

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: P674921

Luminaire Tested: **CCW-SA-2E-850-U-T2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674921
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-850-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T2 distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

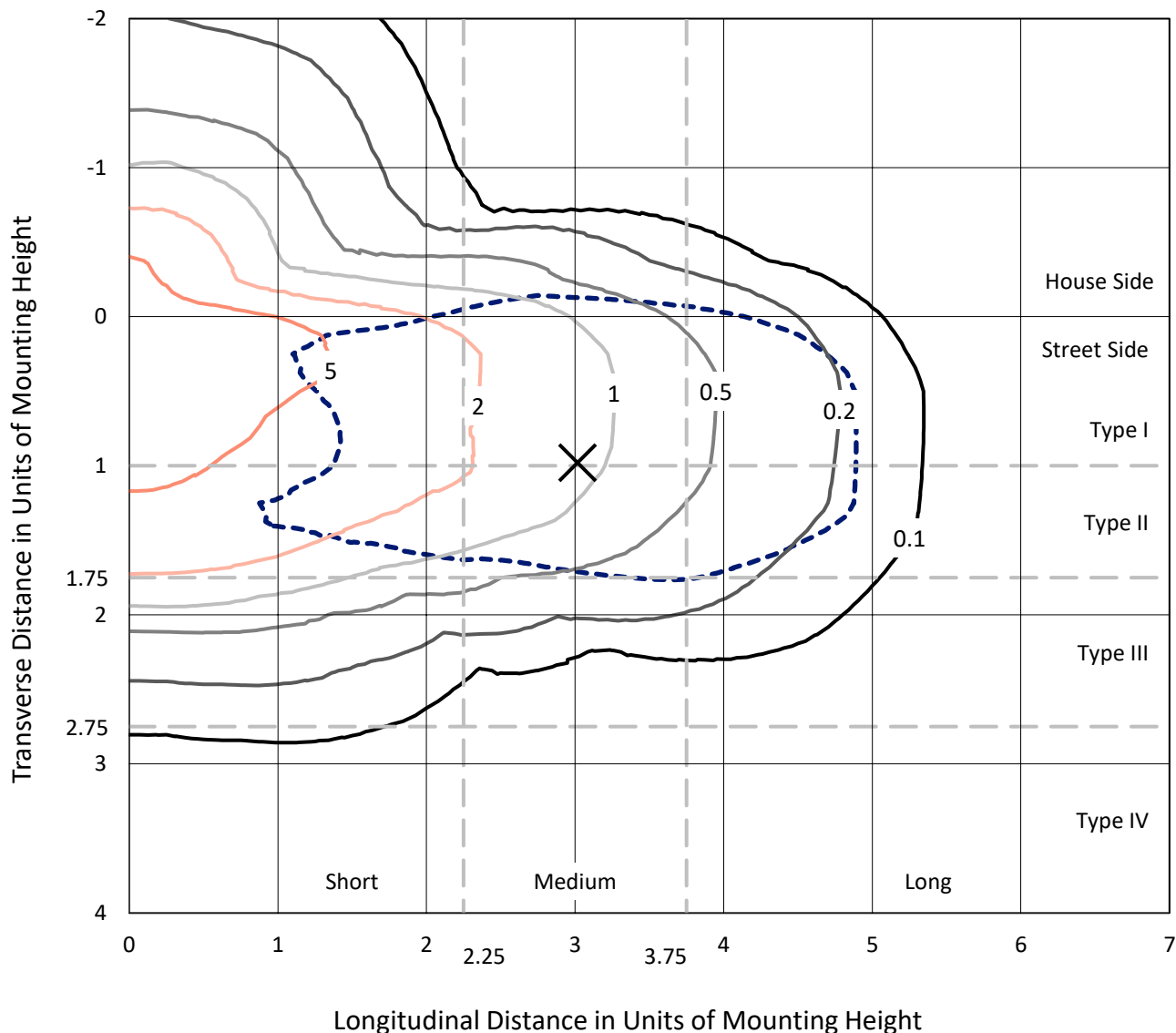
Lumens per Lamp: N/A
Luminaire Lumens: 11901.3 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 106.6
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

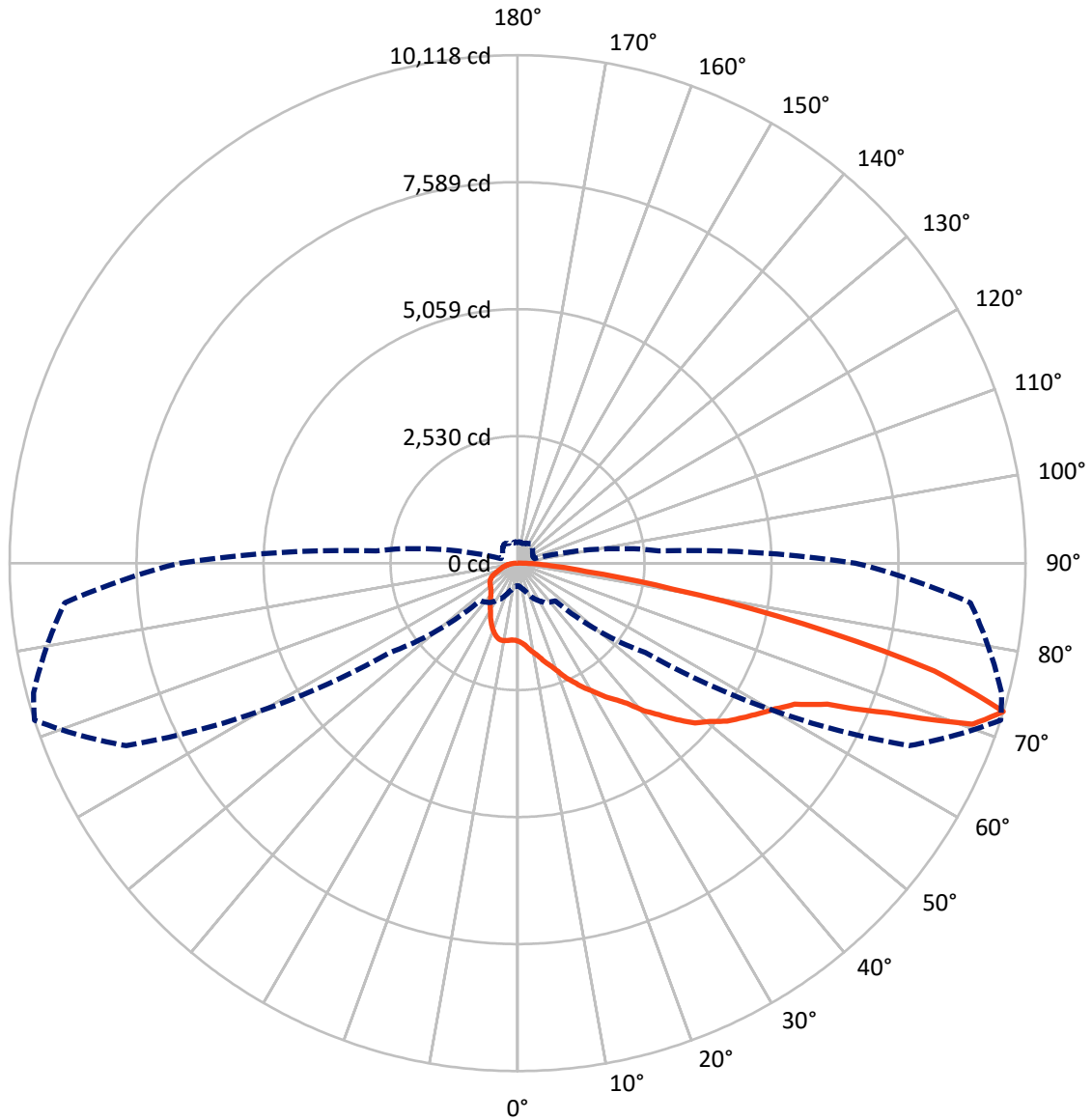
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.6 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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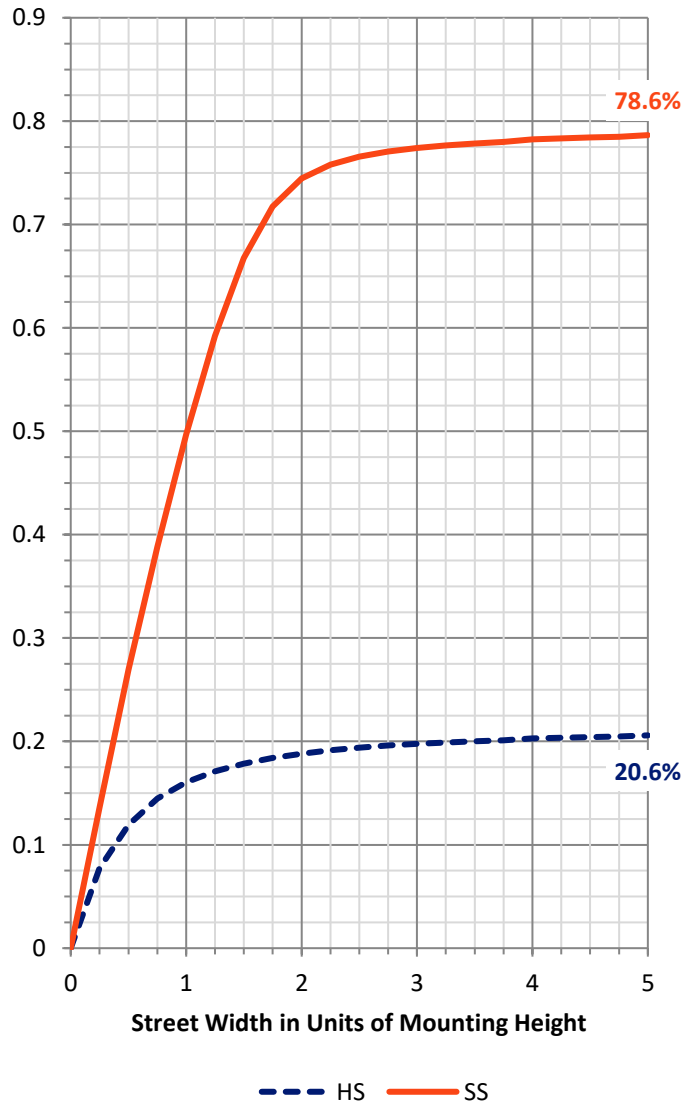
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2504.7	0.0	2504.7
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	9396.7	0.0	9396.7
	% Fixture	79.0	0.0	79.0
Total	Lumens	11901.3	0.0	11901.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.7	1.3
10°-20°	477.6	4.0
20°-30°	826.4	6.9
30°-40°	1220.7	10.3
40°-50°	1815.3	15.3
50°-60°	2488.7	20.9
60°-70°	2699.5	22.7
70°-80°	1903.2	16.0
80°-90°	316.2	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°	11901.3	100.0
0°-180°	11901.3	100.0



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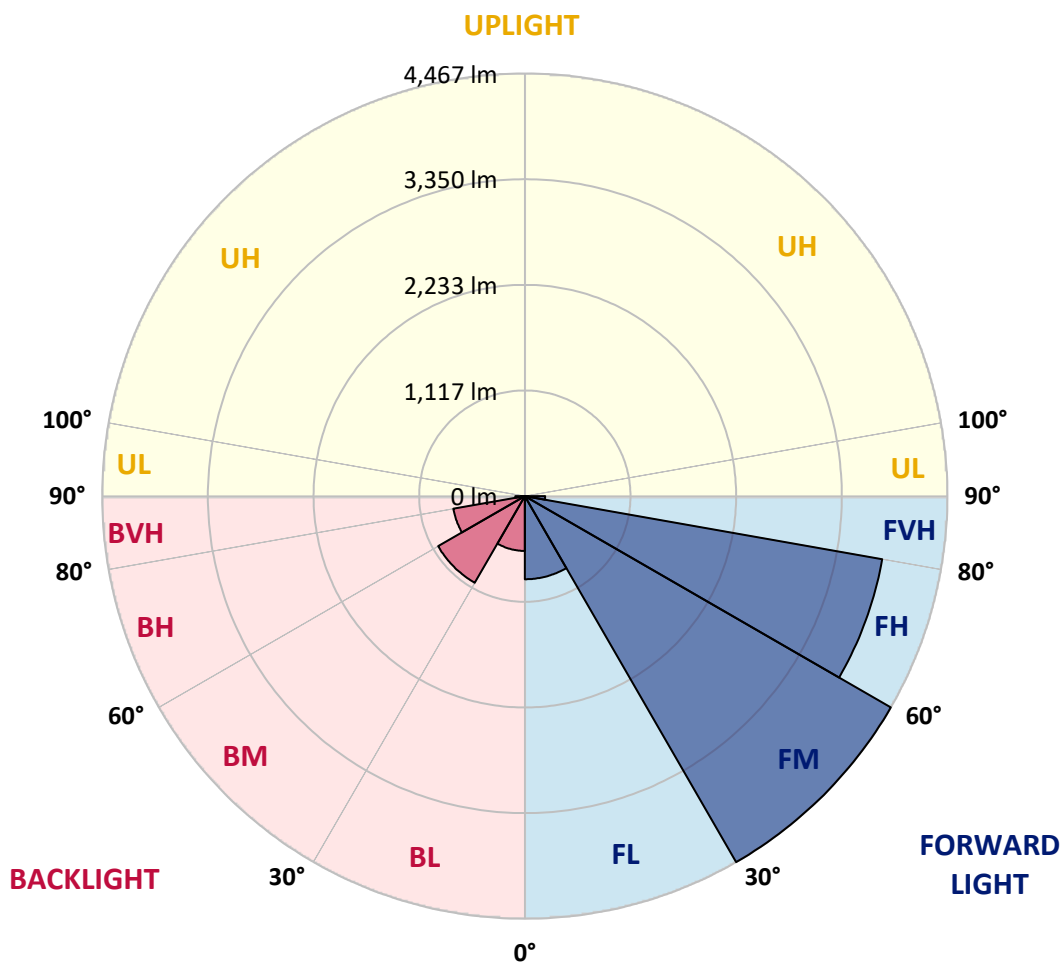
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	878.8	7.4			
FM (30°-60°)	4466.8	37.5			
FH (60°-80°)	3835.4	32.2			G2/5000
FVH (80°-90°)	215.6	1.8			G2/225
BL (0°-30°)	578.9	4.9	B2/1000		
BM (30°-60°)	1057.9	8.9	B2/2500		
BH (60°-80°)	767.2	6.4	B2/1000		G2/1000
BVH (80°-90°)	100.6	0.8			G2/225
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°	1554.6	1554.6	1554.6	1554.6	1554.6	1554.6	1554.6	1554.6	1554.6	1554.6	1554.6
2.5°	1677.6	1677.6	1664.4	1660.0	1660.0	1624.9	1629.3	1607.3	1589.8	1589.8	1572.2
5°	1765.4	1756.7	1756.7	1756.7	1734.7	1721.5	1717.1	1677.6	1646.9	1651.3	1598.6
7.5°	1787.4	1791.8	1796.2	1818.1	1805.0	1813.8	1805.0	1761.1	1739.1	1717.1	1668.8
10°	1800.6	1809.4	1809.4	1840.1	1840.1	1862.1	1875.2	1857.7	1818.1	1796.2	1717.1
12.5°	1831.3	1818.1	1835.7	1857.7	1879.6	1919.2	1958.7	1941.1	1914.8	1888.4	1800.6
15°	1831.3	1835.7	1848.9	1884.0	1919.2	1958.7	2028.9	2055.3	2042.1	1993.8	1901.6
17.5°	1778.6	1765.4	1826.9	1892.8	1958.7	2007.0	2099.2	2160.7	2151.9	2134.3	1993.8
20°	1783.0	1796.2	1818.1	1875.2	1980.6	2068.5	2182.7	2283.7	2305.6	2296.8	2116.8
22.5°	1862.1	1866.5	1888.4	1914.8	1998.2	2112.4	2283.7	2446.2	2485.7	2463.7	2252.9
25°	1941.1	1976.2	1976.2	1993.8	2024.6	2143.1	2349.5	2577.9	2635.0	2639.4	2393.5
27.5°	2068.5	2077.3	2103.6	2112.4	2138.7	2209.0	2424.2	2674.5	2806.3	2788.7	2520.8
30°	2217.8	2222.2	2239.7	2231.0	2235.4	2323.2	2494.5	2784.3	2964.4	2968.8	2657.0
32.5°	2393.5	2428.6	2437.4	2380.3	2389.1	2411.0	2604.3	2916.1	3162.0	3131.3	2775.5
35°	2652.6	2665.7	2639.4	2613.0	2547.2	2534.0	2718.4	3047.8	3333.3	3368.4	2951.2
37.5°	2973.2	3008.3	2973.2	2832.6	2762.4	2709.7	2859.0	3192.7	3539.7	3658.3	3126.9
40°	3271.8	3267.4	3232.3	3104.9	2981.9	2942.4	3061.0	3394.8	3860.3	3974.4	3381.6
42.5°	3513.3	3500.2	3478.2	3381.6	3267.4	3201.5	3293.7	3605.6	4128.2	4347.7	3675.8
45°	3724.1	3706.6	3711.0	3601.2	3491.4	3526.5	3526.5	3847.1	4444.4	4716.6	4014.0
47.5°	3921.8	3930.5	3917.4	3833.9	3750.5	3842.7	3794.4	4123.8	4756.2	5059.2	4299.4
50°	4150.1	4167.7	4123.8	4071.1	3996.4	4088.6	4027.1	4382.9	4958.2	5371.0	4642.0
52.5°	4365.3	4382.9	4422.4	4356.5	4281.9	4356.5	4216.0	4624.4	5226.1	5674.0	4905.5
55°	4418.0	4409.2	4628.8	4699.1	4738.6	4514.6	4382.9	4830.8	5436.9	5867.3	5204.1
57.5°	4176.5	4198.4	4497.1	4699.1	5120.7	4927.4	4571.7	5072.4	5656.5	6122.0	5480.8
60°	3574.8	3588.0	3961.3	4440.0	5054.8	5313.9	5081.1	5384.2	5898.0	6337.2	5792.6
62.5°	2389.1	2490.1	2955.6	3706.6	4589.3	5419.3	5893.6	5911.2	6192.2	6609.4	6218.6
65°	1260.4	1308.7	1673.2	2279.3	3478.2	5054.8	6657.8	6956.4	6780.7	7110.1	6833.4
67.5°	825.6	843.2	1040.8	1383.4	2007.0	3689.0	6745.6	8770.1	7962.1	8063.1	7817.2
70°	614.8	623.6	768.5	1023.3	1242.8	1971.9	5529.1	9617.7	9613.3	9345.4	8985.3
72.5°	452.3	465.5	566.5	781.7	957.4	1062.8	3109.3	8603.3	10118.4	9982.2	9055.6
75°	355.7	364.5	417.2	606.0	772.9	698.3	1576.6	6372.3	8581.3	9235.7	8287.1
77.5°	289.8	298.6	329.4	439.2	619.2	540.2	755.4	4110.6	5818.9	6649.0	6341.6
80°	241.5	241.5	263.5	311.8	478.7	408.4	447.9	2310.0	3135.6	3460.6	2876.5
82.5°	206.4	202.0	219.6	228.4	355.7	294.2	289.8	1045.2	1379.0	1462.4	1080.3
85°	131.7	136.1	206.4	197.6	232.8	202.0	162.5	496.3	650.0	663.1	404.0
87.5°	52.7	52.7	87.8	109.8	131.7	123.0	79.0	224.0	285.5	285.5	114.2
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°	1554.6	1554.6	1554.6	1554.6	1554.6	1554.6	1554.6	1554.6	1554.6	1554.6	1554.6
2.5°	1567.8	1550.3	1537.1	1528.3	1506.3	1484.4	1488.8	1484.4	1466.8	1458.0	1458.0
5°	1585.4	1567.8	1545.9	1510.7	1488.8	1462.4	1471.2	1453.6	1436.1	1449.2	1427.3
7.5°	1629.3	1598.6	1567.8	1515.1	1480.0	1440.5	1422.9	1414.1	1400.9	1392.2	1392.2
10°	1690.8	1646.9	1589.8	1510.7	1453.6	1392.2	1383.4	1365.8	1352.6	1352.6	1348.2
12.5°	1752.3	1704.0	1607.3	1480.0	1383.4	1339.5	1335.1	1339.5	1348.2	1352.6	1357.0
15°	1831.3	1752.3	1603.0	1422.9	1326.3	1308.7	1330.7	1348.2	1365.8	1383.4	1379.0
17.5°	1906.0	1813.8	1563.4	1352.6	1278.0	1282.4	1321.9	1357.0	1392.2	1409.7	1414.1
20°	2007.0	1870.8	1506.3	1269.2	1229.7	1269.2	1321.9	1365.8	1405.3	1427.3	1431.7
22.5°	2121.2	1936.7	1431.7	1194.5	1190.1	1229.7	1282.4	1348.2	1392.2	1431.7	1427.3
25°	2222.2	1980.6	1335.1	1133.0	1141.8	1168.2	1229.7	1299.9	1343.8	1387.8	1374.6
27.5°	2288.1	1989.4	1234.1	1089.1	1089.1	1115.5	1172.6	1216.5	1256.0	1291.1	1295.5
30°	2362.7	1971.9	1119.9	1032.0	1032.0	1067.2	1089.1	1115.5	1137.4	1146.2	1155.0
32.5°	2450.5	1932.3	1049.6	988.1	988.1	1014.5	1027.6	1018.9	1014.5	992.5	1005.7
35°	2534.0	1875.2	970.6	931.0	948.6	961.8	957.4	931.0	904.7	865.2	852.0
37.5°	2635.0	1818.1	900.3	869.5	900.3	904.7	904.7	873.9	838.8	790.5	790.5
40°	2788.7	1774.2	843.2	830.0	860.8	856.4	834.4	812.5	825.6	799.3	799.3
42.5°	2951.2	1756.7	790.5	794.9	808.1	812.5	790.5	764.1	816.8	786.1	790.5
45°	3153.2	1769.8	755.4	751.0	781.7	777.3	764.1	742.2	759.8	680.7	658.7
47.5°	3342.1	1796.2	737.8	720.2	755.4	764.1	746.6	698.3	671.9	623.6	614.8
50°	3513.3	1853.3	720.2	685.1	720.2	737.8	707.1	654.4	623.6	592.9	592.9
52.5°	3675.8	1936.7	711.4	645.6	676.3	698.3	680.7	628.0	592.9	579.7	566.5
55°	3842.7	2011.4	698.3	619.2	628.0	671.9	667.5	597.3	562.1	562.1	557.7
57.5°	4079.8	2112.4	680.7	575.3	592.9	641.2	641.2	584.1	544.6	549.0	553.3
60°	4321.4	2231.0	663.1	531.4	544.6	610.4	619.2	566.5	531.4	535.8	531.4
62.5°	4707.9	2450.5	628.0	478.7	505.0	570.9	592.9	544.6	513.8	522.6	522.6
65°	5291.9	2828.2	553.3	434.8	465.5	535.8	566.5	522.6	487.5	513.8	505.0
67.5°	6231.8	3346.4	465.5	399.6	439.2	500.6	535.8	496.3	465.5	505.0	491.9
70°	7075.0	3601.2	399.6	368.9	399.6	461.1	500.6	469.9	439.2	478.7	461.1
72.5°	6732.4	2823.8	346.9	333.8	364.5	417.2	465.5	434.8	404.0	426.0	408.4
75°	5810.2	2248.5	303.0	298.6	325.0	377.7	426.0	404.0	373.3	382.1	373.3
77.5°	4404.8	1857.7	259.1	254.7	276.7	338.2	382.1	364.5	333.8	329.4	329.4
80°	1967.5	913.5	215.2	215.2	228.4	289.8	325.0	316.2	285.5	281.1	276.7
82.5°	645.6	346.9	175.7	166.9	184.4	241.5	289.8	281.1	250.3	241.5	232.8
85°	259.1	166.9	127.4	127.4	144.9	202.0	259.1	241.5	202.0	180.1	180.1
87.5°	87.8	70.3	65.9	65.9	92.2	136.1	193.2	162.5	144.9	127.4	131.7
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)