

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: P674621

Luminaire Tested: **CCP-SA-2C-835-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674621
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-835-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6032.5 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

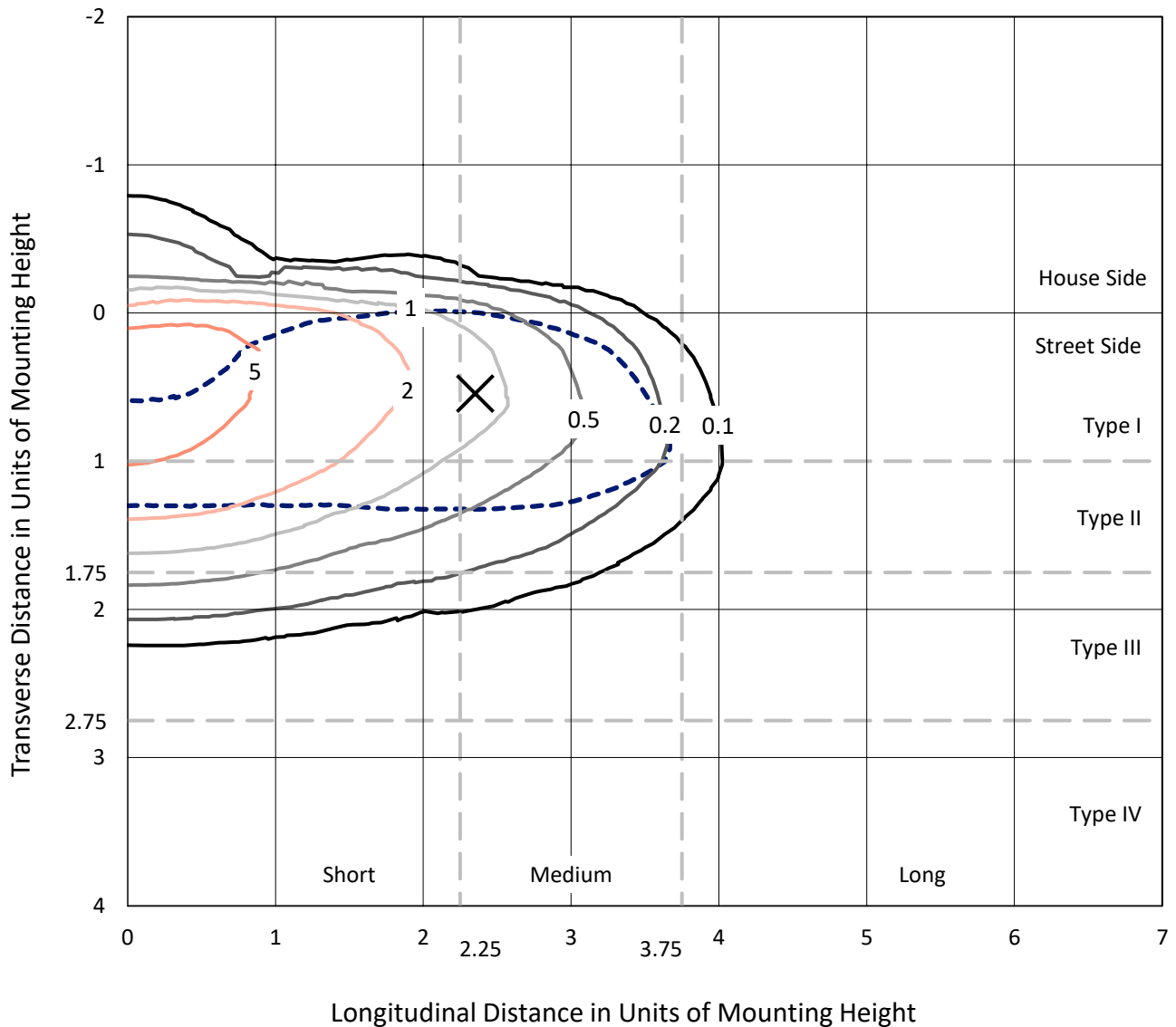
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

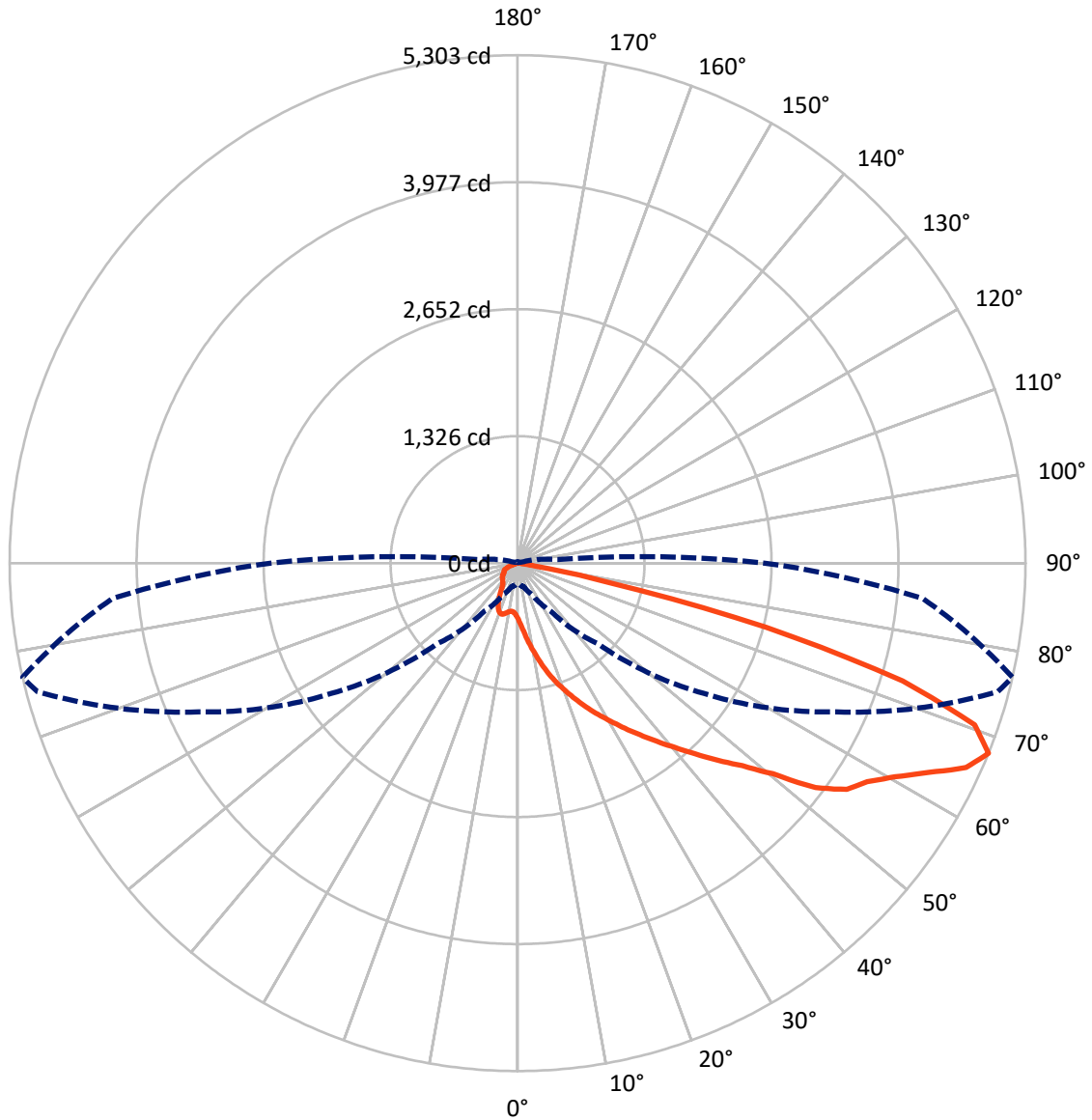
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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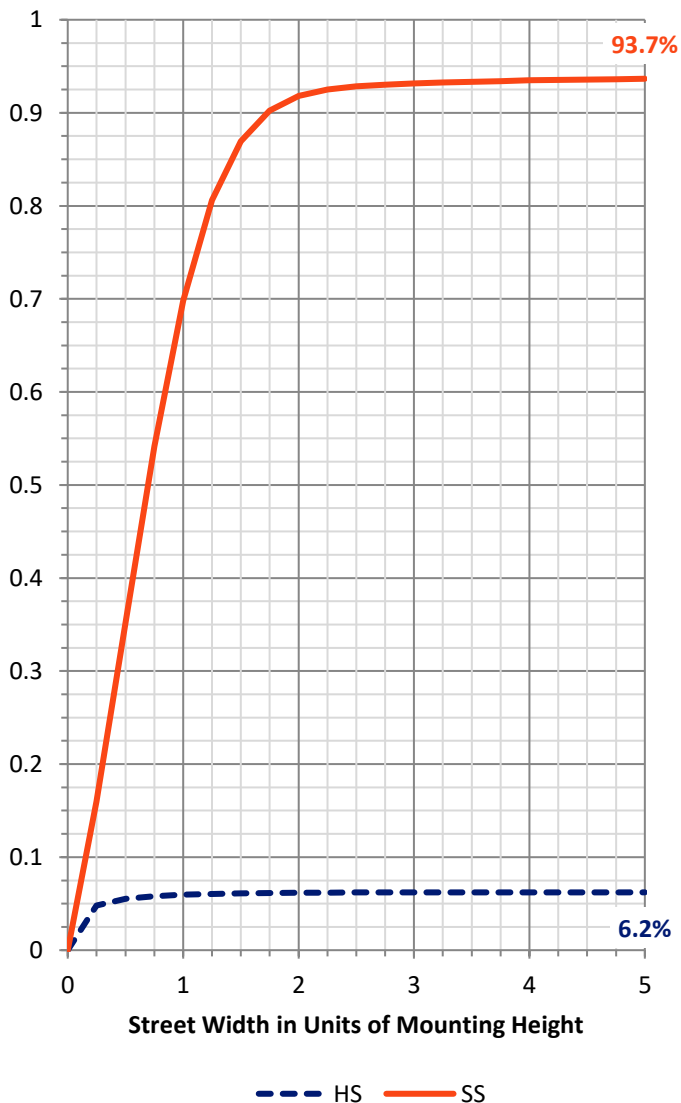
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	377.0	0.0	377.0
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	5655.5	0.0	5655.5
	% Fixture	93.8	0.0	93.8
Total	Lumens	6032.5	0.0	6032.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.9	1.1
10°-20°	251.1	4.2
20°-30°	490.6	8.1
30°-40°	857.7	14.2
40°-50°	1250.9	20.7
50°-60°	1462.7	24.2
60°-70°	1185.7	19.7
70°-80°	445.5	7.4
80°-90°	20.3	0.3
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°	6032.5	100.0
0°-180°	6032.5	100.0

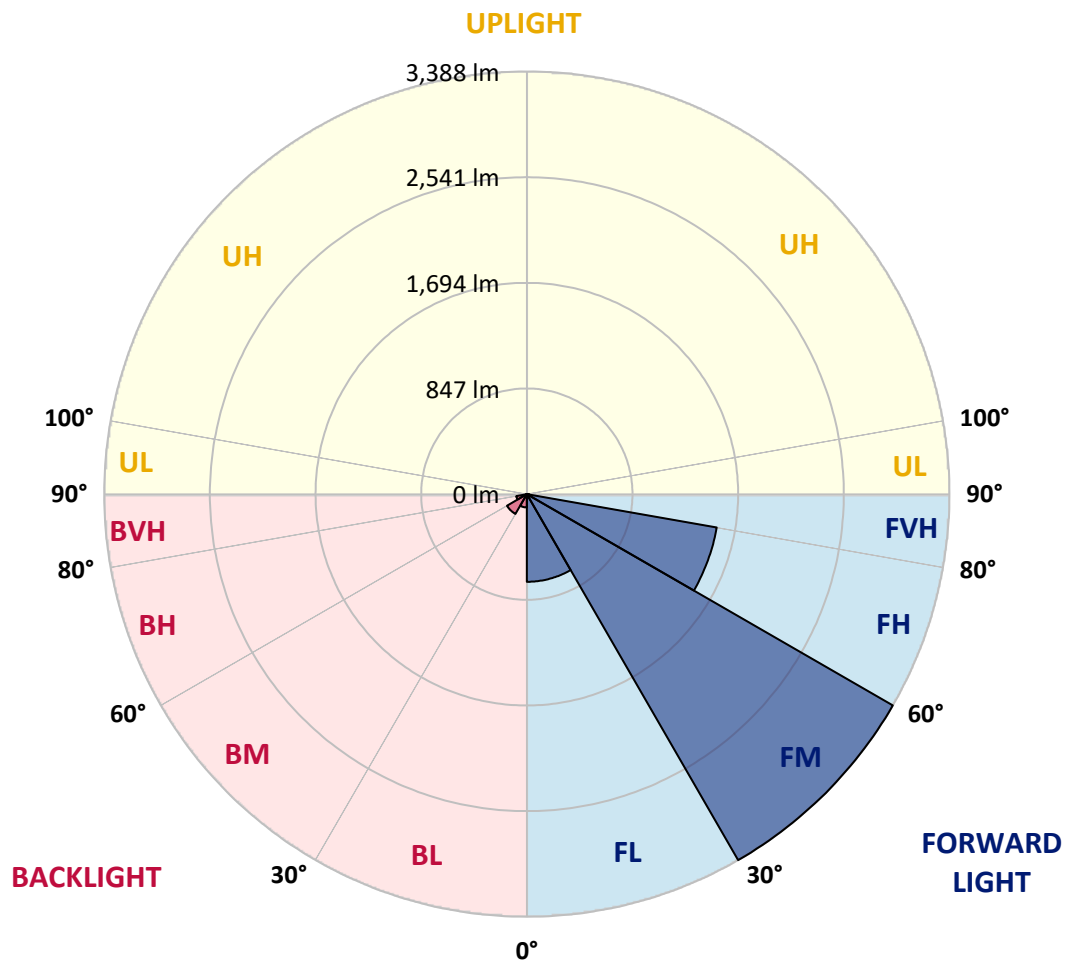


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	702.7	11.6			
FM (30°-60°)	3388.0	56.2			
FH (60°-80°)	1545.7	25.6			G1/1800
FVH (80°-90°)	19.1	0.3			G1/100
BL (0°-30°)	106.9	1.8	B0/110		
BM (30°-60°)	183.4	3.0	B0/220		
BH (60°-80°)	85.5	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: B0-U0-G1
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8
2.5°	867.5	835.9	841.9	828.8	812.0	772.8	731.4	690.0	652.9	644.8	607.7
5°	1110.9	1101.1	1090.8	1082.1	1046.7	997.7	923.1	828.3	742.8	728.1	651.3
7.5°	1299.9	1285.2	1294.5	1267.8	1230.7	1183.4	1088.6	987.3	855.5	833.7	714.5
10°	1439.3	1431.1	1435.5	1423.0	1405.0	1357.6	1264.0	1137.1	984.6	943.2	785.3
12.5°	1543.9	1545.5	1564.6	1565.7	1551.0	1512.3	1413.2	1280.8	1101.7	1064.6	863.7
15°	1620.1	1621.7	1645.2	1670.2	1687.1	1666.9	1577.1	1429.0	1239.5	1188.8	945.9
17.5°	1632.6	1633.7	1675.1	1725.8	1778.0	1795.5	1726.3	1576.0	1365.3	1307.5	1040.1
20°	1640.8	1650.1	1687.1	1745.4	1828.1	1882.1	1844.5	1717.1	1487.2	1420.3	1132.7
22.5°	1739.9	1739.9	1761.7	1803.1	1869.0	1953.4	1945.8	1846.7	1606.0	1539.5	1224.8
25°	1950.1	1950.1	1928.9	1918.0	1953.4	2019.8	2038.9	1985.0	1741.6	1663.1	1321.7
27.5°	2228.4	2228.4	2195.2	2115.1	2084.6	2112.4	2132.6	2105.3	1866.8	1789.5	1424.1
30°	2517.0	2526.8	2469.1	2367.3	2260.5	2239.3	2219.7	2213.7	2000.2	1913.1	1528.1
32.5°	2806.7	2805.7	2733.8	2606.9	2467.5	2392.3	2328.6	2321.5	2141.8	2056.3	1626.7
35°	3038.2	3038.7	2963.0	2832.9	2671.7	2575.8	2473.5	2440.2	2297.0	2201.7	1744.3
37.5°	3238.6	3227.2	3145.5	3021.9	2871.6	2772.4	2645.0	2558.4	2457.7	2360.7	1861.9
40°	3353.5	3338.3	3258.7	3141.1	3027.3	2951.6	2839.4	2701.1	2634.1	2529.6	1995.9
42.5°	3370.4	3357.3	3304.5	3233.7	3140.6	3074.1	3044.2	2862.3	2819.3	2724.5	2156.0
45°	3323.0	3301.8	3284.3	3247.3	3221.2	3189.0	3229.9	3033.8	3031.7	2937.4	2314.5
47.5°	3205.4	3176.5	3180.9	3221.7	3251.1	3280.0	3407.4	3258.7	3245.7	3157.5	2522.5
50°	3004.4	2990.3	3038.2	3118.8	3235.3	3350.8	3584.4	3488.6	3540.3	3457.5	2809.5
52.5°	2596.0	2613.4	2756.6	2950.5	3152.0	3384.0	3750.5	3831.6	3964.0	3895.9	3098.1
55°	2105.9	2099.3	2290.5	2634.7	2956.5	3362.8	3822.9	4033.7	4241.7	4170.4	3258.7
57.5°	1696.4	1707.8	1836.9	2177.2	2624.9	3198.8	3839.8	4139.3	4353.3	4306.0	3407.4
60°	1273.2	1284.1	1401.7	1698.0	2183.8	2856.8	3700.4	4176.4	4563.0	4527.1	3644.9
62.5°	810.3	824.5	942.7	1230.7	1669.1	2325.3	3387.3	4137.7	4781.9	4811.9	3968.9
65°	398.6	411.2	498.3	718.8	1115.8	1738.8	2950.5	3990.1	5060.8	5146.2	4228.6
67.5°	220.6	226.5	256.5	366.0	622.5	1192.6	2371.1	3674.8	5188.7	5303.1	4246.1
70°	171.5	173.2	184.6	213.5	303.3	699.8	1686.6	3149.8	4923.5	5061.8	3892.6
72.5°	144.3	146.5	151.9	161.7	189.5	364.3	1059.7	2434.3	4142.6	4205.2	3011.5
75°	105.6	108.9	124.2	132.9	149.8	221.1	467.2	1462.7	2737.6	2676.0	1684.9
77.5°	88.8	91.5	95.3	107.8	123.6	150.8	163.9	613.2	1114.2	968.8	442.2
80°	60.4	63.7	74.1	80.6	104.6	99.7	68.1	164.5	223.8	182.4	85.0
82.5°	43.0	45.7	51.2	65.9	75.7	52.8	37.0	50.1	53.9	51.2	27.8
85°	13.6	17.4	37.0	54.5	40.8	18.0	23.4	19.1	16.9	16.3	10.9
87.5°	2.7	2.7	18.5	21.8	16.3	9.3	8.2	6.0	7.6	7.6	6.0
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°	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8
2.5°	590.3	565.8	530.4	497.2	463.4	439.5	422.6	405.7	399.2	396.5	389.4
5°	616.5	569.6	499.4	442.7	401.4	375.2	359.4	345.8	337.1	334.4	330.6
7.5°	654.0	586.5	485.8	420.4	379.0	350.7	325.1	295.7	272.3	263.0	259.2
10°	694.9	612.1	487.9	416.1	361.1	299.0	241.8	194.4	173.7	166.1	160.7
12.5°	754.8	640.4	497.2	411.2	307.1	213.5	154.7	135.1	130.2	129.1	128.0
15°	814.7	680.2	512.4	378.5	229.3	145.4	128.5	121.4	118.7	116.0	116.0
17.5°	875.1	718.3	518.4	314.8	158.5	125.8	117.1	111.1	106.7	104.6	102.9
20°	943.2	758.6	501.0	236.9	126.9	114.9	105.1	98.0	94.2	92.0	90.4
22.5°	1016.7	798.3	462.9	165.0	115.5	103.5	94.2	87.1	83.3	81.1	80.6
25°	1085.9	832.7	401.9	124.2	104.0	92.6	83.9	77.9	75.2	73.0	72.4
27.5°	1157.2	862.1	322.4	109.5	94.8	83.9	75.2	70.3	67.5	65.9	65.3
30°	1226.9	882.2	240.2	100.2	86.6	75.7	68.1	64.3	61.5	59.9	59.4
32.5°	1298.8	893.7	162.3	92.0	78.4	68.6	62.1	58.3	56.6	55.0	55.0
35°	1368.0	892.0	117.1	84.4	71.9	62.1	56.1	53.4	52.8	51.2	51.2
37.5°	1443.7	880.6	99.7	77.3	64.8	56.1	51.2	49.6	49.0	47.9	47.4
40°	1529.7	855.0	90.9	71.9	58.8	51.2	46.8	45.7	45.2	44.1	44.1
42.5°	1623.9	821.8	86.0	65.9	53.9	46.3	43.0	41.4	40.8	39.8	39.8
45°	1733.4	790.2	82.8	59.9	49.6	42.5	39.2	37.6	37.0	35.9	35.9
47.5°	1882.6	772.2	77.3	54.5	44.7	38.7	35.4	34.3	33.2	32.1	32.1
50°	2087.9	751.0	70.3	49.0	40.8	34.9	32.7	31.0	30.5	29.4	29.4
52.5°	2256.7	705.8	63.2	43.6	36.5	32.1	30.0	28.9	27.8	27.2	27.2
55°	2316.1	652.9	56.1	39.2	33.2	30.0	27.8	26.7	26.1	25.6	25.6
57.5°	2410.8	636.1	49.6	34.9	30.0	27.8	25.6	25.1	24.5	24.0	23.4
60°	2572.6	645.9	43.6	31.0	27.2	25.1	23.4	22.9	21.8	20.7	20.7
62.5°	2729.4	633.9	37.0	27.2	23.4	22.3	20.7	19.6	17.4	15.8	14.7
65°	2767.5	553.8	32.1	22.9	19.6	18.5	16.9	14.7	11.4	9.3	9.3
67.5°	2582.9	421.0	27.8	19.6	16.3	15.2	12.0	9.8	7.1	5.4	5.4
70°	2131.5	266.8	22.9	15.2	13.6	10.3	7.6	7.1	4.9	4.4	3.8
72.5°	1537.9	145.9	19.1	12.5	9.8	6.5	5.4	4.4	3.3	2.2	2.2
75°	778.7	68.6	14.2	9.8	6.5	4.4	3.3	2.2	2.2	1.6	1.6
77.5°	220.6	31.6	9.3	6.5	4.4	2.7	2.2	1.6	1.6	1.1	1.1
80°	43.6	15.8	6.0	4.4	3.3	2.2	1.6	1.1	1.1	0.5	0.5
82.5°	15.8	8.2	4.4	3.3	2.7	2.2	1.1	0.5	0.5	0.0	0.0
85°	8.2	4.4	3.3	2.7	2.2	1.6	1.1	0.5	0.0	0.0	0.0
87.5°	4.4	3.3	2.7	2.7	2.2	1.6	1.1	0.5	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)