

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: P675436

Luminaire Tested: **CCW-SA-1E-760-U-SL2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675436
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-760-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
SL2 distribution lens
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

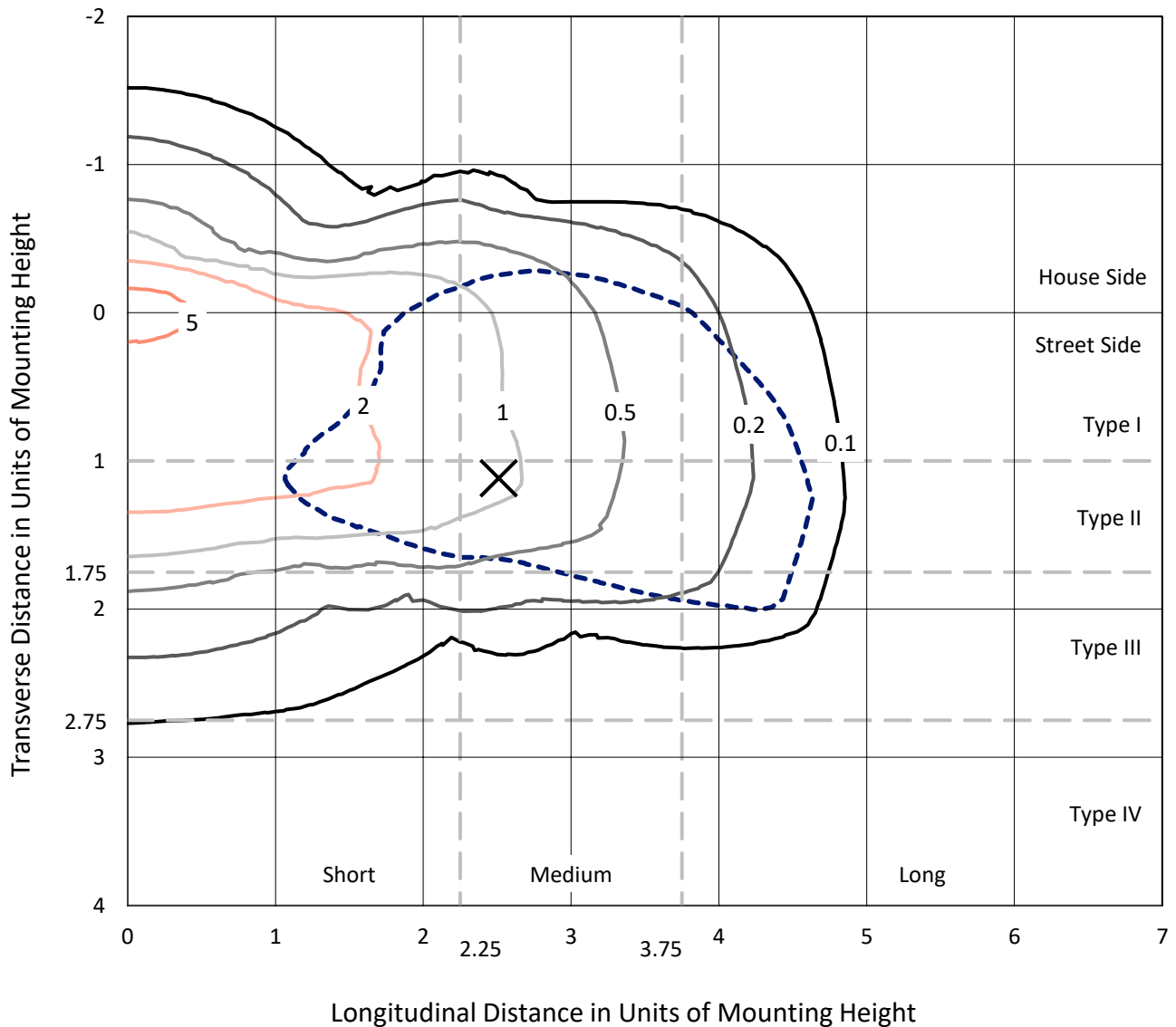
Lumens per Lamp: N/A
Luminaire Lumens: 6921.5 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 56.1
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

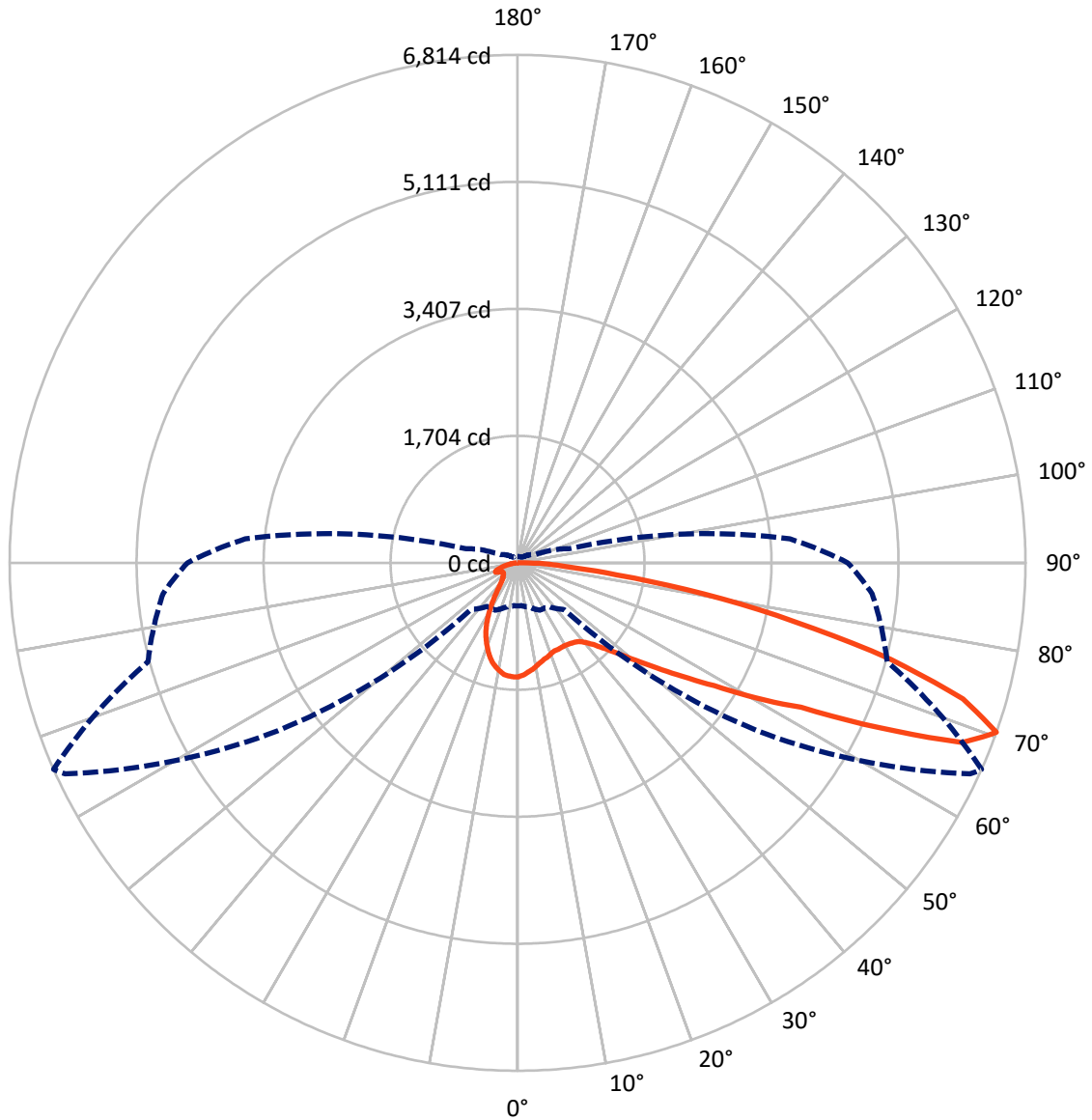
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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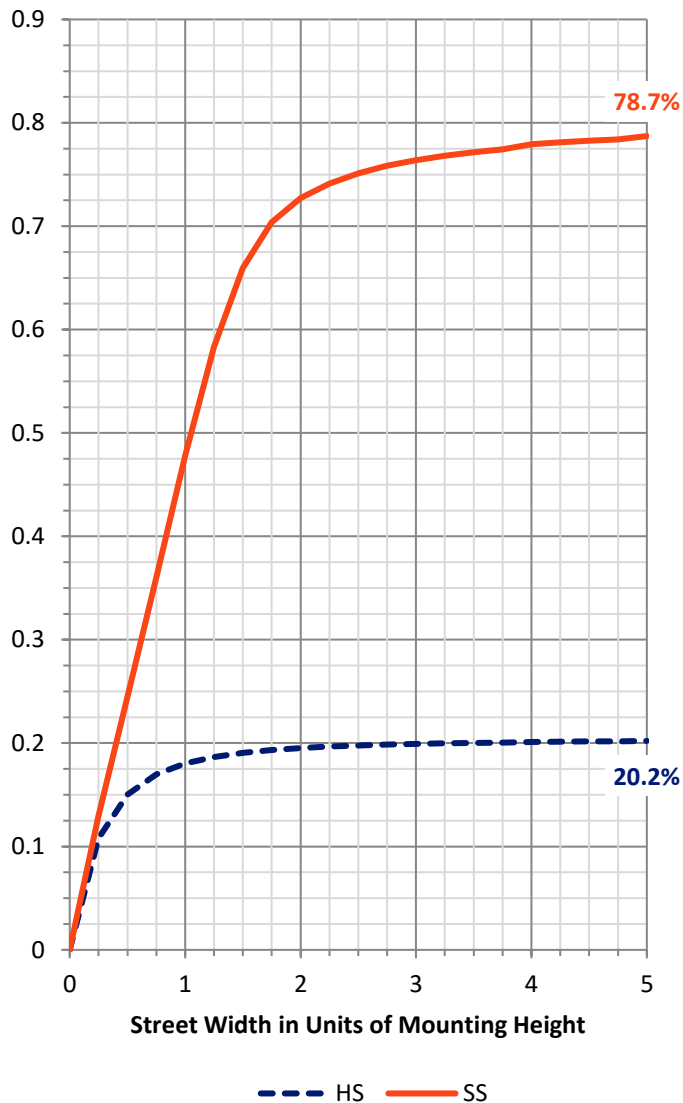
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1416.7	0.0	1416.7
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	5504.8	0.0	5504.8
	% Fixture	79.5	0.0	79.5
Total	Lumens	6921.5	0.0	6921.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.2	2.0
10°-20°	332.9	4.8
20°-30°	457.1	6.6
30°-40°	612.9	8.9
40°-50°	889.3	12.8
50°-60°	1351.7	19.5
60°-70°	1669.4	24.1
70°-80°	1241.4	17.9
80°-90°	231.6	3.3
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°	6921.5	100.0
0°-180°	6921.5	100.0

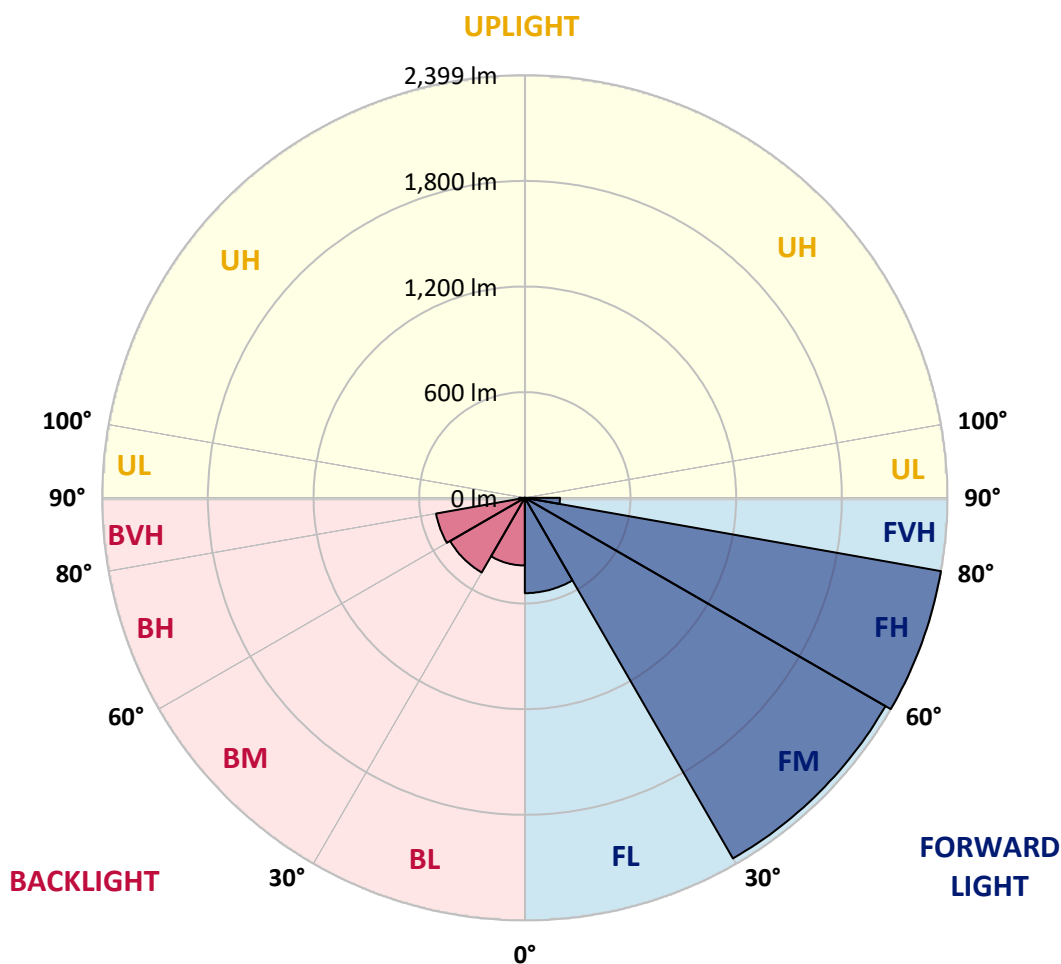


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	541.2	7.8			
FM (30°-60°)	2364.5	34.2			
FH (60°-80°)	2399.5	34.7			G2/5000
FVH (80°-90°)	199.6	2.9			G2/225
BL (0°-30°)	384.0	5.5	B1/500		
BM (30°-60°)	489.4	7.1	B1/1000		
BH (60°-80°)	511.4	7.4	B2/1000		G2/1000
BVH (80°-90°)	32.0	0.5			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1529.2	1529.2	1529.2	1529.2	1529.2	1529.2	1529.2	1529.2	1529.2	1529.2	1529.2
2.5°	1454.5	1462.2	1464.8	1470.0	1482.8	1493.1	1508.6	1516.3	1508.6	1518.9	1518.9
5°	1354.1	1343.8	1369.6	1379.9	1395.3	1415.9	1451.9	1480.3	1472.5	1503.4	1529.2
7.5°	1269.2	1269.2	1276.9	1300.1	1318.1	1349.0	1387.6	1431.3	1444.2	1485.4	1524.0
10°	1191.9	1202.2	1202.2	1238.3	1248.6	1284.6	1349.0	1403.0	1405.6	1475.1	1529.2
12.5°	1150.7	1145.6	1171.3	1181.6	1212.5	1248.6	1300.1	1367.0	1369.6	1444.2	1518.9
15°	1117.3	1122.4	1135.3	1161.0	1189.4	1217.7	1266.6	1328.4	1341.2	1428.8	1513.7
17.5°	1119.8	1122.4	1122.4	1140.4	1163.6	1197.1	1243.4	1315.5	1323.2	1408.2	1506.0
20°	1135.3	1125.0	1132.7	1140.4	1155.9	1186.8	1225.4	1287.2	1294.9	1405.6	1524.0
22.5°	1168.8	1161.0	1158.5	1155.9	1153.3	1171.3	1220.2	1271.7	1279.5	1392.7	1531.7
25°	1222.8	1220.2	1202.2	1184.2	1171.3	1171.3	1210.0	1284.6	1282.0	1392.7	1536.9
27.5°	1287.2	1287.2	1284.6	1251.1	1212.5	1191.9	1217.7	1279.5	1276.9	1392.7	1549.8
30°	1374.7	1374.7	1367.0	1336.1	1266.6	1207.4	1222.8	1274.3	1282.0	1382.4	1539.5
32.5°	1470.0	1467.4	1475.1	1446.8	1374.7	1279.5	1253.7	1284.6	1292.3	1392.7	1542.0
35°	1539.5	1554.9	1580.7	1554.9	1482.8	1354.1	1297.5	1305.2	1310.4	1395.3	1552.3
37.5°	1619.3	1637.3	1673.3	1693.9	1616.7	1467.4	1367.0	1338.7	1338.7	1428.8	1554.9
40°	1735.1	1717.1	1778.9	1814.9	1784.0	1606.4	1475.1	1400.5	1403.0	1472.5	1588.4
42.5°	1820.1	1838.1	1902.5	1966.8	1928.2	1776.3	1593.5	1500.9	1500.9	1536.9	1639.9
45°	1915.3	1935.9	2026.0	2103.3	2131.6	1979.7	1755.7	1645.0	1639.9	1663.0	1732.5
47.5°	2020.9	2049.2	2152.2	2242.3	2316.9	2190.8	1964.2	1820.1	1817.5	1835.5	1887.0
50°	2141.9	2152.2	2237.1	2401.9	2551.2	2471.4	2219.1	2067.2	2054.3	2062.1	2131.6
52.5°	2177.9	2170.2	2268.0	2445.6	2718.5	2813.8	2566.6	2347.8	2342.7	2324.6	2414.8
55°	2046.6	2072.4	2167.6	2394.2	2855.0	3218.0	2947.6	2731.4	2685.1	2636.1	2744.3
57.5°	1784.0	1786.6	1894.7	2162.5	2749.4	3552.6	3593.8	3107.3	3109.8	2978.5	3102.1
60°	1387.6	1379.9	1464.8	1706.8	2448.2	3655.6	4299.2	3707.1	3681.3	3320.9	3434.2
62.5°	1001.4	986.0	1004.0	1145.6	1830.4	3498.6	4991.7	4379.0	4270.9	3671.0	3758.6
65°	823.8	831.5	839.2	847.0	1027.2	2885.9	5205.4	5475.7	5331.5	4080.4	4116.4
67.5°	682.2	687.4	720.8	767.2	762.0	1704.2	4958.2	6490.0	6435.9	4587.5	4425.3
70°	579.2	576.7	615.3	700.2	713.1	885.6	3925.9	6698.5	6814.3	5133.3	4775.4
72.5°	463.4	468.5	502.0	615.3	700.2	746.6	2260.3	6250.6	6248.0	5552.9	4587.5
75°	332.1	332.1	378.4	509.7	677.1	738.8	1251.1	5074.1	5169.3	5218.2	3980.0
77.5°	218.8	229.1	265.2	381.0	635.9	723.4	792.9	3689.1	3807.5	3902.7	3045.5
80°	149.3	154.5	177.6	265.2	538.0	728.5	648.7	2481.7	2528.0	2154.7	1235.7
82.5°	90.1	92.7	118.4	185.4	386.2	692.5	610.1	1369.6	1341.2	651.3	355.3
85°	48.9	51.5	74.7	123.6	254.9	605.0	599.8	671.9	625.6	239.4	149.3
87.5°	18.0	18.0	33.5	61.8	146.7	414.5	522.6	399.0	373.3	121.0	69.5
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°	1529.2	1529.2	1529.2	1529.2	1529.2	1529.2	1529.2	1529.2	1529.2	1529.2	1529.2
2.5°	1531.7	1531.7	1531.7	1531.7	1529.2	1518.9	1526.6	1524.0	1508.6	1511.2	1500.9
5°	1526.6	1539.5	1531.7	1521.4	1508.6	1477.7	1467.4	1459.7	1439.1	1431.3	1439.1
7.5°	1539.5	1529.2	1524.0	1506.0	1454.5	1426.2	1390.2	1346.4	1315.5	1307.8	1315.5
10°	1536.9	1536.9	1513.7	1462.2	1413.3	1330.9	1284.6	1207.4	1163.6	1150.7	1153.3
12.5°	1526.6	1534.3	1498.3	1415.9	1323.2	1222.8	1137.9	1055.5	978.3	947.4	942.2
15°	1536.9	1529.2	1464.8	1359.3	1230.5	1091.5	968.0	847.0	774.9	728.5	718.2
17.5°	1521.4	1513.7	1421.0	1282.0	1109.6	931.9	777.5	646.2	574.1	556.1	556.1
20°	1539.5	1490.6	1369.6	1189.4	983.4	756.9	581.8	484.0	466.0	466.0	471.1
22.5°	1536.9	1485.4	1325.8	1099.3	831.5	571.5	432.5	404.2	406.7	427.3	424.8
25°	1521.4	1475.1	1264.0	998.9	671.9	429.9	357.8	350.1	368.1	391.3	388.7
27.5°	1518.9	1446.8	1207.4	880.4	512.3	339.8	311.5	311.5	329.5	350.1	347.5
30°	1503.4	1423.6	1137.9	746.6	386.2	296.1	285.8	285.8	293.5	303.8	303.8
32.5°	1500.9	1392.7	1060.6	607.5	308.9	267.7	262.6	265.2	265.2	270.3	267.7
35°	1480.3	1351.5	980.8	471.1	267.7	252.3	247.1	244.6	244.6	242.0	242.0
37.5°	1472.5	1325.8	898.5	365.6	249.7	239.4	234.3	226.5	224.0	224.0	221.4
40°	1480.3	1300.1	818.6	296.1	234.3	229.1	221.4	211.1	208.5	208.5	208.5
42.5°	1508.6	1297.5	736.3	257.4	226.5	218.8	208.5	198.2	195.7	198.2	195.7
45°	1572.9	1318.1	656.5	239.4	216.2	208.5	195.7	187.9	185.4	187.9	187.9
47.5°	1678.5	1374.7	584.4	229.1	208.5	198.2	185.4	177.6	177.6	177.6	177.6
50°	1853.5	1482.8	514.9	221.4	203.4	190.5	177.6	167.3	164.8	164.8	167.3
52.5°	2116.1	1668.2	458.2	216.2	195.7	180.2	167.3	159.6	154.5	151.9	154.5
55°	2432.8	1938.5	440.2	211.1	185.4	172.5	159.6	149.3	144.2	144.2	141.6
57.5°	2772.6	2237.1	471.1	205.9	177.6	162.2	149.3	139.0	133.9	131.3	131.3
60°	3140.7	2589.8	584.4	203.4	169.9	151.9	139.0	131.3	123.6	121.0	121.0
62.5°	3475.4	2909.0	787.8	200.8	164.8	141.6	128.7	118.4	113.3	110.7	110.7
65°	3856.4	3264.3	986.0	211.1	162.2	133.9	118.4	108.1	103.0	100.4	100.4
67.5°	4188.5	3573.2	1101.8	236.8	169.9	123.6	105.5	97.8	95.3	92.7	92.7
70°	4430.5	3668.5	738.8	260.0	182.8	115.8	95.3	90.1	85.0	85.0	85.0
72.5°	4106.1	3274.6	437.6	244.6	172.5	108.1	85.0	79.8	77.2	77.2	74.7
75°	3511.4	2788.0	337.2	198.2	139.0	92.7	74.7	69.5	66.9	66.9	64.4
77.5°	2592.4	1997.7	249.7	157.0	108.1	74.7	64.4	61.8	59.2	56.6	56.6
80°	1014.3	875.3	169.9	115.8	79.8	59.2	54.1	51.5	48.9	46.3	46.3
82.5°	314.1	265.2	97.8	77.2	56.6	46.3	43.8	41.2	38.6	36.0	36.0
85°	136.4	131.3	64.4	48.9	38.6	30.9	30.9	28.3	25.7	23.2	23.2
87.5°	66.9	64.4	36.0	23.2	20.6	15.4	15.4	12.9	10.3	10.3	10.3
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)