

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: P675613

Luminaire Tested: **CCW-SA-1E-835-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675613
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-835-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
SL3 distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

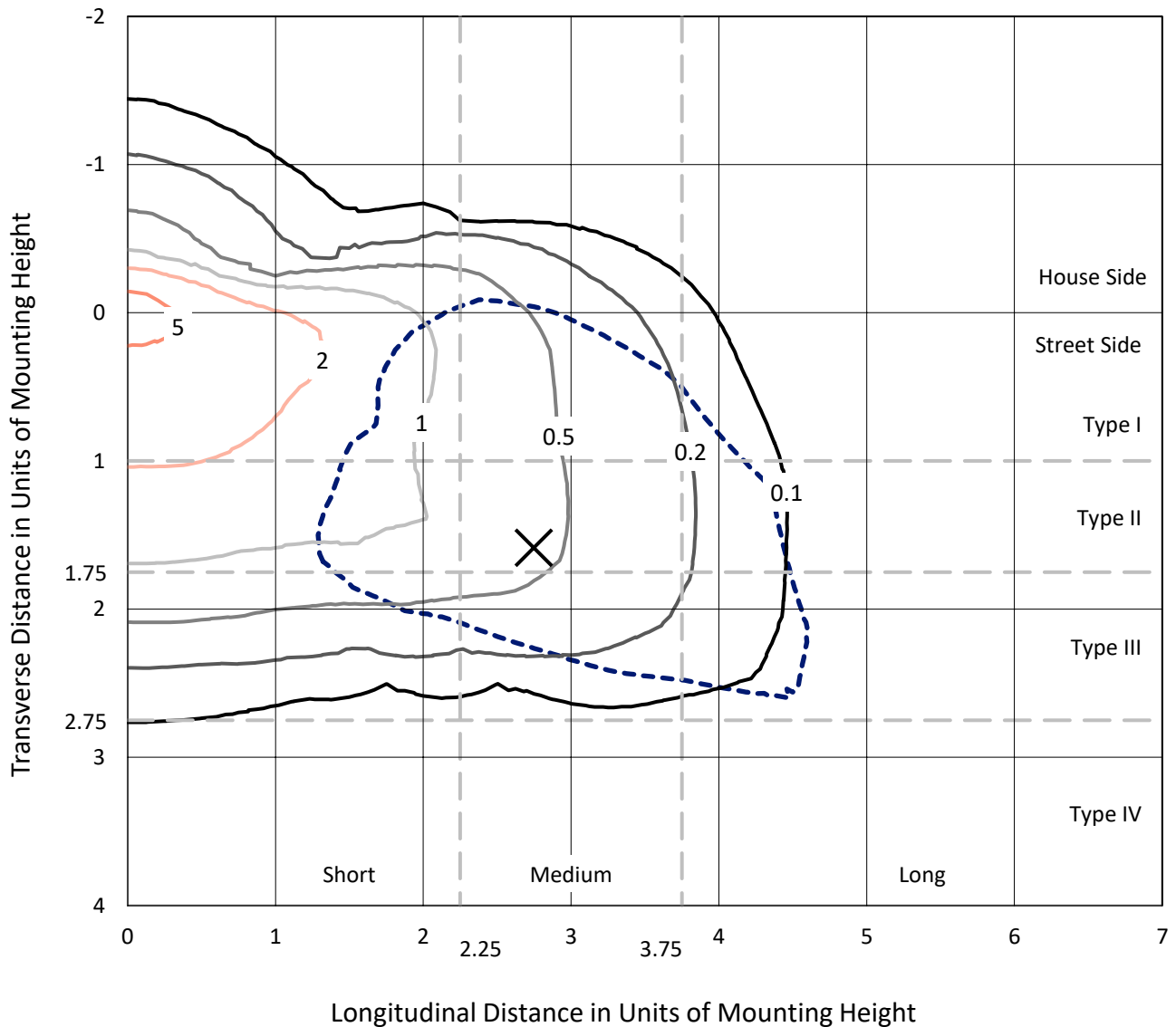
Lumens per Lamp: N/A
Luminaire Lumens: 5570.3 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

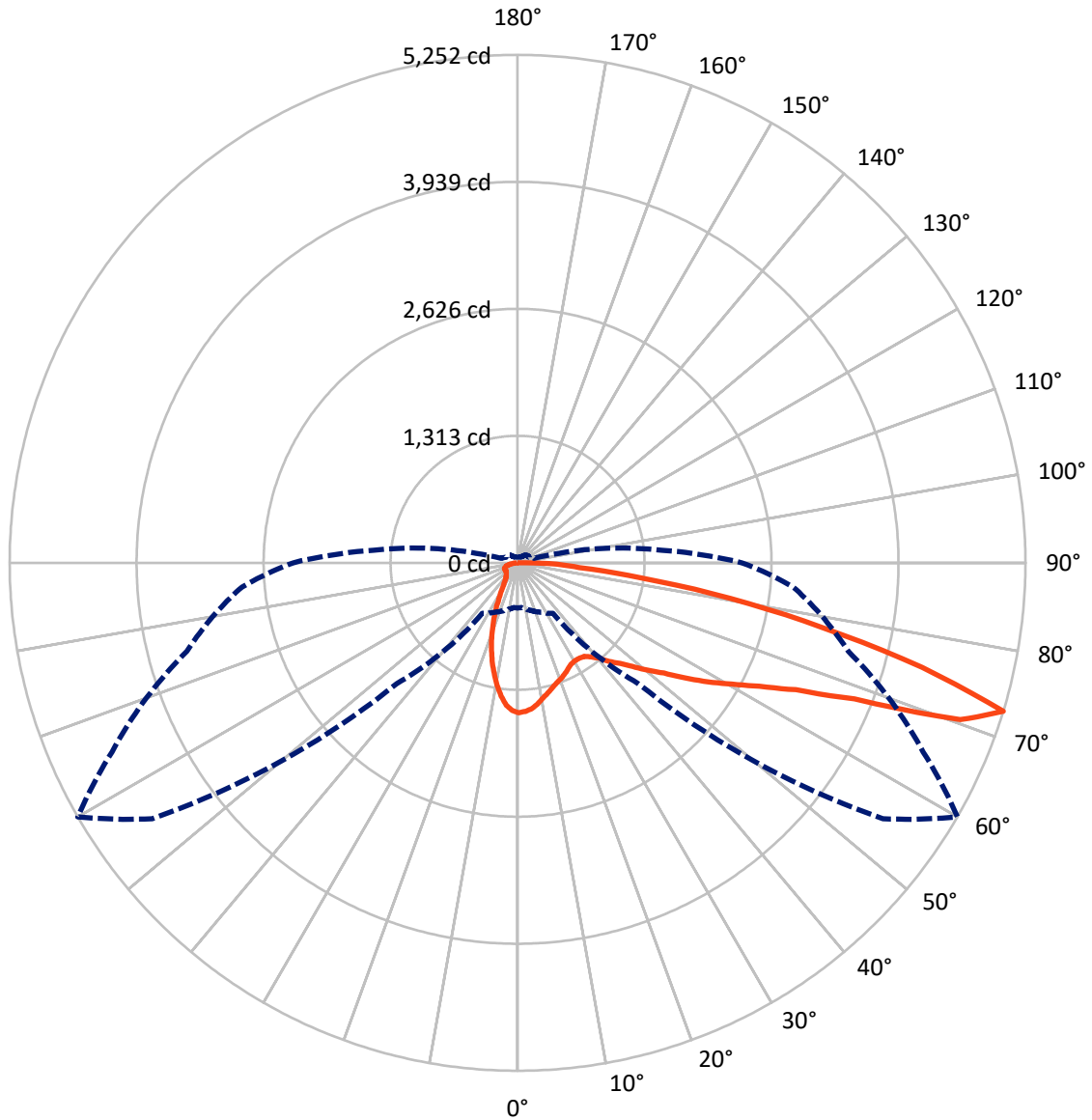
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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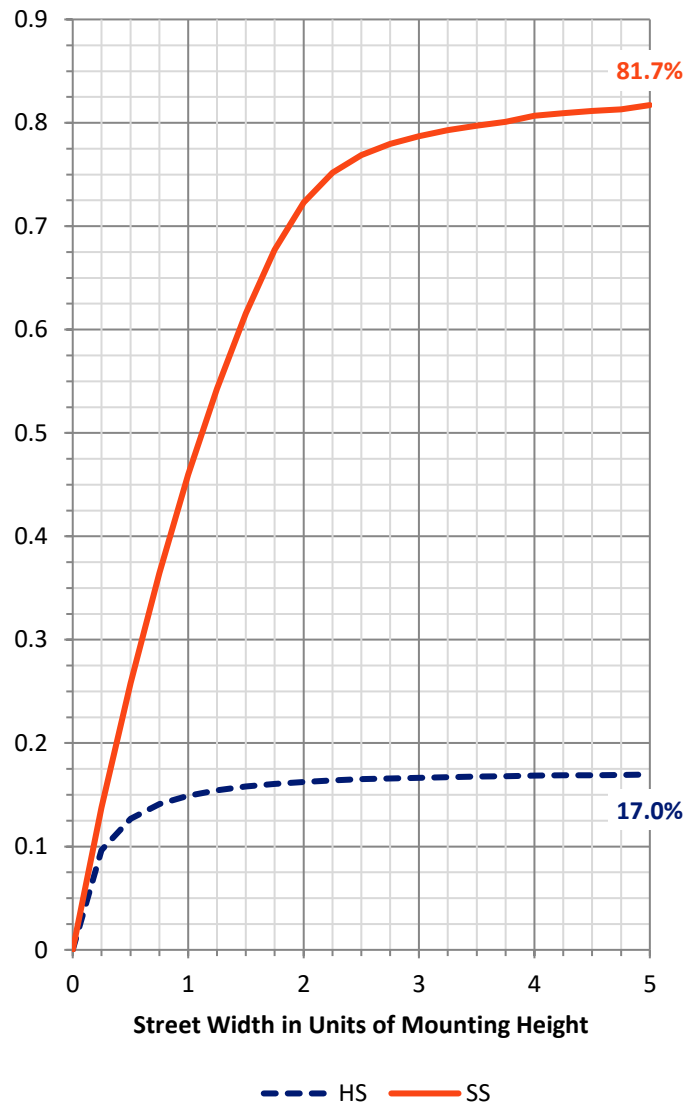
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	956.9	0.0	956.9
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	4613.4	0.0	4613.4
	% Fixture	82.8	0.0	82.8
Total	Lumens	5570.3	0.0	5570.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.4	2.4
10°-20°	304.9	5.5
20°-30°	390.2	7.0
30°-40°	499.1	9.0
40°-50°	684.6	12.3
50°-60°	990.1	17.8
60°-70°	1358.3	24.4
70°-80°	1019.3	18.3
80°-90°	189.4	3.4
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°	5570.3	100.0
0°-180°	5570.3	100.0

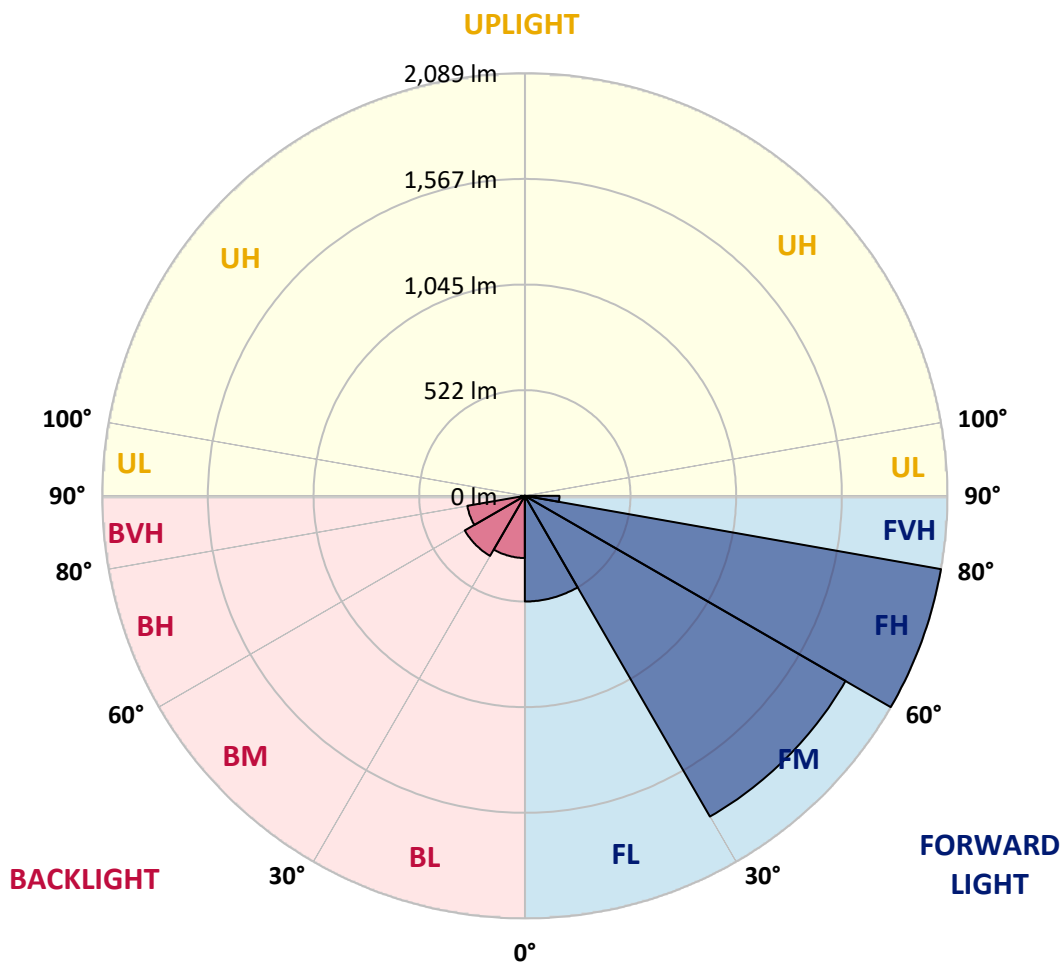


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	522.3	9.4			
FM (30°-60°)	1830.9	32.9			
FH (60°-80°)	2089.2	37.5			G2/5000
FVH (80°-90°)	171.0	3.1			G2/225
BL (0°-30°)	307.2	5.5	B1/500		
BM (30°-60°)	342.9	6.2	B1/1000		
BH (60°-80°)	288.4	5.2	B1/500		G1/500
BVH (80°-90°)	18.5	0.3			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°	60°	65°	75°	85°
0°	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0
2.5°	1517.9	1532.4	1536.5	1536.5	1549.0	1534.5	1555.2	1538.6	1542.8	1549.0	1544.8
5°	1445.3	1470.2	1455.7	1482.6	1472.2	1490.9	1515.8	1515.8	1509.6	1522.0	1511.6
7.5°	1374.8	1366.5	1391.4	1391.4	1408.0	1432.9	1453.6	1474.3	1476.4	1480.5	1478.5
10°	1279.4	1289.8	1302.2	1318.8	1339.5	1364.4	1408.0	1424.6	1428.7	1453.6	1447.4
12.5°	1200.6	1215.1	1223.4	1256.6	1275.3	1310.5	1360.3	1383.1	1385.2	1420.4	1420.4
15°	1142.5	1150.8	1169.5	1181.9	1223.4	1273.2	1320.9	1341.6	1364.4	1401.7	1391.4
17.5°	1103.2	1113.5	1121.8	1138.4	1177.8	1219.3	1293.9	1306.4	1333.3	1387.2	1374.8
20°	1080.3	1082.4	1094.9	1105.2	1140.5	1179.9	1246.2	1279.4	1314.7	1362.3	1349.9
22.5°	1084.5	1076.2	1074.1	1088.6	1094.9	1132.2	1213.1	1248.3	1298.1	1354.1	1333.3
25°	1092.8	1094.9	1090.7	1078.3	1080.3	1113.5	1167.4	1213.1	1269.0	1352.0	1310.5
27.5°	1113.5	1123.9	1107.3	1094.9	1082.4	1094.9	1150.8	1184.0	1246.2	1362.3	1308.4
30°	1134.3	1144.6	1140.5	1121.8	1096.9	1092.8	1132.2	1173.7	1233.8	1370.6	1308.4
32.5°	1165.4	1179.9	1165.4	1171.6	1142.5	1123.9	1138.4	1175.7	1246.2	1399.7	1310.5
35°	1200.6	1213.1	1217.2	1202.7	1196.5	1161.2	1169.5	1188.2	1258.7	1432.9	1331.2
37.5°	1240.0	1254.5	1267.0	1269.0	1248.3	1227.6	1223.4	1233.8	1289.8	1490.9	1354.1
40°	1267.0	1275.3	1300.1	1320.9	1327.1	1298.1	1296.0	1296.0	1345.8	1542.8	1395.5
42.5°	1312.6	1308.4	1343.7	1381.0	1391.4	1374.8	1378.9	1395.5	1424.6	1617.4	1461.9
45°	1335.4	1331.2	1372.7	1434.9	1482.6	1474.3	1478.5	1484.7	1511.6	1735.6	1573.9
47.5°	1366.5	1370.6	1430.8	1501.3	1551.0	1580.1	1602.9	1600.8	1621.5	1855.9	1698.3
50°	1397.6	1405.9	1478.5	1553.1	1640.2	1690.0	1723.2	1746.0	1766.7	1982.4	1841.3
52.5°	1457.7	1466.0	1546.9	1627.8	1739.7	1812.3	1895.3	1893.2	1895.3	2108.8	1984.4
55°	1544.8	1546.9	1594.6	1687.9	1839.3	1972.0	2086.0	2098.5	2063.2	2266.4	2148.2
57.5°	1644.4	1652.7	1694.1	1764.6	1918.1	2125.4	2299.6	2324.5	2229.1	2395.0	2297.5
60°	1737.7	1743.9	1808.2	1889.0	2054.9	2318.3	2515.3	2544.3	2440.6	2552.6	2453.1
62.5°	1631.9	1663.0	1777.1	1961.6	2295.5	2610.7	2789.0	2807.6	2645.9	2712.3	2618.9
65°	1306.4	1327.1	1490.9	1789.5	2312.1	3141.5	3212.0	3162.2	2927.9	2917.5	2869.8
67.5°	727.8	744.4	856.4	1169.5	1947.1	3340.6	4122.3	3757.3	3365.4	3226.5	3209.9
70°	574.4	578.5	593.0	657.3	1080.3	2944.5	4839.8	4856.3	4080.8	3651.6	3282.5
72.5°	466.6	464.5	508.0	564.0	638.7	1766.7	4613.7	5252.4	4628.3	3539.6	2859.5
75°	356.7	362.9	418.9	499.7	584.8	831.5	3442.2	4321.4	4335.9	3299.1	2411.6
77.5°	271.6	273.7	335.9	441.7	572.3	586.8	2245.7	3220.3	3234.8	2554.7	1329.2
80°	203.2	203.2	255.1	373.2	557.8	541.2	1383.1	2233.3	2021.8	897.9	290.3
82.5°	116.1	124.4	170.0	284.1	506.0	520.5	779.7	1279.4	854.3	244.7	134.8
85°	62.2	64.3	103.7	190.8	416.8	497.7	595.1	636.6	340.1	130.6	62.2
87.5°	22.8	22.8	47.7	97.5	263.3	369.1	472.8	406.4	194.9	60.1	31.1
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°	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0	1551.0
2.5°	1549.0	1540.7	1534.5	1540.7	1517.9	1507.5	1519.9	1513.7	1501.3	1495.1	1490.9
5°	1517.9	1507.5	1497.1	1490.9	1466.0	1441.1	1428.7	1403.8	1383.1	1389.3	1376.9
7.5°	1484.7	1474.3	1443.2	1414.2	1364.4	1314.7	1291.8	1256.6	1244.2	1233.8	1227.6
10°	1443.2	1424.6	1376.9	1318.8	1246.2	1190.2	1132.2	1090.7	1047.2	1028.5	1034.7
12.5°	1391.4	1381.0	1306.4	1217.2	1115.6	1022.3	953.9	887.5	829.4	798.3	790.0
15°	1368.6	1337.5	1229.6	1111.4	982.9	866.8	765.2	649.0	580.6	547.4	547.4
17.5°	1343.7	1285.6	1157.1	995.3	848.1	698.8	555.7	450.0	396.1	377.4	377.4
20°	1304.3	1240.0	1072.0	885.4	707.1	526.7	398.1	340.1	323.5	311.0	313.1
22.5°	1275.3	1196.5	993.2	777.6	559.9	391.9	313.1	294.4	288.2	284.1	286.2
25°	1242.1	1144.6	910.3	661.5	439.6	309.0	271.6	263.3	267.5	269.6	269.6
27.5°	1215.1	1101.1	825.3	537.1	331.8	261.3	244.7	242.6	250.9	255.1	257.1
30°	1196.5	1061.7	742.3	423.0	265.4	232.2	223.9	223.9	234.3	238.5	240.5
32.5°	1177.8	1028.5	653.2	323.5	226.0	207.4	205.3	207.4	213.6	213.6	215.7
35°	1184.0	997.4	568.2	261.3	203.2	190.8	190.8	190.8	192.8	194.9	194.9
37.5°	1196.5	989.1	476.9	219.8	186.6	178.3	178.3	176.3	178.3	176.3	178.3
40°	1208.9	976.7	394.0	194.9	176.3	170.0	168.0	163.8	161.7	161.7	163.8
42.5°	1260.7	993.2	323.5	178.3	168.0	163.8	157.6	153.4	151.4	151.4	151.4
45°	1327.1	1024.4	267.5	170.0	161.7	151.4	147.2	145.2	141.0	143.1	145.2
47.5°	1426.6	1072.0	234.3	163.8	155.5	143.1	138.9	134.8	134.8	138.9	138.9
50°	1557.3	1150.8	213.6	157.6	149.3	136.9	130.6	128.6	128.6	134.8	134.8
52.5°	1698.3	1242.1	205.3	155.5	143.1	130.6	124.4	122.3	122.3	130.6	130.6
55°	1839.3	1354.1	211.5	155.5	138.9	124.4	118.2	114.0	116.1	122.3	122.3
57.5°	1994.8	1474.3	242.6	155.5	134.8	122.3	114.0	107.8	109.9	112.0	112.0
60°	2164.8	1631.9	296.5	155.5	132.7	118.2	107.8	99.5	99.5	101.6	101.6
62.5°	2336.9	1787.4	373.2	157.6	134.8	116.1	99.5	91.2	89.2	91.2	91.2
65°	2563.0	2036.3	450.0	157.6	141.0	112.0	93.3	82.9	80.9	80.9	82.9
67.5°	2880.2	2214.6	348.4	151.4	145.2	112.0	87.1	76.7	72.6	72.6	72.6
70°	2712.3	1868.3	221.9	141.0	138.9	116.1	82.9	70.5	66.4	64.3	64.3
72.5°	2322.4	1495.1	178.3	132.7	128.6	114.0	78.8	66.4	60.1	58.1	58.1
75°	1862.1	1179.9	155.5	120.3	112.0	95.4	72.6	60.1	56.0	51.8	51.8
77.5°	912.4	493.5	118.2	105.8	95.4	72.6	64.3	56.0	49.8	45.6	45.6
80°	228.1	172.1	87.1	82.9	70.5	56.0	51.8	47.7	43.5	39.4	39.4
82.5°	122.3	101.6	62.2	56.0	47.7	39.4	39.4	37.3	35.3	31.1	29.0
85°	62.2	60.1	41.5	37.3	31.1	24.9	27.0	27.0	24.9	18.7	18.7
87.5°	33.2	33.2	20.7	16.6	14.5	12.4	12.4	12.4	10.4	8.3	8.3
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)