

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: P674984

Luminaire Tested: **CCW-SA-2A-740-U-T3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674984  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2A-740-U-T3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/  
T3 distribution lens  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

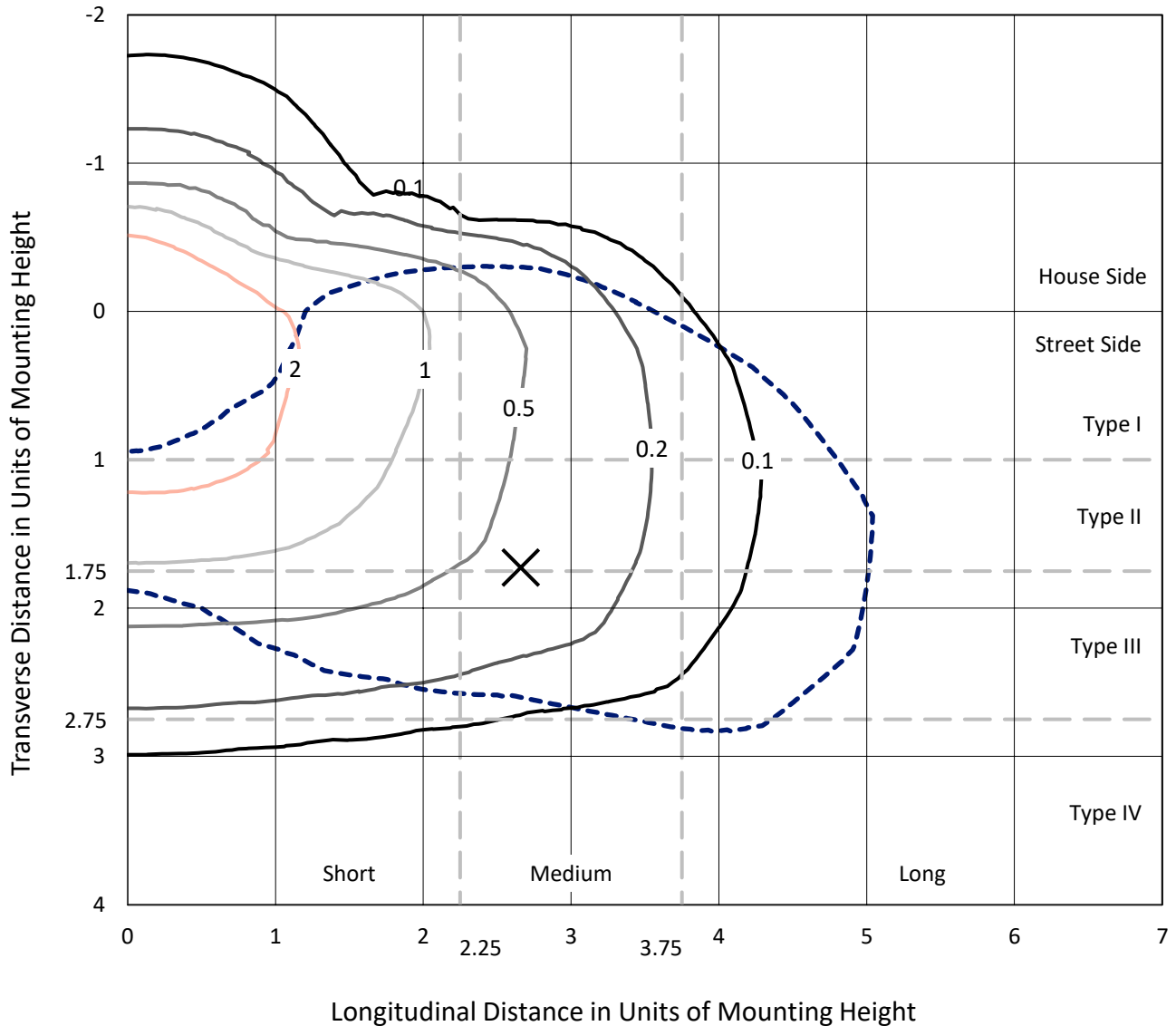
Lumens per Lamp: N/A  
Luminaire Lumens: 5528.5 lumens  
Efficiency: N/A  
Efficacy: 152.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 36.2  
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

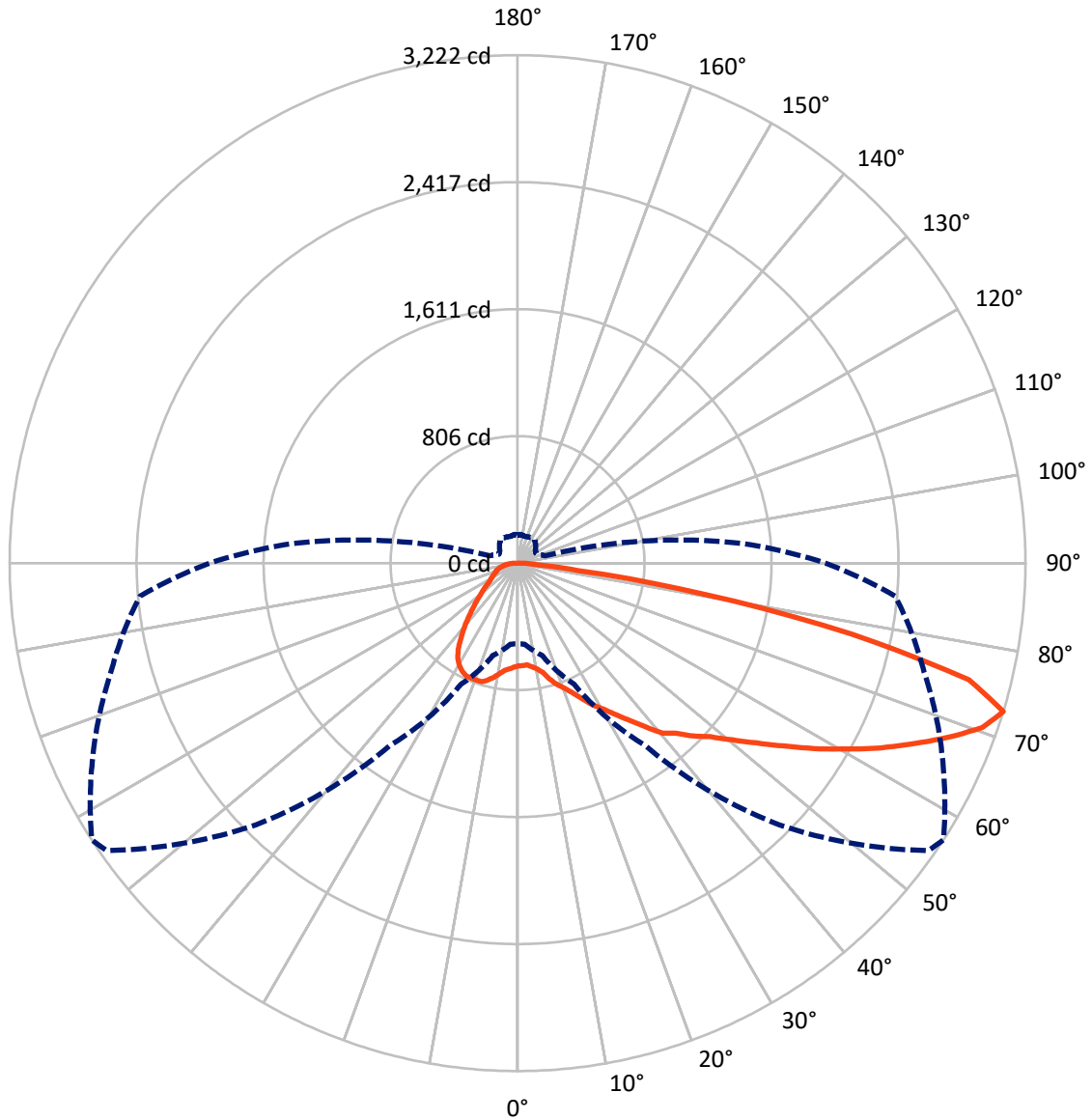
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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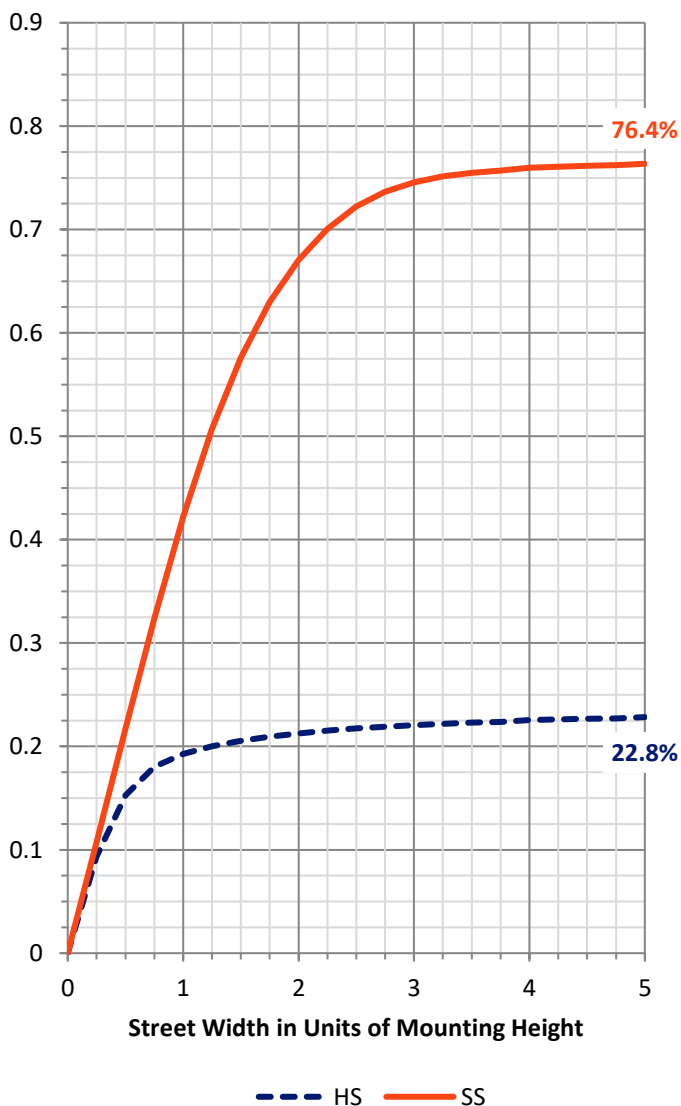
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1291.1	0.0	1291.1
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	4237.4	0.0	4237.4
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	5528.5	0.0	5528.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.8	1.2
10°-20°	218.3	3.9
20°-30°	399.1	7.2
30°-40°	585.5	10.6
40°-50°	806.1	14.6
50°-60°	1105.4	20.0
60°-70°	1332.5	24.1
70°-80°	887.6	16.1
80°-90°	129.3	2.3
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°	5528.5	100.0
0°-180°	5528.5	100.0



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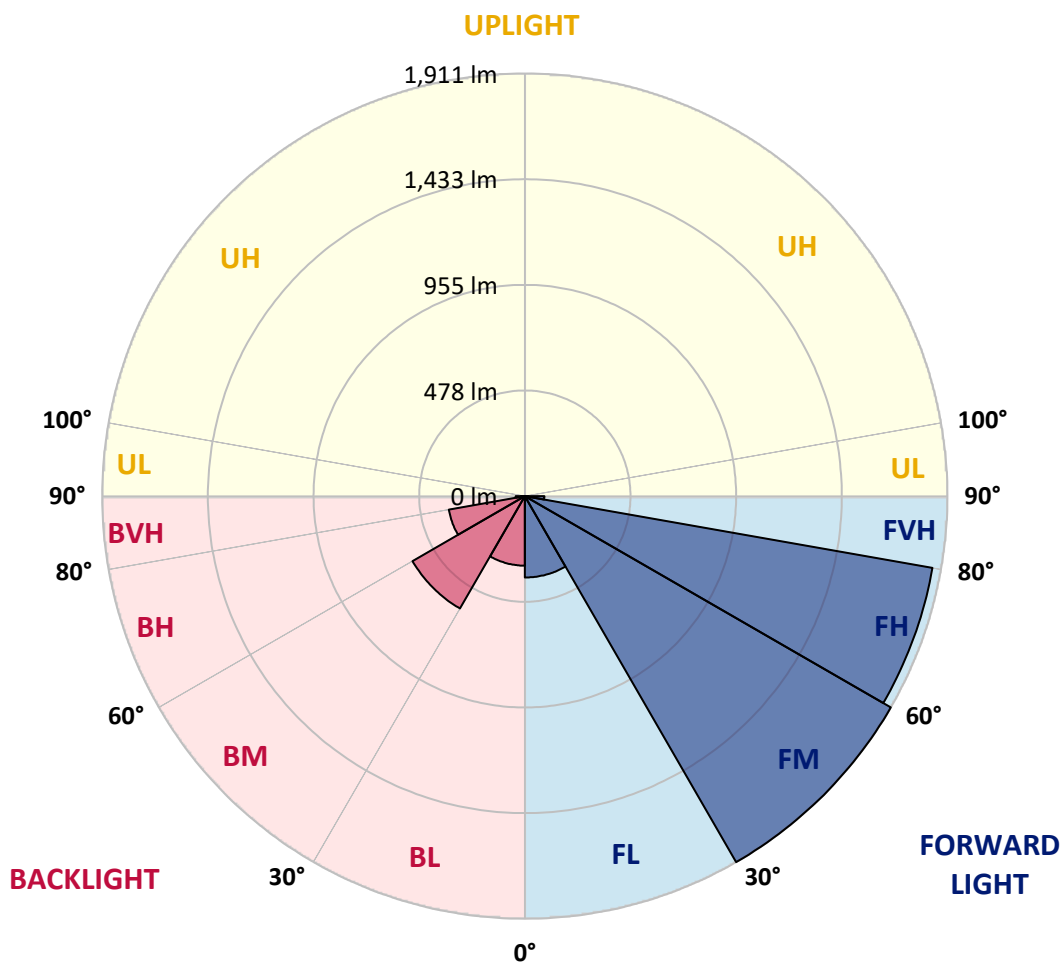
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	367.8	6.7			
FM (30°-60°)	1910.5	34.6			
FH (60°-80°)	1871.0	33.8			G2/5000
FVH (80°-90°)	88.0	1.6			G1/100
BL (0°-30°)	314.3	5.7	B1/500		
BM (30°-60°)	586.4	10.6	B1/1000		
BH (60°-80°)	349.1	6.3	B1/500		G1/500
BVH (80°-90°)	41.2	0.7			G1/100
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°	652.5	652.5	652.5	652.5	652.5	652.5	652.5	652.5	652.5	652.5	652.5
2.5°	640.4	642.5	646.5	644.5	644.5	638.4	648.5	650.5	646.5	648.5	652.5
5°	640.4	644.5	650.5	646.5	648.5	646.5	642.5	648.5	648.5	650.5	656.6
7.5°	674.7	672.7	672.7	666.6	664.6	662.6	664.6	664.6	660.6	662.6	662.6
10°	713.0	713.0	708.9	708.9	704.9	694.8	684.8	682.7	676.7	678.7	678.7
12.5°	753.2	757.3	761.3	749.2	745.2	729.1	723.0	710.9	710.9	706.9	704.9
15°	803.6	797.5	801.6	797.5	787.5	771.4	761.3	763.3	749.2	745.2	739.1
17.5°	847.9	849.9	843.9	839.8	821.7	809.6	811.6	809.6	791.5	785.5	775.4
20°	900.3	898.2	898.2	886.2	870.0	853.9	847.9	845.9	849.9	837.8	813.7
22.5°	954.6	946.6	946.6	936.5	914.4	904.3	900.3	892.2	896.2	886.2	849.9
25°	998.9	998.9	1013.0	992.9	980.8	960.7	952.6	954.6	956.6	936.5	894.2
27.5°	1057.3	1047.3	1061.4	1051.3	1045.3	1023.1	1013.0	1019.1	1015.1	992.9	934.5
30°	1131.9	1133.9	1125.8	1111.7	1103.7	1087.6	1081.5	1075.5	1081.5	1053.3	978.8
32.5°	1224.5	1230.5	1210.4	1194.3	1180.2	1164.1	1152.0	1146.0	1152.0	1109.7	1013.0
35°	1331.2	1337.3	1321.2	1303.1	1286.9	1246.7	1236.6	1226.5	1204.4	1135.9	1045.3
37.5°	1429.9	1421.9	1417.9	1417.9	1387.6	1329.2	1323.2	1317.2	1274.9	1188.3	1089.6
40°	1496.4	1506.5	1502.4	1498.4	1494.4	1440.0	1427.9	1417.9	1347.4	1266.8	1152.0
42.5°	1570.9	1564.9	1581.0	1587.0	1572.9	1556.8	1508.5	1474.2	1411.8	1347.4	1244.6
45°	1659.5	1655.5	1661.5	1683.7	1663.6	1669.6	1589.0	1564.9	1486.3	1448.1	1361.5
47.5°	1738.1	1748.1	1778.4	1784.4	1768.3	1796.5	1683.7	1645.4	1595.1	1564.9	1482.3
50°	1772.3	1784.4	1852.9	1895.2	1897.2	1941.5	1778.4	1762.2	1693.8	1705.9	1633.3
52.5°	1744.1	1782.4	1865.0	1975.7	2044.2	2088.5	1903.2	1895.2	1832.7	1871.0	1798.5
55°	1770.3	1806.6	1860.9	2016.0	2189.2	2199.3	2076.4	2046.2	1983.8	2036.1	1969.7
57.5°	1782.4	1762.2	1865.0	2060.3	2296.0	2322.1	2241.6	2219.4	2171.1	2221.4	2183.2
60°	1687.7	1711.9	1808.6	2048.2	2302.0	2453.0	2426.9	2394.6	2350.3	2396.7	2374.5
62.5°	1581.0	1597.1	1701.8	1975.7	2336.2	2547.7	2606.1	2581.9	2519.5	2559.8	2598.0
65°	1446.0	1448.1	1564.9	1846.8	2269.8	2602.1	2763.2	2761.2	2716.9	2706.8	2767.2
67.5°	1280.9	1297.0	1389.7	1709.9	2179.1	2662.5	2918.3	2948.5	2859.9	2781.3	2803.5
70°	982.8	998.9	1087.6	1401.7	1993.9	2644.4	3109.6	3125.7	2952.5	2753.1	2696.7
72.5°	511.6	515.6	606.2	845.9	1413.8	2348.3	3180.1	3222.4	2976.7	2670.6	2404.7
75°	169.2	169.2	207.4	322.2	666.6	1502.4	2880.0	2956.5	2857.9	2465.1	1967.7
77.5°	100.7	102.7	122.9	161.1	265.8	600.2	2030.1	2165.0	2338.2	2096.6	1438.0
80°	72.5	74.5	92.6	110.8	159.1	193.3	1019.1	1206.4	1436.0	1349.4	767.3
82.5°	54.4	54.4	72.5	82.6	108.8	114.8	284.0	388.7	620.3	483.4	211.5
85°	56.4	56.4	56.4	58.4	74.5	66.5	118.8	126.9	181.3	159.1	58.4
87.5°	20.1	22.2	56.4	38.3	38.3	28.2	46.3	50.3	64.4	66.5	22.2
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°	652.5	652.5	652.5	652.5	652.5	652.5	652.5	652.5	652.5	652.5	652.5
2.5°	654.5	654.5	656.6	656.6	660.6	664.6	670.7	666.6	666.6	668.6	666.6
5°	652.5	654.5	660.6	670.7	674.7	676.7	688.8	688.8	688.8	692.8	692.8
7.5°	660.6	664.6	674.7	684.8	686.8	692.8	708.9	713.0	723.0	727.1	729.1
10°	680.7	686.8	694.8	706.9	715.0	723.0	735.1	749.2	747.2	759.3	761.3
12.5°	710.9	708.9	723.0	735.1	743.2	755.2	759.3	759.3	759.3	759.3	763.3
15°	735.1	739.1	751.2	759.3	769.3	767.3	759.3	751.2	753.2	751.2	751.2
17.5°	771.4	771.4	781.4	783.4	787.5	767.3	755.2	755.2	761.3	761.3	757.3
20°	807.6	805.6	809.6	807.6	781.4	757.3	755.2	757.3	759.3	757.3	755.2
22.5°	841.8	837.8	831.8	823.7	777.4	755.2	751.2	741.1	731.1	731.1	725.0
25°	872.1	868.0	851.9	827.8	775.4	743.2	723.0	698.9	686.8	680.7	688.8
27.5°	900.3	892.2	870.0	827.8	757.3	710.9	672.7	642.5	632.4	624.3	632.4
30°	938.5	924.4	894.2	821.7	729.1	660.6	608.2	572.0	561.9	549.8	553.8
32.5°	972.8	940.5	914.4	803.6	692.8	604.2	543.8	507.5	489.4	479.3	487.4
35°	1009.0	976.8	922.4	775.4	636.4	535.7	475.3	441.1	427.0	412.9	412.9
37.5°	1045.3	1027.1	934.5	723.0	567.9	471.3	416.9	390.7	366.5	340.4	340.4
40°	1121.8	1097.6	948.6	662.6	499.5	408.8	370.6	336.3	312.2	275.9	273.9
42.5°	1202.4	1150.0	948.6	590.1	439.1	364.5	328.3	292.0	247.7	225.6	227.6
45°	1305.1	1244.6	922.4	525.7	378.6	328.3	288.0	241.7	221.5	207.4	207.4
47.5°	1434.0	1339.3	890.2	455.2	330.3	296.1	245.7	217.5	203.4	191.3	189.3
50°	1587.0	1425.9	849.9	394.7	290.0	265.8	223.6	201.4	189.3	181.3	181.3
52.5°	1748.1	1552.8	821.7	340.4	257.8	225.6	207.4	193.3	183.3	177.2	175.2
55°	1911.3	1679.7	801.6	282.0	227.6	207.4	203.4	191.3	187.3	181.3	177.2
57.5°	2094.6	1784.4	797.5	241.7	203.4	199.4	207.4	197.4	191.3	185.3	179.2
60°	2291.9	1925.4	761.3	209.5	191.3	195.4	201.4	191.3	187.3	181.3	177.2
62.5°	2487.3	2030.1	662.6	185.3	179.2	183.3	191.3	183.3	177.2	179.2	181.3
65°	2567.8	2038.2	513.6	167.2	165.1	167.2	179.2	177.2	171.2	183.3	183.3
67.5°	2487.3	1965.7	362.5	151.0	151.0	161.1	181.3	185.3	179.2	195.4	193.3
70°	2304.0	1786.4	245.7	141.0	145.0	171.2	187.3	183.3	175.2	195.4	191.3
72.5°	1955.6	1429.9	179.2	130.9	137.0	163.1	185.3	181.3	175.2	183.3	175.2
75°	1468.2	1017.1	141.0	118.8	120.8	147.0	191.3	181.3	165.1	161.1	155.1
77.5°	980.8	628.4	108.8	104.7	104.7	128.9	183.3	169.2	149.0	143.0	141.0
80°	467.2	251.7	86.6	88.6	90.6	110.8	167.2	151.0	134.9	126.9	126.9
82.5°	149.0	94.7	72.5	72.5	72.5	90.6	139.0	126.9	116.8	110.8	100.7
85°	52.4	52.4	62.4	64.4	58.4	66.5	114.8	108.8	96.7	80.6	78.5
87.5°	20.1	30.2	42.3	50.3	36.3	46.3	82.6	76.5	70.5	52.4	50.3
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)