

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: P674555

Luminaire Tested: **CCP-SA-2C-735-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674555
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-735-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, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

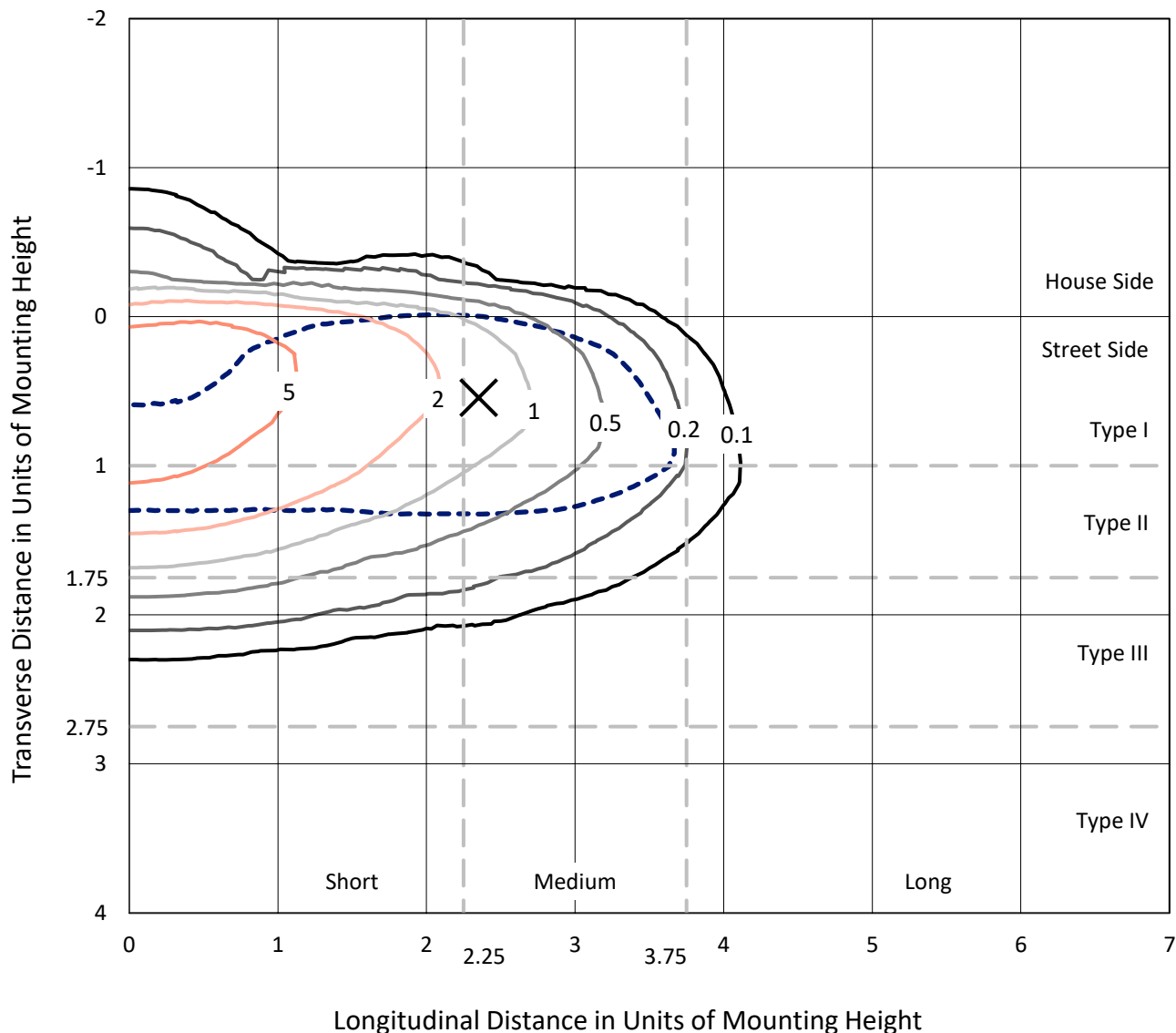
Lumens per Lamp: N/A
Luminaire Lumens: 7220.7 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

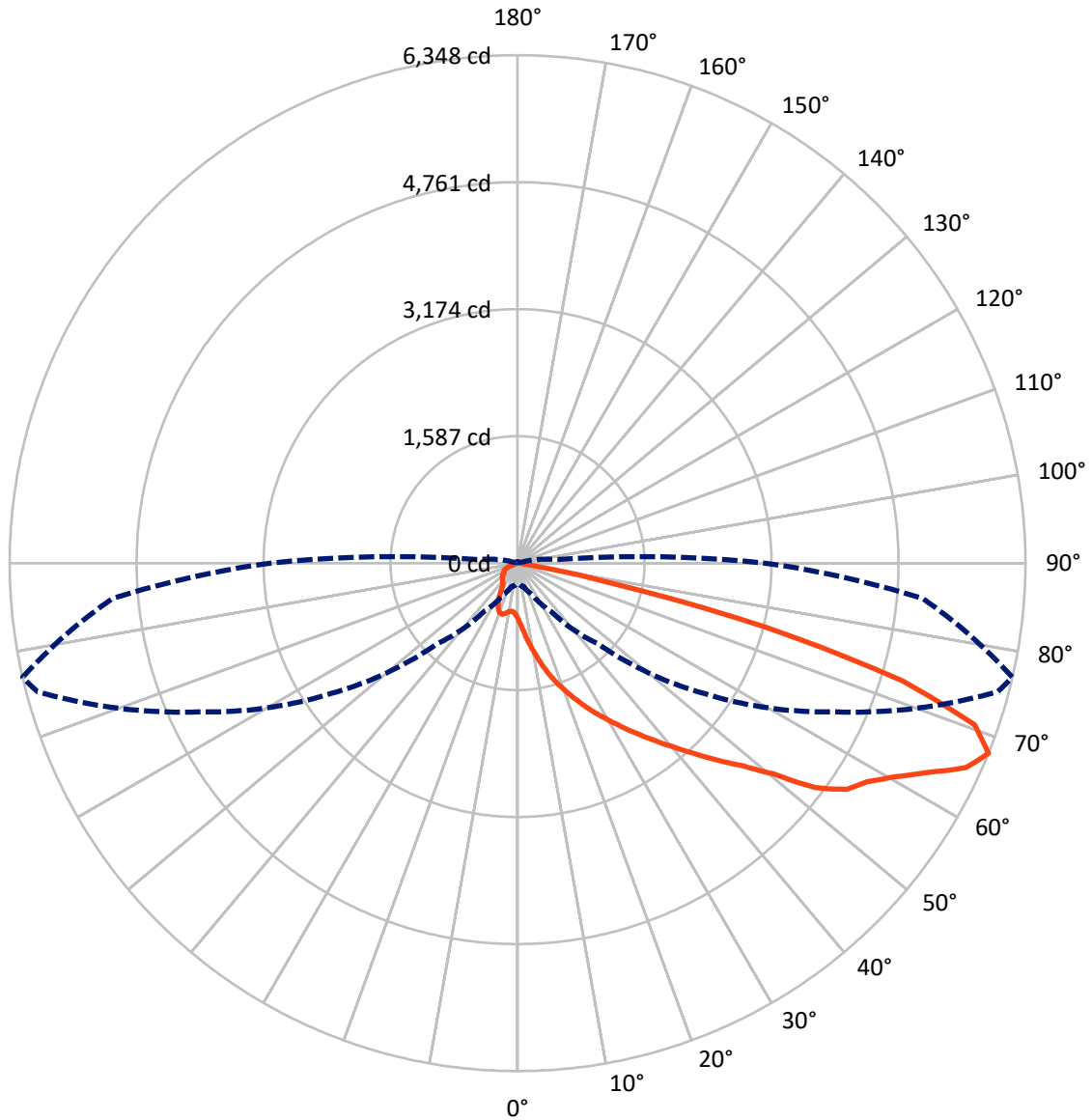
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.9 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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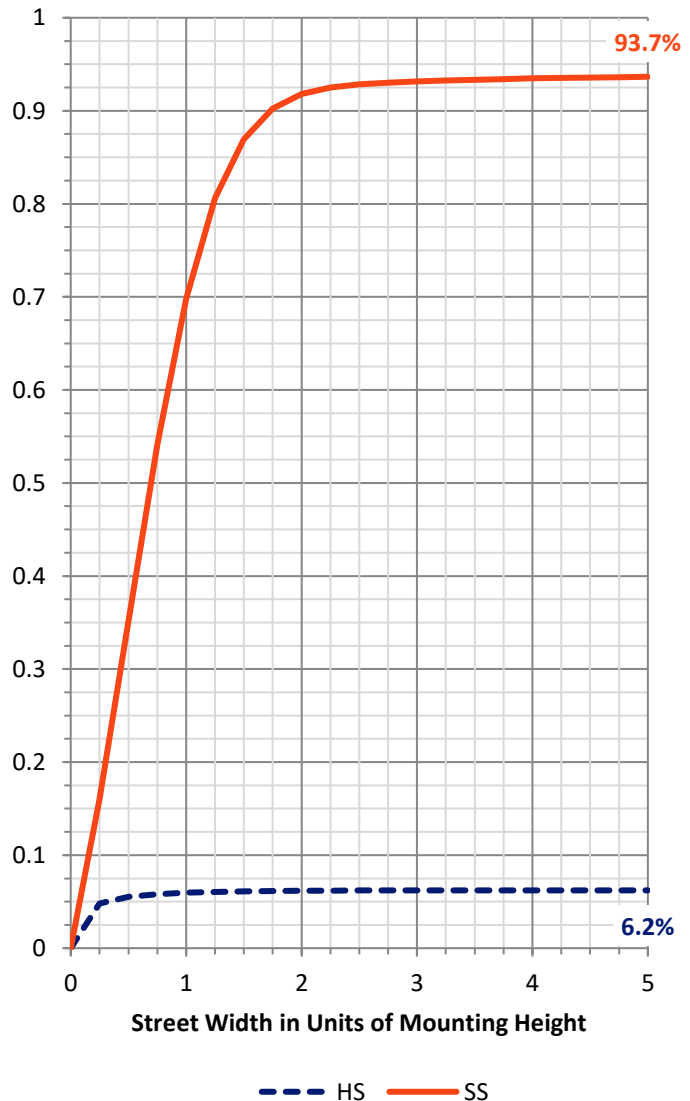
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	451.2	0.0	451.2
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	6769.4	0.0	6769.4
	% Fixture	93.8	0.0	93.8
Total	Lumens	7220.7	0.0	7220.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.3	1.1
10°-20°	300.6	4.2
20°-30°	587.2	8.1
30°-40°	1026.7	14.2
40°-50°	1497.3	20.7
50°-60°	1750.8	24.2
60°-70°	1419.3	19.7
70°-80°	533.2	7.4
80°-90°	24.3	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°	7220.7	100.0
0°-180°	7220.7	100.0

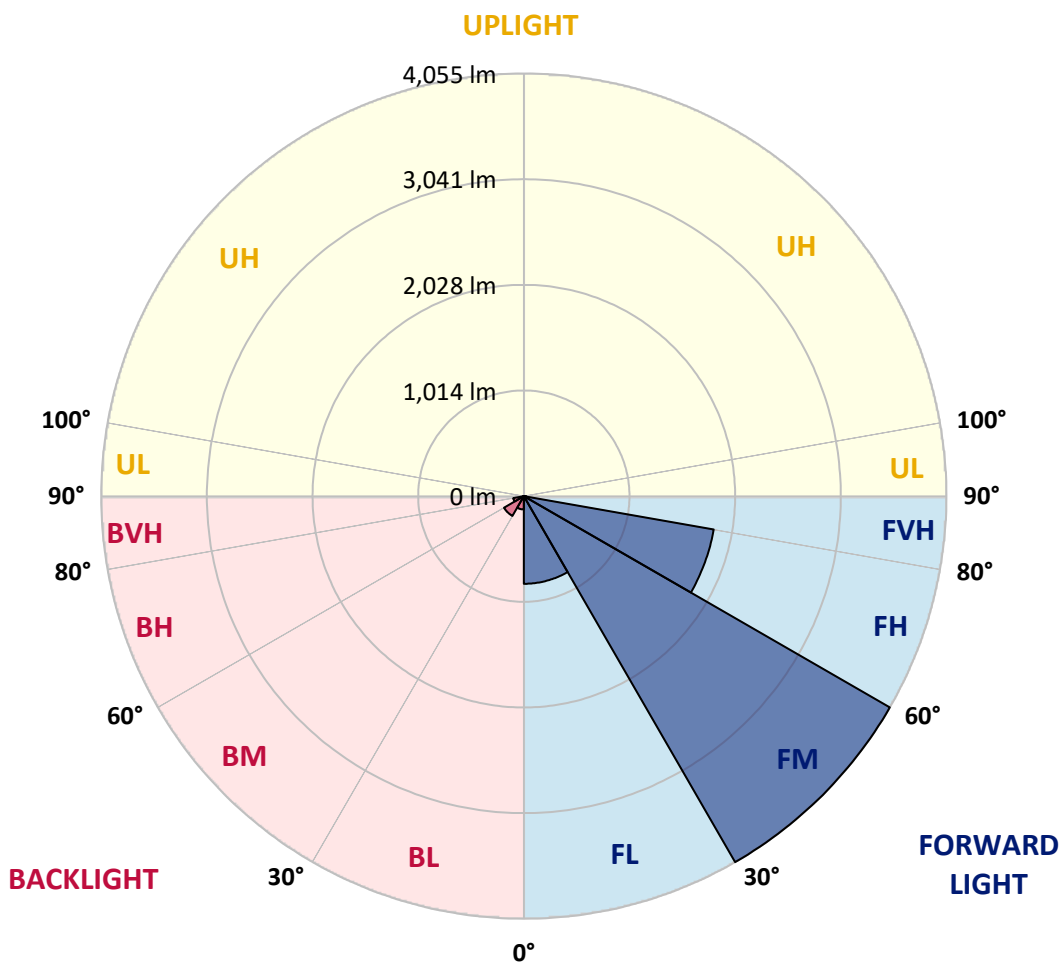


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	841.1	11.6			
FM (30°-60°)	4055.3	56.2			
FH (60°-80°)	1850.2	25.6			G2/5000
FVH (80°-90°)	22.8	0.3			G1/100
BL (0°-30°)	128.0	1.8	B1/500		
BM (30°-60°)	219.5	3.0	B0/220		
BH (60°-80°)	102.3	1.4	B0/110		G0/110
BVH (80°-90°)	1.4	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6
2.5°	1038.4	1000.6	1007.7	992.1	971.9	925.0	875.4	825.9	781.6	771.8	727.5
5°	1329.8	1318.0	1305.6	1295.2	1252.8	1194.2	1104.9	991.4	889.1	871.5	779.6
7.5°	1555.9	1538.3	1549.4	1517.5	1473.2	1416.4	1303.0	1181.8	1024.0	998.0	855.2
10°	1722.8	1713.0	1718.2	1703.3	1681.7	1625.0	1512.9	1361.0	1178.5	1129.0	940.0
12.5°	1848.0	1849.9	1872.7	1874.0	1856.4	1810.2	1691.5	1533.1	1318.7	1274.3	1033.8
15°	1939.2	1941.2	1969.2	1999.2	2019.4	1995.3	1887.7	1710.4	1483.6	1423.0	1132.2
17.5°	1954.2	1955.5	2005.1	2065.7	2128.3	2149.1	2066.3	1886.4	1634.2	1565.1	1245.0
20°	1964.0	1975.1	2019.4	2089.1	2188.2	2252.8	2207.8	2055.3	1780.2	1700.0	1355.8
22.5°	2082.6	2082.6	2108.7	2158.2	2237.1	2338.1	2329.0	2210.4	1922.3	1842.8	1466.0
25°	2334.2	2334.2	2308.8	2295.8	2338.1	2417.7	2440.5	2376.0	2084.6	1990.7	1582.0
27.5°	2667.3	2667.3	2627.6	2531.7	2495.2	2528.5	2552.6	2520.0	2234.5	2141.9	1704.6
30°	3012.8	3024.5	2955.4	2833.5	2705.8	2680.4	2656.9	2649.7	2394.2	2289.9	1829.1
32.5°	3359.6	3358.3	3272.2	3120.4	2953.5	2863.5	2787.3	2778.8	2563.7	2461.3	1947.0
35°	3636.6	3637.3	3546.7	3390.9	3197.9	3083.2	2960.7	2920.9	2749.5	2635.4	2087.8
37.5°	3876.5	3862.8	3765.0	3617.1	3437.2	3318.5	3166.0	3062.3	2941.8	2825.7	2228.6
40°	4014.0	3995.8	3900.6	3759.8	3623.6	3533.0	3398.7	3233.1	3152.9	3027.8	2389.0
42.5°	4034.2	4018.6	3955.4	3870.6	3759.2	3679.6	3643.8	3426.1	3374.6	3261.2	2580.6
45°	3977.5	3952.1	3931.2	3886.9	3855.6	3817.2	3866.1	3631.4	3628.8	3516.0	2770.3
47.5°	3836.7	3802.2	3807.4	3856.3	3891.5	3926.0	4078.6	3900.6	3885.0	3779.4	3019.3
50°	3596.2	3579.3	3636.6	3733.1	3872.6	4010.8	4290.4	4175.7	4237.6	4138.5	3362.8
52.5°	3107.3	3128.2	3299.6	3531.7	3772.8	4050.5	4489.2	4586.3	4744.7	4663.3	3708.3
55°	2520.7	2512.8	2741.6	3153.6	3538.8	4025.1	4575.9	4828.2	5077.2	4991.8	3900.6
57.5°	2030.5	2044.2	2198.7	2606.1	3141.9	3828.9	4596.1	4954.6	5210.8	5154.1	4078.6
60°	1524.0	1537.0	1677.8	2032.4	2613.9	3419.6	4429.3	4999.0	5461.8	5418.7	4362.8
62.5°	969.9	986.9	1128.3	1473.2	1997.9	2783.4	4054.4	4952.7	5723.8	5759.7	4750.6
65°	477.1	492.1	596.4	860.4	1335.6	2081.3	3531.7	4776.0	6057.5	6159.9	5061.5
67.5°	264.0	271.2	307.0	438.0	745.1	1427.5	2838.1	4398.6	6210.7	6347.6	5082.4
70°	205.3	207.3	221.0	255.5	363.1	837.6	2018.7	3770.2	5893.3	6058.9	4659.4
72.5°	172.7	175.3	181.9	193.6	226.8	436.1	1268.5	2913.7	4958.5	5033.5	3604.7
75°	126.5	130.4	148.6	159.0	179.3	264.6	559.3	1750.8	3276.8	3203.1	2016.8
77.5°	106.2	109.5	114.1	129.1	148.0	180.6	196.2	734.0	1333.7	1159.6	529.3
80°	72.4	76.3	88.7	96.5	125.2	119.3	81.5	196.9	267.9	218.4	101.7
82.5°	51.5	54.8	61.3	78.9	90.6	63.2	44.3	60.0	64.5	61.3	33.2
85°	16.3	20.9	44.3	65.2	48.9	21.5	28.0	22.8	20.2	19.6	13.0
87.5°	3.3	3.3	22.2	26.1	19.6	11.1	9.8	7.2	9.1	9.1	7.2
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°	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6	691.6
2.5°	706.6	677.3	634.9	595.1	554.7	526.0	505.8	485.6	477.8	474.5	466.1
5°	737.9	681.8	597.7	529.9	480.4	449.1	430.2	413.9	403.5	400.2	395.7
7.5°	782.9	702.0	581.4	503.2	453.7	419.8	389.1	353.9	325.9	314.8	310.3
10°	831.7	732.7	584.0	498.0	432.2	357.9	289.4	232.7	207.9	198.8	192.3
12.5°	903.4	766.6	595.1	492.1	367.6	255.5	185.1	161.7	155.8	154.5	153.2
15°	975.2	814.1	613.4	453.0	274.4	174.0	153.8	145.4	142.1	138.8	138.8
17.5°	1047.5	859.8	620.6	376.8	189.7	150.6	140.1	133.0	127.8	125.2	123.2
20°	1129.0	908.0	599.7	283.6	151.9	137.5	125.8	117.3	112.8	110.2	108.2
22.5°	1217.0	955.6	554.1	197.5	138.2	123.8	112.8	104.3	99.7	97.1	96.5
25°	1299.8	996.7	481.1	148.6	124.5	110.8	100.4	93.2	90.0	87.3	86.7
27.5°	1385.2	1031.9	385.9	131.0	113.4	100.4	90.0	84.1	80.8	78.9	78.2
30°	1468.6	1056.0	287.5	119.9	103.6	90.6	81.5	76.9	73.7	71.7	71.1
32.5°	1554.6	1069.7	194.2	110.2	93.9	82.1	74.3	69.7	67.8	65.8	65.8
35°	1637.4	1067.7	140.1	101.0	86.0	74.3	67.1	63.9	63.2	61.3	61.3
37.5°	1728.0	1054.0	119.3	92.6	77.6	67.1	61.3	59.3	58.7	57.4	56.7
40°	1831.0	1023.4	108.9	86.0	70.4	61.3	56.1	54.8	54.1	52.8	52.8
42.5°	1943.8	983.6	103.0	78.9	64.5	55.4	51.5	49.5	48.9	47.6	47.6
45°	2074.8	945.8	99.1	71.7	59.3	50.8	46.9	45.0	44.3	43.0	43.0
47.5°	2253.4	924.3	92.6	65.2	53.5	46.3	42.4	41.1	39.8	38.5	38.5
50°	2499.2	898.9	84.1	58.7	48.9	41.7	39.1	37.2	36.5	35.2	35.2
52.5°	2701.2	844.8	75.6	52.1	43.7	38.5	35.9	34.5	33.2	32.6	32.6
55°	2772.3	781.6	67.1	46.9	39.8	35.9	33.2	31.9	31.3	30.6	30.6
57.5°	2885.7	761.3	59.3	41.7	35.9	33.2	30.6	30.0	29.3	28.7	28.0
60°	3079.3	773.1	52.1	37.2	32.6	30.0	28.0	27.4	26.1	24.8	24.8
62.5°	3267.0	758.7	44.3	32.6	28.0	26.7	24.8	23.5	20.9	18.9	17.6
65°	3312.6	662.9	38.5	27.4	23.5	22.2	20.2	17.6	13.7	11.1	11.1
67.5°	3091.7	503.9	33.2	23.5	19.6	18.3	14.3	11.7	8.5	6.5	6.5
70°	2551.3	319.4	27.4	18.3	16.3	12.4	9.1	8.5	5.9	5.2	4.6
72.5°	1840.8	174.7	22.8	15.0	11.7	7.8	6.5	5.2	3.9	2.6	2.6
75°	932.1	82.1	16.9	11.7	7.8	5.2	3.9	2.6	2.6	2.0	2.0
77.5°	264.0	37.8	11.1	7.8	5.2	3.3	2.6	2.0	2.0	1.3	1.3
80°	52.1	18.9	7.2	5.2	3.9	2.6	2.0	1.3	1.3	0.7	0.7
82.5°	18.9	9.8	5.2	3.9	3.3	2.6	1.3	0.7	0.7	0.0	0.0
85°	9.8	5.2	3.9	3.3	2.6	2.0	1.3	0.7	0.0	0.0	0.0
87.5°	5.2	3.9	3.3	3.3	2.6	2.0	1.3	0.7	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)