

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: P674696

Luminaire Tested: **CCP-SA-1F-735-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674696
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-735-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

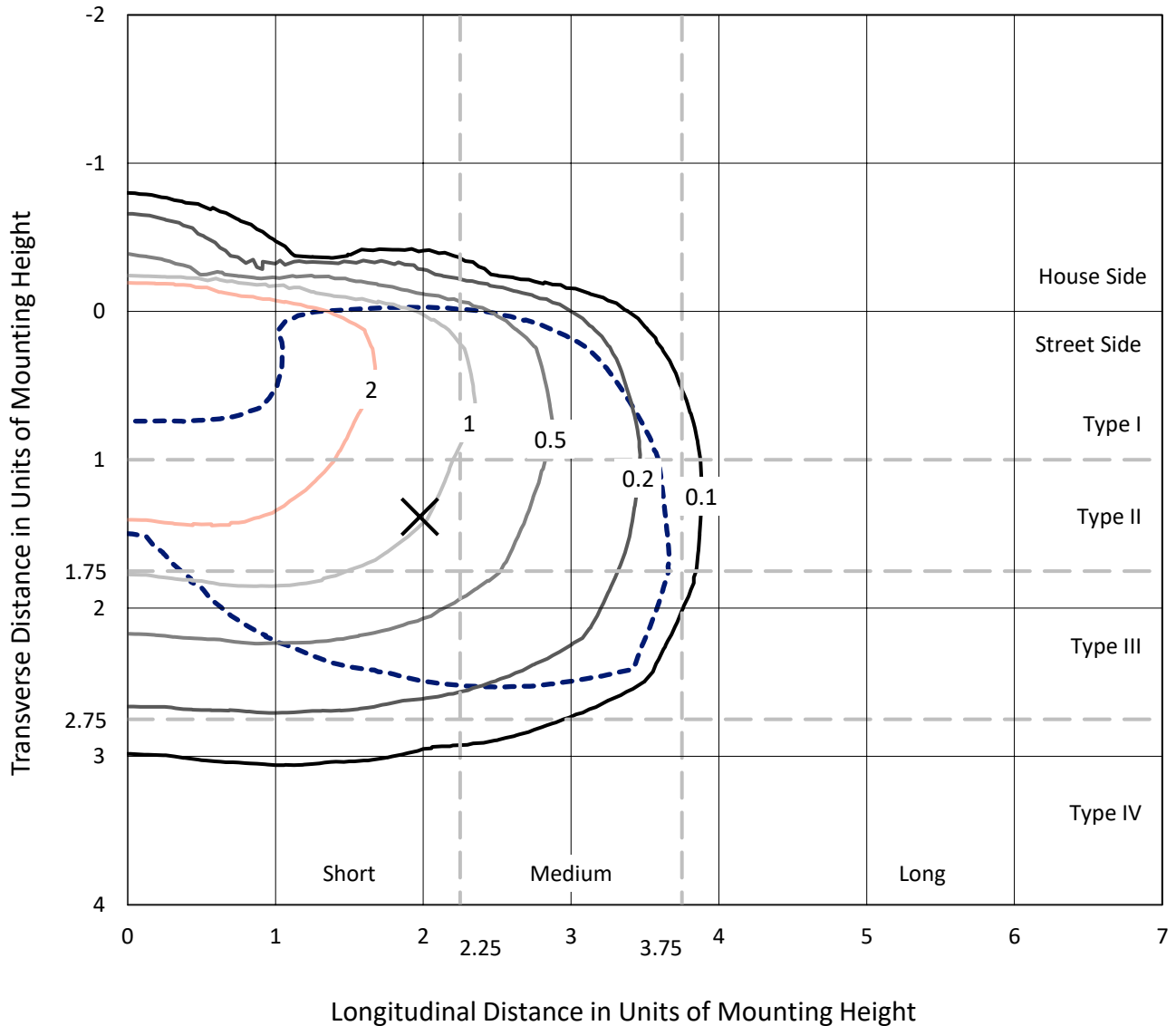
Lumens per Lamp: N/A
Luminaire Lumens: 5864.9 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

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

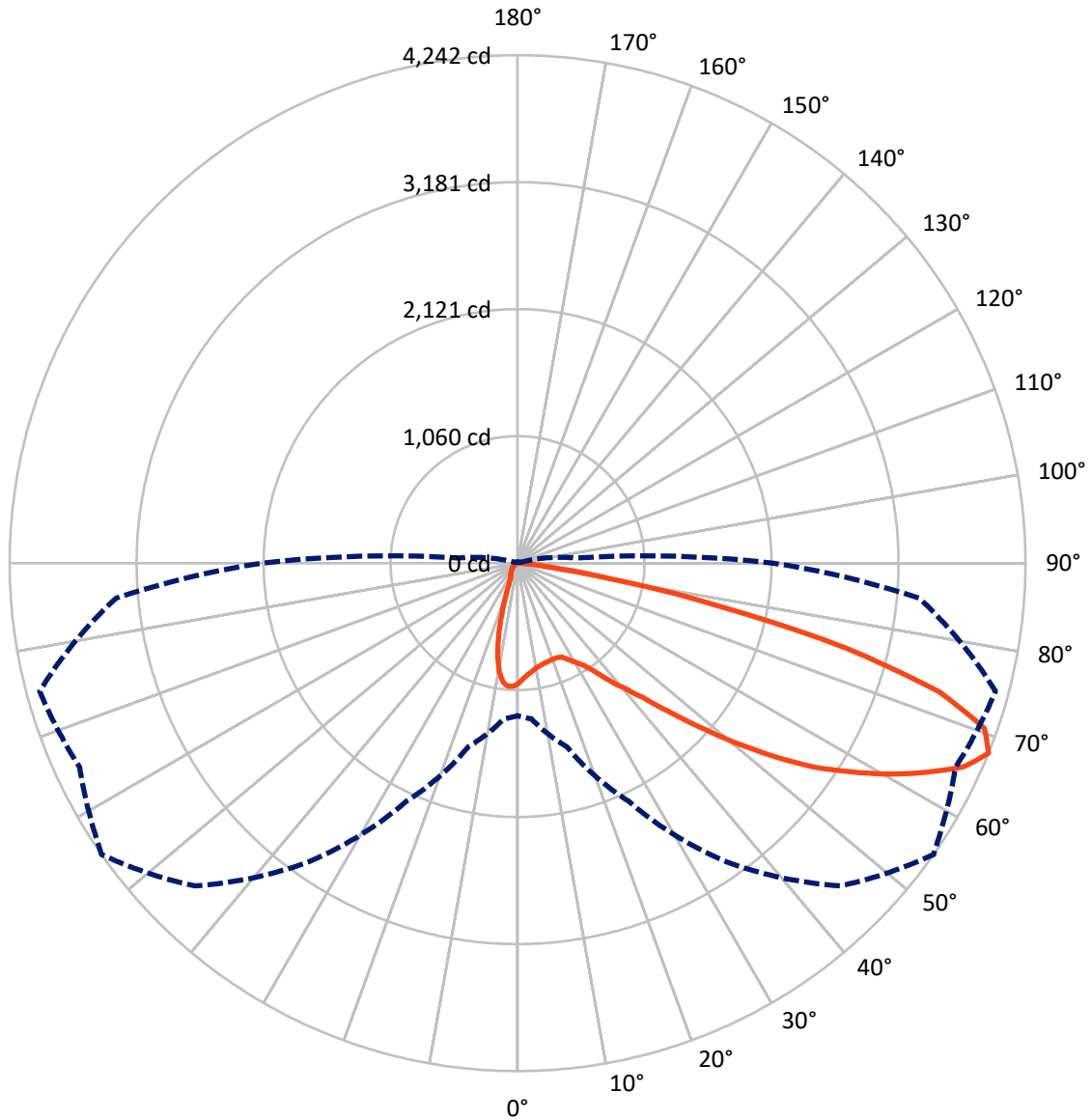
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.9 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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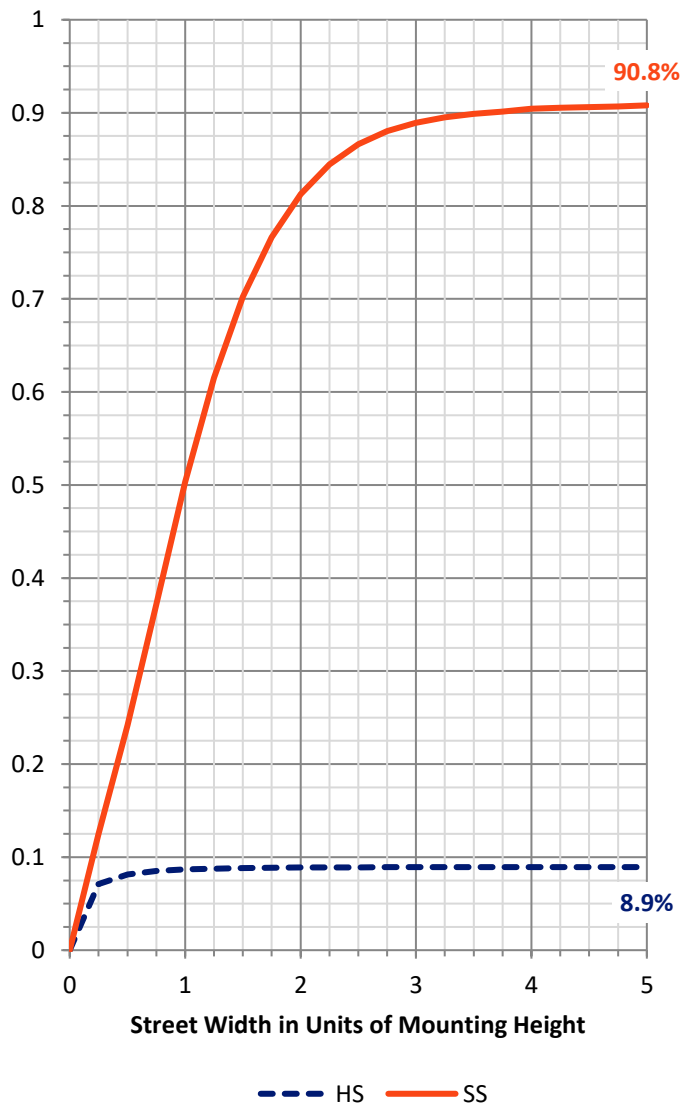
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	526.9	0.0	526.9
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	5338.0	0.0	5338.0
	% Fixture	91.0	0.0	91.0
Total	Lumens	5864.9	0.0	5864.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	1.5
10°-20°	200.8	3.4
20°-30°	322.2	5.5
30°-40°	558.9	9.5
40°-50°	931.8	15.9
50°-60°	1362.7	23.2
60°-70°	1588.9	27.1
70°-80°	771.1	13.1
80°-90°	40.3	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°	5864.9	100.0
0°-180°	5864.9	100.0



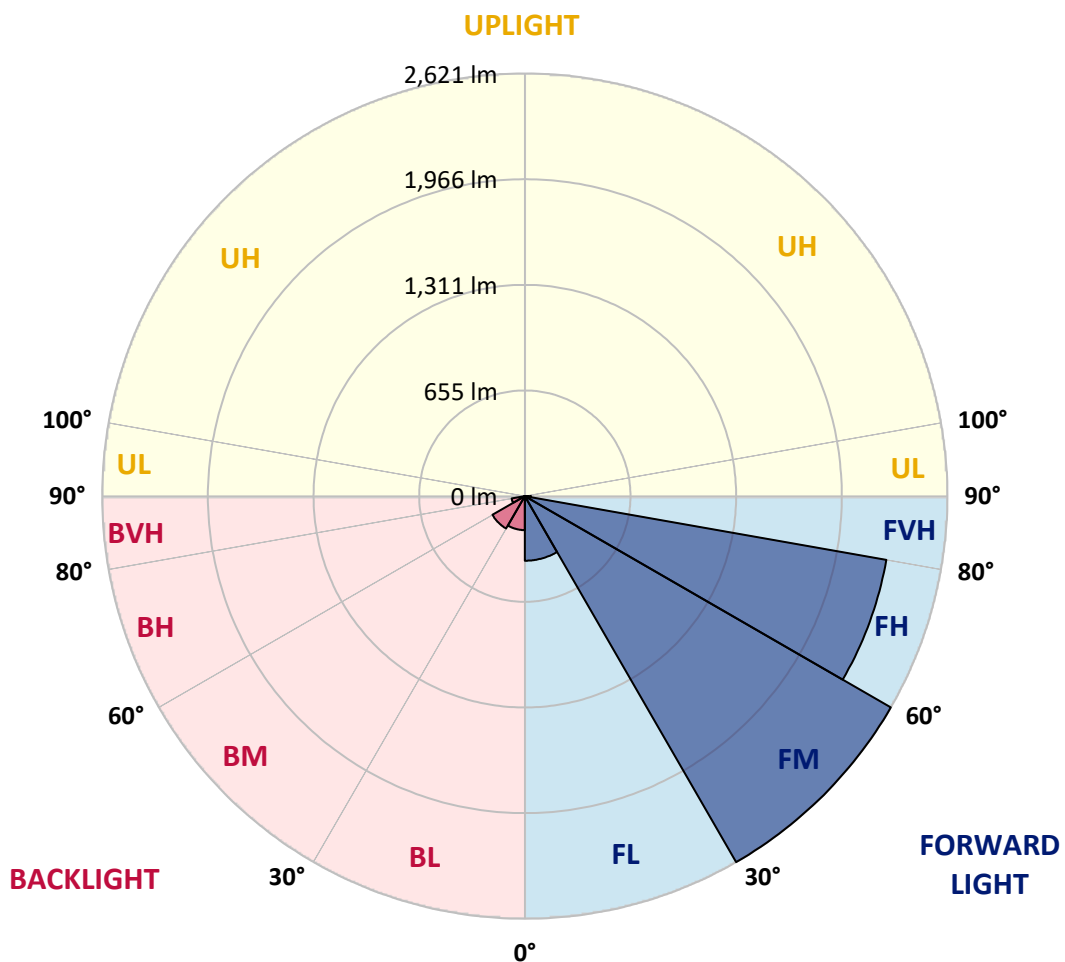
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	400.6	6.8			
FM (30°-60°)	2621.4	44.7			
FH (60°-80°)	2276.8	38.8			G2/5000
FVH (80°-90°)	39.1	0.7			G1/100
BL (0°-30°)	210.6	3.6	B1/500		
BM (30°-60°)	232.0	4.0	B1/1000		
BH (60°-80°)	83.1	1.4	B0/110		G0/110
BVH (80°-90°)	1.2	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°	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1
2.5°	927.8	933.7	941.3	944.0	953.2	966.2	962.4	959.7	974.3	994.3	1000.7
5°	870.0	870.5	882.4	891.1	906.7	919.2	932.7	931.6	958.1	992.1	1013.7
7.5°	813.2	814.3	826.8	840.3	863.0	887.3	907.8	906.7	949.4	994.8	1035.9
10°	738.7	744.1	759.2	783.0	818.6	857.0	885.7	888.4	939.7	1005.1	1066.1
12.5°	678.7	681.4	698.1	728.9	771.1	821.3	874.8	873.2	941.9	1024.0	1105.6
15°	653.3	651.7	661.9	684.6	732.7	796.0	864.0	867.8	949.4	1045.6	1146.6
17.5°	659.2	657.6	663.0	671.1	705.2	774.9	858.1	864.6	961.3	1068.3	1185.0
20°	725.2	713.8	704.1	695.4	700.3	757.6	854.3	861.3	968.3	1085.6	1225.5
22.5°	852.2	838.1	812.2	764.1	732.2	758.7	855.4	864.6	984.0	1113.7	1274.7
25°	1059.1	1045.6	989.9	891.6	807.3	797.6	870.0	879.7	1020.2	1156.4	1327.1
27.5°	1333.1	1302.8	1235.3	1094.2	931.6	859.7	913.8	924.6	1071.5	1189.3	1362.8
30°	1560.6	1553.5	1488.7	1315.8	1102.9	951.0	962.9	968.9	1094.8	1209.3	1398.5
32.5°	1796.7	1782.1	1722.7	1554.6	1301.7	1081.3	1018.0	1020.7	1125.0	1239.0	1450.3
35°	2002.0	1988.5	1938.8	1775.6	1534.1	1256.3	1109.4	1103.4	1187.7	1304.4	1520.6
37.5°	2192.2	2190.6	2146.9	1980.4	1742.7	1437.9	1243.9	1239.0	1285.5	1376.3	1615.7
40°	2378.1	2373.8	2336.5	2184.7	1948.0	1618.9	1372.0	1359.5	1368.7	1476.8	1741.0
42.5°	2492.1	2501.3	2514.3	2418.1	2191.7	1831.3	1534.1	1526.5	1524.9	1634.1	1905.9
45°	2553.7	2570.0	2646.2	2637.5	2450.0	2095.5	1764.8	1745.4	1738.9	1850.2	2094.4
47.5°	2613.7	2620.8	2745.6	2798.0	2697.5	2371.1	2043.6	2016.6	1990.2	2113.9	2319.8
50°	2617.5	2628.9	2783.4	2910.9	2905.0	2642.4	2356.5	2332.7	2302.5	2434.9	2539.7
52.5°	2564.6	2587.3	2778.5	2982.3	3033.6	2881.7	2681.3	2661.8	2637.0	2735.9	2725.0
55°	2198.7	2237.1	2683.4	2988.7	3123.8	3087.1	3007.7	2980.6	2956.3	3026.6	2906.6
57.5°	2024.7	2046.3	2394.9	2983.9	3238.9	3277.3	3290.8	3278.4	3244.3	3331.9	3096.3
60°	1920.4	1951.8	2257.1	2929.8	3363.2	3492.4	3577.2	3552.3	3510.7	3631.2	3299.4
62.5°	1795.6	1818.3	2119.8	2774.2	3437.2	3711.2	3845.8	3823.1	3737.1	3907.4	3463.7
65°	1565.4	1599.5	1901.5	2529.4	3337.8	3871.7	4098.6	4091.1	3941.9	4115.9	3508.6
67.5°	1274.2	1305.0	1586.5	2193.9	3047.1	3811.7	4241.8	4218.1	4034.9	4131.6	3366.5
70°	956.4	973.2	1185.6	1676.2	2496.5	3491.3	4138.1	4133.2	3893.8	3899.2	2930.4
72.5°	513.3	559.8	788.4	1121.8	1755.6	2827.7	3688.0	3668.5	3474.0	3193.5	2107.4
75°	179.4	192.9	419.9	630.1	953.7	1883.7	2835.8	2790.4	2598.1	2077.2	1148.3
77.5°	110.2	121.0	186.4	322.1	371.2	817.6	1703.8	1644.9	1520.6	898.1	392.3
80°	76.2	85.9	124.8	168.6	126.4	264.8	784.1	761.9	586.3	214.0	90.2
82.5°	42.7	51.3	94.6	82.7	50.8	68.6	271.8	251.8	156.2	57.8	30.3
85°	24.9	29.7	66.5	58.4	25.9	24.3	70.8	63.2	40.5	21.6	14.6
87.5°	13.0	16.8	48.6	38.9	15.7	8.6	16.2	15.7	10.3	7.6	9.7
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°	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1
2.5°	1012.6	1009.9	1024.0	1028.8	1027.8	1025.6	1031.0	1024.0	1023.4	1021.8	1020.2
5°	1031.0	1035.3	1046.7	1046.7	1031.6	1006.7	991.6	971.0	953.7	943.5	941.9
7.5°	1058.6	1067.2	1074.8	1051.5	999.7	938.1	872.7	821.3	776.5	753.3	751.1
10°	1097.5	1105.6	1099.6	1033.2	921.9	794.3	687.9	580.9	527.4	498.2	498.2
12.5°	1143.9	1150.4	1114.2	987.2	793.8	609.0	466.9	354.5	301.0	266.4	264.2
15°	1194.2	1195.8	1112.1	907.3	635.5	409.1	268.0	196.7	174.0	169.1	168.1
17.5°	1238.0	1231.5	1089.4	788.9	457.7	243.7	170.2	154.0	149.7	149.7	149.7
20°	1279.0	1257.4	1044.0	651.1	293.4	165.9	146.4	142.1	142.1	142.7	142.7
22.5°	1324.4	1281.7	979.1	498.2	188.6	142.1	137.3	135.1	134.6	136.2	135.6
25°	1377.9	1305.5	886.2	344.2	145.9	132.4	130.2	128.1	128.1	128.1	128.1
27.5°	1407.6	1302.3	780.3	217.2	127.5	122.7	120.5	118.3	116.7	116.2	116.7
30°	1433.6	1283.4	641.9	151.8	115.1	109.7	108.1	105.4	102.1	101.0	101.0
32.5°	1467.6	1267.7	497.1	122.1	104.3	98.3	93.5	89.2	83.8	81.6	81.1
35°	1505.4	1239.0	364.2	107.5	94.6	87.0	79.4	72.4	65.4	63.2	62.7
37.5°	1552.5	1213.1	246.9	99.4	86.5	77.3	67.0	57.3	50.8	49.7	49.7
40°	1616.2	1191.5	170.8	92.4	78.9	68.1	55.7	45.4	41.1	40.0	40.0
42.5°	1703.2	1173.7	129.1	86.5	72.4	58.9	44.9	37.3	34.0	33.0	33.0
45°	1805.9	1146.1	109.2	81.1	65.9	49.7	37.3	31.3	29.7	29.7	29.7
47.5°	1923.7	1111.5	99.4	75.7	58.9	40.5	31.3	28.6	28.1	28.1	28.6
50°	2042.6	1070.5	92.4	69.2	50.8	34.6	28.6	27.0	27.0	27.6	27.6
52.5°	2123.1	1006.2	85.4	62.1	42.7	30.3	27.0	26.5	25.9	25.9	25.9
55°	2201.4	950.0	75.7	54.6	35.7	28.1	25.9	25.4	25.4	24.9	24.9
57.5°	2283.0	905.6	63.2	45.4	30.3	26.5	24.9	24.9	23.8	23.2	23.2
60°	2377.6	866.7	48.6	35.7	26.5	24.9	23.2	22.7	21.6	20.5	20.5
62.5°	2405.1	784.6	36.7	28.6	22.7	21.6	21.1	20.0	17.3	15.1	15.7
65°	2333.3	655.5	29.2	22.7	18.4	18.4	16.8	14.0	11.3	9.7	9.7
67.5°	2135.0	489.6	23.8	17.8	14.6	14.0	11.9	10.3	7.0	5.9	5.9
70°	1759.4	323.7	19.5	14.0	11.9	9.7	8.1	7.6	5.4	4.3	4.3
72.5°	1233.1	175.6	16.2	11.3	8.6	6.5	5.4	4.9	3.8	3.2	2.7
75°	651.1	67.5	13.0	8.6	5.4	4.3	3.2	3.2	2.7	2.2	2.2
77.5°	223.2	28.6	9.2	4.9	3.8	2.7	2.2	1.6	2.2	1.6	1.6
80°	53.0	16.8	5.9	3.2	2.2	1.6	1.6	1.1	1.1	1.1	1.1
82.5°	23.2	9.7	3.8	2.2	2.2	1.6	1.1	0.5	0.5	0.5	0.5
85°	15.7	5.9	2.7	2.2	1.6	1.1	0.5	0.5	0.0	0.0	0.0
87.5°	12.4	3.8	2.2	2.2	1.6	1.1	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)