1608.9	1327.5	1148.4	1144.0	1186.9	1270.7	1491.7
40°	2195.6	2191.6	2157.2	2017.0	1798.5	1494.7	1266.7	1255.2	1263.7	1363.5	1607.4
42.5°	2300.9	2309.4	2321.3	2232.5	2023.5	1690.7	1416.3	1409.4	1407.9	1508.6	1759.6
45°	2357.7	2372.7	2443.1	2435.1	2262.0	1934.7	1629.4	1611.4	1605.4	1708.2	1933.7
47.5°	2413.1	2419.6	2534.9	2583.2	2490.4	2189.1	1886.8	1861.9	1837.4	1951.7	2141.7
50°	2416.6	2427.1	2569.8	2687.5	2682.0	2439.6	2175.7	2153.7	2125.8	2248.0	2344.8
52.5°	2367.7	2388.7	2565.3	2753.4	2800.8	2660.6	2475.5	2457.5	2434.6	2525.9	2515.9
55°	2030.0	2065.4	2477.5	2759.3	2884.1	2850.1	2776.8	2751.9	2729.4	2794.3	2683.5
57.5°	1869.3	1889.3	2211.1	2754.9	2990.3	3025.8	3038.2	3026.8	2995.3	3076.1	2858.6
60°	1773.0	1802.0	2083.9	2705.0	3105.1	3224.3	3302.6	3279.7	3241.3	3352.5	3046.2
62.5°	1657.8	1678.8	1957.1	2561.3	3173.4	3426.4	3550.6	3529.6	3450.3	3607.5	3197.9
65°	1445.3	1476.7	1755.6	2335.3	3081.6	3574.5	3784.1	3777.1	3639.4	3800.0	3239.3
67.5°	1176.4	1204.8	1464.7	2025.5	2813.2	3519.2	3916.3	3894.3	3725.2	3814.5	3108.1
70°	883.0	898.5	1094.6	1547.6	2304.9	3223.3	3820.5	3816.0	3595.0	3600.0	2705.5
72.5°	473.9	516.8	727.9	1035.7	1620.9	2610.7	3404.9	3387.0	3207.4	2948.4	1945.7
75°	165.6	178.1	387.6	581.7	880.5	1739.1	2618.2	2576.3	2398.7	1917.7	1060.1
77.5°	101.8	111.8	172.1	297.3	342.7	754.8	1573.0	1518.6	1403.9	829.2	362.2
80°	70.3	79.3	115.2	155.7	116.7	244.5	723.9	703.4	541.3	197.6	83.3
82.5°	39.4	47.4	87.3	76.3	46.9	63.4	250.9	232.5	144.2	53.4	27.9
85°	22.9	27.4	61.4	53.9	23.9	22.4	65.4	58.4	37.4	20.0	13.5
87.5°	12.0	15.5	44.9	35.9	14.5	8.0	15.0	14.5	9.5	7.0	9.0
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°	927.9	927.9	927.9	927.9	927.9	927.9	927.9	927.9	927.9	927.9	927.9
2.5°	934.9	932.4	945.4	949.9	948.9	946.9	951.9	945.4	944.9	943.4	941.9
5°	951.9	955.9	966.3	966.3	952.4	929.4	915.5	896.5	880.5	871.1	869.6
7.5°	977.3	985.3	992.3	970.8	922.9	866.1	805.7	758.3	716.9	695.4	693.5
10°	1013.2	1020.7	1015.2	953.9	851.1	733.4	635.1	536.3	486.9	460.0	460.0
12.5°	1056.1	1062.1	1028.7	911.5	732.9	562.2	431.0	327.3	277.9	246.0	244.0
15°	1102.5	1104.0	1026.7	837.6	586.7	377.7	247.4	181.6	160.6	156.2	155.2
17.5°	1143.0	1137.0	1005.8	728.4	422.6	225.0	157.1	142.2	138.2	138.2	138.2
20°	1180.9	1160.9	963.9	601.2	270.9	153.2	135.2	131.2	131.2	131.7	131.7
22.5°	1222.8	1183.4	904.0	460.0	174.1	131.2	126.7	124.7	124.2	125.7	125.2
25°	1272.2	1205.3	818.2	317.8	134.7	122.2	120.2	118.2	118.2	118.2	118.2
27.5°	1299.6	1202.3	720.4	200.6	117.7	113.2	111.3	109.3	107.8	107.3	107.8
30°	1323.6	1184.9	592.7	140.2	106.3	101.3	99.8	97.3	94.3	93.3	93.3
32.5°	1355.0	1170.4	459.0	112.7	96.3	90.8	86.3	82.3	77.3	75.3	74.8
35°	1389.9	1144.0	336.3	99.3	87.3	80.3	73.3	66.9	60.4	58.4	57.9
37.5°	1433.3	1120.0	228.0	91.8	79.8	71.3	61.9	52.9	46.9	45.9	45.9
40°	1492.2	1100.0	157.6	85.3	72.8	62.9	51.4	41.9	37.9	36.9	36.9
42.5°	1572.5	1083.6	119.2	79.8	66.9	54.4	41.4	34.4	31.4	30.4	30.4
45°	1667.3	1058.1	100.8	74.8	60.9	45.9	34.4	28.9	27.4	27.4	27.4
47.5°	1776.0	1026.2	91.8	69.8	54.4	37.4	28.9	26.4	25.9	25.9	26.4
50°	1885.8	988.3	85.3	63.9	46.9	31.9	26.4	24.9	24.9	25.4	25.4
52.5°	1960.1	928.9	78.8	57.4	39.4	27.9	24.9	24.4	23.9	23.9	23.9
55°	2032.5	877.0	69.8	50.4	32.9	25.9	23.9	23.4	23.4	22.9	22.9
57.5°	2107.8	836.1	58.4	41.9	27.9	24.4	22.9	22.9	22.0	21.5	21.5
60°	2195.1	800.2	44.9	32.9	24.4	22.9	21.5	21.0	20.0	19.0	19.0
62.5°	2220.6	724.4	33.9	26.4	21.0	20.0	19.5	18.5	16.0	14.0	14.5
65°	2154.2	605.2	26.9	21.0	17.0	17.0	15.5	13.0	10.5	9.0	9.0
67.5°	1971.1	452.0	22.0	16.5	13.5	13.0	11.0	9.5	6.5	5.5	5.5
70°	1624.4	298.8	18.0	13.0	11.0	9.0	7.5	7.0	5.0	4.0	4.0
72.5°	1138.5	162.1	15.0	10.5	8.0	6.0	5.0	4.5	3.5	3.0	2.5
75°	601.2	62.4	12.0	8.0	5.0	4.0	3.0	3.0	2.5	2.0	2.0
77.5°	206.0	26.4	8.5	4.5	3.5	2.5	2.0	1.5	2.0	1.5	1.5
80°	48.9	15.5	5.5	3.0	2.0	1.5	1.5	1.0	1.0	1.0	1.0
82.5°	21.5	9.0	3.5	2.0	2.0	1.5	1.0	0.5	0.5	0.5	0.5
85°	14.5	5.5	2.5	2.0	1.5	1.0	0.5	0.5	0.0	0.0	0.0
87.5°	11.5	3.5	2.0	2.0	1.5	1.0	0.5	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)