

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: P674821

Luminaire Tested: **CCW-SA-2D-730-U-T2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674821
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-730-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T2 distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

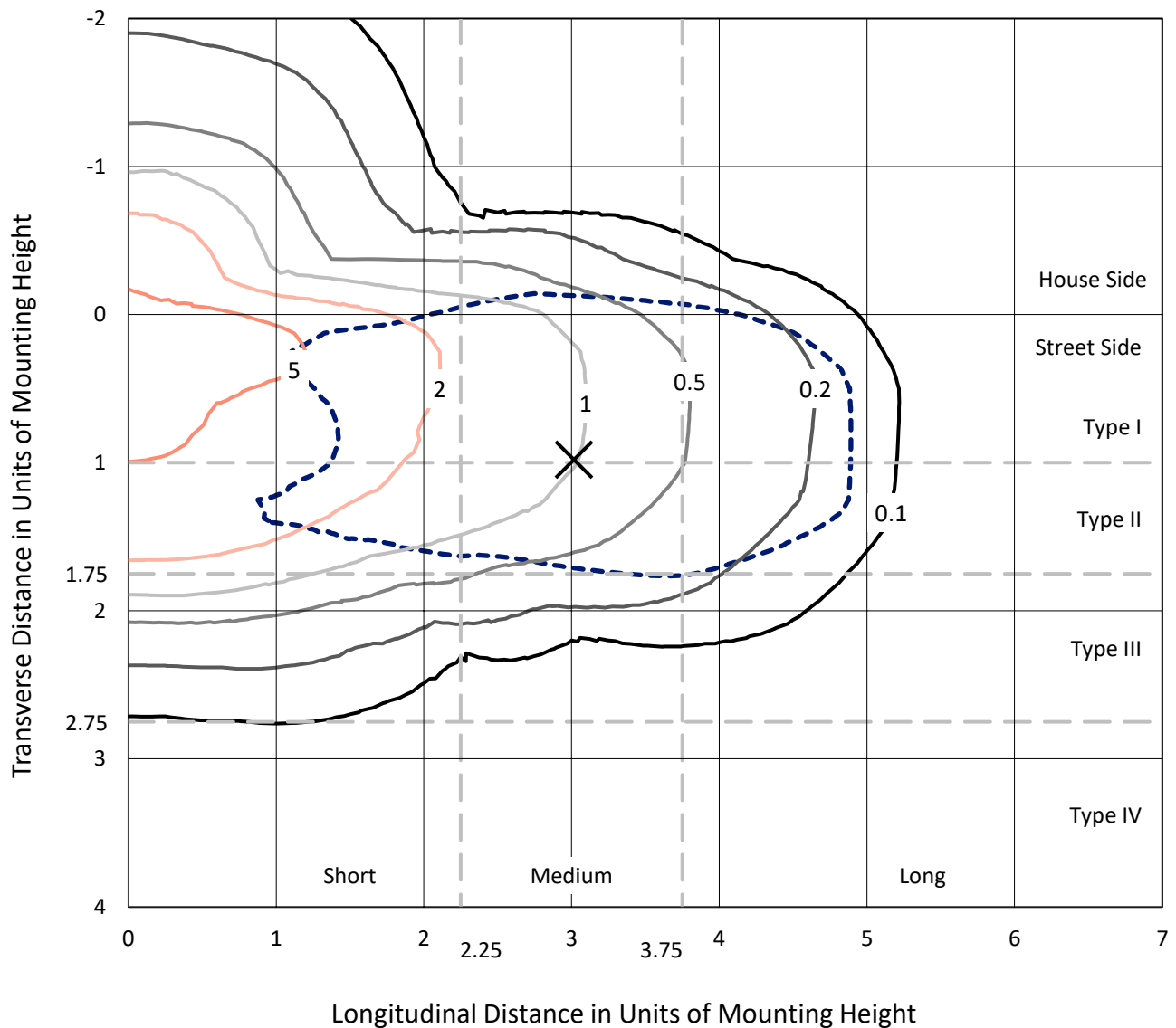
Lumens per Lamp: N/A
Luminaire Lumens: 10130.4 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

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

REPORT NUMBER: P674821
 CATALOG NUMBER: CCW-SA-2D-730-U-T2

Iso-Footcandle Lines of Horizontal Illumination

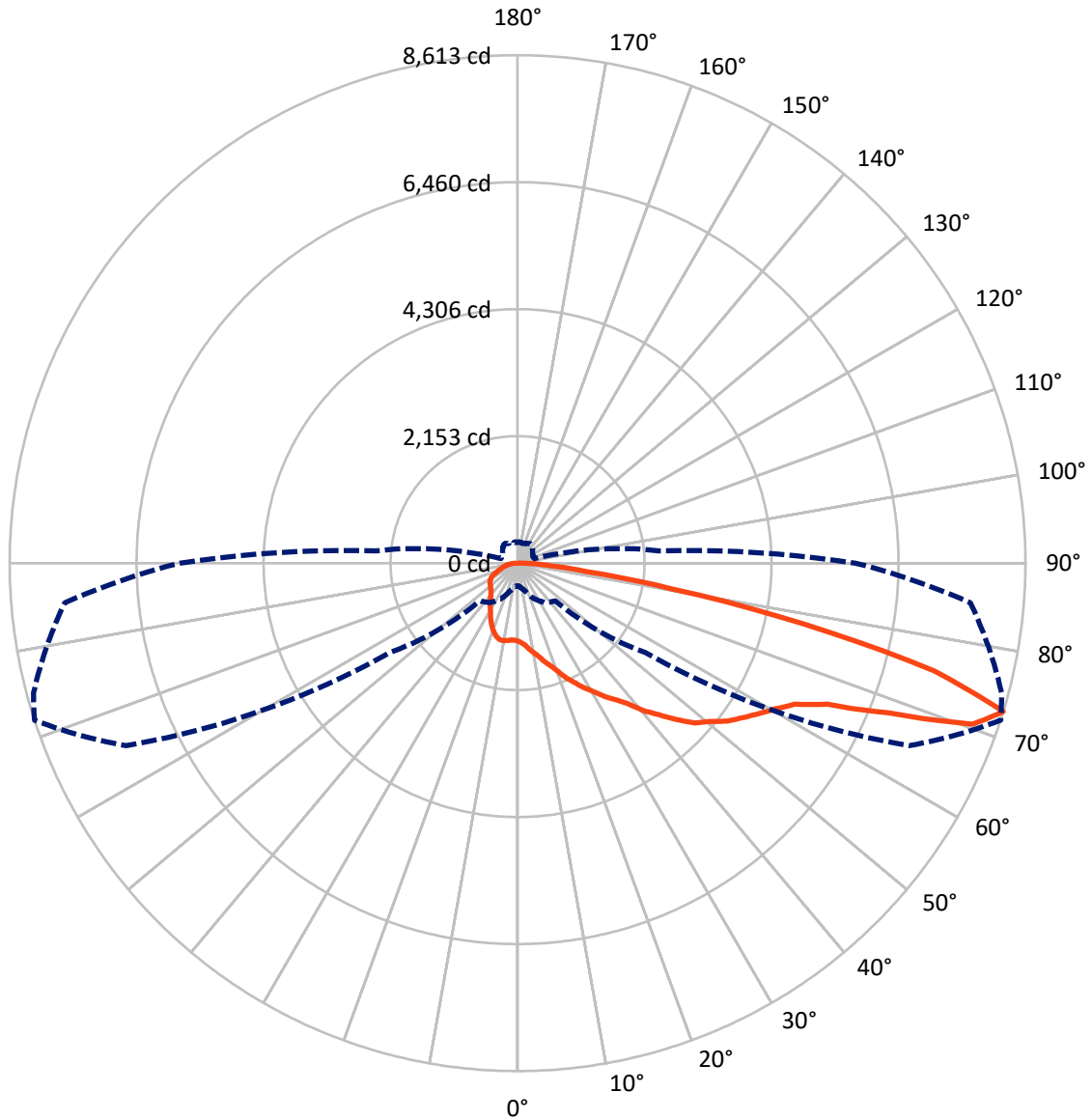
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P674821
CATALOG NUMBER: CCW-SA-2D-730-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P674821

CATALOG NUMBER: CCW-SA-2D-730-U-T2

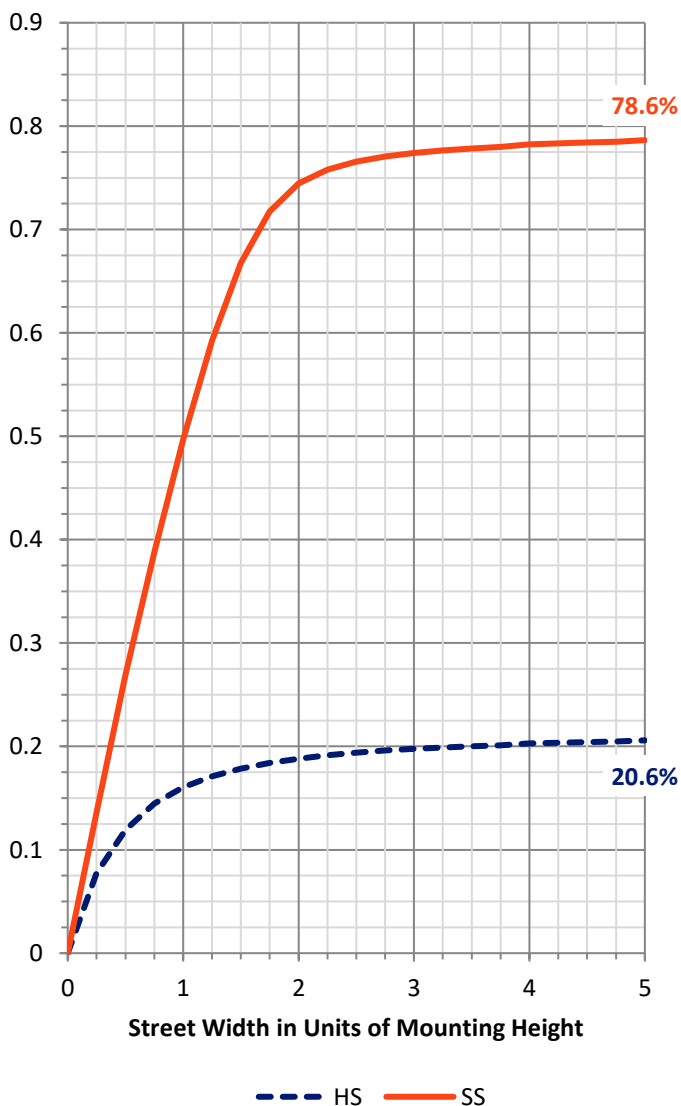
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2132.0	0.0	2132.0
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	7998.4	0.0	7998.4
	% Fixture	79.0	0.0	79.0
Total	Lumens	10130.4	0.0	10130.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.8	1.3
10°-20°	406.5	4.0
20°-30°	703.5	6.9
30°-40°	1039.1	10.3
40°-50°	1545.2	15.3
50°-60°	2118.4	20.9
60°-70°	2297.8	22.7
70°-80°	1620.0	16.0
80°-90°	269.2	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°	10130.4	100.0
0°-180°	10130.4	100.0



REPORT NUMBER: P674821

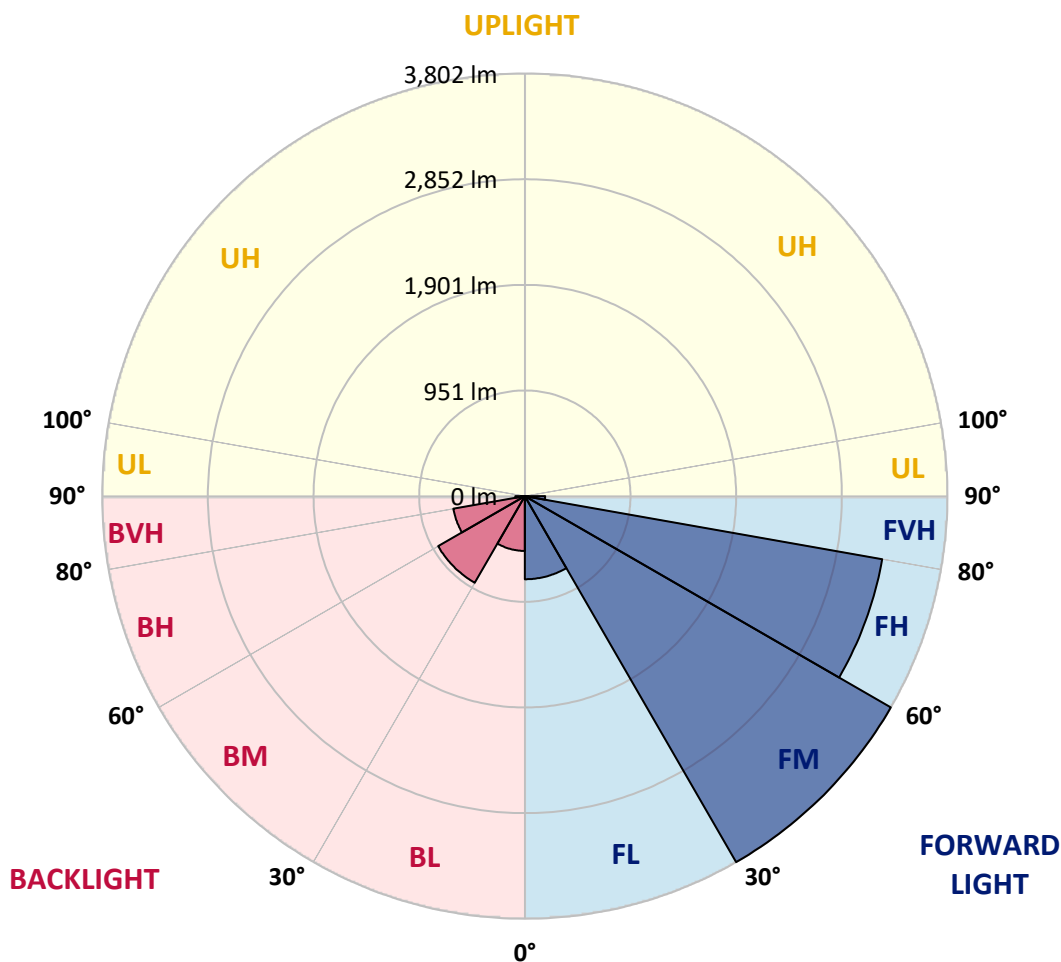
CATALOG NUMBER: CCW-SA-2D-730-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	748.0	7.4			
FM (30°-60°)	3802.1	37.5			
FH (60°-80°)	3264.7	32.2			G2/5000
FVH (80°-90°)	183.5	1.8			G2/225
BL (0°-30°)	492.8	4.9	B1/500		
BM (30°-60°)	900.5	8.9	B1/1000		
BH (60°-80°)	653.1	6.4	B2/1000		G2/1000
BVH (80°-90°)	85.7	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





REPORT NUMBER: P674821
 CATALOG NUMBER: CCW-SA-2D-730-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3
2.5°	1428.0	1428.0	1416.8	1413.0	1413.0	1383.1	1386.9	1368.2	1353.2	1353.2	1338.3
5°	1502.7	1495.3	1495.3	1495.3	1476.6	1465.4	1461.6	1428.0	1401.8	1405.5	1360.7
7.5°	1521.4	1525.2	1528.9	1547.6	1536.4	1543.9	1536.4	1499.0	1480.3	1461.6	1420.5
10°	1532.6	1540.1	1540.1	1566.3	1566.3	1585.0	1596.2	1581.2	1547.6	1528.9	1461.6
12.5°	1558.8	1547.6	1562.6	1581.2	1599.9	1633.6	1667.2	1652.3	1629.8	1607.4	1532.6
15°	1558.8	1562.6	1573.8	1603.7	1633.6	1667.2	1727.0	1749.5	1738.2	1697.1	1618.6
17.5°	1514.0	1502.7	1555.1	1611.1	1667.2	1708.3	1786.8	1839.2	1831.7	1816.7	1697.1
20°	1517.7	1528.9	1547.6	1596.2	1685.9	1760.7	1857.9	1943.8	1962.5	1955.1	1801.8
22.5°	1585.0	1588.7	1607.4	1629.8	1700.9	1798.1	1943.8	2082.2	2115.8	2097.1	1917.7
25°	1652.3	1682.2	1682.2	1697.1	1723.3	1824.2	1999.9	2194.3	2242.9	2246.6	2037.3
27.5°	1760.7	1768.2	1790.6	1798.1	1820.5	1880.3	2063.5	2276.5	2388.7	2373.7	2145.7
30°	1887.8	1891.5	1906.5	1899.0	1902.7	1977.5	2123.3	2370.0	2523.3	2527.0	2261.6
32.5°	2037.3	2067.2	2074.7	2026.1	2033.6	2052.3	2216.7	2482.1	2691.5	2665.3	2362.5
35°	2257.9	2269.1	2246.6	2224.2	2168.1	2156.9	2313.9	2594.3	2837.3	2867.2	2512.0
37.5°	2530.7	2560.6	2530.7	2411.1	2351.3	2306.4	2433.5	2717.6	3013.0	3113.9	2661.6
40°	2784.9	2781.2	2751.3	2642.9	2538.2	2504.6	2605.5	2889.6	3285.8	3383.0	2878.4
42.5°	2990.5	2979.3	2960.6	2878.4	2781.2	2725.1	2803.6	3069.0	3513.9	3700.8	3128.8
45°	3170.0	3155.0	3158.7	3065.3	2971.8	3001.7	3001.7	3274.6	3783.0	4014.8	3416.7
47.5°	3338.2	3345.7	3334.4	3263.4	3192.4	3270.9	3229.8	3510.1	4048.4	4306.4	3659.7
50°	3532.6	3547.5	3510.1	3465.3	3401.7	3480.2	3427.9	3730.7	4220.4	4571.8	3951.2
52.5°	3715.7	3730.7	3764.3	3708.3	3644.7	3708.3	3588.6	3936.3	4448.4	4829.7	4175.5
55°	3760.6	3753.1	3940.0	3999.8	4033.5	3842.8	3730.7	4112.0	4627.8	4994.2	4429.7
57.5°	3555.0	3573.7	3827.9	3999.8	4358.7	4194.2	3891.4	4317.6	4814.8	5211.0	4665.2
60°	3042.9	3054.1	3371.8	3779.3	4302.6	4523.2	4325.1	4583.0	5020.4	5394.2	4930.6
62.5°	2033.6	2119.5	2515.8	3155.0	3906.4	4612.9	5016.6	5031.6	5270.8	5625.9	5293.2
65°	1072.9	1114.0	1424.2	1940.1	2960.6	4302.6	5667.1	5921.3	5771.7	6052.1	5816.6
67.5°	702.8	717.7	885.9	1177.5	1708.3	3140.1	5741.8	7465.1	6777.3	6863.3	6653.9
70°	523.3	530.8	654.2	871.0	1057.9	1678.4	4706.3	8186.6	8182.8	7954.8	7648.3
72.5°	385.0	396.2	482.2	665.4	814.9	904.6	2646.6	7323.1	8612.7	8496.8	7708.1
75°	302.8	310.3	355.1	515.9	657.9	594.4	1342.0	5424.1	7304.4	7861.4	7053.9
77.5°	246.7	254.2	280.4	373.8	527.1	459.8	643.0	3498.9	4953.1	5659.6	5397.9
80°	205.6	205.6	224.3	265.4	407.5	347.6	381.3	1966.3	2669.0	2945.7	2448.5
82.5°	175.7	172.0	186.9	194.4	302.8	250.5	246.7	889.7	1173.8	1244.8	919.6
85°	112.1	115.9	175.7	168.2	198.1	172.0	138.3	422.4	553.2	564.5	343.9
87.5°	44.9	44.9	74.8	93.5	112.1	104.7	67.3	190.6	243.0	243.0	97.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P674821
 CATALOG NUMBER: CCW-SA-2D-730-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3
2.5°	1334.5	1319.6	1308.4	1300.9	1282.2	1263.5	1267.2	1263.5	1248.5	1241.1	1241.1
5°	1349.5	1334.5	1315.8	1285.9	1267.2	1244.8	1252.3	1237.3	1222.4	1233.6	1214.9
7.5°	1386.9	1360.7	1334.5	1289.7	1259.8	1226.1	1211.2	1203.7	1192.5	1185.0	1185.0
10°	1439.2	1401.8	1353.2	1285.9	1237.3	1185.0	1177.5	1162.6	1151.4	1151.4	1147.6
12.5°	1491.5	1450.4	1368.2	1259.8	1177.5	1140.1	1136.4	1140.1	1147.6	1151.4	1155.1
15°	1558.8	1491.5	1364.4	1211.2	1128.9	1114.0	1132.7	1147.6	1162.6	1177.5	1173.8
17.5°	1622.4	1543.9	1330.8	1151.4	1087.8	1091.5	1125.2	1155.1	1185.0	1200.0	1203.7
20°	1708.3	1592.5	1282.2	1080.3	1046.7	1080.3	1125.2	1162.6	1196.2	1214.9	1218.6
22.5°	1805.5	1648.5	1218.6	1016.8	1013.0	1046.7	1091.5	1147.6	1185.0	1218.6	1214.9
25°	1891.5	1685.9	1136.4	964.4	971.9	994.4	1046.7	1106.5	1143.9	1181.3	1170.0
27.5°	1947.6	1693.4	1050.4	927.1	927.1	949.5	998.1	1035.5	1069.1	1099.0	1102.8
30°	2011.1	1678.4	953.2	878.5	878.5	908.4	927.1	949.5	968.2	975.7	983.1
32.5°	2085.9	1644.8	893.4	841.1	841.1	863.5	874.7	867.3	863.5	844.8	856.0
35°	2156.9	1596.2	826.1	792.5	807.4	818.7	814.9	792.5	770.1	736.4	725.2
37.5°	2242.9	1547.6	766.3	740.2	766.3	770.1	770.1	743.9	714.0	672.9	672.9
40°	2373.7	1510.2	717.7	706.5	732.7	728.9	710.3	691.6	702.8	680.3	680.3
42.5°	2512.0	1495.3	672.9	676.6	687.8	691.6	672.9	650.4	695.3	669.1	672.9
45°	2684.0	1506.5	643.0	639.2	665.4	661.7	650.4	631.7	646.7	579.4	560.7
47.5°	2844.7	1528.9	628.0	613.1	643.0	650.4	635.5	594.4	571.9	530.8	523.3
50°	2990.5	1577.5	613.1	583.2	613.1	628.0	601.8	557.0	530.8	504.7	504.7
52.5°	3128.8	1648.5	605.6	549.5	575.7	594.4	579.4	534.6	504.7	493.4	482.2
55°	3270.9	1712.1	594.4	527.1	534.6	571.9	568.2	508.4	478.5	478.5	474.7
57.5°	3472.8	1798.1	579.4	489.7	504.7	545.8	545.8	497.2	463.5	467.3	471.0
60°	3678.4	1899.0	564.5	452.3	463.5	519.6	527.1	482.2	452.3	456.1	452.3
62.5°	4007.3	2085.9	534.6	407.5	429.9	486.0	504.7	463.5	437.4	444.8	444.8
65°	4504.5	2407.4	471.0	370.1	396.2	456.1	482.2	444.8	414.9	437.4	429.9
67.5°	5304.5	2848.5	396.2	340.2	373.8	426.2	456.1	422.4	396.2	429.9	418.7
70°	6022.2	3065.3	340.2	314.0	340.2	392.5	426.2	400.0	373.8	407.5	392.5
72.5°	5730.6	2403.6	295.3	284.1	310.3	355.1	396.2	370.1	343.9	362.6	347.6
75°	4945.6	1913.9	257.9	254.2	276.6	321.5	362.6	343.9	317.7	325.2	317.7
77.5°	3749.4	1581.2	220.6	216.8	235.5	287.8	325.2	310.3	284.1	280.4	280.4
80°	1674.7	777.5	183.2	183.2	194.4	246.7	276.6	269.1	243.0	239.2	235.5
82.5°	549.5	295.3	149.5	142.1	157.0	205.6	246.7	239.2	213.1	205.6	198.1
85°	220.6	142.1	108.4	108.4	123.4	172.0	220.6	205.6	172.0	153.3	153.3
87.5°	74.8	59.8	56.1	56.1	78.5	115.9	164.5	138.3	123.4	108.4	112.1
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)