

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: P672191

Luminaire Tested: **CCP-SA-1E-850-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672191
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-850-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2R distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

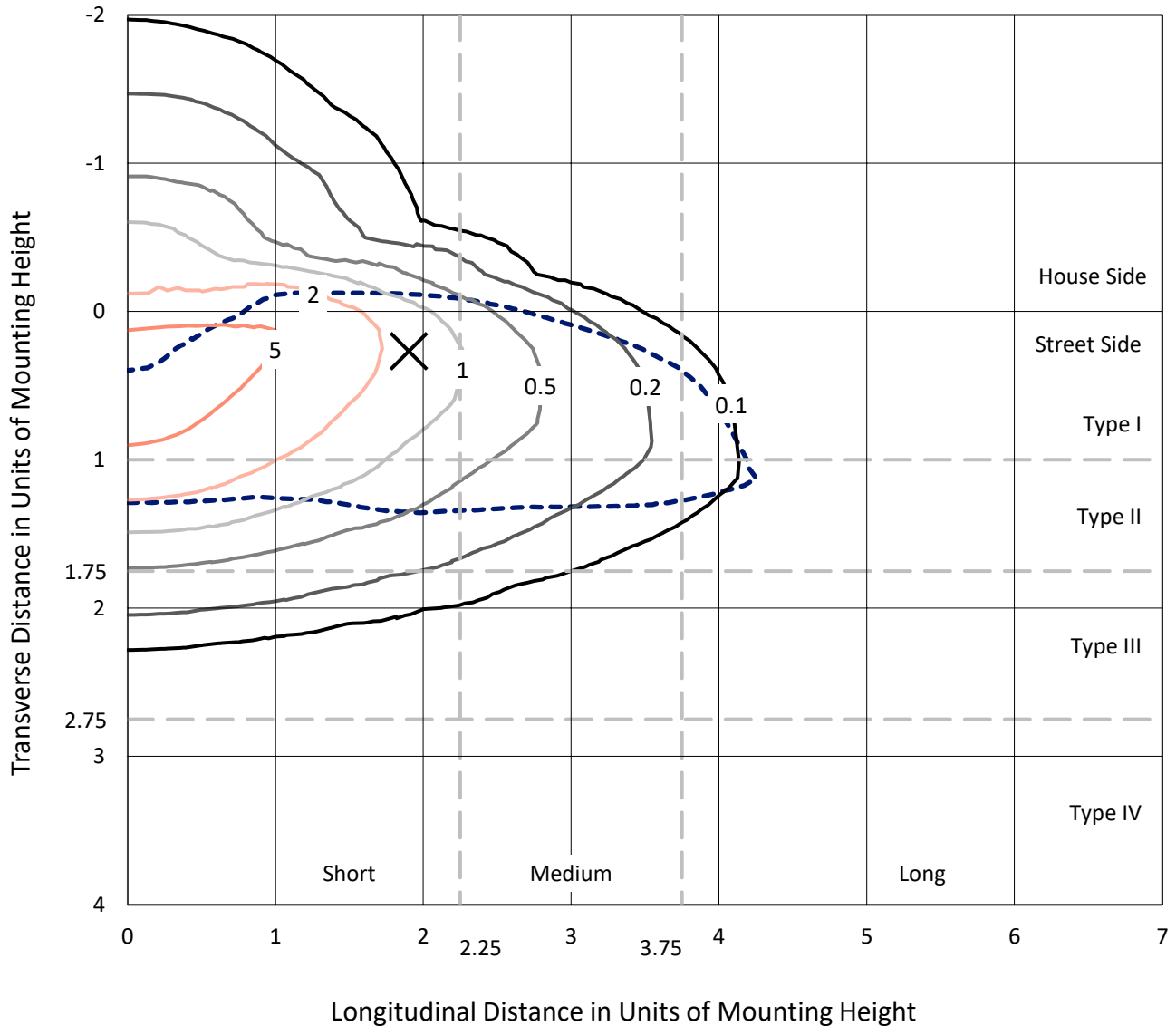
Lumens per Lamp: N/A
Luminaire Lumens: 6060 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1
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

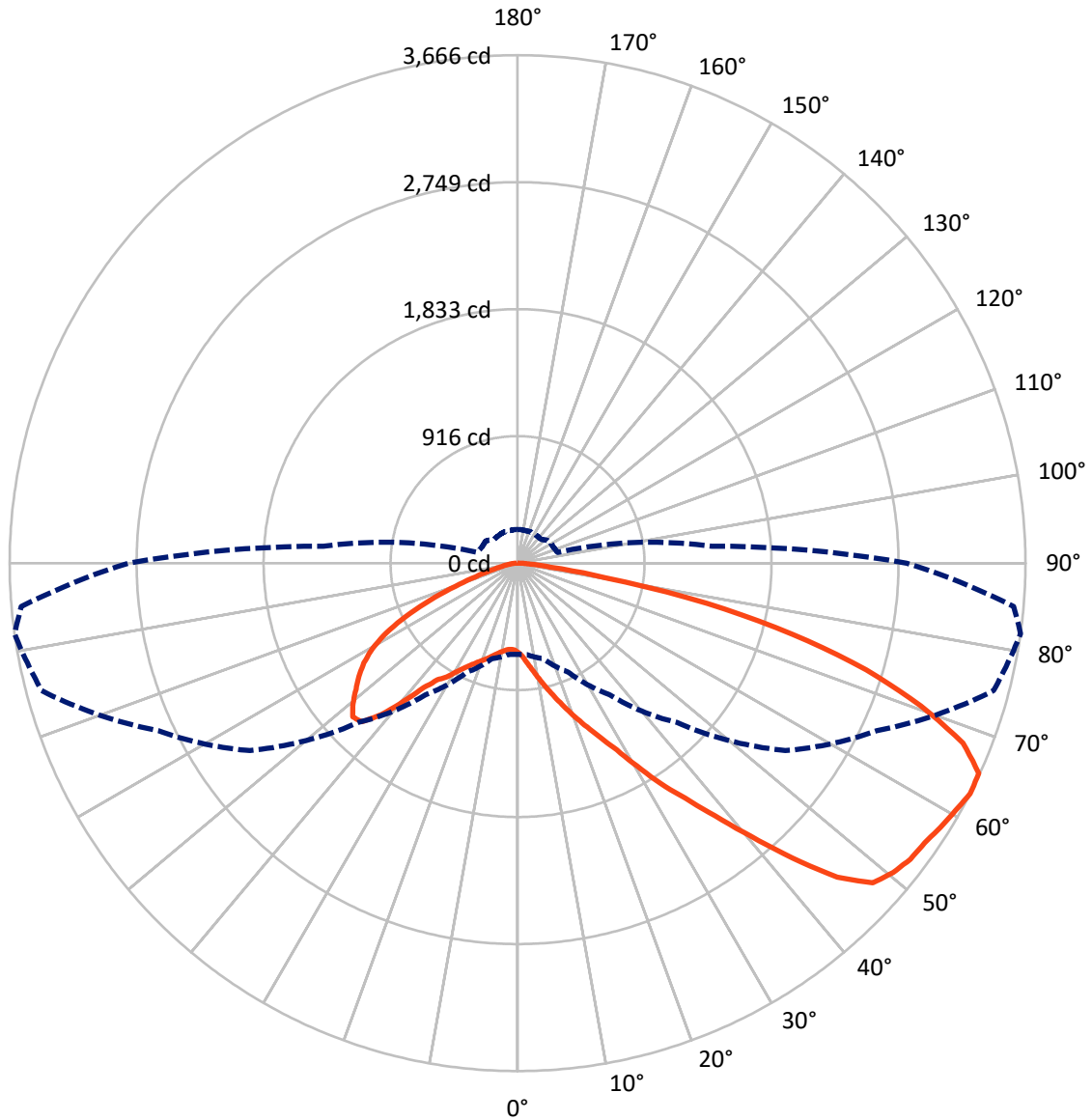
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.1 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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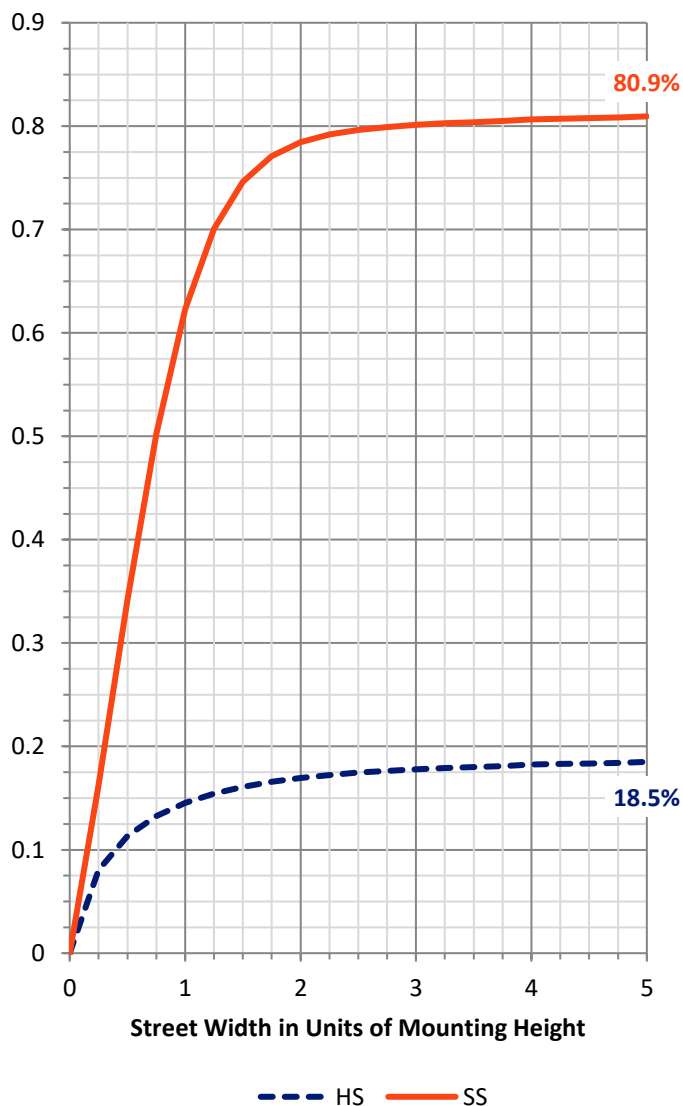
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1141.7	0.0	1141.7
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	4918.3	0.0	4918.3
	% Fixture	81.2	0.0	81.2
Total	Lumens	6060.0	0.0	6060.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	1.2
10°-20°	269.0	4.4
20°-30°	557.0	9.2
30°-40°	945.4	15.6
40°-50°	1287.5	21.2
50°-60°	1303.2	21.5
60°-70°	1027.1	16.9
70°-80°	506.0	8.3
80°-90°	93.6	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°	6060.0	100.0
0°-180°	6060.0	100.0



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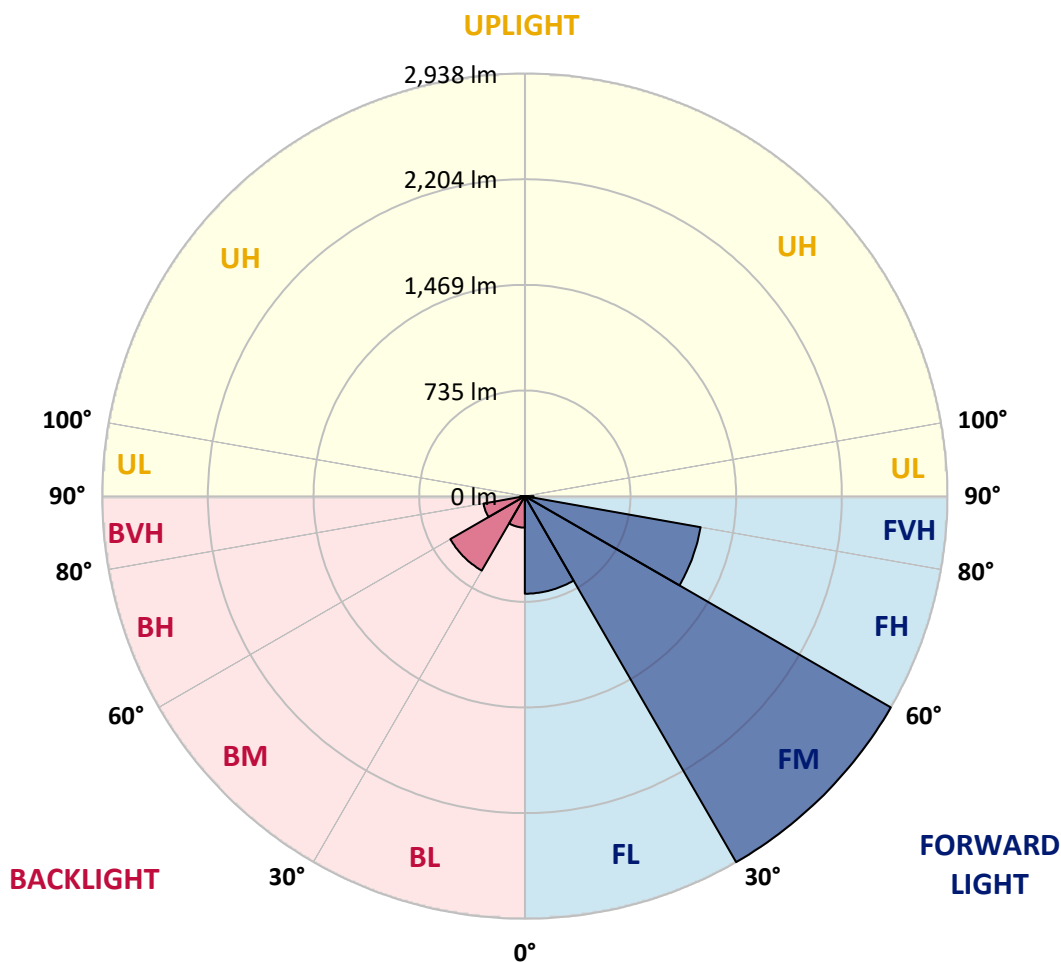
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	678.3	11.2			
FM (30°-60°)	2938.1	48.5			
FH (60°-80°)	1241.2	20.5			G1/1800
FVH (80°-90°)	60.8	1.0			G1/100
BL (0°-30°)	219.1	3.6	B1/500		
BM (30°-60°)	598.0	9.9	B1/1000		
BH (60°-80°)	291.8	4.8	B1/500		G1/500
BVH (80°-90°)	32.8	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°	644.4	644.4	644.4	644.4	644.4	644.4	644.4	644.4	644.4	644.4	644.4
2.5°	858.2	845.2	838.2	830.3	808.5	794.5	768.4	737.8	702.5	672.4	666.7
5°	1039.3	1026.2	1028.0	1008.8	976.9	947.2	898.4	840.8	773.6	722.1	704.2
7.5°	1167.2	1152.8	1156.2	1148.4	1122.6	1089.9	1028.0	953.8	855.6	779.3	750.5
10°	1252.7	1254.4	1257.0	1254.0	1237.4	1214.3	1152.8	1070.7	948.6	846.9	807.6
12.5°	1349.5	1354.3	1353.5	1354.8	1346.0	1327.7	1267.5	1190.3	1047.6	919.8	868.7
15°	1473.0	1468.2	1472.1	1477.8	1468.2	1448.1	1394.9	1303.3	1151.4	1000.9	937.7
17.5°	1608.3	1598.2	1608.7	1603.0	1596.1	1583.0	1524.5	1426.8	1258.8	1088.6	1014.4
20°	1725.2	1718.7	1724.3	1725.2	1726.5	1723.9	1663.7	1559.8	1371.4	1184.2	1097.3
22.5°	1856.5	1853.5	1852.6	1853.0	1854.4	1857.4	1816.4	1705.6	1496.1	1284.5	1186.8
25°	2040.2	2037.2	2017.1	1994.9	1981.8	1991.4	1970.0	1870.9	1634.0	1397.1	1285.0
27.5°	2246.2	2241.4	2214.8	2158.5	2116.6	2123.6	2121.4	2053.3	1792.8	1526.2	1402.8
30°	2460.0	2448.2	2411.5	2332.6	2266.7	2254.5	2260.6	2237.9	1992.7	1697.7	1566.8
32.5°	2650.6	2628.8	2580.4	2500.5	2422.0	2386.7	2387.5	2397.6	2210.0	1897.6	1738.7
35°	2767.1	2752.7	2716.5	2635.8	2548.1	2524.5	2518.0	2568.2	2409.4	2082.6	1892.8
37.5°	2830.0	2816.0	2777.2	2712.2	2645.8	2636.2	2648.5	2726.1	2635.8	2313.4	2102.2
40°	2818.6	2803.8	2778.5	2733.1	2689.5	2696.9	2751.0	2871.0	2883.2	2589.6	2400.6
42.5°	2725.2	2709.5	2707.4	2704.3	2683.8	2716.5	2814.3	2977.0	3110.5	2908.5	2761.9
45°	2560.3	2550.7	2562.1	2614.4	2640.2	2703.4	2843.9	3028.5	3310.4	3232.7	3103.5
47.5°	2351.3	2345.7	2371.4	2454.3	2537.6	2663.3	2863.6	3042.5	3447.8	3447.8	3327.4
50°	2117.5	2115.3	2149.3	2269.7	2400.2	2589.6	2861.4	3055.5	3508.0	3511.1	3406.3
52.5°	1791.1	1802.4	1893.2	2052.0	2229.2	2473.9	2830.8	3092.2	3542.0	3549.0	3459.1
55°	1415.0	1425.9	1562.9	1776.7	2003.6	2333.4	2739.6	3081.3	3548.6	3564.3	3489.2
57.5°	1129.6	1131.8	1217.3	1471.3	1752.3	2153.7	2634.5	3008.9	3529.4	3597.9	3535.5
60°	884.0	891.0	948.1	1149.3	1460.8	1922.0	2517.1	2937.3	3540.3	3629.7	3577.4
62.5°	658.4	660.2	713.4	869.1	1160.6	1626.6	2357.9	2860.9	3555.6	3665.5	3594.4
65°	428.9	428.5	480.0	620.4	867.0	1307.6	2107.9	2741.4	3556.9	3657.7	3516.3
67.5°	272.7	274.4	296.7	385.3	580.3	987.0	1767.5	2519.3	3494.9	3467.4	3231.8
70°	221.2	221.7	228.6	251.8	353.4	674.5	1328.6	2172.0	3299.0	3088.3	2809.0
72.5°	197.2	197.7	201.1	203.8	235.6	405.3	871.8	1763.6	2950.8	2632.3	2330.4
75°	177.1	177.1	179.3	176.7	193.3	254.4	494.8	1326.0	2430.3	2049.8	1760.5
77.5°	155.3	154.9	154.9	153.6	167.1	185.9	247.8	925.4	1750.5	1398.0	1141.8
80°	131.8	130.9	132.2	131.3	144.4	140.9	144.4	571.1	949.0	641.0	486.1
82.5°	102.5	102.5	106.5	107.3	119.1	102.1	101.7	271.0	360.4	239.5	179.3
85°	53.7	60.2	81.2	84.6	89.9	64.1	74.6	126.5	144.4	91.6	65.4
87.5°	16.1	17.0	49.7	55.8	55.4	32.3	45.8	61.1	67.6	40.6	26.6
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°	644.4	644.4	644.4	644.4	644.4	644.4	644.4	644.4	644.4	644.4	644.4
2.5°	652.3	637.0	604.7	575.9	554.1	533.2	518.8	511.4	501.8	503.1	500.0
5°	672.4	641.0	583.8	537.5	506.6	483.0	468.6	461.2	454.2	450.7	453.3
7.5°	702.5	653.6	573.8	517.9	485.6	465.6	457.7	455.5	453.8	452.5	454.6
10°	741.3	675.9	572.0	510.9	481.3	469.0	466.0	464.7	462.9	461.2	462.5
12.5°	781.0	700.3	578.1	512.7	488.2	479.1	475.2	473.4	469.0	466.9	467.3
15°	830.8	730.0	586.4	519.7	497.4	485.6	480.4	475.6	468.6	465.6	466.9
17.5°	884.0	765.3	597.8	526.2	500.9	486.5	476.0	469.0	462.1	457.7	458.1
20°	944.2	800.2	607.8	528.4	499.1	479.1	466.4	458.1	449.0	444.2	442.9
22.5°	1006.6	836.9	615.6	526.6	489.6	466.4	452.0	442.0	431.1	423.7	424.1
25°	1082.5	886.6	622.2	520.5	476.9	449.8	433.7	421.0	409.7	402.7	403.2
27.5°	1173.7	942.9	630.0	510.9	461.6	432.0	413.2	400.5	389.6	383.1	382.2
30°	1295.4	1016.2	638.8	499.1	442.4	412.3	394.0	380.9	370.4	364.3	364.3
32.5°	1432.4	1105.6	644.9	485.2	421.0	391.4	374.8	364.3	356.5	348.2	347.3
35°	1551.6	1175.0	663.6	474.3	402.3	371.7	360.4	353.0	341.2	333.3	332.0
37.5°	1726.5	1297.2	719.1	471.2	379.6	356.5	354.3	340.3	326.8	312.0	310.7
40°	2008.4	1508.8	783.6	456.4	356.0	348.2	346.0	327.2	295.4	286.2	284.5
42.5°	2367.0	1763.6	790.6	413.2	339.5	341.2	334.7	298.0	284.0	277.1	275.3
45°	2690.8	1970.4	750.9	369.1	327.2	330.7	317.2	287.1	279.2	272.7	271.0
47.5°	2872.7	2034.1	675.9	336.0	318.1	321.6	289.3	281.9	274.0	267.5	265.7
50°	2923.8	1978.7	588.6	316.8	311.1	312.4	281.9	277.5	270.5	265.3	262.7
52.5°	2933.8	1895.8	507.9	305.4	305.9	294.1	275.3	271.8	267.5	259.2	256.1
55°	2938.2	1821.2	435.4	298.4	302.4	270.5	268.3	265.7	262.2	253.5	251.8
57.5°	2949.5	1725.6	378.7	293.2	298.0	259.6	260.5	258.7	254.4	250.4	249.6
60°	2917.2	1593.4	335.1	288.0	291.9	250.4	251.3	252.2	248.3	247.4	247.0
62.5°	2809.0	1405.8	298.0	281.0	279.2	241.3	241.3	244.8	241.3	242.6	242.6
65°	2586.1	1166.7	264.8	267.9	259.6	231.2	230.8	236.9	231.7	237.4	237.8
67.5°	2206.0	883.1	230.8	247.4	239.1	220.8	222.5	227.3	220.3	232.1	232.1
70°	1746.1	600.8	195.5	218.6	218.2	209.0	214.7	214.2	206.4	223.8	220.8
72.5°	1300.7	385.7	159.3	183.3	190.7	196.3	206.8	197.7	190.2	200.3	191.1
75°	908.9	241.7	125.7	144.9	158.8	182.4	197.2	178.9	168.0	164.9	162.3
77.5°	544.1	154.5	99.0	110.4	123.9	165.8	185.0	159.3	142.7	140.9	135.7
80°	250.9	100.8	75.5	82.5	88.1	142.2	168.4	136.1	116.1	114.3	108.2
82.5°	113.4	66.3	56.3	58.9	59.3	113.0	142.2	107.8	88.6	143.5	124.4
85°	52.8	42.8	36.7	34.9	35.3	75.5	103.4	74.2	100.8	78.5	59.8
87.5°	22.7	21.8	18.8	14.8	13.5	16.1	39.7	31.0	44.1	17.5	11.8
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)