

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: P670794

Luminaire Tested: **CCP-SA-1C-730-U-T3**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P670794  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-730-U-T3  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T3 distribution lens  
Light Source: (16) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

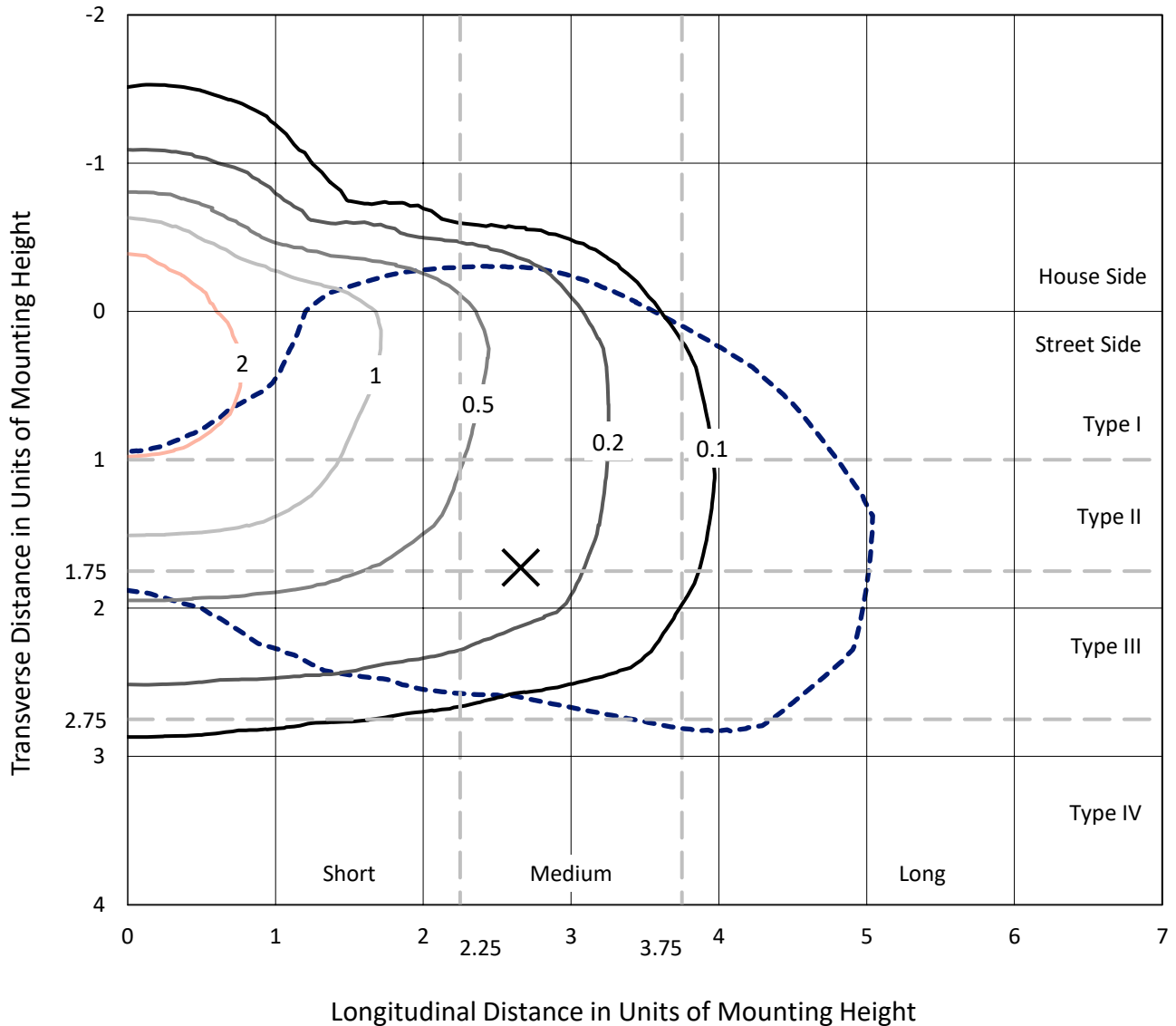
Lumens per Lamp: N/A  
Luminaire Lumens: 4159.8 lumens  
Efficiency: N/A  
Efficacy: 130.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

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

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### Iso-Footcandle Lines of Horizontal Illumination

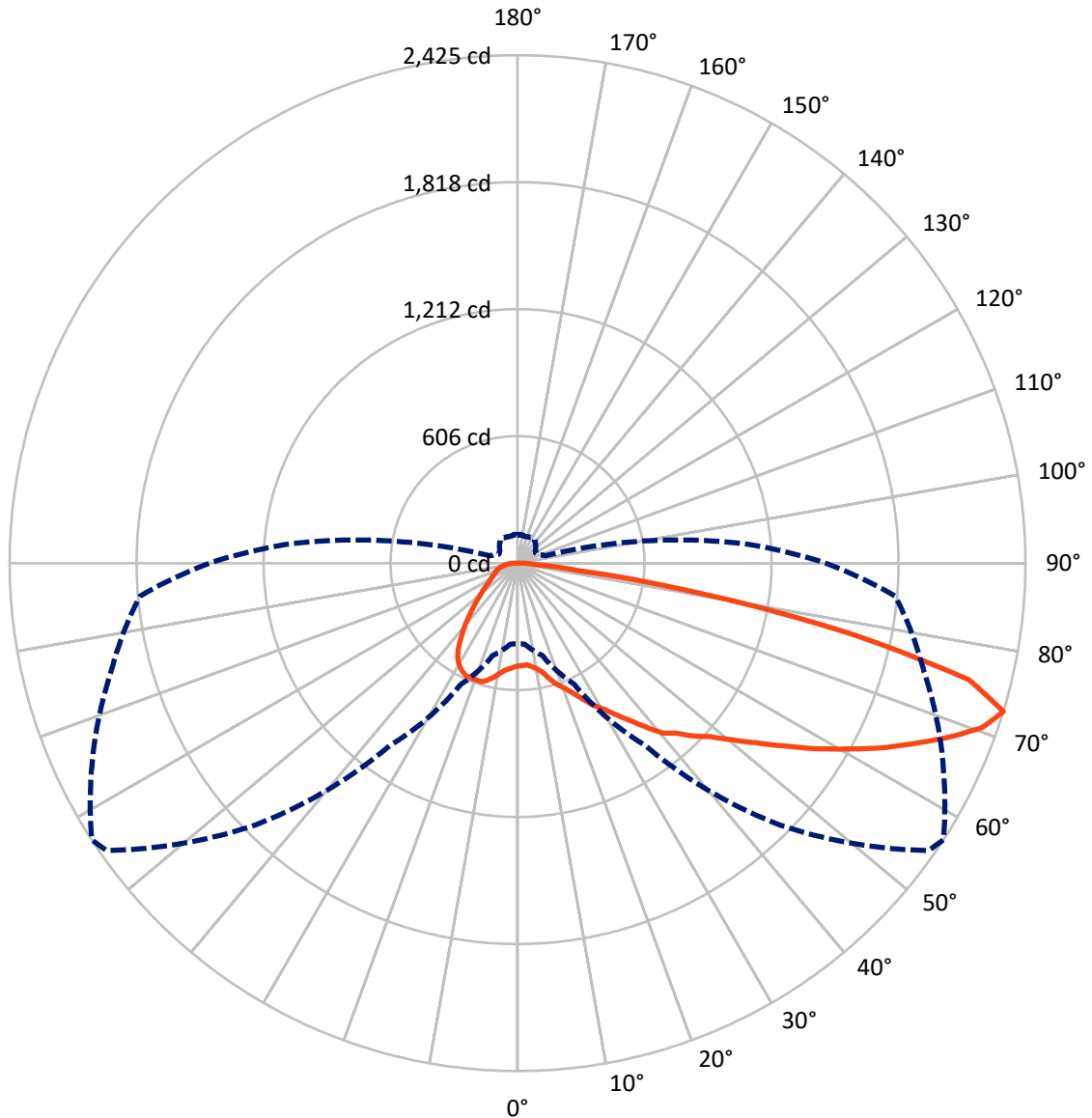
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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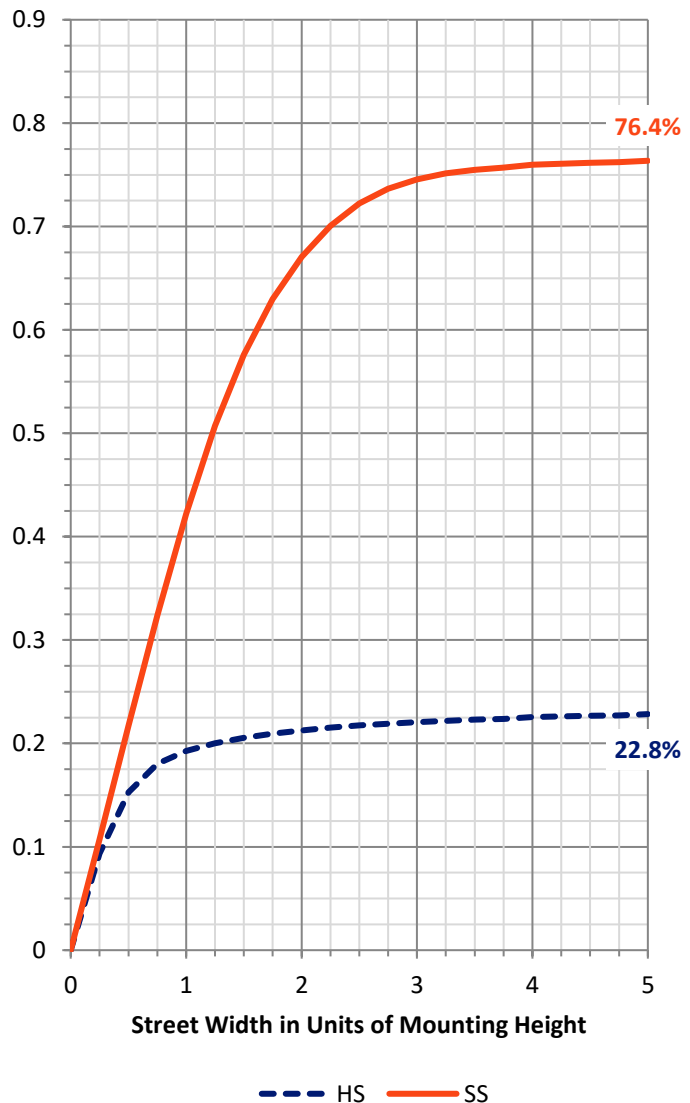
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	971.5	0.0	971.5
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	3188.4	0.0	3188.4
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	4159.8	0.0	4159.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.7	1.2
10°-20°	164.3	3.9
20°-30°	300.3	7.2
30°-40°	440.5	10.6
40°-50°	606.5	14.6
50°-60°	831.7	20.0
60°-70°	1002.6	24.1
70°-80°	667.9	16.1
80°-90°	97.3	2.3
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°	4159.8	100.0
0°-180°	4159.8	100.0



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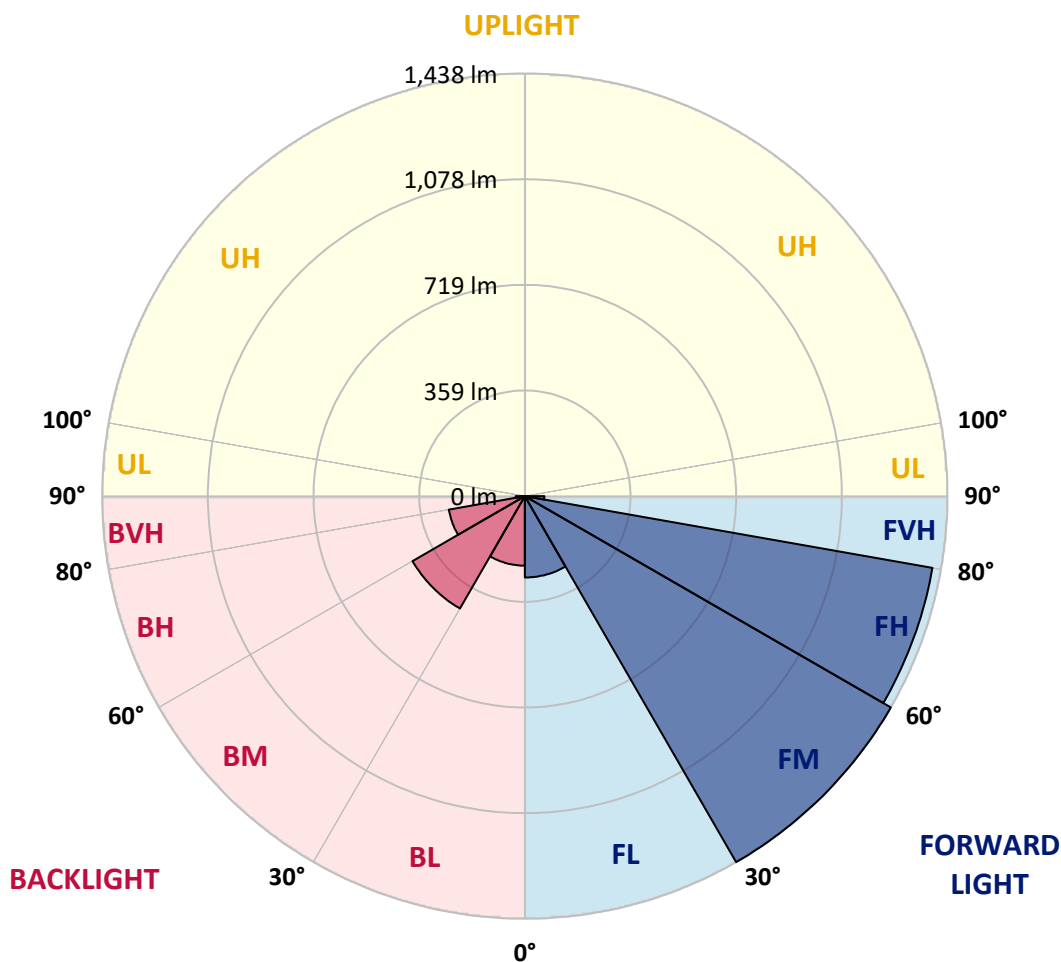
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	276.7	6.7			
FM (30°-60°)	1437.5	34.6			
FH (60°-80°)	1407.8	33.8			G1/1800
FVH (80°-90°)	66.2	1.6			G1/100
BL (0°-30°)	236.5	5.7	B1/500		
BM (30°-60°)	441.2	10.6	B1/1000		
BH (60°-80°)	262.7	6.3	B1/500		G1/500
BVH (80°-90°)	31.0	0.7			G1/100
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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	491.0	491.0	491.0	491.0	491.0	491.0	491.0	491.0	491.0	491.0	491.0
2.5°	481.9	483.4	486.4	484.9	484.9	480.4	488.0	489.5	486.4	488.0	491.0
5°	481.9	484.9	489.5	486.4	488.0	486.4	483.4	488.0	488.0	489.5	494.0
7.5°	507.7	506.1	506.1	501.6	500.1	498.6	500.1	500.1	497.1	498.6	498.6
10°	536.5	536.5	533.4	533.4	530.4	522.8	515.2	513.7	509.2	510.7	510.7
12.5°	566.8	569.8	572.8	563.7	560.7	548.6	544.0	534.9	534.9	531.9	530.4
15°	604.6	600.1	603.1	600.1	592.5	580.4	572.8	574.3	563.7	560.7	556.2
17.5°	638.0	639.5	635.0	631.9	618.3	609.2	610.7	609.2	595.6	591.0	583.4
20°	677.4	675.9	675.9	666.8	654.7	642.5	638.0	636.5	639.5	630.4	612.2
22.5°	718.3	712.2	712.2	704.7	688.0	680.4	677.4	671.3	674.4	666.8	639.5
25°	751.6	751.6	762.2	747.1	738.0	722.8	716.8	718.3	719.8	704.7	672.8
27.5°	795.6	788.0	798.6	791.0	786.5	769.8	762.2	766.8	763.8	747.1	703.1
30°	851.7	853.2	847.1	836.5	830.4	818.3	813.8	809.2	813.8	792.6	736.5
32.5°	921.4	925.9	910.8	898.6	888.0	875.9	866.8	862.3	866.8	835.0	762.2
35°	1001.7	1006.2	994.1	980.5	968.3	938.0	930.5	922.9	906.2	854.7	786.5
37.5°	1075.9	1069.9	1066.8	1066.8	1044.1	1000.2	995.6	991.1	959.3	894.1	819.8
40°	1125.9	1133.5	1130.5	1127.5	1124.4	1083.5	1074.4	1066.8	1013.8	953.2	866.8
42.5°	1182.0	1177.5	1189.6	1194.1	1183.5	1171.4	1135.0	1109.3	1062.3	1013.8	936.5
45°	1248.7	1245.7	1250.2	1266.9	1251.7	1256.3	1195.7	1177.5	1118.4	1089.6	1024.4
47.5°	1307.8	1315.4	1338.1	1342.6	1330.5	1351.7	1266.9	1238.1	1200.2	1177.5	1115.3
50°	1333.6	1342.6	1394.2	1426.0	1427.5	1460.8	1338.1	1326.0	1274.5	1283.5	1229.0
52.5°	1312.3	1341.1	1403.3	1486.6	1538.1	1571.5	1432.1	1426.0	1379.0	1407.8	1353.3
55°	1332.0	1359.3	1400.2	1516.9	1647.2	1654.8	1562.4	1539.7	1492.7	1532.1	1482.1
57.5°	1341.1	1326.0	1403.3	1550.3	1727.6	1747.3	1686.6	1670.0	1633.6	1671.5	1642.7
60°	1269.9	1288.1	1360.8	1541.2	1732.1	1845.8	1826.1	1801.8	1768.5	1803.3	1786.7
62.5°	1189.6	1201.7	1280.5	1486.6	1757.9	1917.0	1960.9	1942.7	1895.8	1926.1	1954.9
65°	1088.1	1089.6	1177.5	1389.6	1707.9	1957.9	2079.1	2077.6	2044.3	2036.7	2082.2
67.5°	963.8	975.9	1045.6	1286.6	1639.7	2003.4	2195.8	2218.6	2151.9	2092.8	2109.4
70°	739.5	751.6	818.3	1054.7	1500.2	1989.7	2339.8	2351.9	2221.6	2071.6	2029.1
72.5°	384.9	387.9	456.1	636.5	1063.8	1767.0	2392.8	2424.6	2239.8	2009.4	1809.4
75°	127.3	127.3	156.1	242.5	501.6	1130.5	2167.0	2224.6	2150.4	1854.9	1480.5
77.5°	75.8	77.3	92.4	121.2	200.0	451.6	1527.5	1629.1	1759.4	1577.5	1082.0
80°	54.6	56.1	69.7	83.3	119.7	145.5	766.8	907.7	1080.5	1015.3	577.4
82.5°	40.9	40.9	54.6	62.1	81.8	86.4	213.7	292.5	466.7	363.7	159.1
85°	42.4	42.4	42.4	43.9	56.1	50.0	89.4	95.5	136.4	119.7	43.9
87.5°	15.2	16.7	42.4	28.8	28.8	21.2	34.9	37.9	48.5	50.0	16.7
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°	491.0	491.0	491.0	491.0	491.0	491.0	491.0	491.0	491.0	491.0	491.0
2.5°	492.5	492.5	494.0	494.0	497.1	500.1	504.6	501.6	501.6	503.1	501.6
5°	491.0	492.5	497.1	504.6	507.7	509.2	518.3	518.3	518.3	521.3	521.3
7.5°	497.1	500.1	507.7	515.2	516.8	521.3	533.4	536.5	544.0	547.1	548.6
10°	512.2	516.8	522.8	531.9	538.0	544.0	553.1	563.7	562.2	571.3	572.8
12.5°	534.9	533.4	544.0	553.1	559.2	568.3	571.3	571.3	571.3	571.3	574.3
15°	553.1	556.2	565.2	571.3	578.9	577.4	571.3	565.2	566.8	565.2	565.2
17.5°	580.4	580.4	588.0	589.5	592.5	577.4	568.3	568.3	572.8	572.8	569.8
20°	607.7	606.2	609.2	607.7	588.0	569.8	568.3	569.8	571.3	569.8	568.3
22.5°	633.4	630.4	625.9	619.8	584.9	568.3	565.2	557.7	550.1	550.1	545.5
25°	656.2	653.1	641.0	622.8	583.4	559.2	544.0	525.8	516.8	512.2	518.3
27.5°	677.4	671.3	654.7	622.8	569.8	534.9	506.1	483.4	475.8	469.8	475.8
30°	706.2	695.6	672.8	618.3	548.6	497.1	457.7	430.4	422.8	413.7	416.7
32.5°	731.9	707.7	688.0	604.6	521.3	454.6	409.2	381.9	368.2	360.7	366.7
35°	759.2	735.0	694.1	583.4	478.9	403.1	357.6	331.9	321.3	310.7	310.7
37.5°	786.5	772.9	703.1	544.0	427.3	354.6	313.7	294.0	275.8	256.1	256.1
40°	844.1	825.9	713.8	498.6	375.8	307.6	278.8	253.1	234.9	207.6	206.1
42.5°	904.7	865.3	713.8	444.0	330.4	274.3	247.0	219.7	186.4	169.7	171.2
45°	982.0	936.5	694.1	395.5	284.9	247.0	216.7	181.8	166.7	156.1	156.1
47.5°	1079.0	1007.7	669.8	342.5	248.5	222.8	184.9	163.7	153.1	144.0	142.4
50°	1194.1	1072.9	639.5	297.0	218.2	200.0	168.2	151.5	142.4	136.4	136.4
52.5°	1315.4	1168.4	618.3	256.1	194.0	169.7	156.1	145.5	137.9	133.4	131.8
55°	1438.1	1263.8	603.1	212.2	171.2	156.1	153.1	144.0	140.9	136.4	133.4
57.5°	1576.0	1342.6	600.1	181.8	153.1	150.0	156.1	148.5	144.0	139.4	134.9
60°	1724.5	1448.7	572.8	157.6	144.0	147.0	151.5	144.0	140.9	136.4	133.4
62.5°	1871.5	1527.5	498.6	139.4	134.9	137.9	144.0	137.9	133.4	134.9	136.4
65°	1932.1	1533.6	386.4	125.8	124.3	125.8	134.9	133.4	128.8	137.9	137.9
67.5°	1871.5	1479.0	272.8	113.7	113.7	121.2	136.4	139.4	134.9	147.0	145.5
70°	1733.6	1344.2	184.9	106.1	109.1	128.8	140.9	137.9	131.8	147.0	144.0
72.5°	1471.5	1075.9	134.9	98.5	103.0	122.7	139.4	136.4	131.8	137.9	131.8
75°	1104.7	765.3	106.1	89.4	90.9	110.6	144.0	136.4	124.3	121.2	116.7
77.5°	738.0	472.8	81.8	78.8	78.8	97.0	137.9	127.3	112.1	107.6	106.1
80°	351.6	189.4	65.2	66.7	68.2	83.3	125.8	113.7	101.5	95.5	95.5
82.5°	112.1	71.2	54.6	54.6	54.6	68.2	104.6	95.5	87.9	83.3	75.8
85°	39.4	39.4	47.0	48.5	43.9	50.0	86.4	81.8	72.7	60.6	59.1
87.5°	15.2	22.7	31.8	37.9	27.3	34.9	62.1	57.6	53.0	39.4	37.9
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)