

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: P674843

Luminaire Tested: **CCW-SA-2D-740-U-T2**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674843  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2D-740-U-T2  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/  
T2 distribution lens  
Light Source: (32) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

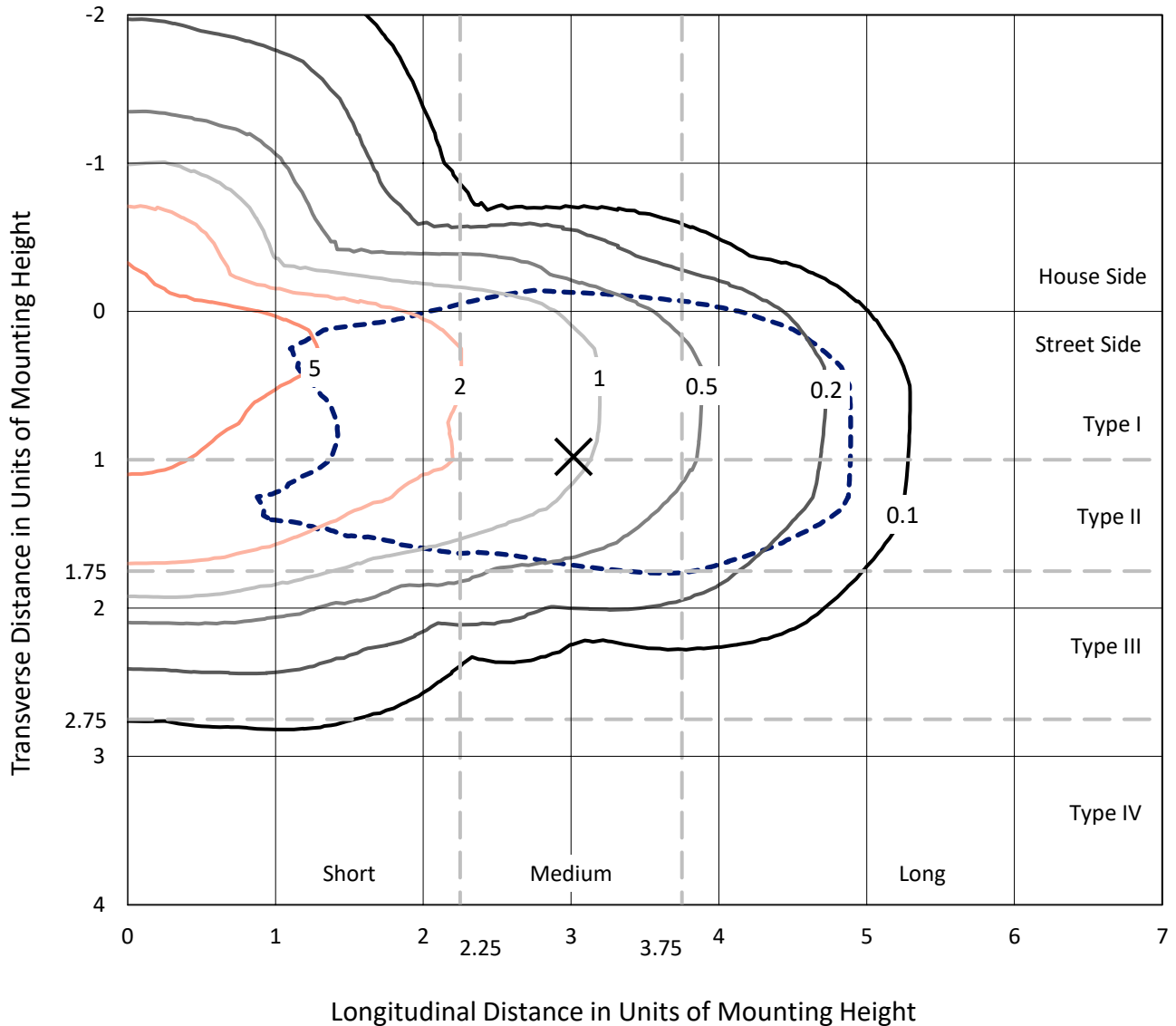
Lumens per Lamp: N/A  
Luminaire Lumens: 11124.9 lumens  
Efficiency: N/A  
Efficacy: 137.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 80.8  
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

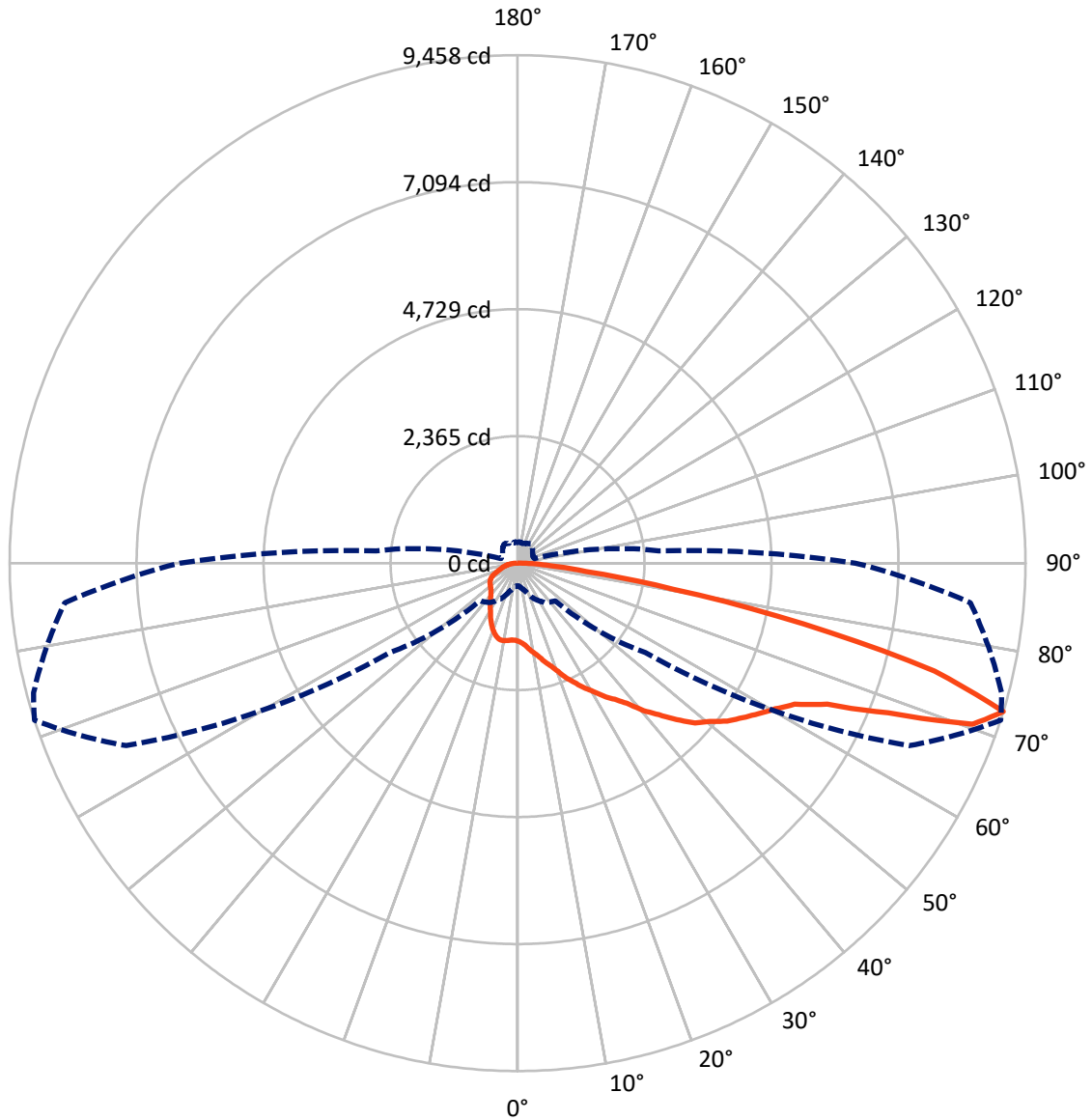
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.1 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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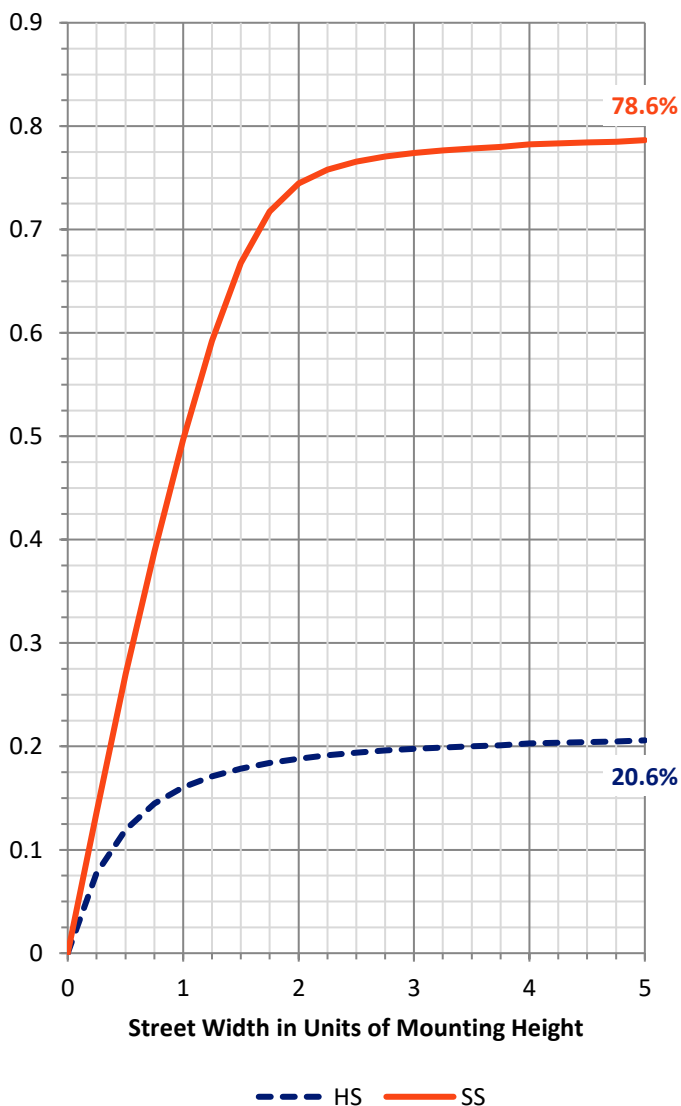
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2341.3	0.0	2341.3
	% Fixture	21.0	0.0	21.0
<b>Street Side</b>	Lumens	8783.6	0.0	8783.6
	% Fixture	79.0	0.0	79.0
<b>Total</b>	Lumens	11124.9	0.0	11124.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.7	1.3
10°-20°	446.4	4.0
20°-30°	772.5	6.9
30°-40°	1141.1	10.3
40°-50°	1696.9	15.3
50°-60°	2326.3	20.9
60°-70°	2523.4	22.7
70°-80°	1779.0	16.0
80°-90°	295.6	2.7
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°	11124.9	100.0
0°-180°	11124.9	100.0

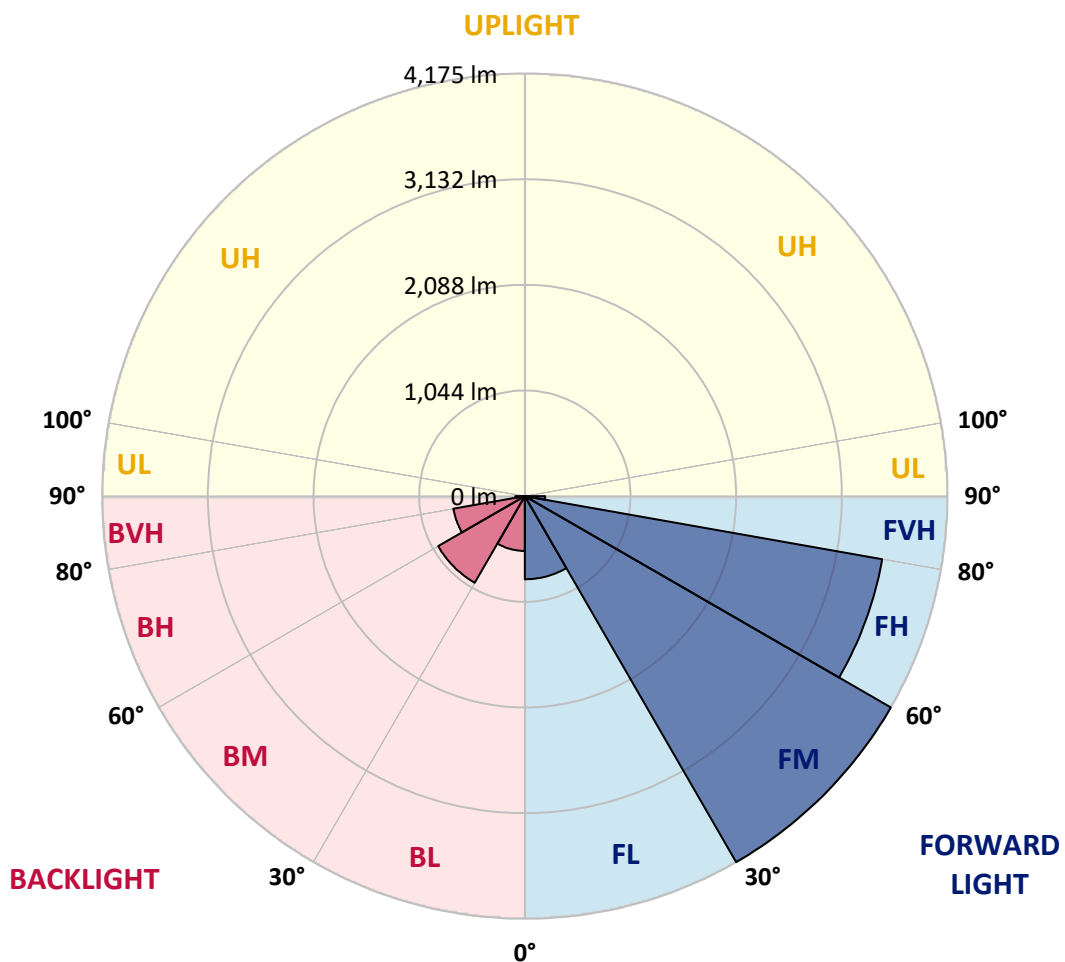


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	821.5	7.4			
FM (30°-60°)	4175.4	37.5			
FH (60°-80°)	3585.2	32.2			G2/5000
FVH (80°-90°)	201.5	1.8			G2/225
BL (0°-30°)	541.1	4.9	B2/1000		
BM (30°-60°)	988.9	8.9	B1/1000		
BH (60°-80°)	717.2	6.4	B2/1000		G2/1000
BVH (80°-90°)	94.1	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1453.2	1453.2	1453.2	1453.2	1453.2	1453.2	1453.2	1453.2	1453.2	1453.2	1453.2
2.5°	1568.2	1568.2	1555.9	1551.8	1551.8	1518.9	1523.0	1502.5	1486.1	1486.1	1469.6
5°	1650.3	1642.1	1642.1	1642.1	1621.5	1609.2	1605.1	1568.2	1539.4	1543.5	1494.3
7.5°	1670.8	1674.9	1679.0	1699.5	1687.2	1695.4	1687.2	1646.2	1625.6	1605.1	1560.0
10°	1683.1	1691.3	1691.3	1720.1	1720.1	1740.6	1752.9	1736.5	1699.5	1679.0	1605.1
12.5°	1711.9	1699.5	1716.0	1736.5	1757.0	1794.0	1830.9	1814.5	1789.9	1765.2	1683.1
15°	1711.9	1716.0	1728.3	1761.1	1794.0	1830.9	1896.6	1921.2	1908.9	1863.7	1777.5
17.5°	1662.6	1650.3	1707.7	1769.3	1830.9	1876.1	1962.3	2019.7	2011.5	1995.1	1863.7
20°	1666.7	1679.0	1699.5	1752.9	1851.4	1933.5	2040.3	2134.7	2155.2	2147.0	1978.7
22.5°	1740.6	1744.7	1765.2	1789.9	1867.9	1974.6	2134.7	2286.6	2323.5	2303.0	2106.0
25°	1814.5	1847.3	1847.3	1863.7	1892.5	2003.3	2196.3	2409.7	2463.1	2467.2	2237.3
27.5°	1933.5	1941.7	1966.4	1974.6	1999.2	2064.9	2266.1	2500.0	2623.2	2606.8	2356.4
30°	2073.1	2077.2	2093.6	2085.4	2089.5	2171.6	2331.7	2602.7	2771.0	2775.1	2483.6
32.5°	2237.3	2270.2	2278.4	2225.0	2233.2	2253.7	2434.4	2725.8	2955.7	2927.0	2594.5
35°	2479.5	2491.8	2467.2	2442.6	2381.0	2368.7	2541.1	2849.0	3115.8	3148.7	2758.7
37.5°	2779.2	2812.0	2779.2	2647.8	2582.1	2532.9	2672.5	2984.5	3308.8	3419.6	2922.9
40°	3058.3	3054.2	3021.4	2902.4	2787.4	2750.5	2861.3	3173.3	3608.4	3715.2	3161.0
42.5°	3284.1	3271.8	3251.3	3161.0	3054.2	2992.7	3078.9	3370.3	3858.9	4064.1	3436.0
45°	3481.2	3464.8	3468.9	3366.2	3263.6	3296.4	3296.4	3596.1	4154.4	4408.9	3752.1
47.5°	3665.9	3674.1	3661.8	3583.8	3505.8	3592.0	3546.9	3854.8	4445.9	4729.2	4019.0
50°	3879.4	3895.8	3854.8	3805.5	3735.7	3821.9	3764.4	4097.0	4634.7	5020.6	4339.2
52.5°	4080.5	4097.0	4133.9	4072.3	4002.5	4072.3	3941.0	4322.7	4885.1	5303.9	4585.5
55°	4129.8	4121.6	4326.8	4392.5	4429.5	4220.1	4097.0	4515.7	5082.2	5484.5	4864.6
57.5°	3904.0	3924.5	4203.7	4392.5	4786.6	4606.0	4273.5	4741.5	5287.5	5722.6	5123.2
60°	3341.6	3353.9	3702.9	4150.3	4725.0	4967.3	4749.7	5032.9	5513.2	5923.8	5414.7
62.5°	2233.2	2327.6	2762.8	3464.8	4289.9	5065.8	5509.1	5525.6	5788.3	6178.3	5812.9
65°	1178.2	1223.3	1564.1	2130.6	3251.3	4725.0	6223.4	6502.6	6338.4	6646.3	6387.6
67.5°	771.8	788.2	972.9	1293.1	1876.1	3448.3	6305.5	8198.0	7442.7	7537.1	7307.2
70°	574.7	582.9	718.4	956.5	1161.8	1843.2	5168.4	8990.3	8986.2	8735.8	8399.2
72.5°	422.8	435.1	529.6	730.7	894.9	993.5	2906.5	8042.0	9458.3	9331.0	8464.9
75°	332.5	340.7	390.0	566.5	722.5	652.7	1473.8	5956.6	8021.5	8633.2	7746.4
77.5°	270.9	279.2	307.9	410.5	578.8	504.9	706.1	3842.4	5439.3	6215.2	5927.9
80°	225.8	225.8	246.3	291.5	447.5	381.8	418.7	2159.3	2931.1	3234.9	2688.9
82.5°	192.9	188.8	205.3	213.5	332.5	275.0	270.9	977.0	1289.0	1367.0	1009.9
85°	123.2	127.3	192.9	184.7	217.6	188.8	151.9	463.9	607.6	619.9	377.7
87.5°	49.3	49.3	82.1	102.6	123.2	114.9	73.9	209.4	266.8	266.8	106.7
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°	1453.2	1453.2	1453.2	1453.2	1453.2	1453.2	1453.2	1453.2	1453.2	1453.2	1453.2
2.5°	1465.5	1449.1	1436.8	1428.6	1408.1	1387.5	1391.7	1387.5	1371.1	1362.9	1362.9
5°	1482.0	1465.5	1445.0	1412.2	1391.7	1367.0	1375.2	1358.8	1342.4	1354.7	1334.2
7.5°	1523.0	1494.3	1465.5	1416.3	1383.4	1346.5	1330.1	1321.9	1309.5	1301.3	1301.3
10°	1580.5	1539.4	1486.1	1412.2	1358.8	1301.3	1293.1	1276.7	1264.4	1264.4	1260.3
12.5°	1638.0	1592.8	1502.5	1383.4	1293.1	1252.1	1248.0	1252.1	1260.3	1264.4	1268.5
15°	1711.9	1638.0	1498.4	1330.1	1239.8	1223.3	1243.9	1260.3	1276.7	1293.1	1289.0
17.5°	1781.6	1695.4	1461.4	1264.4	1194.6	1198.7	1235.7	1268.5	1301.3	1317.8	1321.9
20°	1876.1	1748.8	1408.1	1186.4	1149.4	1186.4	1235.7	1276.7	1313.7	1334.2	1338.3
22.5°	1982.8	1810.4	1338.3	1116.6	1112.5	1149.4	1198.7	1260.3	1301.3	1338.3	1334.2
25°	2077.2	1851.4	1248.0	1059.1	1067.3	1092.0	1149.4	1215.1	1256.2	1297.2	1284.9
27.5°	2138.8	1859.6	1153.6	1018.1	1018.1	1042.7	1096.1	1137.1	1174.1	1206.9	1211.0
30°	2208.6	1843.2	1046.8	964.7	964.7	997.6	1018.1	1042.7	1063.2	1071.4	1079.7
32.5°	2290.7	1806.3	981.1	923.7	923.7	948.3	960.6	952.4	948.3	927.8	940.1
35°	2368.7	1752.9	907.2	870.3	886.7	899.0	894.9	870.3	845.7	808.7	796.4
37.5°	2463.1	1699.5	841.6	812.8	841.6	845.7	845.7	816.9	784.1	738.9	738.9
40°	2606.8	1658.5	788.2	775.9	804.6	800.5	780.0	759.5	771.8	747.1	747.1
42.5°	2758.7	1642.1	738.9	743.0	755.4	759.5	738.9	714.3	763.6	734.8	738.9
45°	2947.5	1654.4	706.1	702.0	730.7	726.6	714.3	693.8	710.2	636.3	615.8
47.5°	3124.0	1679.0	689.7	673.2	706.1	714.3	697.9	652.7	628.1	582.9	574.7
50°	3284.1	1732.4	673.2	640.4	673.2	689.7	660.9	611.7	582.9	554.2	554.2
52.5°	3436.0	1810.4	665.0	603.5	632.2	652.7	636.3	587.0	554.2	541.9	529.6
55°	3592.0	1880.2	652.7	578.8	587.0	628.1	624.0	558.3	525.5	525.5	521.4
57.5°	3813.7	1974.6	636.3	537.8	554.2	599.4	599.4	546.0	509.0	513.1	517.3
60°	4039.5	2085.4	619.9	496.7	509.0	570.6	578.8	529.6	496.7	500.8	496.7
62.5°	4400.7	2290.7	587.0	447.5	472.1	533.7	554.2	509.0	480.3	488.5	488.5
65°	4946.7	2643.7	517.3	406.4	435.1	500.8	529.6	488.5	455.7	480.3	472.1
67.5°	5825.2	3128.1	435.1	373.6	410.5	468.0	500.8	463.9	435.1	472.1	459.8
70°	6613.4	3366.2	373.6	344.8	373.6	431.0	468.0	439.3	410.5	447.5	431.0
72.5°	6293.2	2639.6	324.3	312.0	340.7	390.0	435.1	406.4	377.7	398.2	381.8
75°	5431.1	2101.8	283.3	279.2	303.8	353.0	398.2	377.7	348.9	357.1	348.9
77.5°	4117.5	1736.5	242.2	238.1	258.6	316.1	357.1	340.7	312.0	307.9	307.9
80°	1839.1	853.9	201.2	201.2	213.5	270.9	303.8	295.6	266.8	262.7	258.6
82.5°	603.5	324.3	164.2	156.0	172.4	225.8	270.9	262.7	234.0	225.8	217.6
85°	242.2	156.0	119.0	119.0	135.5	188.8	242.2	225.8	188.8	168.3	168.3
87.5°	82.1	65.7	61.6	61.6	86.2	127.3	180.6	151.9	135.5	119.0	123.2
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)