

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: P674709

Luminaire Tested: **CCP-SA-2B-740-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674709
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-740-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

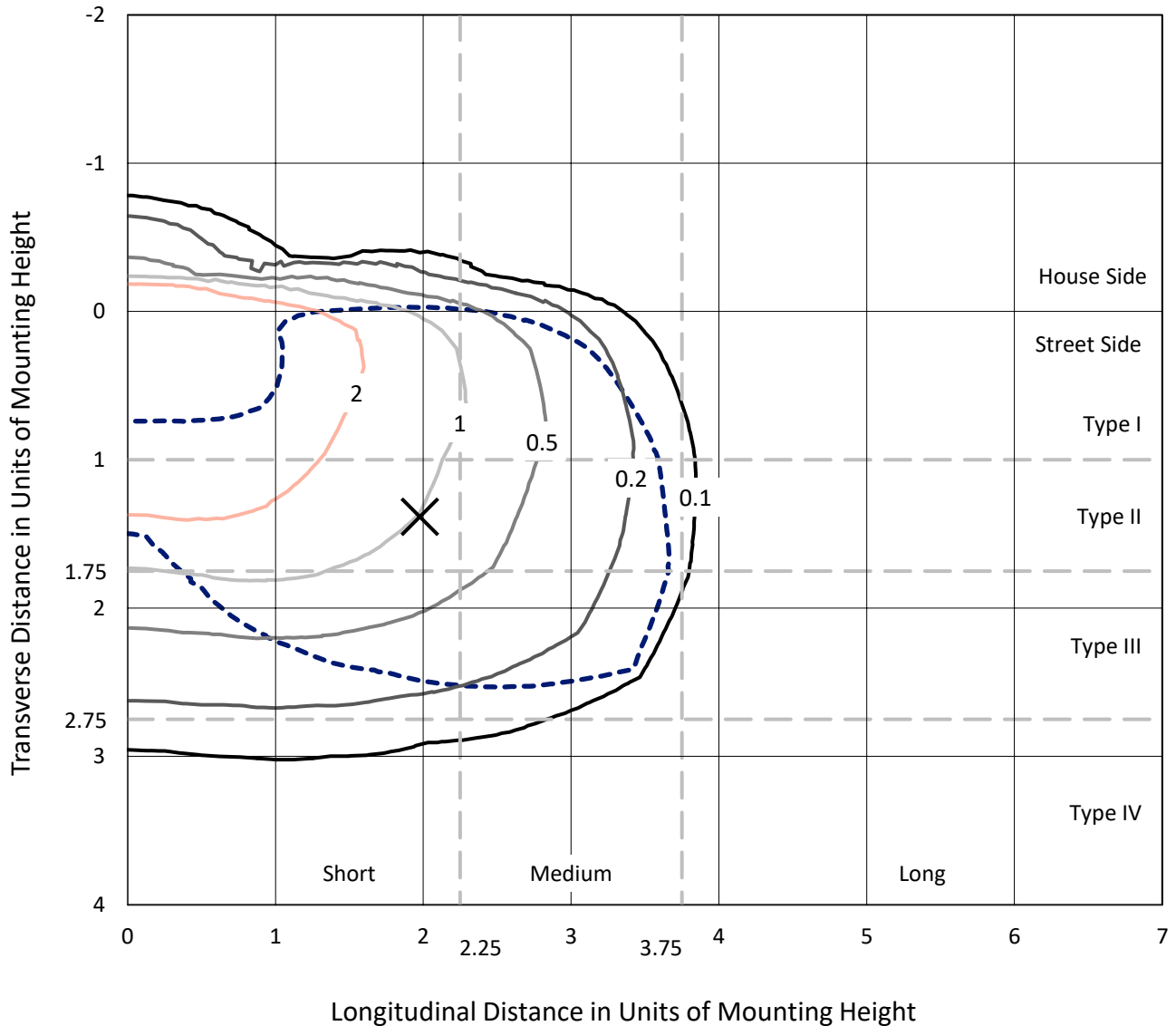
Lumens per Lamp: N/A
Luminaire Lumens: 5477.2 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 46
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

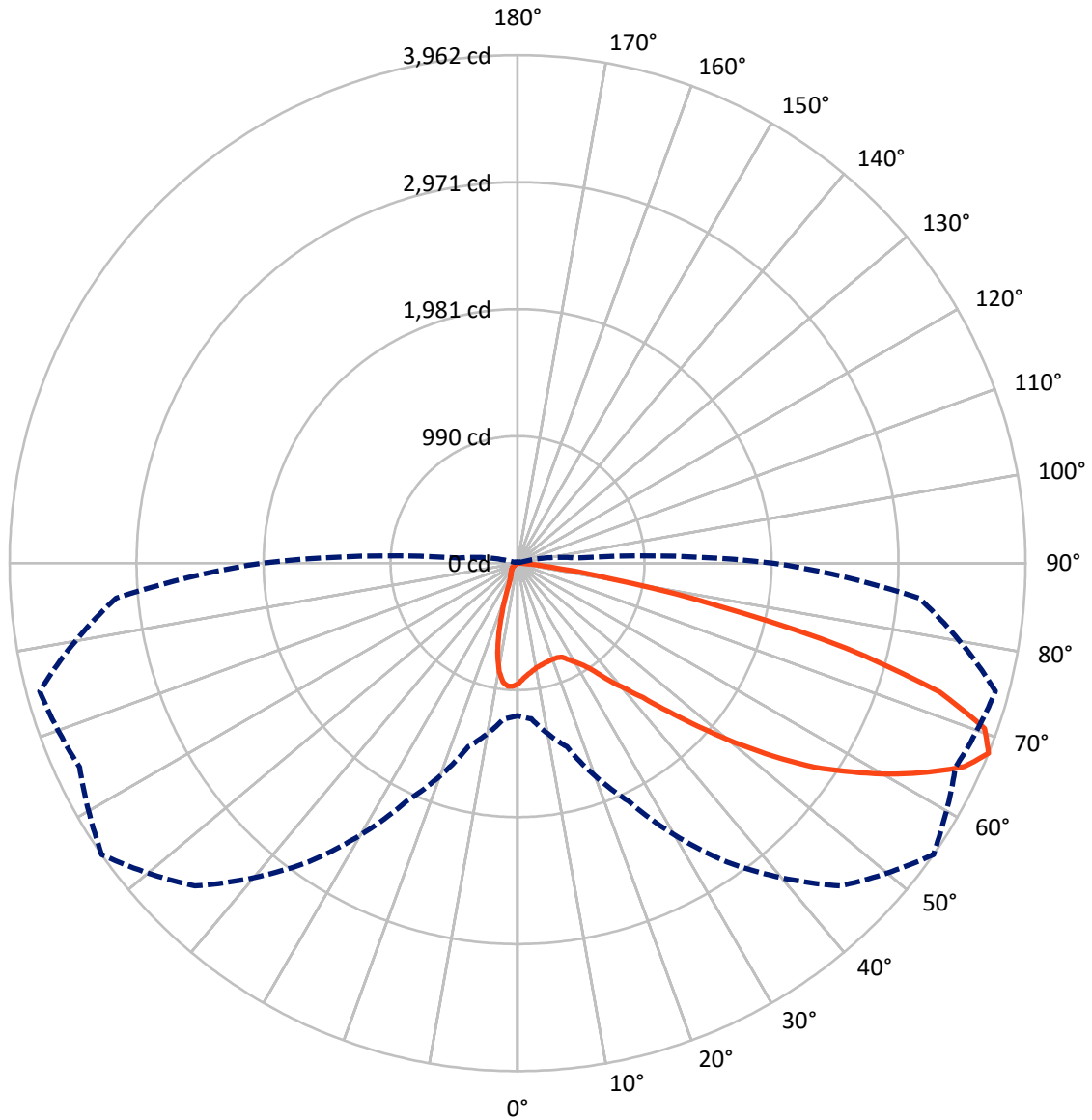
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.6 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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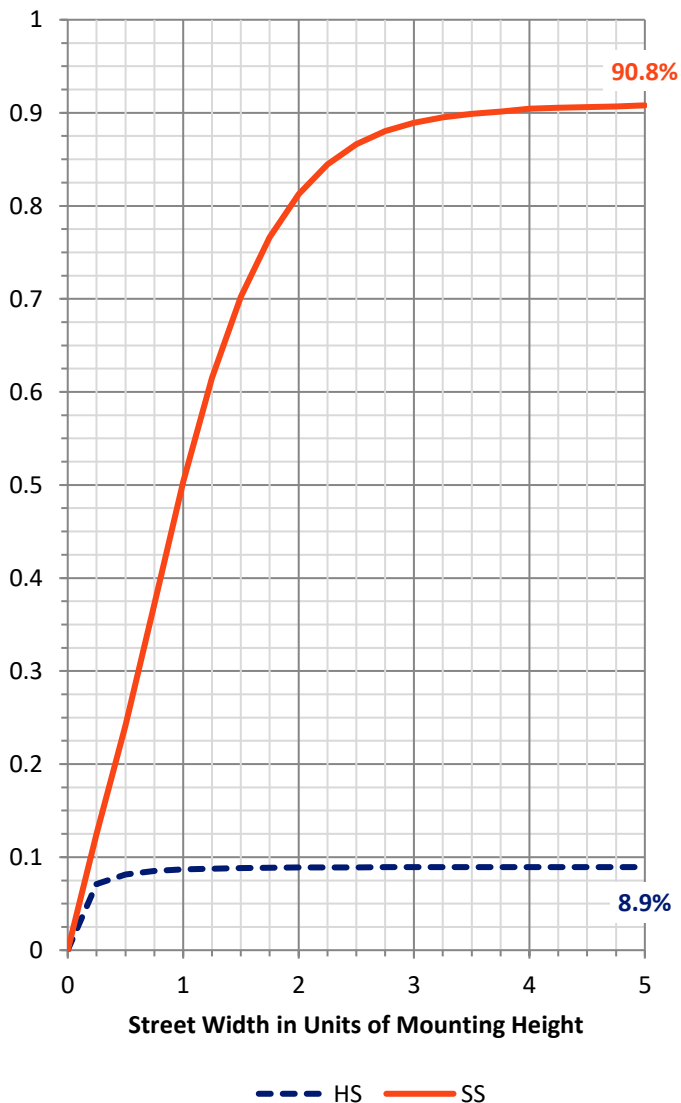
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	492.0	0.0	492.0
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4985.2	0.0	4985.2
	% Fixture	91.0	0.0	91.0
Total	Lumens	5477.2	0.0	5477.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.4	1.5
10°-20°	187.6	3.4
20°-30°	300.9	5.5
30°-40°	521.9	9.5
40°-50°	870.3	15.9
50°-60°	1272.6	23.2
60°-70°	1483.8	27.1
70°-80°	720.1	13.1
80°-90°	37.6	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°	5477.2	100.0
0°-180°	5477.2	100.0



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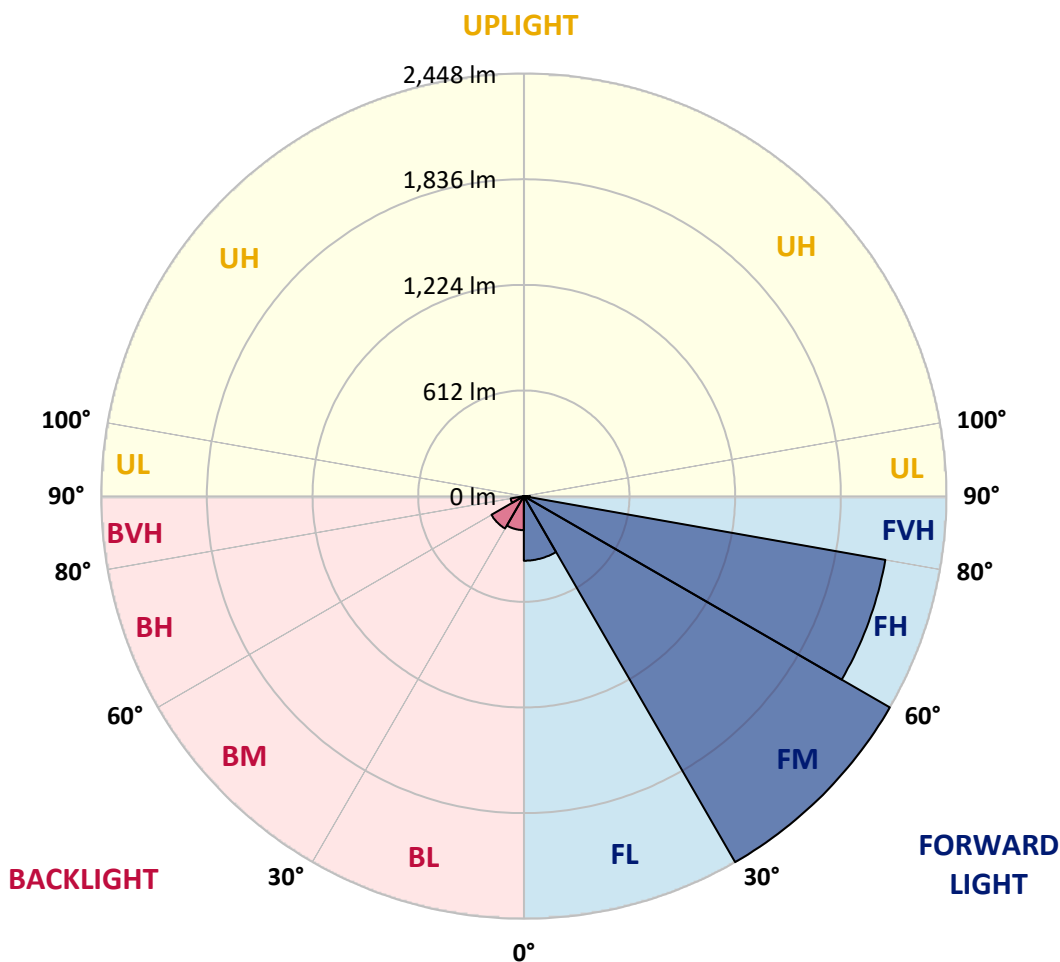
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	374.2	6.8			
FM (30°-60°)	2448.1	44.7			
FH (60°-80°)	2126.3	38.8			G2/5000
FVH (80°-90°)	36.5	0.7			G1/100
BL (0°-30°)	196.7	3.6	B1/500		
BM (30°-60°)	216.6	4.0	B0/220		
BH (60°-80°)	77.6	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°	938.6	938.6	938.6	938.6	938.6	938.6	938.6	938.6	938.6	938.6	938.6
2.5°	866.5	872.0	879.1	881.6	890.2	902.3	898.8	896.3	909.9	928.6	934.6
5°	812.5	813.0	824.1	832.2	846.8	858.4	871.0	870.0	894.7	926.5	946.7
7.5°	759.5	760.5	772.1	784.7	805.9	828.6	847.8	846.8	886.7	929.1	967.4
10°	689.9	694.9	709.0	731.2	764.5	800.4	827.1	829.6	877.6	938.6	995.7
12.5°	633.8	636.4	652.0	680.8	720.1	767.1	817.0	815.5	879.6	956.3	1032.5
15°	610.1	608.6	618.2	639.4	684.3	743.3	806.9	810.5	886.7	976.5	1070.9
17.5°	615.7	614.2	619.2	626.8	658.6	723.7	801.4	807.4	897.8	997.7	1106.7
20°	677.2	666.6	657.6	649.5	654.0	707.5	797.8	804.4	904.3	1013.8	1144.5
22.5°	795.8	782.7	758.5	713.6	683.8	708.5	798.9	807.4	919.0	1040.1	1190.5
25°	989.1	976.5	924.5	832.7	753.9	744.9	812.5	821.6	952.8	1079.9	1239.4
27.5°	1245.0	1216.7	1153.6	1021.9	870.0	802.9	853.4	863.5	1000.7	1110.7	1272.7
30°	1457.4	1450.9	1390.3	1228.8	1030.0	888.2	899.3	904.8	1022.4	1129.4	1306.0
32.5°	1678.0	1664.3	1608.8	1451.9	1215.7	1009.8	950.8	953.3	1050.7	1157.2	1354.5
35°	1869.7	1857.1	1810.7	1658.3	1432.7	1173.3	1036.0	1030.5	1109.2	1218.2	1420.1
37.5°	2047.4	2045.8	2005.0	1849.5	1627.5	1342.9	1161.7	1157.2	1200.6	1285.3	1508.9
40°	2221.0	2216.9	2182.1	2040.3	1819.3	1511.9	1281.3	1269.7	1278.3	1379.2	1626.0
42.5°	2327.4	2336.0	2348.1	2258.3	2046.9	1710.3	1432.7	1425.6	1424.1	1526.1	1779.9
45°	2385.0	2400.1	2471.3	2463.2	2288.1	1957.0	1648.2	1630.0	1624.0	1727.9	1956.0
47.5°	2441.0	2447.5	2564.1	2613.1	2519.2	2214.4	1908.6	1883.3	1858.6	1974.2	2166.5
50°	2444.5	2455.1	2599.4	2718.5	2713.0	2467.7	2200.8	2178.6	2150.3	2273.9	2371.8
52.5°	2395.1	2416.3	2594.9	2785.1	2833.1	2691.3	2504.1	2485.9	2462.7	2555.0	2544.9
55°	2053.4	2089.2	2506.1	2791.2	2917.4	2883.1	2808.9	2783.6	2760.9	2826.5	2714.5
57.5°	1890.9	1911.1	2236.6	2786.7	3024.9	3060.7	3073.3	3061.7	3029.9	3111.7	2891.6
60°	1793.5	1822.8	2107.9	2736.2	3140.9	3261.5	3340.8	3317.6	3278.7	3391.2	3081.4
62.5°	1676.9	1698.1	1979.7	2590.9	3210.1	3465.9	3591.6	3570.4	3490.1	3649.1	3234.8
65°	1462.0	1493.8	1775.9	2362.3	3117.2	3615.8	3827.8	3820.7	3681.4	3843.9	3276.7
67.5°	1190.0	1218.7	1481.6	2048.9	2845.7	3559.8	3961.5	3939.3	3768.2	3858.5	3144.0
70°	893.2	908.9	1107.2	1565.4	2331.5	3260.5	3864.6	3860.0	3636.5	3641.5	2736.7
72.5°	479.4	522.8	736.3	1047.6	1639.6	2640.8	3444.2	3426.1	3244.4	2982.5	1968.1
75°	167.5	180.2	392.1	588.4	890.7	1759.2	2648.4	2606.0	2426.3	1939.9	1072.4
77.5°	102.9	113.0	174.1	300.8	346.7	763.5	1591.2	1536.1	1420.1	838.7	366.4
80°	71.2	80.2	116.6	157.5	118.1	247.3	732.2	711.6	547.5	199.8	84.3
82.5°	39.9	47.9	88.3	77.2	47.4	64.1	253.8	235.2	145.8	54.0	28.3
85°	23.2	27.8	62.1	54.5	24.2	22.7	66.1	59.0	37.8	20.2	13.6
87.5°	12.1	15.6	45.4	36.3	14.6	8.1	15.1	14.6	9.6	7.1	9.1
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°	938.6	938.6	938.6	938.6	938.6	938.6	938.6	938.6	938.6	938.6	938.6
2.5°	945.7	943.2	956.3	960.8	959.8	957.8	962.9	956.3	955.8	954.3	952.8
5°	962.9	966.9	977.5	977.5	963.4	940.2	926.0	906.9	890.7	881.1	879.6
7.5°	988.6	996.7	1003.7	982.0	933.6	876.1	815.0	767.1	725.2	703.5	701.5
10°	1024.9	1032.5	1027.0	964.9	860.9	741.8	642.4	542.5	492.5	465.3	465.3
12.5°	1068.3	1074.4	1040.6	922.0	741.3	568.7	436.0	331.0	281.1	248.8	246.8
15°	1115.3	1116.8	1038.6	847.3	593.5	382.0	250.3	183.7	162.5	158.0	156.9
17.5°	1156.1	1150.1	1017.4	736.8	427.4	227.6	159.0	143.8	139.8	139.8	139.8
20°	1194.5	1174.3	975.0	608.1	274.0	154.9	136.8	132.7	132.7	133.2	133.2
22.5°	1236.9	1197.0	914.4	465.3	176.1	132.7	128.2	126.2	125.7	127.2	126.7
25°	1286.9	1219.2	827.6	321.5	136.3	123.6	121.6	119.6	119.6	119.6	119.6
27.5°	1314.6	1216.2	728.7	202.9	119.1	114.6	112.5	110.5	109.0	108.5	109.0
30°	1338.8	1198.5	599.5	141.8	107.5	102.4	100.9	98.4	95.4	94.4	94.4
32.5°	1370.6	1183.9	464.3	114.1	97.4	91.8	87.3	83.3	78.2	76.2	75.7
35°	1405.9	1157.2	340.1	100.4	88.3	81.2	74.2	67.6	61.1	59.0	58.5
37.5°	1449.9	1132.9	230.6	92.9	80.7	72.2	62.6	53.5	47.4	46.4	46.4
40°	1509.4	1112.7	159.5	86.3	73.7	63.6	52.0	42.4	38.4	37.3	37.3
42.5°	1590.6	1096.1	120.6	80.7	67.6	55.0	41.9	34.8	31.8	30.8	30.8
45°	1686.5	1070.4	101.9	75.7	61.6	46.4	34.8	29.3	27.8	27.8	27.8
47.5°	1796.5	1038.1	92.9	70.7	55.0	37.8	29.3	26.7	26.2	26.2	26.7
50°	1907.6	999.7	86.3	64.6	47.4	32.3	26.7	25.2	25.2	25.7	25.7
52.5°	1982.8	939.7	79.7	58.0	39.9	28.3	25.2	24.7	24.2	24.2	24.2
55°	2055.9	887.2	70.7	51.0	33.3	26.2	24.2	23.7	23.7	23.2	23.2
57.5°	2132.1	845.8	59.0	42.4	28.3	24.7	23.2	23.2	22.2	21.7	21.7
60°	2220.4	809.5	45.4	33.3	24.7	23.2	21.7	21.2	20.2	19.2	19.2
62.5°	2246.2	732.7	34.3	26.7	21.2	20.2	19.7	18.7	16.1	14.1	14.6
65°	2179.1	612.1	27.3	21.2	17.2	17.2	15.6	13.1	10.6	9.1	9.1
67.5°	1993.9	457.2	22.2	16.7	13.6	13.1	11.1	9.6	6.6	5.6	5.6
70°	1643.1	302.3	18.2	13.1	11.1	9.1	7.6	7.1	5.0	4.0	4.0
72.5°	1151.6	164.0	15.1	10.6	8.1	6.1	5.0	4.5	3.5	3.0	2.5
75°	608.1	63.1	12.1	8.1	5.0	4.0	3.0	3.0	2.5	2.0	2.0
77.5°	208.4	26.7	8.6	4.5	3.5	2.5	2.0	1.5	2.0	1.5	1.5
80°	49.5	15.6	5.6	3.0	2.0	1.5	1.5	1.0	1.0	1.0	1.0
82.5°	21.7	9.1	3.5	2.0	2.0	1.5	1.0	0.5	0.5	0.5	0.5
85°	14.6	5.6	2.5	2.0	1.5	1.0	0.5	0.5	0.0	0.0	0.0
87.5°	11.6	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)