

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: P673278

Luminaire Tested: **CCP-SA-1F-750-U-T3-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673278  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1F-750-U-T3-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T3 distribution lens and House Side Shield  
Light Source: (16) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

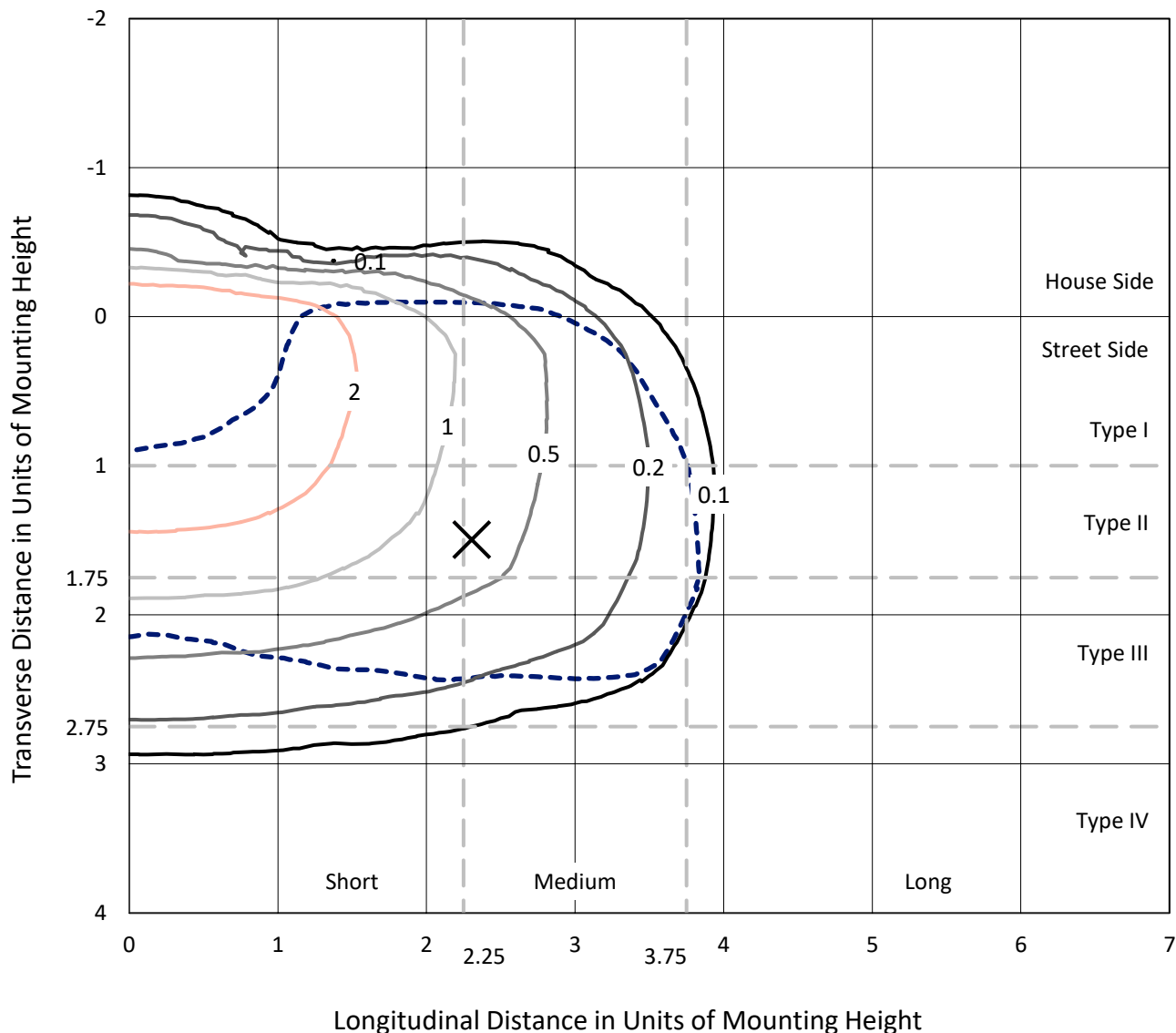
Lumens per Lamp: N/A  
Luminaire Lumens: 5525.1 lumens  
Efficiency: N/A  
Efficacy: 82.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

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

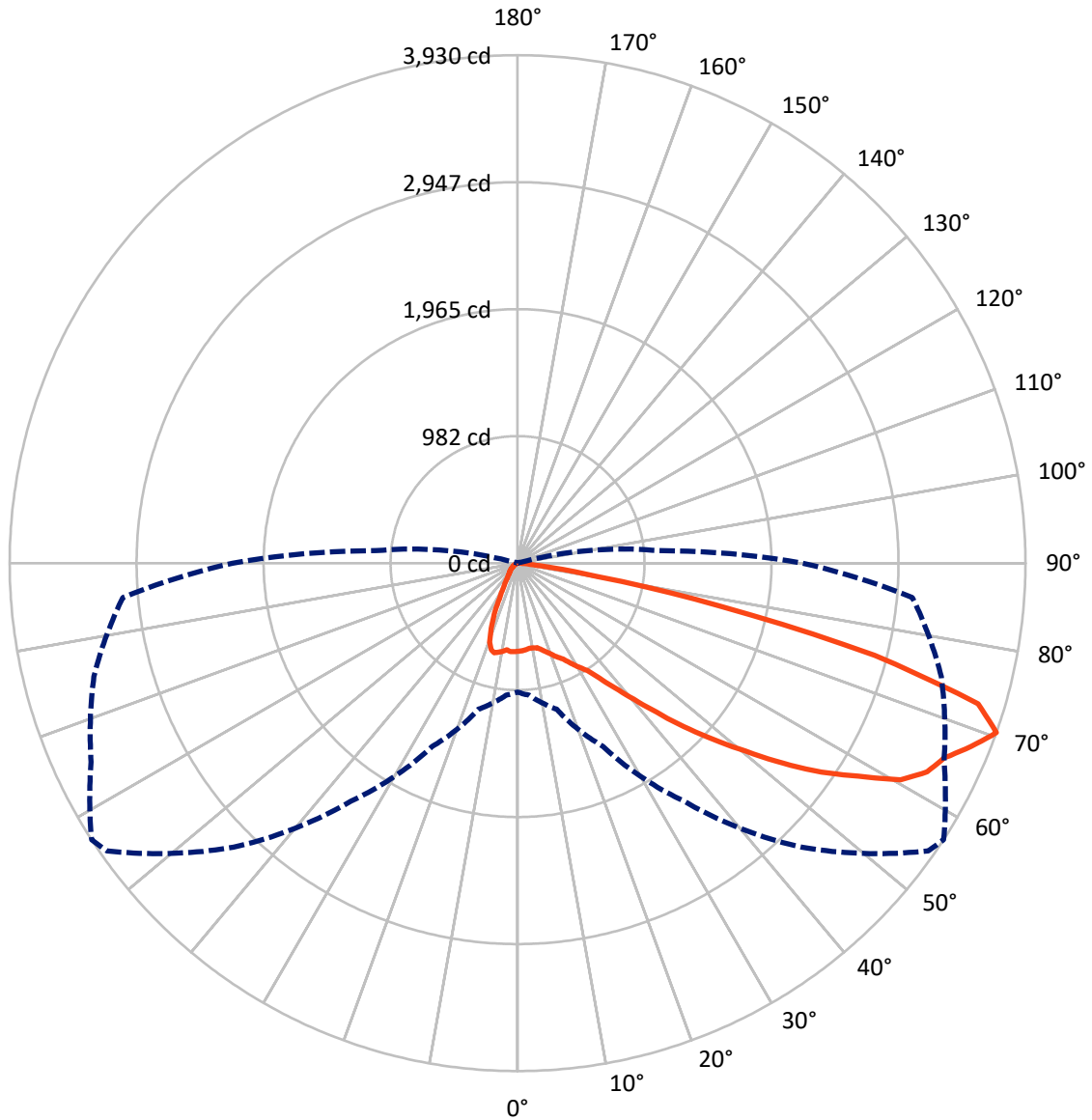
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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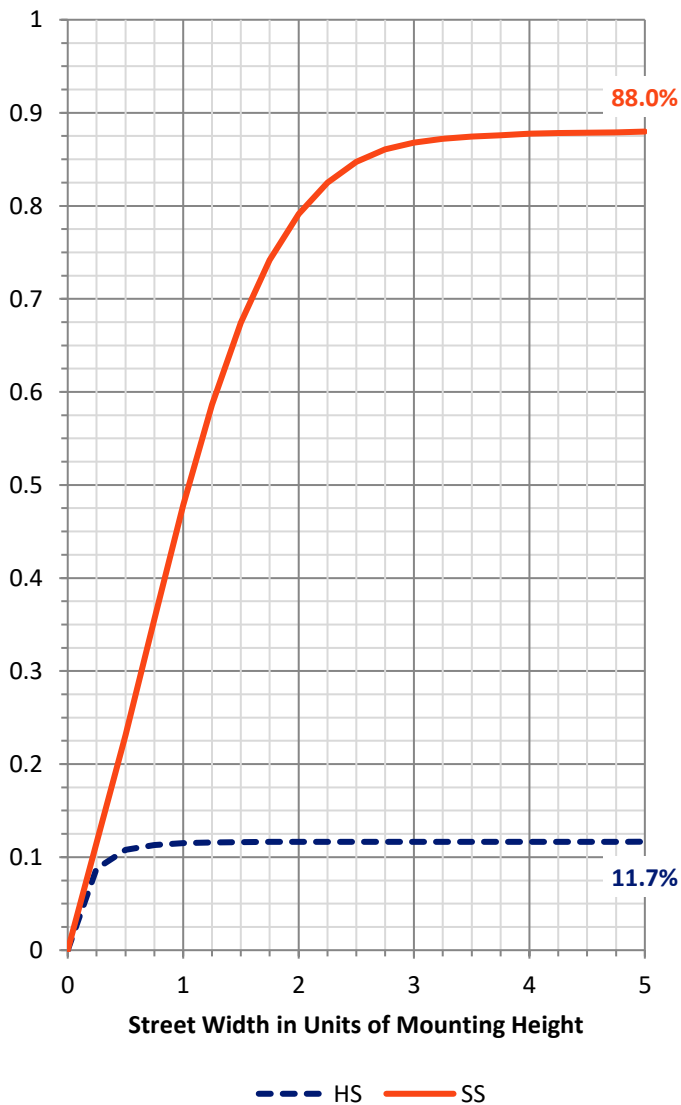
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	651.3	0.0	651.3
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	4873.8	0.0	4873.8
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	5525.1	0.0	5525.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.7	1.2
10°-20°	178.1	3.2
20°-30°	300.0	5.4
30°-40°	513.5	9.3
40°-50°	862.2	15.6
50°-60°	1323.5	24.0
60°-70°	1528.0	27.7
70°-80°	721.8	13.1
80°-90°	34.3	0.6
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°	5525.1	100.0
0°-180°	5525.1	100.0



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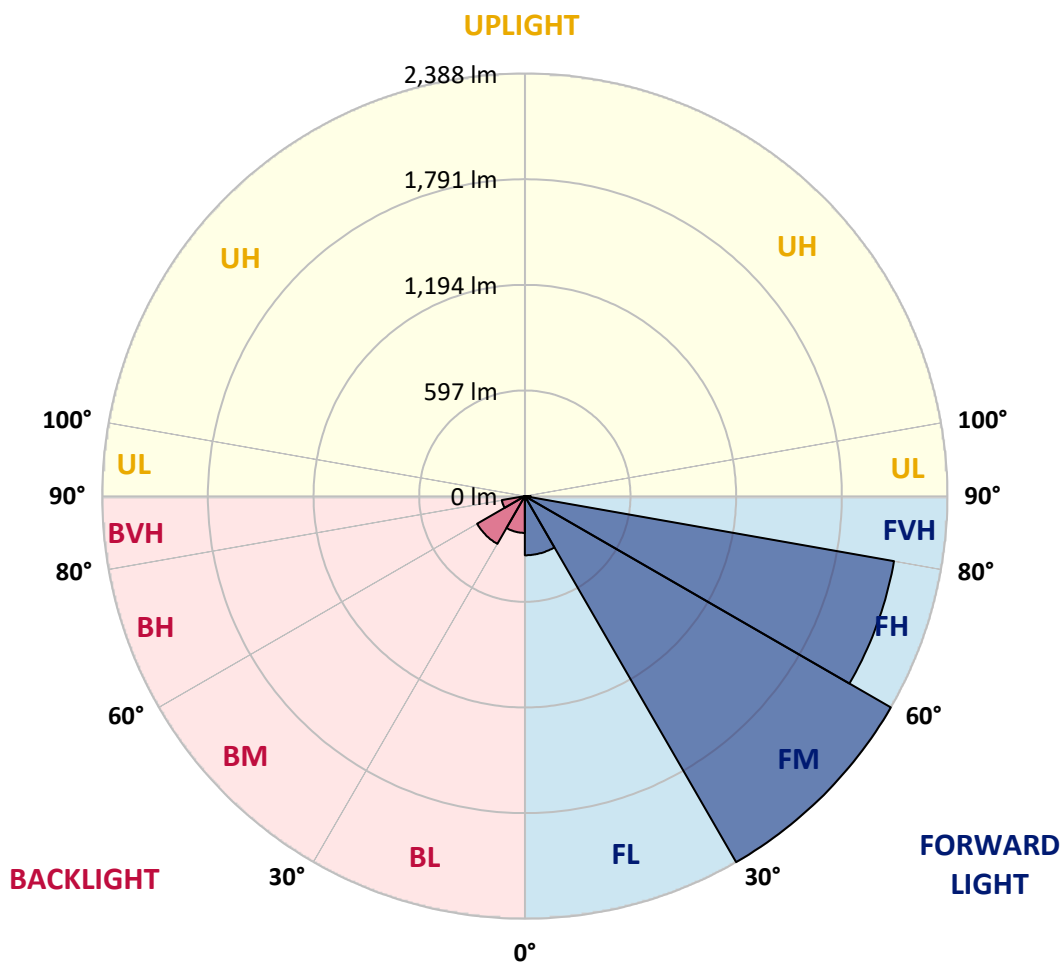
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	334.3	6.0			
FM (30°-60°)	2387.9	43.2			
FH (60°-80°)	2118.1	38.3			G2/5000
FVH (80°-90°)	33.6	0.6			G1/100
BL (0°-30°)	207.6	3.8	B1/500		
BM (30°-60°)	311.3	5.6	B1/1000		
BH (60°-80°)	131.7	2.4	B1/500		G1/500
BVH (80°-90°)	0.6	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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	681.7	681.7	681.7	681.7	681.7	681.7	681.7	681.7	681.7	681.7	681.7
2.5°	671.8	667.6	671.8	677.5	671.8	676.1	674.7	678.9	673.3	673.3	677.5
5°	628.1	635.1	638.0	645.0	652.1	664.8	673.3	673.3	681.7	686.0	691.6
7.5°	612.6	601.3	612.6	618.2	625.3	646.4	659.1	664.8	676.1	691.6	700.1
10°	590.0	598.5	598.5	616.8	626.7	639.4	662.0	666.2	691.6	707.1	715.6
12.5°	588.6	588.6	595.6	608.3	628.1	652.1	680.3	671.8	698.7	726.9	741.0
15°	592.8	602.7	602.7	619.6	635.1	669.0	693.0	694.4	732.5	760.8	773.5
17.5°	611.2	606.9	612.6	622.4	646.4	678.9	718.4	722.7	766.4	804.5	822.9
20°	649.3	656.3	647.9	642.2	652.1	694.4	745.2	753.7	803.1	839.8	858.2
22.5°	791.8	786.2	752.3	712.8	695.8	715.6	770.6	790.4	848.3	892.0	907.6
25°	952.7	942.8	903.3	844.0	766.4	757.9	821.5	821.5	904.7	952.7	948.5
27.5°	1105.2	1102.3	1055.8	993.7	883.6	822.9	862.4	877.9	968.2	1007.8	989.4
30°	1260.4	1263.2	1220.9	1146.1	1030.4	927.3	920.3	933.0	1016.2	1078.3	1040.2
32.5°	1441.1	1415.7	1386.0	1283.0	1177.1	1061.4	995.1	989.4	1069.9	1126.3	1075.5
35°	1602.0	1586.5	1554.0	1460.8	1339.5	1201.1	1108.0	1093.9	1137.6	1212.4	1157.4
37.5°	1743.1	1727.6	1685.3	1623.2	1528.6	1374.7	1243.5	1222.3	1240.7	1319.7	1253.4
40°	1864.5	1868.7	1857.5	1796.8	1709.3	1569.5	1418.5	1384.6	1369.1	1439.7	1364.9
42.5°	1952.0	1993.0	1995.8	1921.0	1850.4	1774.2	1604.8	1578.0	1541.3	1600.6	1548.4
45°	2135.5	2112.9	2127.0	2100.2	2022.6	2011.3	1819.3	1803.8	1753.0	1772.8	1717.7
47.5°	2279.5	2275.2	2302.1	2258.3	2237.1	2238.5	2063.5	2036.7	1964.7	2001.4	1939.3
50°	2362.8	2340.2	2437.6	2471.4	2467.2	2484.1	2310.5	2287.9	2218.8	2272.4	2139.7
52.5°	2382.5	2423.4	2515.2	2638.0	2690.2	2725.5	2580.1	2571.6	2496.8	2530.7	2347.2
55°	2431.9	2471.4	2525.1	2726.9	2920.3	2928.7	2845.5	2853.9	2787.6	2779.1	2544.8
57.5°	2430.5	2422.0	2570.2	2804.5	3072.7	3194.1	3148.9	3108.0	3036.0	2952.7	2671.9
60°	2341.6	2337.3	2491.2	2814.4	3156.0	3434.0	3452.4	3404.4	3223.7	3100.9	2821.5
62.5°	2165.1	2182.1	2337.3	2729.7	3235.0	3520.1	3587.9	3555.4	3331.0	3199.7	2997.9
65°	1963.3	1928.0	2108.7	2518.0	3057.2	3494.7	3641.5	3630.2	3458.0	3307.0	3160.2
67.5°	1575.2	1590.7	1729.0	2166.6	2753.7	3401.6	3767.1	3784.1	3559.7	3401.6	3209.6
70°	997.9	1026.1	1170.1	1565.3	2248.4	3108.0	3880.0	3929.5	3640.1	3393.1	3065.6
72.5°	290.8	302.0	498.2	780.5	1432.6	2492.6	3699.4	3724.8	3483.4	3079.8	2371.2
75°	96.0	101.6	146.8	254.1	561.8	1288.6	2732.5	2852.5	2772.1	2232.9	1356.4
77.5°	63.5	66.3	80.5	121.4	213.1	403.7	1465.1	1593.5	1562.5	1045.9	437.5
80°	46.6	48.0	59.3	81.9	129.9	145.4	540.6	625.3	604.1	239.9	87.5
82.5°	29.6	29.6	43.8	57.9	81.9	72.0	156.7	173.6	169.4	91.7	33.9
85°	19.8	21.2	32.5	45.2	45.2	33.9	45.2	52.2	56.5	49.4	15.5
87.5°	5.6	7.1	18.3	31.1	18.3	16.9	15.5	16.9	19.8	26.8	8.5
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°	681.7	681.7	681.7	681.7	681.7	681.7	681.7	681.7	681.7	681.7	681.7
2.5°	681.7	687.4	686.0	688.8	684.5	680.3	684.5	684.5	684.5	680.3	677.5
5°	687.4	684.5	687.4	681.7	687.4	681.7	678.9	670.4	669.0	669.0	674.7
7.5°	695.8	698.7	686.0	686.0	673.3	676.1	669.0	670.4	667.6	663.4	660.6
10°	708.5	719.8	707.1	702.9	688.8	677.5	660.6	652.1	652.1	646.4	652.1
12.5°	743.8	739.6	732.5	718.4	701.5	678.9	638.0	597.0	563.2	537.8	550.5
15°	772.1	770.6	760.8	733.9	711.4	642.2	539.2	433.3	376.9	351.4	347.2
17.5°	815.8	811.6	794.6	759.4	684.5	532.1	369.8	280.9	225.8	213.1	208.9
20°	856.7	855.3	818.6	773.5	616.8	388.1	241.4	184.9	169.4	170.8	168.0
22.5°	900.5	893.4	849.7	756.5	491.2	258.3	172.2	165.1	159.5	158.1	160.9
25°	949.9	924.5	880.7	718.4	361.3	177.8	162.3	156.7	151.0	149.6	149.6
27.5°	969.7	952.7	894.9	626.7	228.7	155.3	152.4	145.4	138.3	134.1	132.7
30°	1014.8	986.6	909.0	492.6	162.3	142.6	138.3	129.9	120.0	112.9	112.9
32.5°	1060.0	1026.1	910.4	344.4	135.5	128.4	121.4	110.1	97.4	90.3	91.7
35°	1116.4	1069.9	894.9	223.0	121.4	112.9	98.8	86.1	74.8	69.2	69.2
37.5°	1212.4	1168.7	831.3	146.8	110.1	96.0	81.9	67.7	57.9	53.6	53.6
40°	1333.8	1277.4	743.8	115.7	97.4	81.9	64.9	52.2	46.6	42.3	42.3
42.5°	1479.2	1408.6	614.0	103.0	86.1	67.7	50.8	40.9	35.3	35.3	33.9
45°	1624.6	1508.8	481.3	94.6	76.2	56.5	39.5	32.5	29.6	28.2	28.2
47.5°	1832.0	1630.2	344.4	86.1	66.3	43.8	32.5	26.8	24.0	22.6	24.0
50°	2031.1	1744.5	244.2	77.6	55.0	35.3	26.8	24.0	21.2	19.8	19.8
52.5°	2206.1	1823.6	170.8	67.7	46.6	29.6	24.0	21.2	19.8	18.3	18.3
55°	2302.1	1796.8	117.1	57.9	38.1	25.4	21.2	18.3	16.9	15.5	15.5
57.5°	2400.9	1722.0	88.9	48.0	31.1	24.0	19.8	16.9	15.5	14.1	14.1
60°	2484.1	1666.9	69.2	38.1	25.4	19.8	16.9	14.1	12.7	11.3	9.9
62.5°	2488.4	1556.8	50.8	28.2	19.8	16.9	14.1	11.3	7.1	5.6	4.2
65°	2505.3	1441.1	36.7	21.2	14.1	12.7	9.9	5.6	2.8	0.0	0.0
67.5°	2446.0	1304.2	29.6	15.5	9.9	7.1	4.2	1.4	0.0	0.0	0.0
70°	2204.7	1100.9	22.6	11.3	7.1	4.2	1.4	0.0	0.0	0.0	0.0
72.5°	1578.0	715.6	15.5	8.5	2.8	1.4	0.0	0.0	0.0	0.0	0.0
75°	841.2	304.9	11.3	5.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	263.9	77.6	7.1	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	57.9	21.2	4.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	19.8	8.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.1	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	1.4	1.4	0.0	0.0	0.0	0.0	0.0	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)