

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: P672082

Luminaire Tested: **CCP-SA-1F-727-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672082  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1F-727-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T2R distribution lens  
Light Source: (16) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

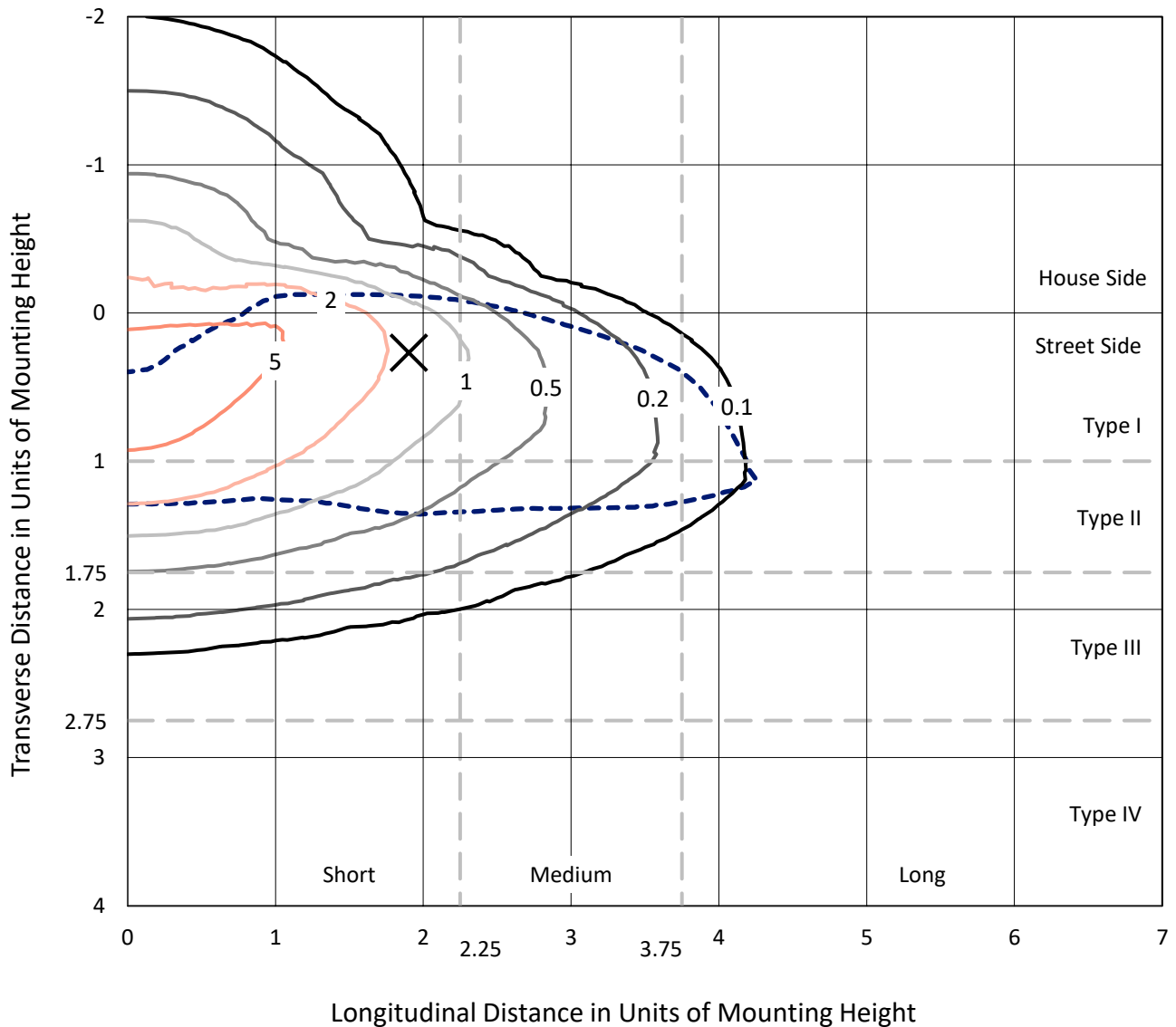
Lumens per Lamp: N/A  
Luminaire Lumens: 6369.1 lumens  
Efficiency: N/A  
Efficacy: 95.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 67  
Input Voltage (V): 120  
Input Current (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

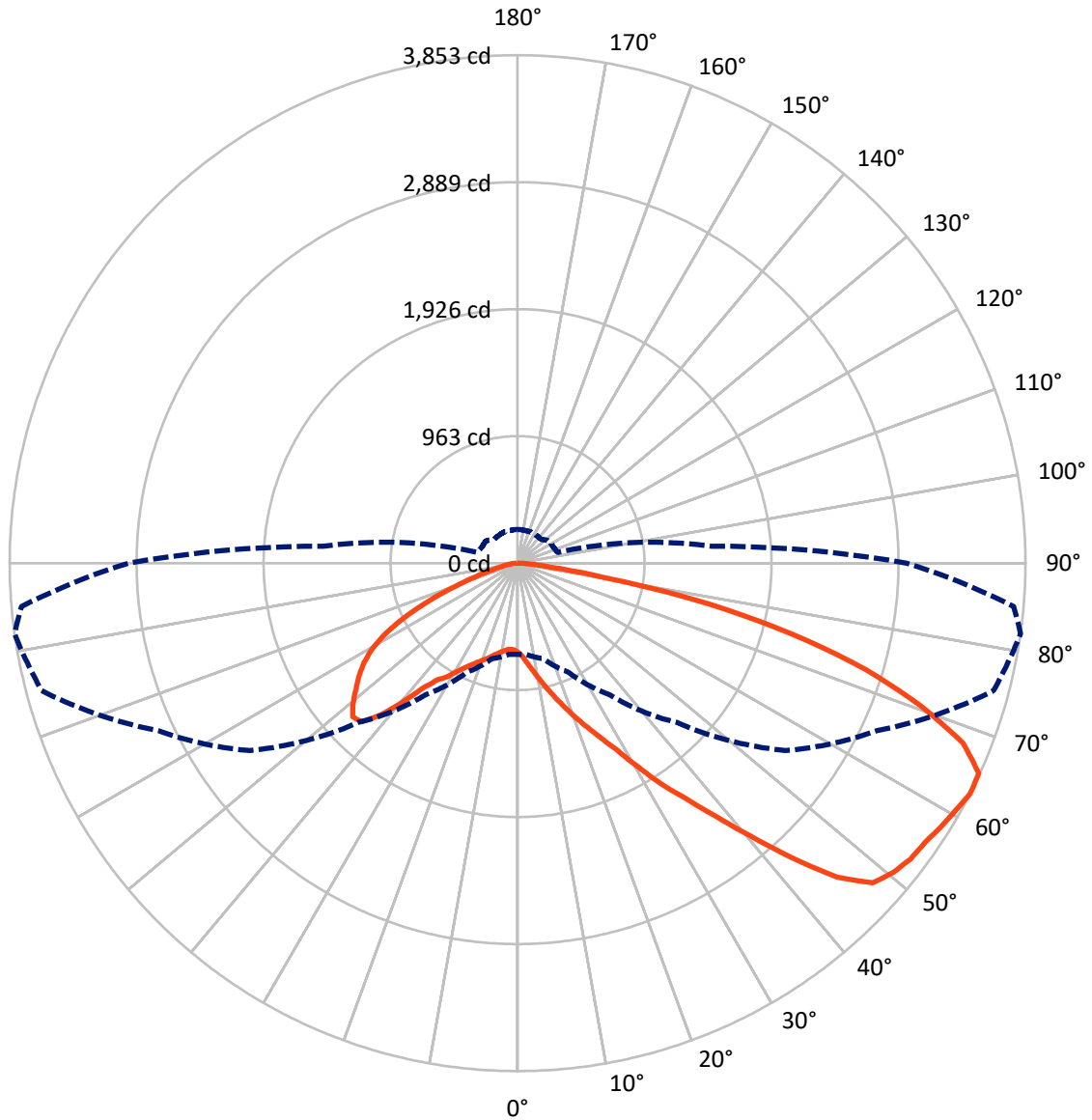
✕ Max cd  
 - - - 1/2 Max cd



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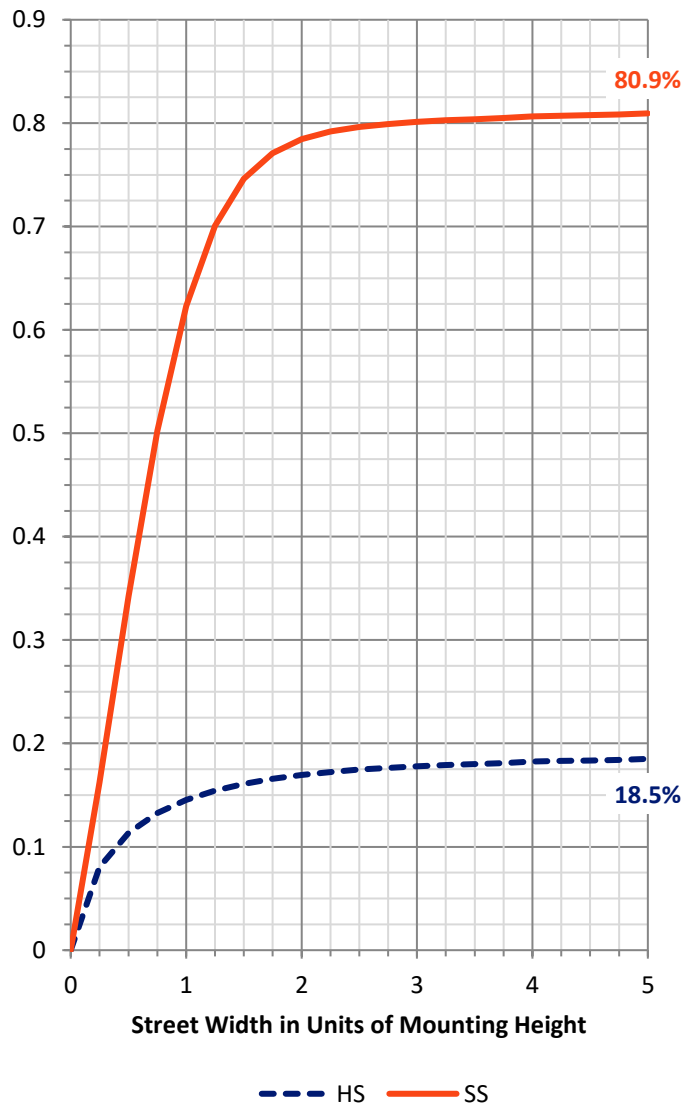
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1199.9	0.0	1199.9
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	5169.2	0.0	5169.2
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	6369.1	0.0	6369.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.9	1.2
10°-20°	282.7	4.4
20°-30°	585.4	9.2
30°-40°	993.7	15.6
40°-50°	1353.1	21.2
50°-60°	1369.7	21.5
60°-70°	1079.5	16.9
70°-80°	531.8	8.3
80°-90°	98.4	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°	6369.1	100.0
0°-180°	6369.1	100.0



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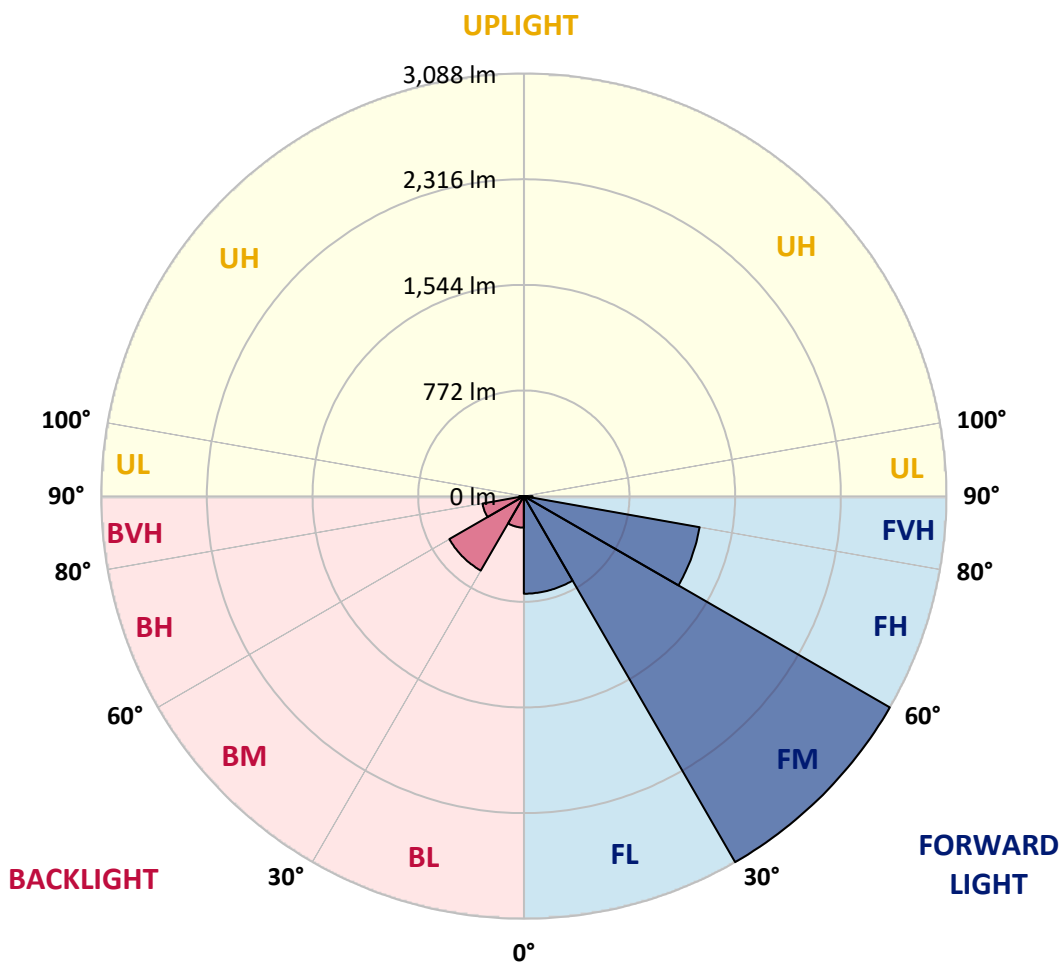
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	712.9	11.2			
FM (30°-60°)	3088.0	48.5			
FH (60°-80°)	1304.5	20.5			G1/1800
FVH (80°-90°)	63.9	1.0			G1/100
BL (0°-30°)	230.2	3.6	B1/500		
BM (30°-60°)	628.5	9.9	B1/1000		
BH (60°-80°)	306.7	4.8	B1/500		G1/500
BVH (80°-90°)	34.5	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°	677.3	677.3	677.3	677.3	677.3	677.3	677.3	677.3	677.3	677.3	677.3
2.5°	902.0	888.3	880.9	872.7	849.7	835.1	807.6	775.5	738.3	706.7	700.7
5°	1092.3	1078.6	1080.4	1060.2	1026.7	995.6	944.2	883.7	813.1	758.9	740.1
7.5°	1226.7	1211.6	1215.2	1207.0	1179.9	1145.5	1080.4	1002.4	899.3	819.0	788.7
10°	1316.6	1318.4	1321.2	1317.9	1300.5	1276.2	1211.6	1125.3	996.9	890.1	848.8
12.5°	1418.4	1423.4	1422.5	1423.9	1414.7	1395.4	1332.2	1251.0	1101.0	966.7	913.0
15°	1548.1	1543.1	1547.2	1553.2	1543.1	1522.0	1466.1	1369.8	1210.2	1052.0	985.5
17.5°	1690.3	1679.8	1690.8	1684.8	1677.5	1663.7	1602.3	1499.5	1323.0	1144.1	1066.2
20°	1813.2	1806.3	1812.3	1813.2	1814.6	1811.8	1748.5	1639.4	1441.3	1244.6	1153.3
22.5°	1951.2	1948.0	1947.1	1947.6	1948.9	1952.2	1909.0	1792.6	1572.5	1350.0	1247.3
25°	2144.3	2141.1	2120.0	2096.6	2082.8	2092.9	2070.5	1966.4	1717.4	1468.4	1350.5
27.5°	2360.7	2355.7	2327.7	2268.6	2224.5	2231.9	2229.6	2158.1	1884.3	1604.1	1474.3
30°	2585.4	2573.1	2534.5	2451.5	2382.3	2369.5	2375.9	2352.0	2094.3	1784.3	1646.7
32.5°	2785.8	2762.9	2712.0	2628.1	2545.5	2508.4	2509.3	2519.9	2322.7	1994.3	1827.4
35°	2908.3	2893.1	2855.1	2770.3	2678.1	2653.3	2646.4	2699.2	2532.3	2188.8	1989.3
37.5°	2974.3	2959.6	2918.8	2850.5	2780.8	2770.7	2783.6	2865.2	2770.3	2431.4	2209.4
40°	2962.4	2946.8	2920.2	2872.5	2826.7	2834.5	2891.3	3017.4	3030.3	2721.6	2523.1
42.5°	2864.3	2847.8	2845.5	2842.2	2820.7	2855.1	2957.8	3128.9	3269.2	3056.9	2902.8
45°	2690.9	2680.8	2692.8	2747.8	2774.8	2841.3	2989.0	3183.0	3479.2	3397.6	3261.8
47.5°	2471.3	2465.3	2492.4	2579.5	2667.1	2799.1	3009.6	3197.6	3623.7	3623.7	3497.1
50°	2225.5	2223.2	2258.9	2385.5	2522.6	2721.6	3007.3	3211.4	3686.9	3690.2	3580.1
52.5°	1882.5	1894.4	1989.8	2156.7	2342.9	2600.1	2975.2	3249.9	3722.7	3730.0	3635.6
55°	1487.2	1498.6	1642.6	1867.3	2105.8	2452.5	2879.4	3238.5	3729.6	3746.1	3667.2
57.5°	1187.3	1189.5	1279.4	1546.3	1841.6	2263.5	2768.9	3162.3	3709.4	3781.4	3715.8
60°	929.1	936.4	996.5	1207.9	1535.3	2020.0	2645.5	3087.1	3720.9	3814.9	3759.9
62.5°	692.0	693.8	749.8	913.5	1219.8	1709.6	2478.1	3006.9	3736.9	3852.5	3777.7
65°	450.8	450.3	504.4	652.1	911.2	1374.3	2215.4	2881.2	3738.3	3844.2	3695.7
67.5°	286.6	288.4	311.8	404.9	609.9	1037.3	1857.7	2647.8	3673.2	3644.3	3396.7
70°	232.5	233.0	240.3	264.6	371.4	709.0	1396.4	2282.8	3467.3	3245.8	2952.3
72.5°	207.3	207.7	211.4	214.2	247.6	426.0	916.2	1853.6	3101.3	2766.6	2449.2
75°	186.2	186.2	188.5	185.7	203.1	267.3	520.0	1393.6	2554.3	2154.4	1850.4
77.5°	163.3	162.8	162.8	161.4	175.6	195.4	260.5	972.6	1839.8	1469.3	1200.1
80°	138.5	137.6	138.9	138.0	151.8	148.1	151.8	600.3	997.4	673.6	510.9
82.5°	107.8	107.8	111.9	112.8	125.2	107.3	106.8	284.8	378.8	251.8	188.5
85°	56.4	63.3	85.3	89.0	94.5	67.4	78.4	133.0	151.8	96.3	68.8
87.5°	17.0	17.9	52.3	58.7	58.2	33.9	48.2	64.2	71.1	42.6	28.0
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°	677.3	677.3	677.3	677.3	677.3	677.3	677.3	677.3	677.3	677.3	677.3
2.5°	685.6	669.5	635.6	605.3	582.4	560.4	545.2	537.4	527.4	528.7	525.5
5°	706.7	673.6	613.6	565.0	532.4	507.6	492.5	484.7	477.4	473.7	476.5
7.5°	738.3	686.9	603.0	544.3	510.4	489.3	481.0	478.8	476.9	475.5	477.8
10°	779.1	710.3	601.2	537.0	505.8	493.0	489.8	488.4	486.5	484.7	486.1
12.5°	820.8	736.0	607.6	538.8	513.1	503.5	499.4	497.6	493.0	490.7	491.1
15°	873.1	767.2	616.3	546.2	522.8	510.4	504.9	499.8	492.5	489.3	490.7
17.5°	929.1	804.3	628.2	553.0	526.4	511.3	500.3	493.0	485.6	481.0	481.5
20°	992.4	841.0	638.8	555.3	524.6	503.5	490.2	481.5	471.9	466.8	465.5
22.5°	1057.9	879.5	647.0	553.5	514.5	490.2	475.1	464.5	453.1	445.3	445.7
25°	1137.7	931.8	653.9	547.1	501.2	472.8	455.8	442.5	430.6	423.3	423.7
27.5°	1233.6	991.0	662.2	537.0	485.2	454.0	434.3	421.0	409.5	402.6	401.7
30°	1361.5	1068.0	671.4	524.6	465.0	433.4	414.1	400.3	389.3	382.9	382.9
32.5°	1505.5	1162.0	677.8	509.9	442.5	411.3	393.9	382.9	374.7	365.9	365.0
35°	1630.7	1234.9	697.5	498.5	422.8	390.7	378.8	371.0	358.6	350.4	349.0
37.5°	1814.6	1363.3	755.7	495.3	399.0	374.7	372.4	357.7	343.5	327.9	326.5
40°	2110.8	1585.8	823.6	479.7	374.2	365.9	363.6	343.9	310.5	300.8	299.0
42.5°	2487.8	1853.6	830.9	434.3	356.8	358.6	351.7	313.2	298.5	291.2	289.4
45°	2828.0	2070.9	789.2	388.0	343.9	347.6	333.4	301.7	293.5	286.6	284.8
47.5°	3019.3	2137.9	710.3	353.1	334.3	338.0	304.0	296.2	288.0	281.1	279.3
50°	3072.9	2079.6	618.6	332.9	327.0	328.3	296.2	291.7	284.3	278.8	276.1
52.5°	3083.5	1992.5	533.8	321.0	321.5	309.1	289.4	285.7	281.1	272.4	269.2
55°	3088.0	1914.1	457.7	313.7	317.8	284.3	282.0	279.3	275.6	266.4	264.6
57.5°	3100.0	1813.7	398.0	308.2	313.2	272.9	273.8	271.9	267.3	263.2	262.3
60°	3066.0	1674.7	352.2	302.7	306.8	263.2	264.1	265.1	260.9	260.0	259.6
62.5°	2952.3	1477.5	313.2	295.3	293.5	253.6	253.6	257.3	253.6	255.0	255.0
65°	2718.0	1226.2	278.4	281.6	272.9	243.0	242.6	249.0	243.5	249.5	249.9
67.5°	2318.6	928.2	242.6	260.0	251.3	232.0	233.9	238.9	231.6	244.0	244.0
70°	1835.2	631.5	205.4	229.7	229.3	219.7	225.6	225.2	216.9	235.2	232.0
72.5°	1367.0	405.4	167.4	192.6	200.4	206.4	217.4	207.7	199.9	210.5	200.9
75°	955.2	254.1	132.1	152.2	166.9	191.7	207.3	188.0	176.6	173.3	170.6
77.5°	571.8	162.3	104.1	116.0	130.2	174.3	194.4	167.4	150.0	148.1	142.6
80°	263.7	105.9	79.3	86.7	92.6	149.5	177.0	143.1	122.0	120.1	113.7
82.5°	119.2	69.7	59.2	61.9	62.4	118.8	149.5	113.3	93.1	150.9	130.7
85°	55.5	44.9	38.5	36.7	37.1	79.3	108.7	78.0	105.9	82.5	62.8
87.5°	23.8	22.9	19.7	15.6	14.2	17.0	41.7	32.6	46.3	18.3	12.4
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)