

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: P674552

Luminaire Tested: **CCP-SA-1F-735-U-T2R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674552  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1F-735-U-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T2R distribution lens and House Side Shield  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

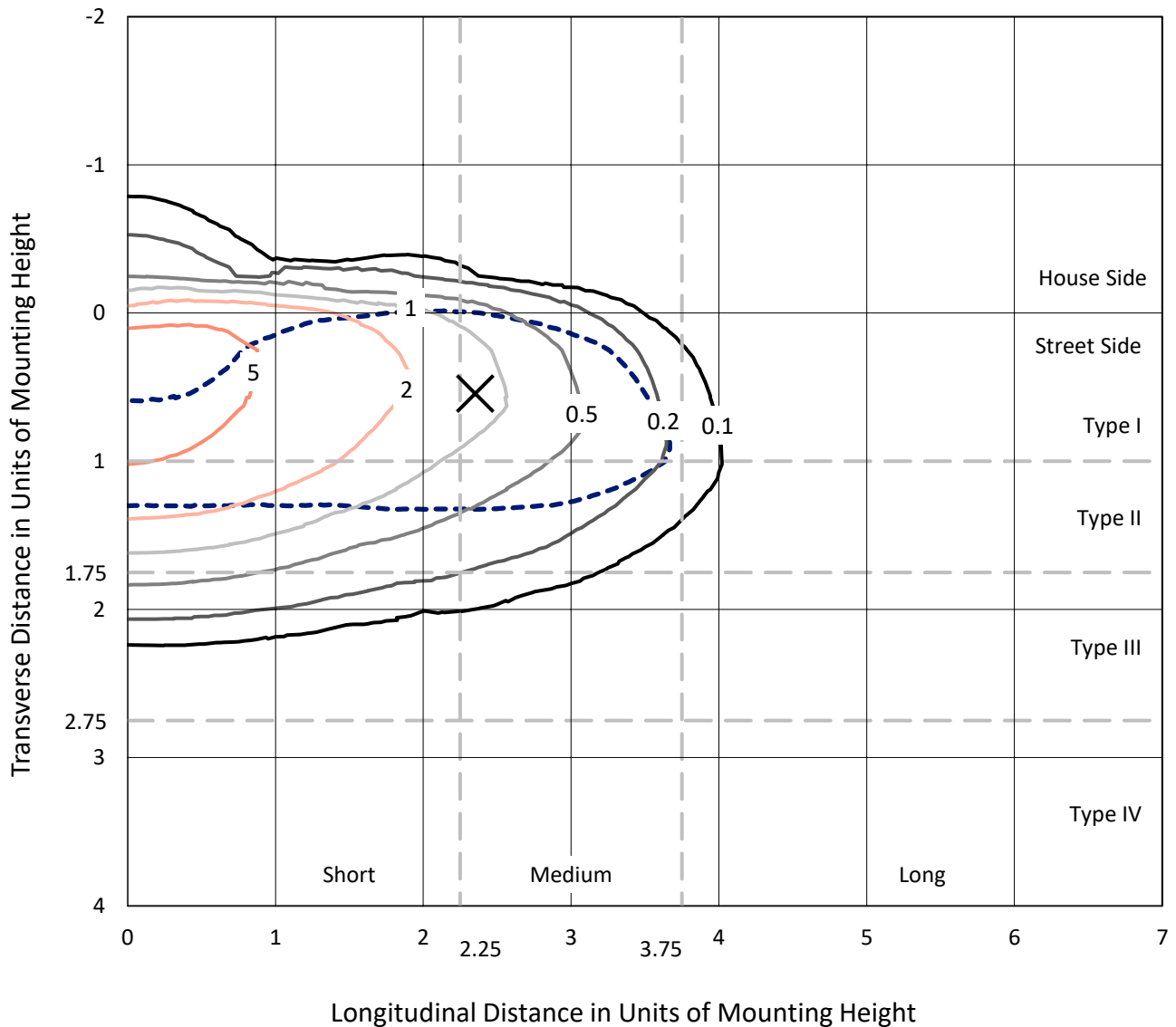
Lumens per Lamp: N/A  
Luminaire Lumens: 5987.7 lumens  
Efficiency: N/A  
Efficacy: 89.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G1

Input Watts (W): 67  
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

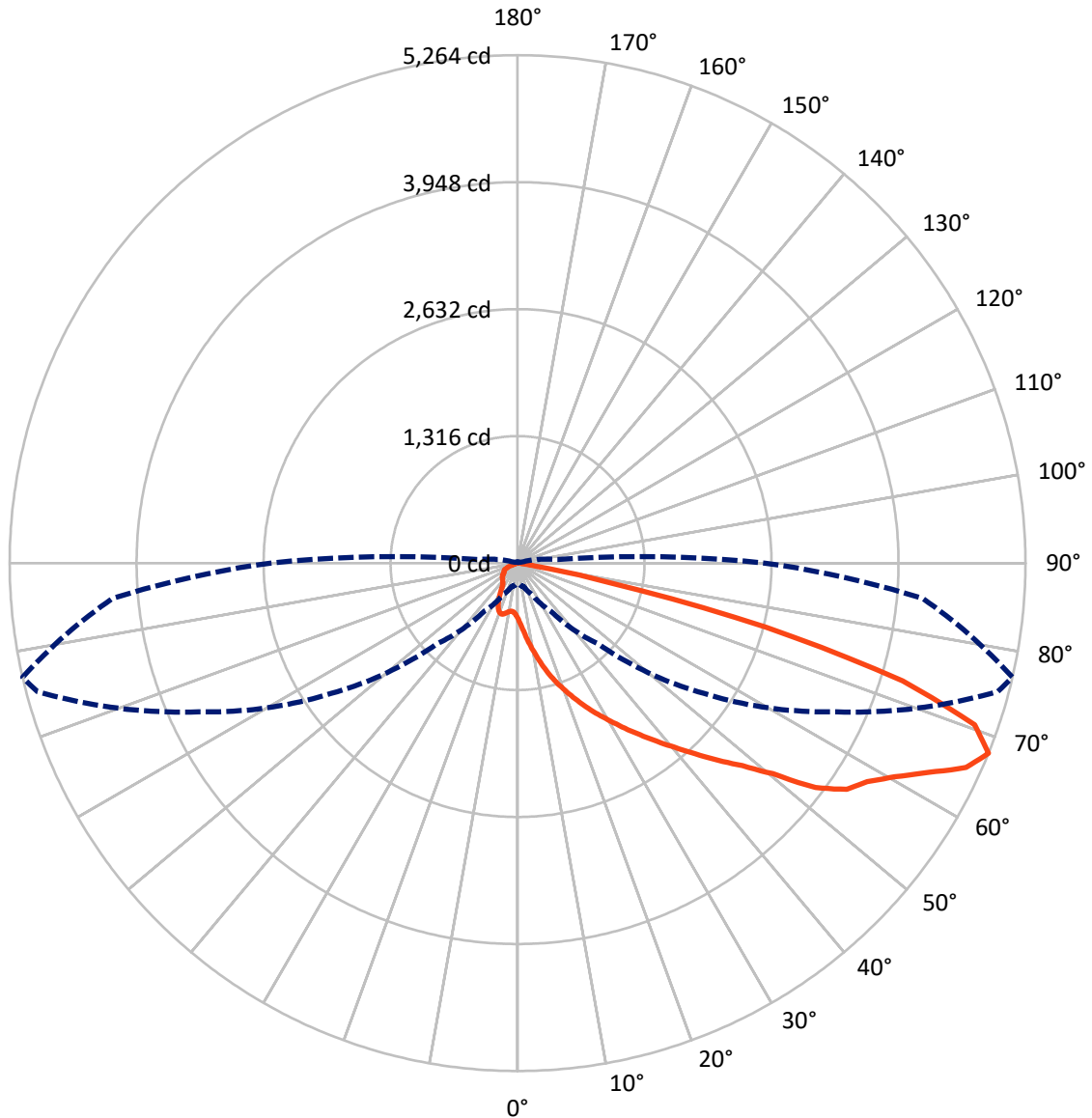
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.4 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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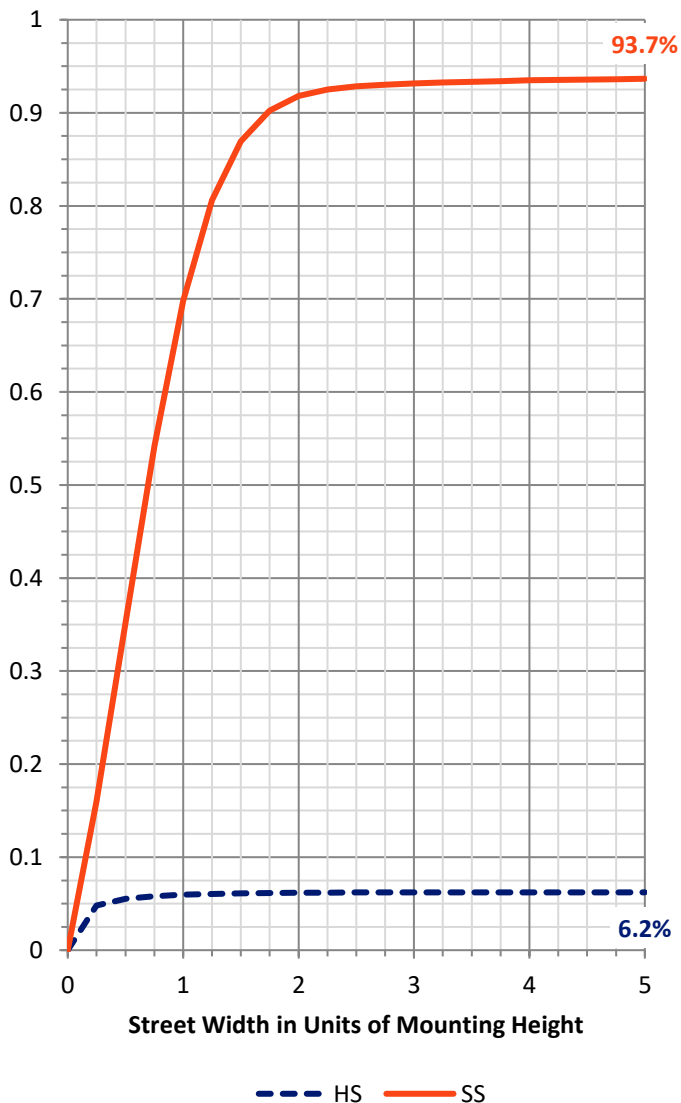
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	374.2	0.0	374.2
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	5613.5	0.0	5613.5
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	5987.7	0.0	5987.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.4	1.1
10°-20°	249.3	4.2
20°-30°	487.0	8.1
30°-40°	851.4	14.2
40°-50°	1241.6	20.7
50°-60°	1451.9	24.2
60°-70°	1177.0	19.7
70°-80°	442.1	7.4
80°-90°	20.1	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°	5987.7	100.0
0°-180°	5987.7	100.0



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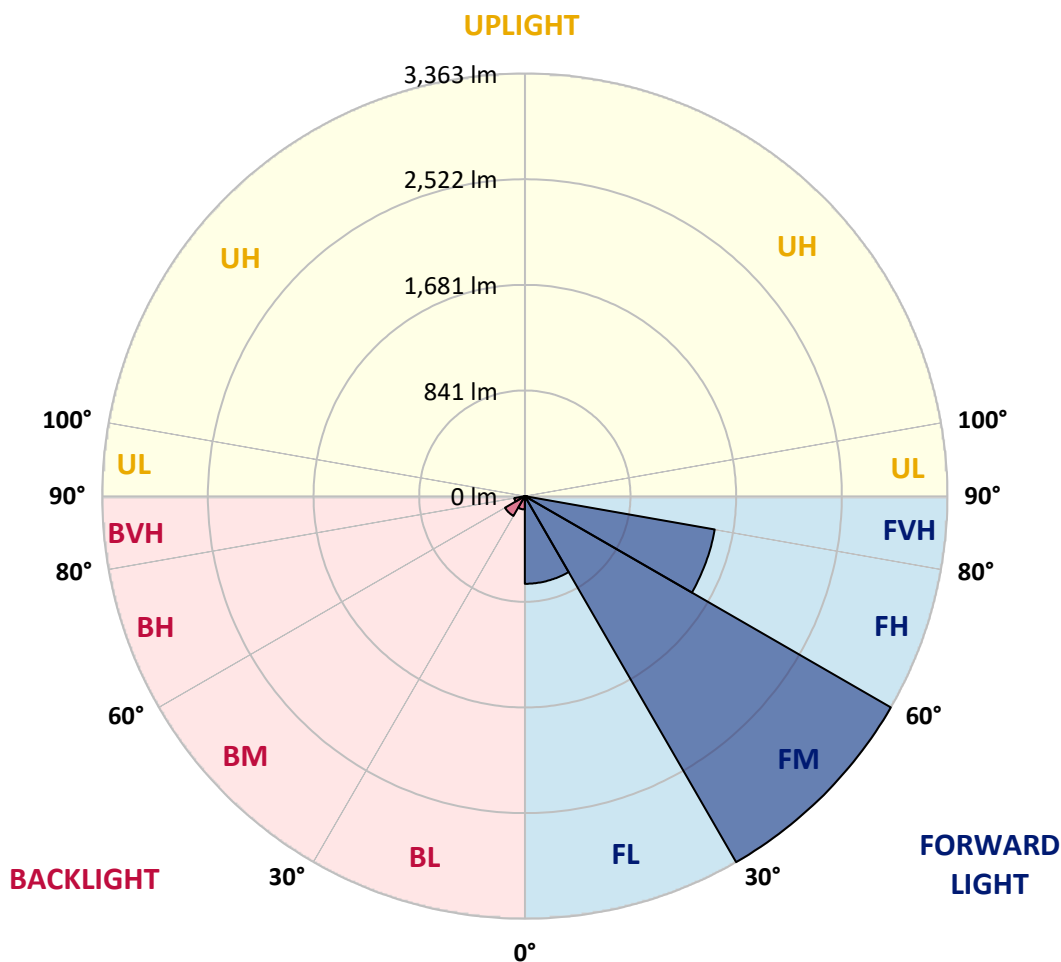
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	697.5	11.6			
FM (30°-60°)	3362.8	56.2			
FH (60°-80°)	1534.2	25.6			G1/1800
FVH (80°-90°)	18.9	0.3			G1/100
BL (0°-30°)	106.1	1.8	B0/110		
BM (30°-60°)	182.0	3.0	B0/220		
BH (60°-80°)	84.9	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°	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5
2.5°	861.1	829.7	835.7	822.7	805.9	767.0	725.9	684.9	648.1	640.0	603.2
5°	1102.7	1093.0	1082.7	1074.0	1038.9	990.3	916.2	822.2	737.3	722.7	646.5
7.5°	1290.3	1275.7	1284.9	1258.4	1221.6	1174.6	1080.5	980.0	849.2	827.6	709.2
10°	1428.6	1420.5	1424.9	1412.4	1394.6	1347.6	1254.6	1128.6	977.3	936.2	779.5
12.5°	1532.4	1534.0	1553.0	1554.0	1539.5	1501.1	1402.7	1271.3	1093.5	1056.8	857.3
15°	1608.1	1609.7	1633.0	1657.8	1674.6	1654.6	1565.4	1418.4	1230.3	1180.0	938.9
17.5°	1620.5	1621.6	1662.7	1713.0	1764.9	1782.2	1713.5	1564.3	1355.1	1297.8	1032.4
20°	1628.6	1637.8	1674.6	1732.4	1814.6	1868.1	1830.8	1704.3	1476.2	1409.7	1124.3
22.5°	1727.0	1727.0	1748.6	1789.7	1855.1	1938.9	1931.3	1833.0	1594.0	1528.1	1215.7
25°	1935.7	1935.7	1914.6	1903.8	1938.9	2004.9	2023.8	1970.3	1728.6	1650.8	1311.9
27.5°	2211.9	2211.9	2178.9	2099.4	2069.2	2096.7	2116.7	2089.7	1853.0	1776.2	1413.5
30°	2498.4	2508.1	2450.8	2349.7	2243.8	2222.7	2203.2	2197.3	1985.4	1898.9	1516.7
32.5°	2785.9	2784.9	2713.5	2587.6	2449.2	2374.6	2311.3	2304.3	2125.9	2041.1	1614.6
35°	3015.7	3016.2	2941.1	2811.9	2651.9	2556.7	2455.1	2422.1	2280.0	2185.4	1731.3
37.5°	3214.6	3203.2	3122.1	2999.4	2850.3	2751.9	2625.4	2539.4	2439.4	2343.2	1848.1
40°	3328.6	3313.5	3234.6	3117.8	3004.8	2929.7	2818.4	2681.1	2614.6	2510.8	1981.1
42.5°	3345.4	3332.4	3280.0	3209.7	3117.3	3051.3	3021.6	2841.1	2798.4	2704.3	2140.0
45°	3298.4	3277.3	3260.0	3223.2	3197.3	3165.4	3205.9	3011.3	3009.2	2915.7	2297.3
47.5°	3181.6	3153.0	3157.3	3197.8	3227.0	3255.7	3382.1	3234.6	3221.6	3134.0	2503.8
50°	2982.1	2968.1	3015.7	3095.7	3211.3	3325.9	3557.8	3462.7	3514.0	3431.9	2788.6
52.5°	2576.7	2594.0	2736.2	2928.6	3128.6	3358.9	3722.7	3803.2	3934.6	3867.0	3075.1
55°	2090.3	2083.8	2273.5	2615.1	2934.6	3337.8	3794.6	4003.8	4210.2	4139.4	3234.6
57.5°	1683.8	1695.1	1823.2	2161.1	2605.4	3175.1	3811.3	4108.6	4321.1	4274.0	3382.1
60°	1263.8	1274.6	1391.3	1685.4	2167.6	2835.7	3673.0	4145.4	4529.2	4493.5	3617.8
62.5°	804.3	818.4	935.7	1221.6	1656.7	2308.1	3362.1	4107.0	4746.5	4776.2	3939.4
65°	395.7	408.1	494.6	713.5	1107.6	1725.9	2928.6	3960.5	5023.2	5108.1	4197.3
67.5°	218.9	224.9	254.6	363.2	617.8	1183.8	2353.5	3647.5	5150.2	5263.8	4214.6
70°	170.3	171.9	183.2	211.9	301.1	694.6	1674.0	3126.5	4887.0	5024.3	3863.8
72.5°	143.2	145.4	150.8	160.5	188.1	361.6	1051.9	2416.2	4111.9	4174.0	2989.2
75°	104.9	108.1	123.2	131.9	148.6	219.5	463.8	1451.9	2717.3	2656.2	1672.4
77.5°	88.1	90.8	94.6	107.0	122.7	149.7	162.7	608.6	1105.9	961.6	438.9
80°	60.0	63.2	73.5	80.0	103.8	98.9	67.6	163.2	222.2	181.1	84.3
82.5°	42.7	45.4	50.8	65.4	75.1	52.4	36.8	49.7	53.5	50.8	27.6
85°	13.5	17.3	36.8	54.1	40.5	17.8	23.2	18.9	16.8	16.2	10.8
87.5°	2.7	2.7	18.4	21.6	16.2	9.2	8.1	5.9	7.6	7.6	5.9
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°	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5
2.5°	585.9	561.6	526.5	493.5	460.0	436.2	419.5	402.7	396.2	393.5	386.5
5°	611.9	565.4	495.7	439.5	398.4	372.4	356.8	343.2	334.6	331.9	328.1
7.5°	649.2	582.2	482.2	417.3	376.2	348.1	322.7	293.5	270.3	261.1	257.3
10°	689.7	607.6	484.3	413.0	358.4	296.8	240.0	193.0	172.4	164.9	159.5
12.5°	749.2	635.7	493.5	408.1	304.9	211.9	153.5	134.1	129.2	128.1	127.0
15°	808.6	675.1	508.6	375.7	227.6	144.3	127.6	120.5	117.8	115.1	115.1
17.5°	868.6	713.0	514.6	312.4	157.3	124.9	116.2	110.3	105.9	103.8	102.2
20°	936.2	753.0	497.3	235.1	125.9	114.1	104.3	97.3	93.5	91.4	89.7
22.5°	1009.2	792.4	459.5	163.8	114.6	102.7	93.5	86.5	82.7	80.5	80.0
25°	1077.8	826.5	398.9	123.2	103.2	91.9	83.2	77.3	74.6	72.4	71.9
27.5°	1148.6	855.7	320.0	108.6	94.1	83.2	74.6	69.7	67.0	65.4	64.9
30°	1217.8	875.7	238.4	99.5	85.9	75.1	67.6	63.8	61.1	59.5	58.9
32.5°	1289.2	887.0	161.1	91.4	77.8	68.1	61.6	57.8	56.2	54.6	54.6
35°	1357.8	885.4	116.2	83.8	71.4	61.6	55.7	53.0	52.4	50.8	50.8
37.5°	1433.0	874.0	98.9	76.8	64.3	55.7	50.8	49.2	48.6	47.6	47.0
40°	1518.4	848.6	90.3	71.4	58.4	50.8	46.5	45.4	44.9	43.8	43.8
42.5°	1611.9	815.7	85.4	65.4	53.5	45.9	42.7	41.1	40.5	39.5	39.5
45°	1720.5	784.3	82.2	59.5	49.2	42.2	38.9	37.3	36.8	35.7	35.7
47.5°	1868.6	766.5	76.8	54.1	44.3	38.4	35.1	34.1	33.0	31.9	31.9
50°	2072.4	745.4	69.7	48.6	40.5	34.6	32.4	30.8	30.3	29.2	29.2
52.5°	2240.0	700.5	62.7	43.2	36.2	31.9	29.7	28.6	27.6	27.0	27.0
55°	2298.9	648.1	55.7	38.9	33.0	29.7	27.6	26.5	25.9	25.4	25.4
57.5°	2393.0	631.3	49.2	34.6	29.7	27.6	25.4	24.9	24.3	23.8	23.2
60°	2553.5	641.1	43.2	30.8	27.0	24.9	23.2	22.7	21.6	20.5	20.5
62.5°	2709.2	629.2	36.8	27.0	23.2	22.2	20.5	19.5	17.3	15.7	14.6
65°	2747.0	549.7	31.9	22.7	19.5	18.4	16.8	14.6	11.4	9.2	9.2
67.5°	2563.8	417.8	27.6	19.5	16.2	15.1	11.9	9.7	7.0	5.4	5.4
70°	2115.7	264.9	22.7	15.1	13.5	10.3	7.6	7.0	4.9	4.3	3.8
72.5°	1526.5	144.9	18.9	12.4	9.7	6.5	5.4	4.3	3.2	2.2	2.2
75°	773.0	68.1	14.1	9.7	6.5	4.3	3.2	2.2	2.2	1.6	1.6
77.5°	218.9	31.4	9.2	6.5	4.3	2.7	2.2	1.6	1.6	1.1	1.1
80°	43.2	15.7	5.9	4.3	3.2	2.2	1.6	1.1	1.1	0.5	0.5
82.5°	15.7	8.1	4.3	3.2	2.7	2.2	1.1	0.5	0.5	0.0	0.0
85°	8.1	4.3	3.2	2.7	2.2	1.6	1.1	0.5	0.0	0.0	0.0
87.5°	4.3	3.2	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)