

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: P672170

Luminaire Tested: **CCP-SA-1F-835-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672170
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-835-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T2R distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

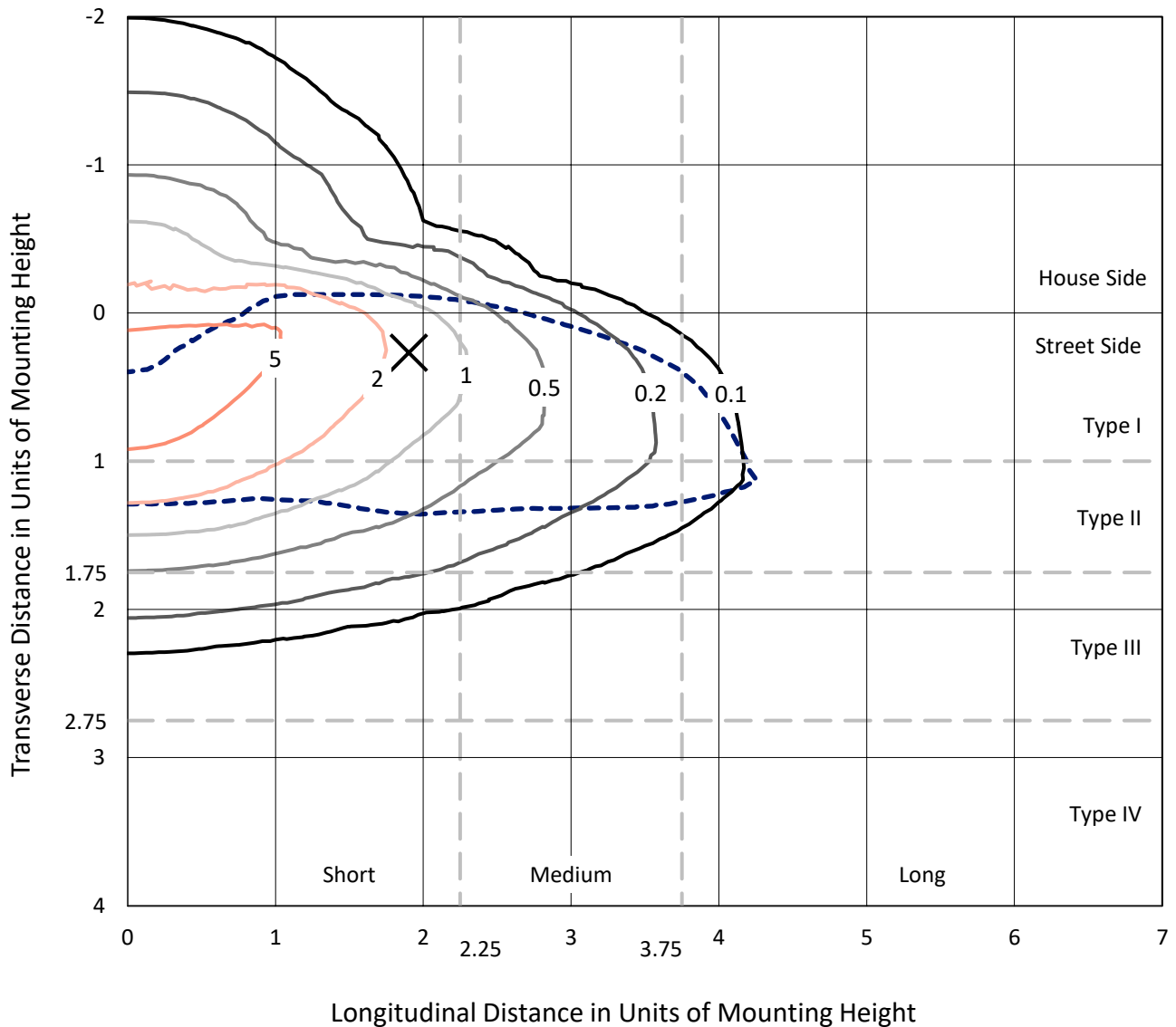
Lumens per Lamp: N/A
Luminaire Lumens: 6275.5 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 67
Input Voltage (V): 120
Input Current (A_{in}): 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

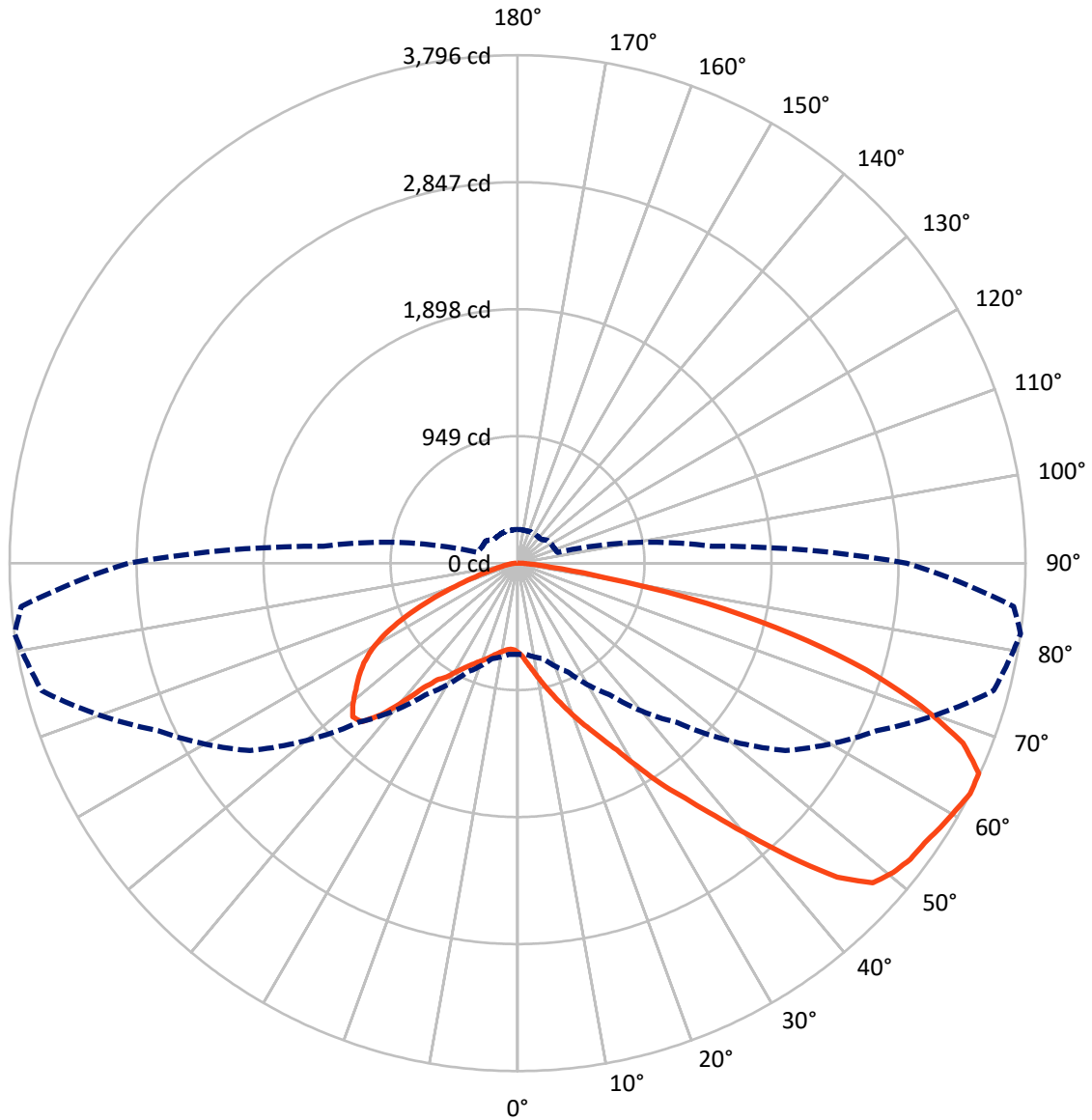
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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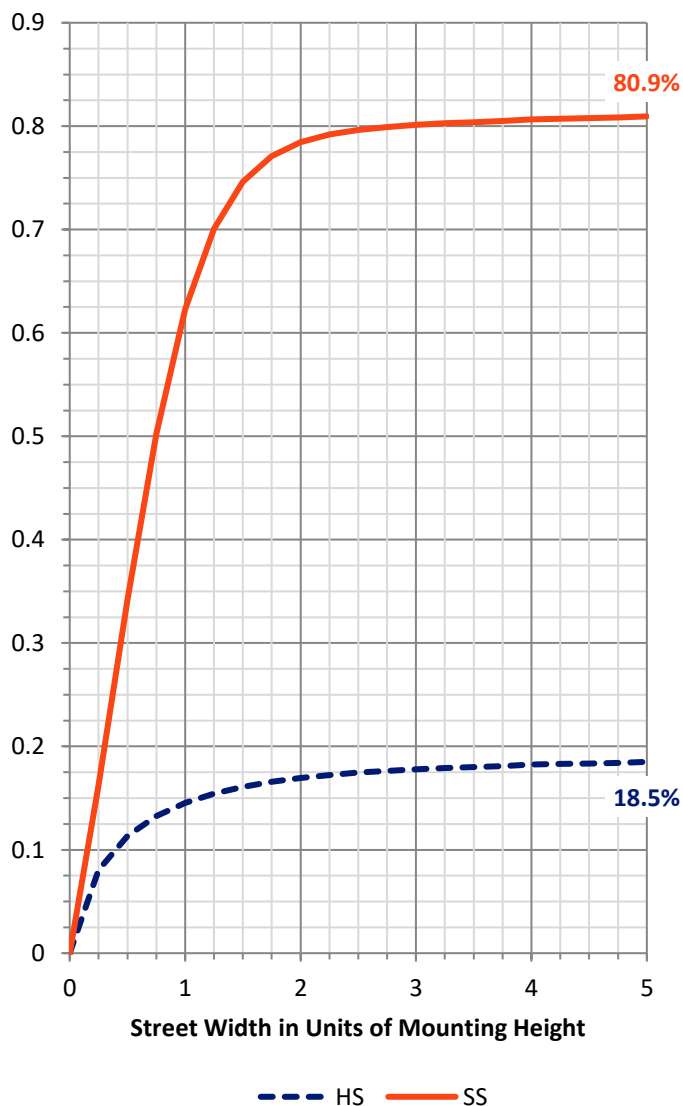
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1182.3	0.0	1182.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	5093.2	0.0	5093.2
	% Fixture	81.2	0.0	81.2
Total	Lumens	6275.5	0.0	6275.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	1.2
10°-20°	278.5	4.4
20°-30°	576.8	9.2
30°-40°	979.0	15.6
40°-50°	1333.2	21.2
50°-60°	1349.5	21.5
60°-70°	1063.6	16.9
70°-80°	523.9	8.3
80°-90°	96.9	1.5
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°	6275.5	100.0
0°-180°	6275.5	100.0



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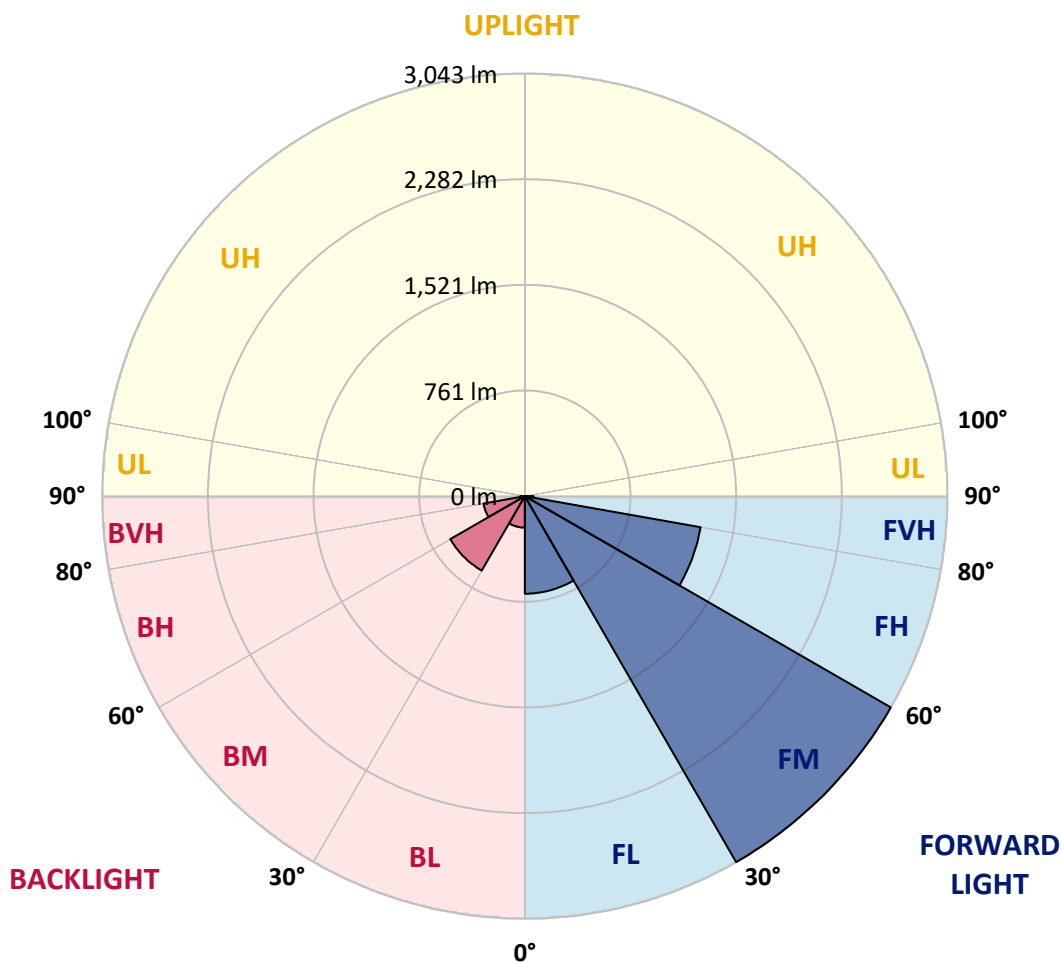
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	702.4	11.2			
FM (30°-60°)	3042.6	48.5			
FH (60°-80°)	1285.3	20.5			G1/1800
FVH (80°-90°)	63.0	1.0			G1/100
BL (0°-30°)	226.8	3.6	B1/500		
BM (30°-60°)	619.3	9.9	B1/1000		
BH (60°-80°)	302.2	4.8	B1/500		G1/500
BVH (80°-90°)	34.0	0.5			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4
2.5°	888.8	875.2	868.0	859.8	837.2	822.8	795.7	764.0	727.4	696.3	690.4
5°	1076.3	1062.7	1064.5	1044.6	1011.6	980.9	930.3	870.7	801.1	747.8	729.3
7.5°	1208.6	1193.7	1197.4	1189.2	1162.6	1128.7	1064.5	987.7	886.0	807.0	777.1
10°	1297.2	1299.0	1301.7	1298.6	1281.4	1257.4	1193.7	1108.8	982.3	877.0	836.3
12.5°	1397.5	1402.5	1401.6	1402.9	1393.9	1374.9	1312.6	1232.6	1084.8	952.5	899.6
15°	1525.4	1520.4	1524.5	1530.3	1520.4	1499.6	1444.5	1349.6	1192.4	1036.5	971.0
17.5°	1665.4	1655.1	1665.9	1660.0	1652.8	1639.2	1578.7	1477.5	1303.5	1127.3	1050.5
20°	1786.5	1779.8	1785.6	1786.5	1787.9	1785.2	1722.8	1615.3	1420.1	1226.3	1136.4
22.5°	1922.5	1919.4	1918.5	1918.9	1920.3	1923.4	1881.0	1766.2	1549.3	1330.2	1229.0
25°	2112.8	2109.6	2088.8	2065.8	2052.2	2062.2	2040.0	1937.4	1692.1	1446.8	1330.6
27.5°	2326.0	2321.1	2293.5	2235.2	2191.8	2199.1	2196.8	2126.3	1856.6	1580.5	1452.6
30°	2547.4	2535.2	2497.3	2415.5	2347.3	2334.6	2340.9	2317.4	2063.5	1758.1	1622.5
32.5°	2744.9	2722.3	2672.1	2589.4	2508.1	2471.5	2472.4	2482.8	2288.5	1965.0	1800.5
35°	2865.5	2850.6	2813.1	2729.5	2638.7	2614.3	2607.5	2659.5	2495.0	2156.6	1960.0
37.5°	2930.6	2916.1	2875.9	2808.6	2739.9	2730.0	2742.6	2823.0	2729.5	2395.6	2176.9
40°	2918.8	2903.5	2877.3	2830.3	2785.1	2792.8	2848.8	2973.0	2985.7	2681.6	2486.0
42.5°	2822.1	2805.9	2803.6	2800.4	2779.2	2813.1	2914.3	3082.8	3221.1	3011.9	2860.1
45°	2651.3	2641.4	2653.1	2707.4	2734.0	2799.5	2945.0	3136.2	3428.0	3347.6	3213.9
47.5°	2434.9	2429.0	2455.7	2541.5	2627.8	2758.0	2965.4	3150.6	3570.4	3570.4	3445.7
50°	2192.7	2190.5	2225.7	2350.4	2485.5	2681.6	2963.1	3164.2	3632.7	3635.9	3527.4
52.5°	1854.8	1866.5	1960.5	2125.0	2308.4	2561.9	2931.5	3202.1	3668.0	3675.2	3582.1
55°	1465.3	1476.6	1618.5	1839.9	2074.8	2416.4	2837.0	3190.8	3674.7	3691.0	3613.3
57.5°	1169.8	1172.0	1260.6	1523.6	1814.6	2230.2	2728.2	3115.8	3654.9	3725.8	3661.2
60°	915.4	922.6	981.8	1190.1	1512.7	1990.3	2606.6	3041.7	3666.2	3758.8	3704.6
62.5°	681.8	683.6	738.7	900.0	1201.9	1684.4	2441.7	2962.7	3682.0	3795.8	3722.2
65°	444.1	443.7	497.0	642.5	897.8	1354.1	2182.8	2838.9	3683.3	3787.7	3641.3
67.5°	282.4	284.2	307.2	399.0	600.9	1022.0	1830.4	2608.9	3619.2	3590.7	3346.7
70°	229.1	229.5	236.8	260.7	366.0	698.5	1375.8	2249.2	3416.3	3198.1	2908.9
72.5°	204.2	204.7	208.3	211.0	244.0	419.8	902.8	1826.3	3055.7	2725.9	2413.2
75°	183.4	183.4	185.7	183.0	200.2	263.4	512.4	1373.1	2516.7	2122.7	1823.1
77.5°	160.9	160.4	160.4	159.0	173.1	192.5	256.6	958.3	1812.7	1447.7	1182.4
80°	136.5	135.5	136.9	136.0	149.6	145.9	149.6	591.4	982.7	663.7	503.3
82.5°	106.2	106.2	110.2	111.2	123.3	105.7	105.3	280.6	373.2	248.1	185.7
85°	55.6	62.4	84.0	87.7	93.1	66.4	77.3	131.0	149.6	94.9	67.8
87.5°	16.7	17.6	51.5	57.8	57.4	33.4	47.4	63.3	70.0	42.0	27.6
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°	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4
2.5°	675.5	659.7	626.2	596.4	573.8	552.1	537.2	529.5	519.6	521.0	517.8
5°	696.3	663.7	604.5	556.7	524.6	500.2	485.3	477.6	470.4	466.7	469.5
7.5°	727.4	676.8	594.2	536.3	502.9	482.1	474.0	471.7	469.9	468.5	470.8
10°	767.7	699.9	592.3	529.1	498.4	485.7	482.6	481.2	479.4	477.6	478.9
12.5°	808.8	725.2	598.7	530.9	505.6	496.1	492.0	490.2	485.7	483.5	483.9
15°	860.3	755.9	607.3	538.1	515.1	502.9	497.5	492.5	485.3	482.1	483.5
17.5°	915.4	792.5	619.0	544.9	518.7	503.8	492.9	485.7	478.5	474.0	474.4
20°	977.8	828.7	629.4	547.2	516.9	496.1	483.0	474.4	464.9	460.0	458.6
22.5°	1042.4	866.6	637.5	545.4	507.0	483.0	468.1	457.7	446.4	438.7	439.2
25°	1121.0	918.1	644.3	539.0	493.9	465.8	449.1	436.0	424.3	417.0	417.5
27.5°	1215.4	976.4	652.4	529.1	478.0	447.3	427.9	414.8	403.5	396.7	395.8
30°	1341.5	1052.3	661.5	516.9	458.2	427.0	408.0	394.4	383.6	377.3	377.3
32.5°	1483.4	1144.9	667.8	502.4	436.0	405.3	388.1	377.3	369.1	360.6	359.7
35°	1606.7	1216.8	687.2	491.1	416.6	385.0	373.2	365.5	353.3	345.2	343.8
37.5°	1787.9	1343.3	744.6	488.0	393.1	369.1	366.9	352.4	338.4	323.1	321.7
40°	2079.8	1562.4	811.5	472.6	368.7	360.6	358.3	338.9	305.9	296.4	294.6
42.5°	2451.2	1826.3	818.7	427.9	351.5	353.3	346.6	308.6	294.1	286.9	285.1
45°	2786.4	2040.5	777.6	382.2	338.9	342.5	328.5	297.3	289.2	282.4	280.6
47.5°	2974.9	2106.4	699.9	347.9	329.4	333.0	299.6	291.9	283.7	277.0	275.2
50°	3027.7	2049.1	609.5	328.0	322.2	323.5	291.9	287.4	280.1	274.7	272.0
52.5°	3038.1	1963.2	525.9	316.3	316.7	304.5	285.1	281.5	277.0	268.4	265.2
55°	3042.6	1885.9	450.9	309.1	313.1	280.1	277.9	275.2	271.6	262.5	260.7
57.5°	3054.4	1787.0	392.2	303.6	308.6	268.8	269.7	267.9	263.4	259.4	258.4
60°	3020.9	1650.1	347.0	298.2	302.3	259.4	260.3	261.2	257.1	256.2	255.7
62.5°	2908.9	1455.8	308.6	291.0	289.2	249.9	249.9	253.5	249.9	251.2	251.2
65°	2678.0	1208.2	274.3	277.4	268.8	239.5	239.0	245.3	239.9	245.8	246.2
67.5°	2284.5	914.5	239.0	256.2	247.6	228.6	230.4	235.4	228.2	240.4	240.4
70°	1808.2	622.2	202.4	226.4	225.9	216.4	222.3	221.8	213.7	231.8	228.6
72.5°	1346.9	399.4	164.9	189.8	197.4	203.3	214.2	204.7	197.0	207.4	197.9
75°	941.2	250.3	130.1	150.0	164.5	188.9	204.2	185.3	174.0	170.8	168.1
77.5°	563.4	159.9	102.6	114.3	128.3	171.7	191.6	164.9	147.7	145.9	140.5
80°	259.8	104.4	78.2	85.4	91.3	147.3	174.4	141.0	120.2	118.4	112.1
82.5°	117.5	68.7	58.3	61.0	61.4	117.0	147.3	111.6	91.7	148.7	128.8
85°	54.7	44.3	38.0	36.1	36.6	78.2	107.1	76.8	104.4	81.3	61.9
87.5°	23.5	22.6	19.4	15.4	14.0	16.7	41.1	32.1	45.6	18.1	12.2
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)