

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: P673267

Luminaire Tested: **CCP-SA-1F-740-U-T3-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673267  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1F-740-U-T3-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T3 distribution lens and House Side Shield  
Light Source: (16) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

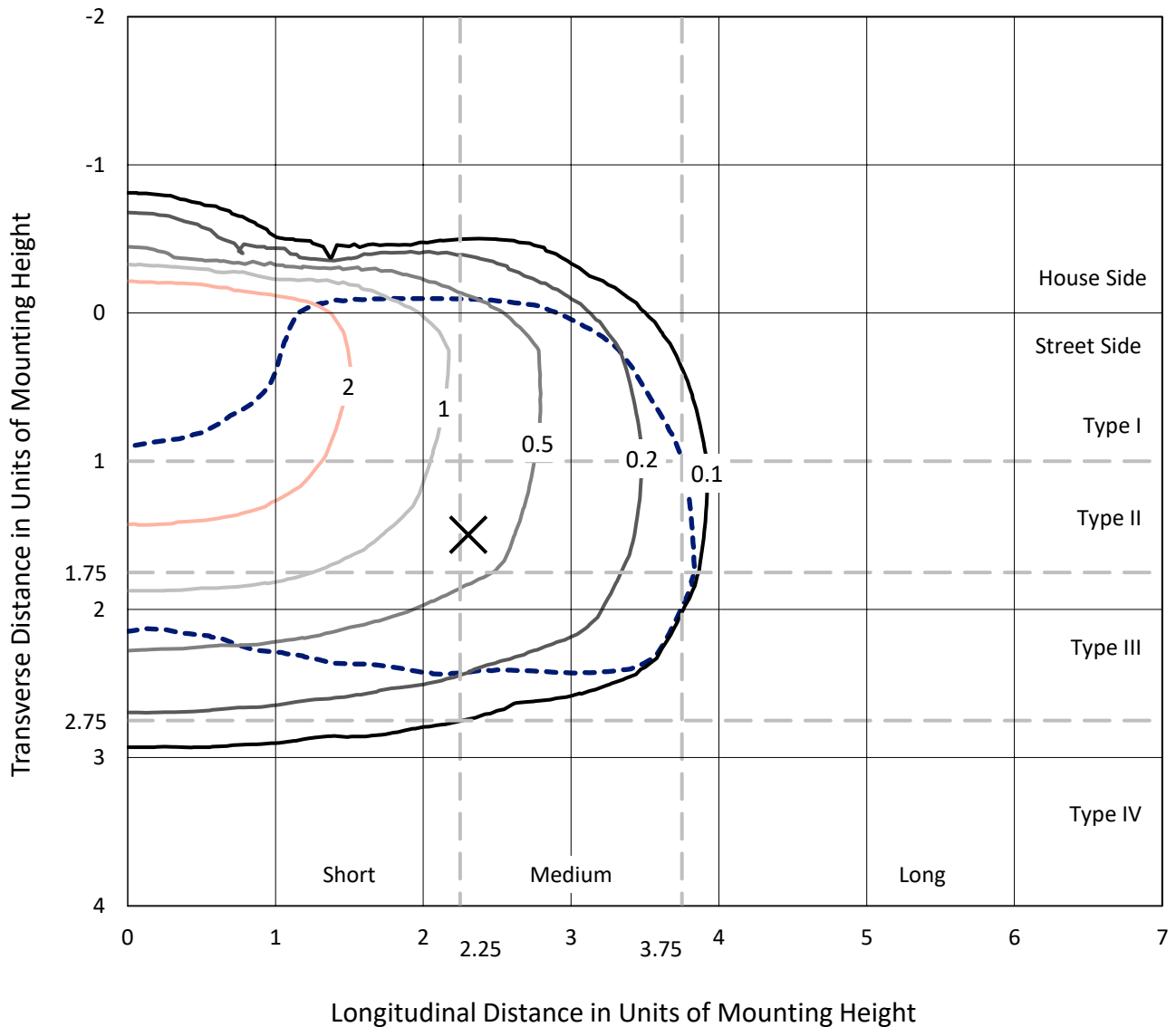
Lumens per Lamp: N/A  
Luminaire Lumens: 5401.4 lumens  
Efficiency: N/A  
Efficacy: 80.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

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

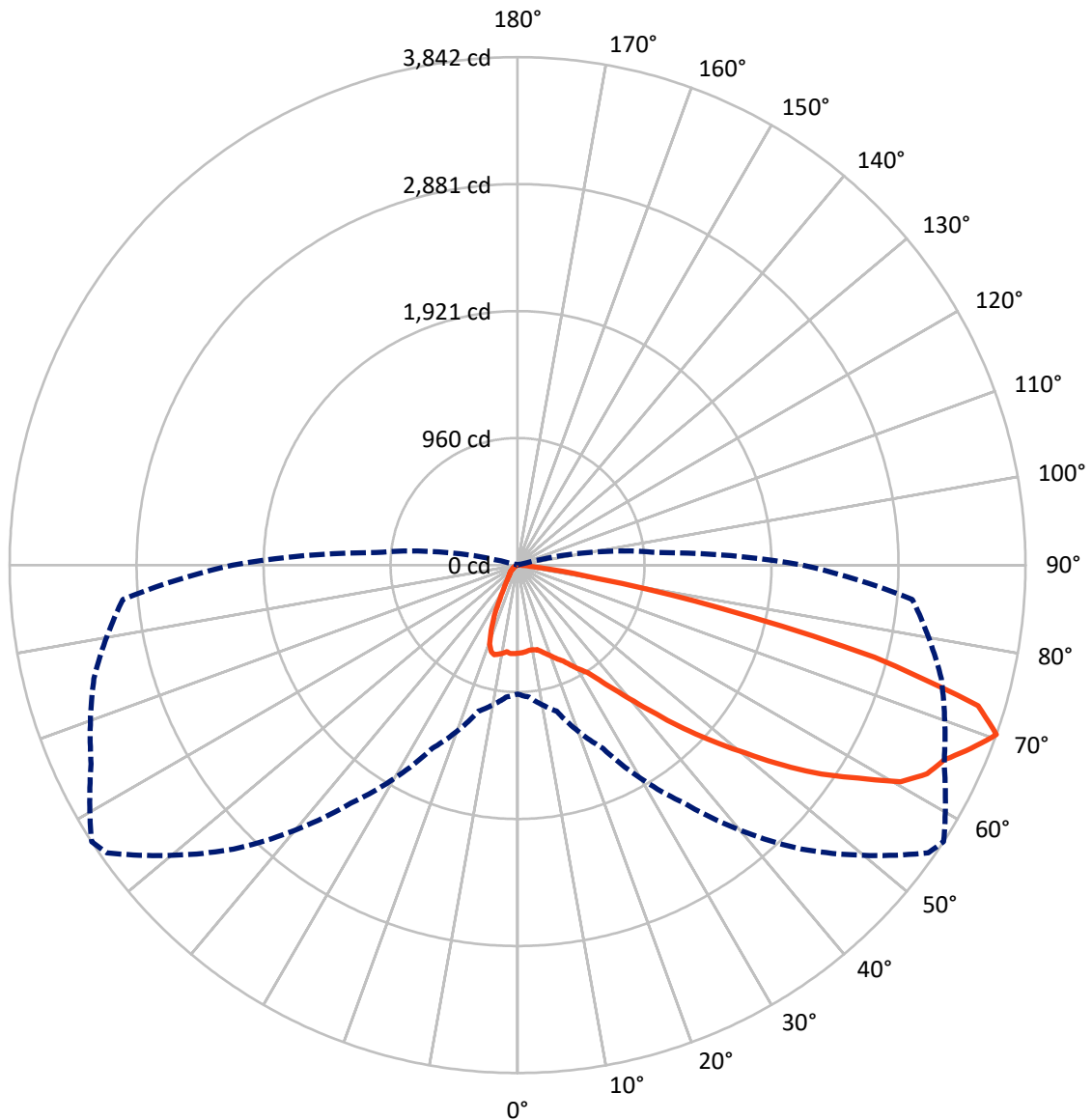
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 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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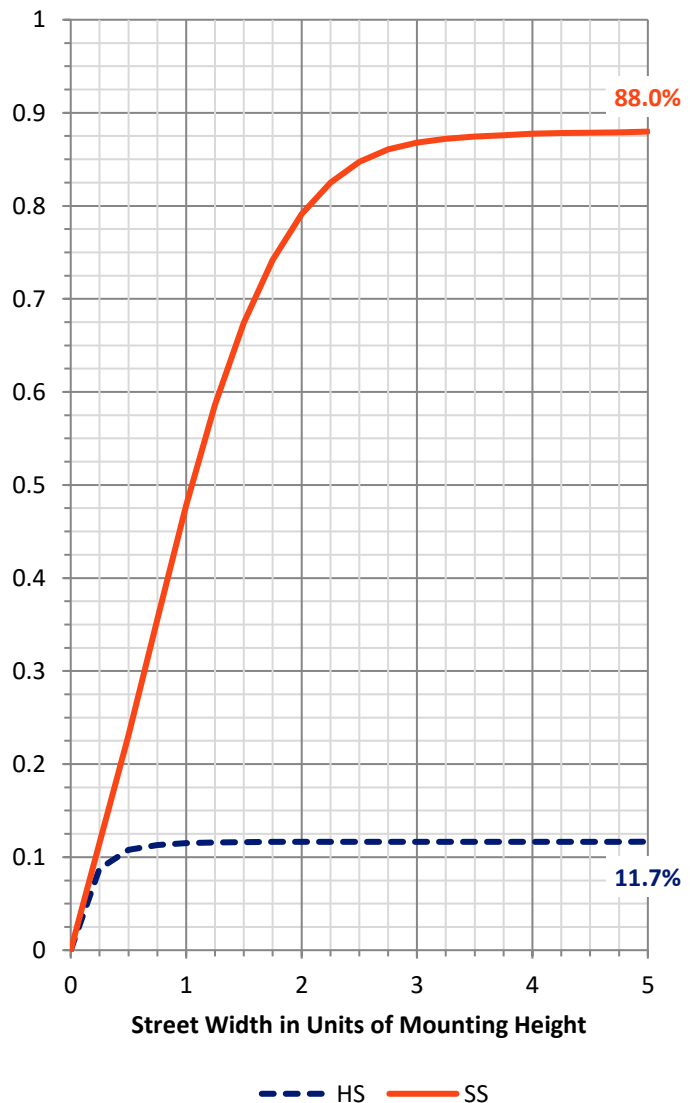
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	636.7	0.0	636.7
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	4764.7	0.0	4764.7
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	5401.4	0.0	5401.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.3	1.2
10°-20°	174.1	3.2
20°-30°	293.3	5.4
30°-40°	502.0	9.3
40°-50°	842.9	15.6
50°-60°	1293.8	24.0
60°-70°	1493.8	27.7
70°-80°	705.6	13.1
80°-90°	33.5	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°	5401.4	100.0
0°-180°	5401.4	100.0



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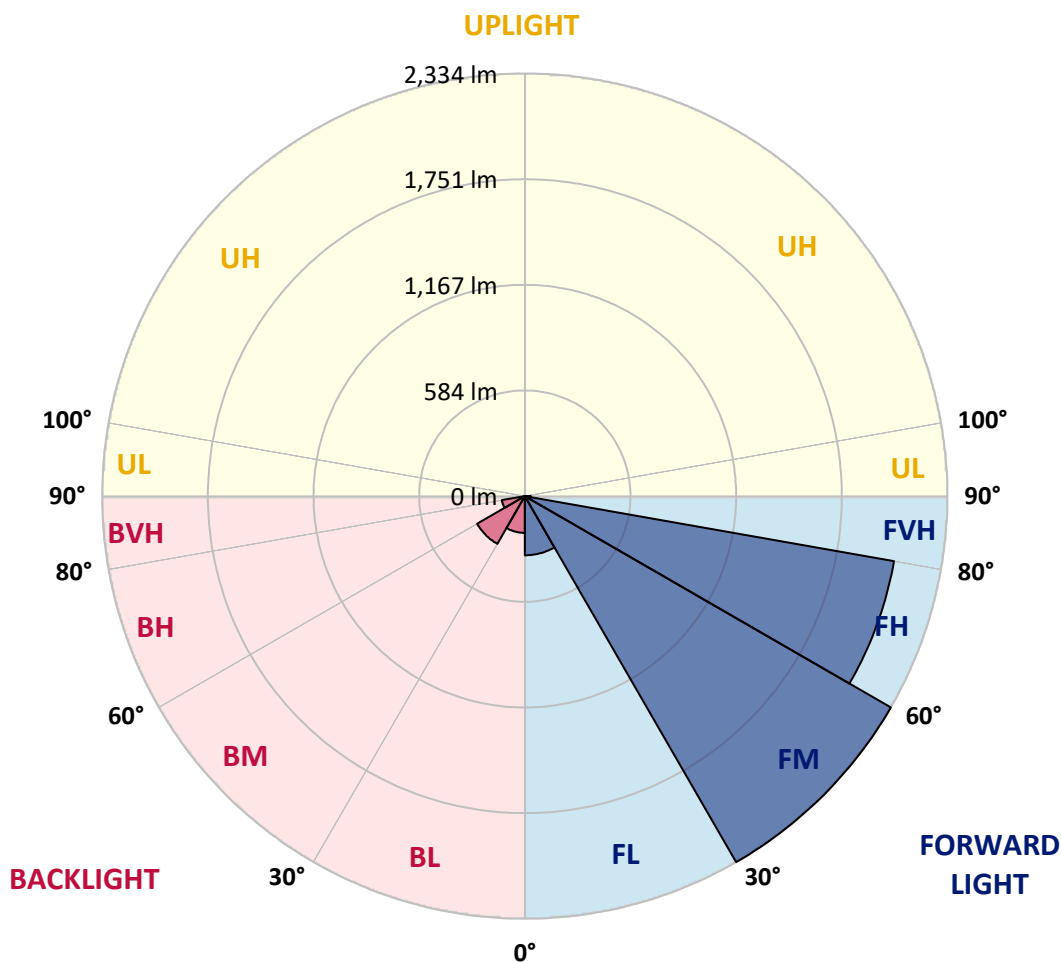
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	326.8	6.0			
FM (30°-60°)	2334.4	43.2			
FH (60°-80°)	2070.7	38.3			G2/5000
FVH (80°-90°)	32.9	0.6			G1/100
BL (0°-30°)	203.0	3.8	B1/500		
BM (30°-60°)	304.3	5.6	B1/1000		
BH (60°-80°)	128.8	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°	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5
2.5°	656.8	652.7	656.8	662.3	656.8	660.9	659.6	663.7	658.2	658.2	662.3
5°	614.0	620.9	623.7	630.6	637.5	649.9	658.2	658.2	666.5	670.6	676.1
7.5°	598.9	587.8	598.9	604.4	611.3	632.0	644.4	649.9	660.9	676.1	684.4
10°	576.8	585.1	585.1	603.0	612.6	625.1	647.1	651.3	676.1	691.3	699.6
12.5°	575.4	575.4	582.3	594.7	614.0	637.5	665.1	656.8	683.0	710.6	724.4
15°	579.5	589.2	589.2	605.8	620.9	654.0	677.5	678.9	716.1	743.7	756.2
17.5°	597.5	593.3	598.9	608.5	632.0	663.7	702.3	706.5	749.3	786.5	804.4
20°	634.7	641.6	633.3	627.8	637.5	678.9	728.6	736.8	785.1	821.0	838.9
22.5°	774.1	768.6	735.5	696.8	680.3	699.6	753.4	772.7	829.3	872.1	887.2
25°	931.4	921.7	883.1	825.1	749.3	741.0	803.1	803.1	884.5	931.4	927.3
27.5°	1080.4	1077.7	1032.1	971.4	863.8	804.4	843.1	858.3	946.6	985.2	967.3
30°	1232.2	1235.0	1193.6	1120.4	1007.3	906.6	899.7	912.1	993.5	1054.2	1016.9
32.5°	1408.8	1384.0	1355.0	1254.3	1150.8	1037.6	972.8	967.3	1045.9	1101.1	1051.4
35°	1566.1	1550.9	1519.2	1428.1	1309.5	1174.2	1083.2	1069.4	1112.2	1185.3	1131.5
37.5°	1704.1	1688.9	1647.5	1586.8	1494.4	1344.0	1215.6	1194.9	1212.9	1290.2	1225.3
40°	1822.8	1826.9	1815.9	1756.5	1671.0	1534.4	1386.7	1353.6	1338.4	1407.4	1334.3
42.5°	1908.3	1948.3	1951.1	1878.0	1809.0	1734.5	1568.9	1542.7	1506.8	1564.7	1513.7
45°	2087.7	2065.6	2079.4	2053.2	1977.3	1966.3	1778.6	1763.4	1713.8	1733.1	1679.3
47.5°	2228.4	2224.3	2250.5	2207.7	2187.0	2188.4	2017.3	1991.1	1920.7	1956.6	1895.9
50°	2309.9	2287.8	2383.0	2416.1	2412.0	2428.5	2258.8	2236.7	2169.1	2221.5	2091.8
52.5°	2329.2	2369.2	2458.9	2578.9	2630.0	2664.5	2522.4	2514.1	2440.9	2474.1	2294.7
55°	2377.5	2416.1	2468.5	2665.9	2854.9	2863.2	2781.8	2790.0	2725.2	2716.9	2487.9
57.5°	2376.1	2367.8	2512.7	2741.7	3003.9	3122.6	3078.4	3038.4	2968.0	2886.6	2612.0
60°	2289.2	2285.0	2435.4	2751.4	3085.3	3357.2	3375.1	3328.2	3151.6	3031.5	2758.3
62.5°	2116.7	2133.2	2285.0	2668.6	3162.6	3441.3	3507.6	3475.8	3256.4	3128.1	2930.8
65°	1919.4	1884.9	2061.5	2461.6	2988.7	3416.5	3560.0	3549.0	3380.6	3233.0	3089.5
67.5°	1539.9	1555.1	1690.3	2118.1	2692.1	3325.4	3682.8	3699.4	3480.0	3325.4	3137.8
70°	975.5	1003.1	1143.9	1530.2	2198.1	3038.4	3793.2	3841.5	3558.6	3317.1	2997.0
72.5°	284.2	295.3	487.1	763.1	1400.5	2436.8	3616.6	3641.4	3405.5	3010.8	2318.1
75°	93.8	99.3	143.5	248.4	549.2	1259.8	2671.4	2788.7	2710.0	2182.9	1326.0
77.5°	62.1	64.9	78.7	118.7	208.4	394.6	1432.3	1557.8	1527.5	1022.5	427.8
80°	45.5	46.9	58.0	80.0	126.9	142.1	528.5	611.3	590.6	234.6	85.6
82.5°	29.0	29.0	42.8	56.6	80.0	70.4	153.2	169.7	165.6	89.7	33.1
85°	19.3	20.7	31.7	44.2	44.2	33.1	44.2	51.1	55.2	48.3	15.2
87.5°	5.5	6.9	17.9	30.4	17.9	16.6	15.2	16.6	19.3	26.2	8.3
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°	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5
2.5°	666.5	672.0	670.6	673.4	669.2	665.1	669.2	669.2	669.2	665.1	662.3
5°	672.0	669.2	672.0	666.5	672.0	666.5	663.7	655.4	654.0	654.0	659.6
7.5°	680.3	683.0	670.6	670.6	658.2	660.9	654.0	655.4	652.7	648.5	645.8
10°	692.7	703.7	691.3	687.2	673.4	662.3	645.8	637.5	637.5	632.0	637.5
12.5°	727.2	723.0	716.1	702.3	685.8	663.7	623.7	583.7	550.6	525.7	538.1
15°	754.8	753.4	743.7	717.5	695.4	627.8	527.1	423.6	368.4	343.6	339.4
17.5°	797.5	793.4	776.9	742.4	669.2	520.2	361.5	274.6	220.8	208.4	204.2
20°	837.6	836.2	800.3	756.2	603.0	379.5	236.0	180.8	165.6	167.0	164.2
22.5°	880.3	873.4	830.7	739.6	480.2	252.5	168.3	161.4	155.9	154.5	157.3
25°	928.6	903.8	861.0	702.3	353.2	173.9	158.7	153.2	147.6	146.3	146.3
27.5°	948.0	931.4	874.8	612.6	223.5	151.8	149.0	142.1	135.2	131.1	129.7
30°	992.1	964.5	888.6	481.6	158.7	139.4	135.2	126.9	117.3	110.4	110.4
32.5°	1036.3	1003.1	890.0	336.7	132.5	125.6	118.7	107.6	95.2	88.3	89.7
35°	1091.5	1045.9	874.8	218.0	118.7	110.4	96.6	84.2	73.1	67.6	67.6
37.5°	1185.3	1142.5	812.7	143.5	107.6	93.8	80.0	66.2	56.6	52.4	52.4
40°	1304.0	1248.8	727.2	113.1	95.2	80.0	63.5	51.1	45.5	41.4	41.4
42.5°	1446.1	1377.1	600.2	100.7	84.2	66.2	49.7	40.0	34.5	34.5	33.1
45°	1588.2	1475.1	470.5	92.4	74.5	55.2	38.6	31.7	29.0	27.6	27.6
47.5°	1791.0	1593.7	336.7	84.2	64.9	42.8	31.7	26.2	23.5	22.1	23.5
50°	1985.6	1705.5	238.7	75.9	53.8	34.5	26.2	23.5	20.7	19.3	19.3
52.5°	2156.7	1782.8	167.0	66.2	45.5	29.0	23.5	20.7	19.3	17.9	17.9
55°	2250.5	1756.5	114.5	56.6	37.3	24.8	20.7	17.9	16.6	15.2	15.2
57.5°	2347.1	1683.4	86.9	46.9	30.4	23.5	19.3	16.6	15.2	13.8	13.8
60°	2428.5	1629.6	67.6	37.3	24.8	19.3	16.6	13.8	12.4	11.0	9.7
62.5°	2432.7	1522.0	49.7	27.6	19.3	16.6	13.8	11.0	6.9	5.5	4.1
65°	2449.2	1408.8	35.9	20.7	13.8	12.4	9.7	5.5	2.8	0.0	0.0
67.5°	2391.3	1275.0	29.0	15.2	9.7	6.9	4.1	1.4	0.0	0.0	0.0
70°	2155.3	1076.3	22.1	11.0	6.9	4.1	1.4	0.0	0.0	0.0	0.0
72.5°	1542.7	699.6	15.2	8.3	2.8	1.4	0.0	0.0	0.0	0.0	0.0
75°	822.4	298.0	11.0	5.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	258.0	75.9	6.9	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	56.6	20.7	4.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	19.3	8.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.9	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)