

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: P674962

Luminaire Tested: **CCW-SA-2A-730-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674962
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-730-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T3 distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

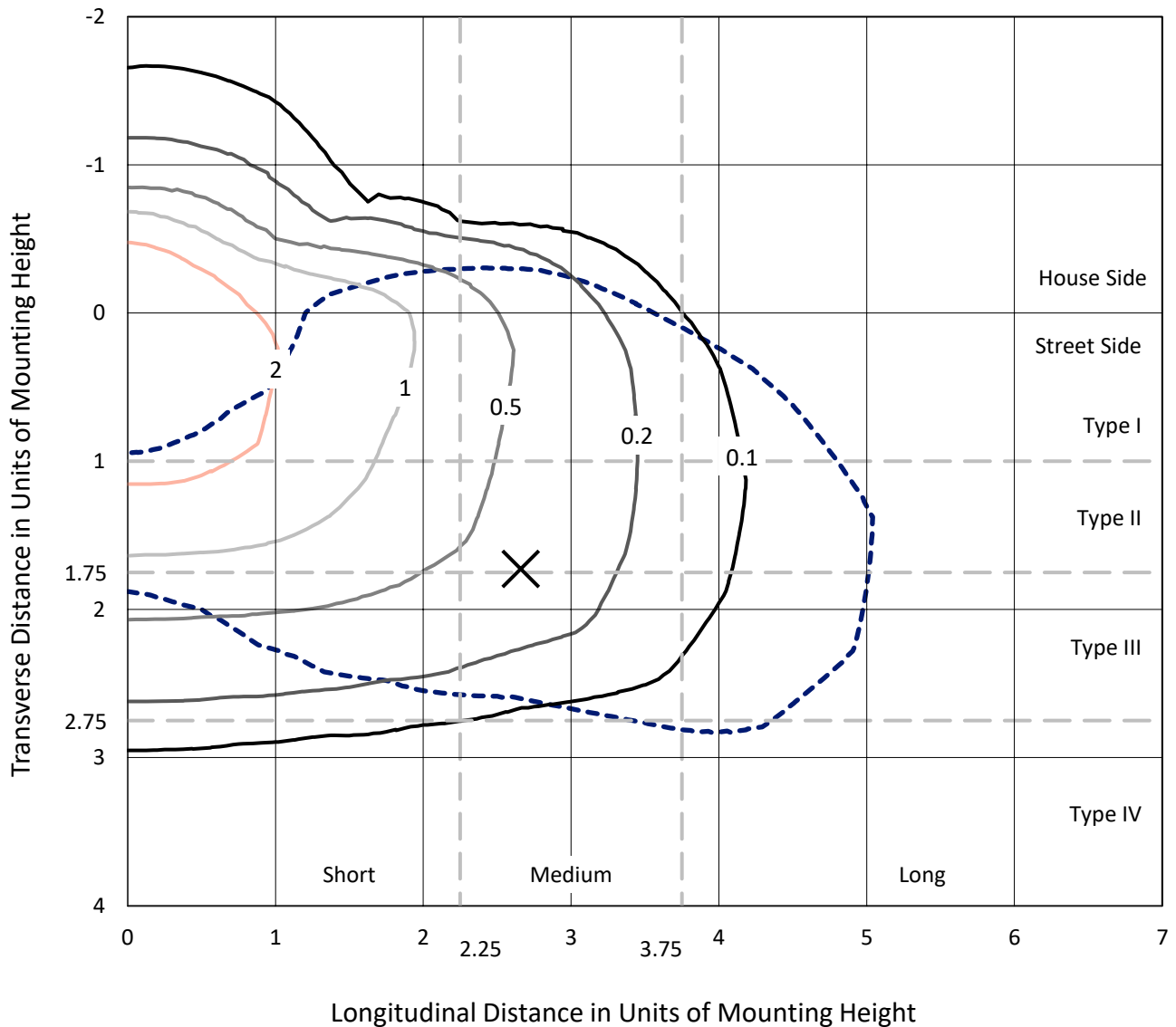
Lumens per Lamp: N/A
Luminaire Lumens: 5034.2 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

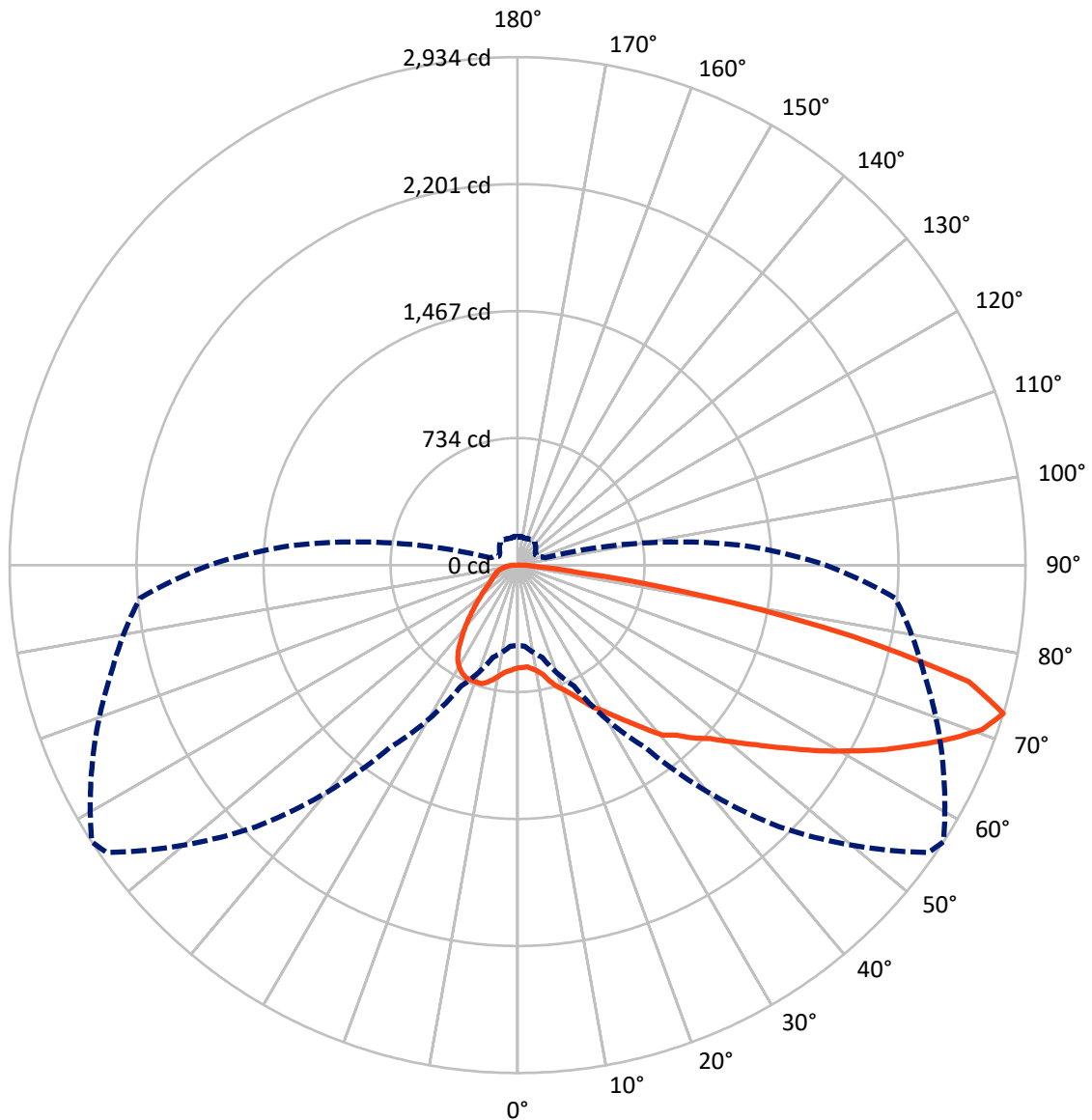
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 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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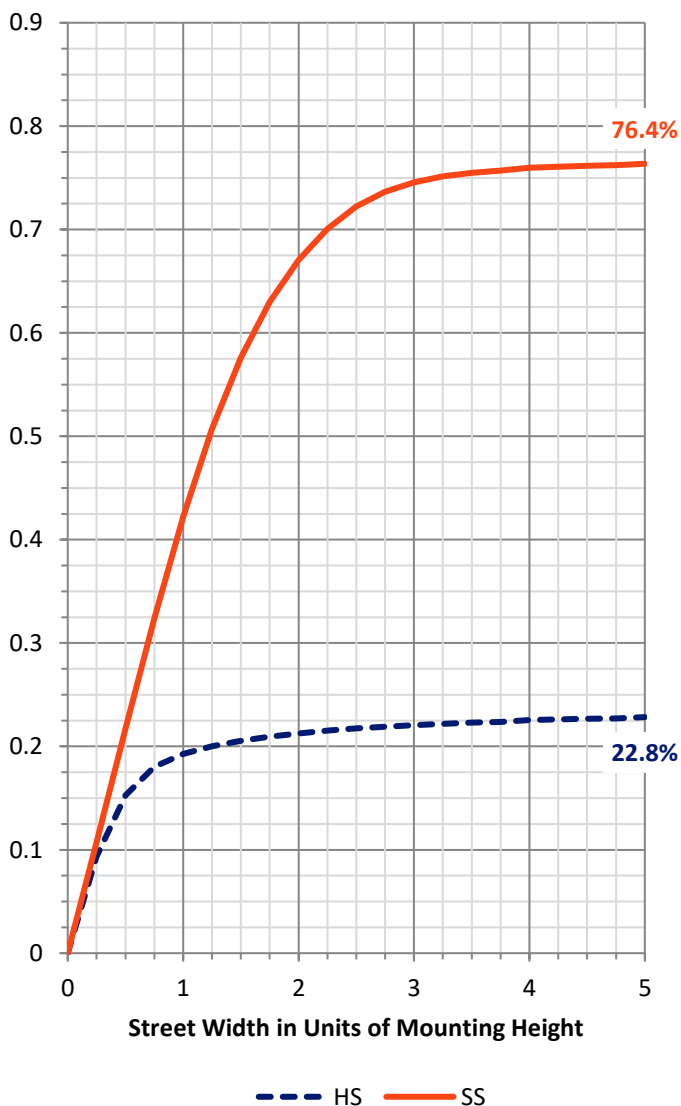
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1175.7	0.0	1175.7
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	3858.5	0.0	3858.5
	% Fixture	76.6	0.0	76.6
Total	Lumens	5034.2	0.0	5034.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.0	1.2
10°-20°	198.8	3.9
20°-30°	363.4	7.2
30°-40°	533.1	10.6
40°-50°	734.0	14.6
50°-60°	1006.6	20.0
60°-70°	1213.4	24.1
70°-80°	808.3	16.1
80°-90°	117.7	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°	5034.2	100.0
0°-180°	5034.2	100.0



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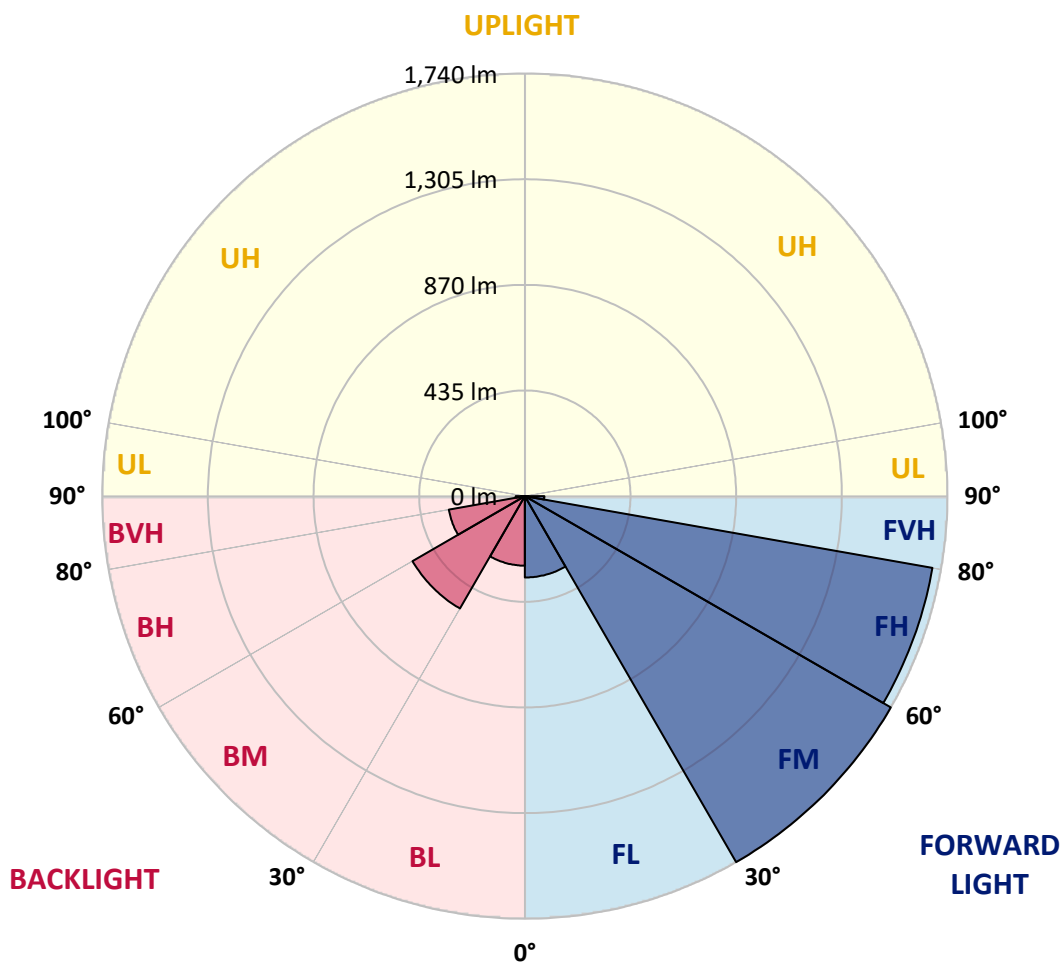
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	334.9	6.7			
FM (30°-60°)	1739.7	34.6			
FH (60°-80°)	1703.8	33.8			G1/1800
FVH (80°-90°)	80.2	1.6			G1/100
BL (0°-30°)	286.2	5.7	B1/500		
BM (30°-60°)	534.0	10.6	B1/1000		
BH (60°-80°)	317.9	6.3	B1/500		G1/500
BVH (80°-90°)	37.6	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-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	594.2	594.2	594.2	594.2	594.2	594.2	594.2	594.2	594.2	594.2	594.2
2.5°	583.2	585.0	588.7	586.9	586.9	581.4	590.5	592.4	588.7	590.5	594.2
5°	583.2	586.9	592.4	588.7	590.5	588.7	585.0	590.5	590.5	592.4	597.9
7.5°	614.4	612.5	612.5	607.0	605.2	603.4	605.2	605.2	601.5	603.4	603.4
10°	649.2	649.2	645.5	645.5	641.9	632.7	623.5	621.7	616.2	618.0	618.0
12.5°	685.9	689.6	693.2	682.2	678.6	663.9	658.4	647.4	647.4	643.7	641.9
15°	731.7	726.2	729.9	726.2	717.1	702.4	693.2	695.1	682.2	678.6	673.1
17.5°	772.1	773.9	768.4	764.8	748.2	737.2	739.1	737.2	720.7	715.2	706.1
20°	819.8	817.9	817.9	806.9	792.3	777.6	772.1	770.3	773.9	762.9	740.9
22.5°	869.3	862.0	862.0	852.8	832.6	823.4	819.8	812.4	816.1	806.9	773.9
25°	909.6	909.6	922.5	904.1	893.1	874.8	867.5	869.3	871.1	852.8	814.3
27.5°	962.8	953.6	966.5	957.3	951.8	931.6	922.5	928.0	924.3	904.1	850.9
30°	1030.7	1032.5	1025.2	1012.3	1005.0	990.3	984.8	979.3	984.8	959.2	891.3
32.5°	1115.0	1120.5	1102.2	1087.5	1074.7	1060.0	1049.0	1043.5	1049.0	1010.5	922.5
35°	1212.2	1217.7	1203.1	1186.6	1171.9	1135.2	1126.0	1116.9	1096.7	1034.3	951.8
37.5°	1302.1	1294.8	1291.1	1291.1	1263.6	1210.4	1204.9	1199.4	1160.9	1082.0	992.2
40°	1362.6	1371.8	1368.1	1364.5	1360.8	1311.3	1300.3	1291.1	1226.9	1153.5	1049.0
42.5°	1430.5	1425.0	1439.6	1445.1	1432.3	1417.6	1373.6	1342.4	1285.6	1226.9	1133.4
45°	1511.2	1507.5	1513.0	1533.2	1514.8	1520.3	1447.0	1425.0	1353.4	1318.6	1239.7
47.5°	1582.7	1591.9	1619.4	1624.9	1610.2	1635.9	1533.2	1498.3	1452.5	1425.0	1349.8
50°	1613.9	1624.9	1687.2	1725.7	1727.6	1767.9	1619.4	1604.7	1542.3	1553.3	1487.3
52.5°	1588.2	1623.0	1698.2	1799.1	1861.5	1901.8	1733.1	1725.7	1668.9	1703.7	1637.7
55°	1612.0	1645.0	1694.6	1835.8	1993.5	2002.7	1890.8	1863.3	1806.4	1854.1	1793.6
57.5°	1623.0	1604.7	1698.2	1876.1	2090.7	2114.5	2041.2	2021.0	1977.0	2022.8	1988.0
60°	1536.8	1558.8	1646.9	1865.1	2096.2	2233.7	2209.9	2180.6	2140.2	2182.4	2162.2
62.5°	1439.6	1454.3	1549.7	1799.1	2127.4	2319.9	2373.1	2351.1	2294.3	2330.9	2365.8
65°	1316.8	1318.6	1425.0	1681.7	2066.9	2369.5	2516.2	2514.3	2474.0	2464.8	2519.8
67.5°	1166.4	1181.1	1265.4	1557.0	1984.3	2424.5	2657.4	2684.9	2604.2	2532.7	2552.8
70°	895.0	909.6	990.3	1276.4	1815.6	2408.0	2831.6	2846.3	2688.6	2507.0	2455.6
72.5°	465.8	469.5	552.0	770.3	1287.4	2138.4	2895.8	2934.3	2710.6	2431.8	2189.7
75°	154.1	154.1	188.9	293.4	607.0	1368.1	2622.5	2692.2	2602.4	2244.7	1791.8
77.5°	91.7	93.5	111.9	146.7	242.1	546.5	1848.6	1971.5	2129.2	1909.1	1309.4
80°	66.0	67.9	84.4	100.9	144.9	176.1	928.0	1098.5	1307.6	1228.7	698.7
82.5°	49.5	49.5	66.0	75.2	99.0	104.5	258.6	354.0	564.9	440.1	192.6
85°	51.4	51.4	51.4	53.2	67.9	60.5	108.2	115.5	165.1	144.9	53.2
87.5°	18.3	20.2	51.4	34.8	34.8	25.7	42.2	45.8	58.7	60.5	20.2
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°	594.2	594.2	594.2	594.2	594.2	594.2	594.2	594.2	594.2	594.2	594.2
2.5°	596.0	596.0	597.9	597.9	601.5	605.2	610.7	607.0	607.0	608.9	607.0
5°	594.2	596.0	601.5	610.7	614.4	616.2	627.2	627.2	627.2	630.9	630.9
7.5°	601.5	605.2	614.4	623.5	625.4	630.9	645.5	649.2	658.4	662.1	663.9
10°	619.9	625.4	632.7	643.7	651.0	658.4	669.4	682.2	680.4	691.4	693.2
12.5°	647.4	645.5	658.4	669.4	676.7	687.7	691.4	691.4	691.4	691.4	695.1
15°	669.4	673.1	684.1	691.4	700.6	698.7	691.4	684.1	685.9	684.1	684.1
17.5°	702.4	702.4	711.6	713.4	717.1	698.7	687.7	687.7	693.2	693.2	689.6
20°	735.4	733.6	737.2	735.4	711.6	689.6	687.7	689.6	691.4	689.6	687.7
22.5°	766.6	762.9	757.4	750.1	707.9	687.7	684.1	674.9	665.7	665.7	660.2
25°	794.1	790.4	775.8	753.7	706.1	676.7	658.4	636.4	625.4	619.9	627.2
27.5°	819.8	812.4	792.3	753.7	689.6	647.4	612.5	585.0	575.9	568.5	575.9
30°	854.6	841.8	814.3	748.2	663.9	601.5	553.9	520.8	511.7	500.7	504.3
32.5°	885.8	856.5	832.6	731.7	630.9	550.2	495.2	462.2	445.6	436.5	443.8
35°	918.8	889.5	839.9	706.1	579.5	487.8	432.8	401.6	388.8	376.0	376.0
37.5°	951.8	935.3	850.9	658.4	517.2	429.1	379.6	355.8	333.8	309.9	309.9
40°	1021.5	999.5	863.8	603.4	454.8	372.3	337.4	306.3	284.3	251.2	249.4
42.5°	1094.9	1047.2	863.8	537.3	399.8	331.9	298.9	265.9	225.6	205.4	207.2
45°	1188.4	1133.4	839.9	478.7	344.8	298.9	262.3	220.1	201.7	188.9	188.9
47.5°	1305.8	1219.6	810.6	414.5	300.8	269.6	223.7	198.1	185.2	174.2	172.4
50°	1445.1	1298.4	773.9	359.5	264.1	242.1	203.6	183.4	172.4	165.1	165.1
52.5°	1591.9	1414.0	748.2	309.9	234.7	205.4	188.9	176.1	166.9	161.4	159.6
55°	1740.4	1529.5	729.9	256.8	207.2	188.9	185.2	174.2	170.6	165.1	161.4
57.5°	1907.3	1624.9	726.2	220.1	185.2	181.6	188.9	179.7	174.2	168.7	163.2
60°	2087.0	1753.2	693.2	190.7	174.2	177.9	183.4	174.2	170.6	165.1	161.4
62.5°	2264.9	1848.6	603.4	168.7	163.2	166.9	174.2	166.9	161.4	163.2	165.1
65°	2338.3	1855.9	467.7	152.2	150.4	152.2	163.2	161.4	155.9	166.9	166.9
67.5°	2264.9	1789.9	330.1	137.5	137.5	146.7	165.1	168.7	163.2	177.9	176.1
70°	2098.0	1626.7	223.7	128.4	132.0	155.9	170.6	166.9	159.6	177.9	174.2
72.5°	1780.8	1302.1	163.2	119.2	124.7	148.5	168.7	165.1	159.6	166.9	159.6
75°	1336.9	926.1	128.4	108.2	110.0	133.9	174.2	165.1	150.4	146.7	141.2
77.5°	893.1	572.2	99.0	95.4	95.4	117.4	166.9	154.1	135.7	130.2	128.4
80°	425.5	229.2	78.9	80.7	82.5	100.9	152.2	137.5	122.9	115.5	115.5
82.5°	135.7	86.2	66.0	66.0	66.0	82.5	126.5	115.5	106.4	100.9	91.7
85°	47.7	47.7	56.9	58.7	53.2	60.5	104.5	99.0	88.0	73.4	71.5
87.5°	18.3	27.5	38.5	45.8	33.0	42.2	75.2	69.7	64.2	47.7	45.8
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)