

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: P677054

Luminaire Tested: **CCW-SA-1F-835-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677054
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-835-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1200mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

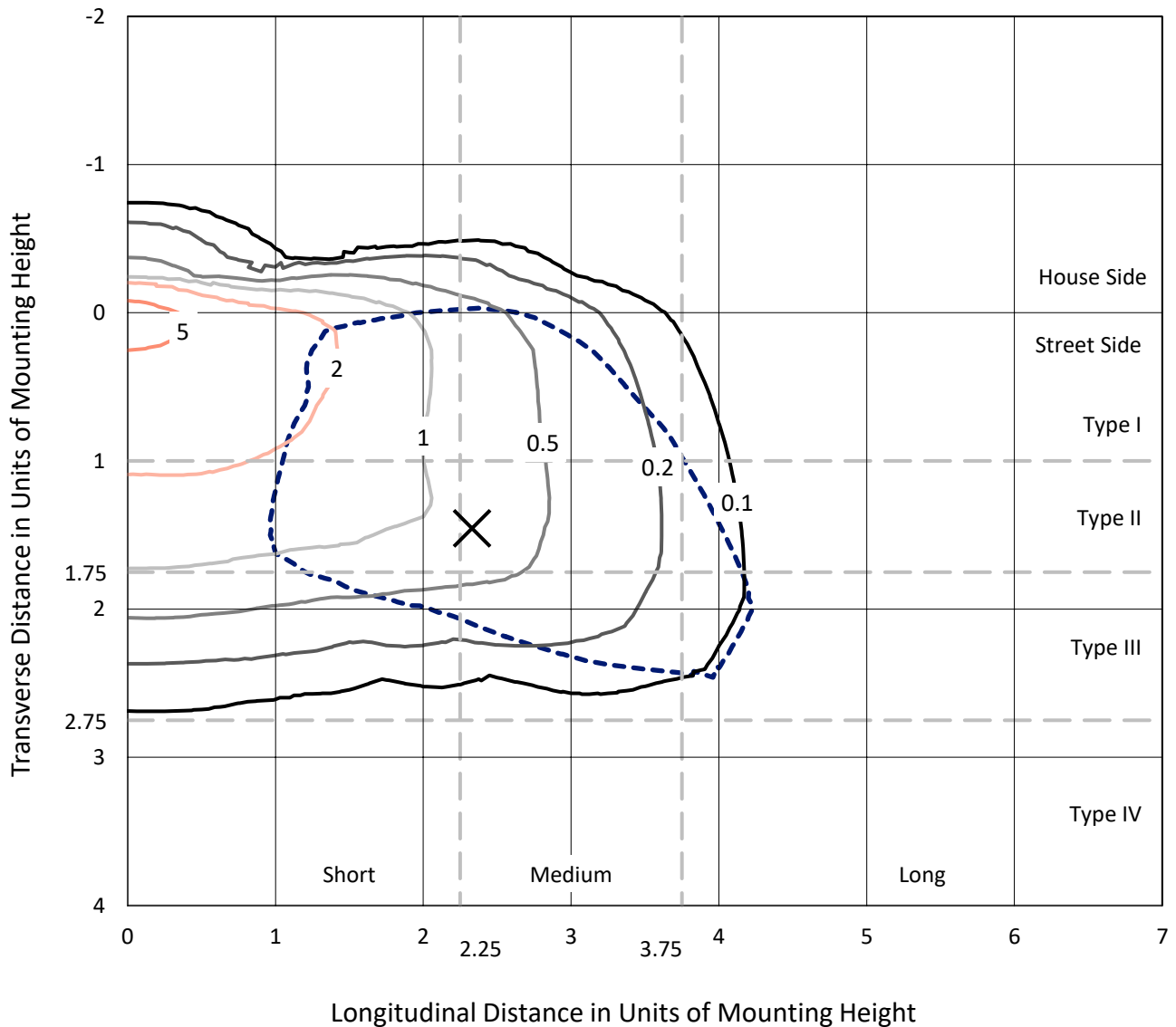
Lumens per Lamp: N/A
Luminaire Lumens: 5105.2 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

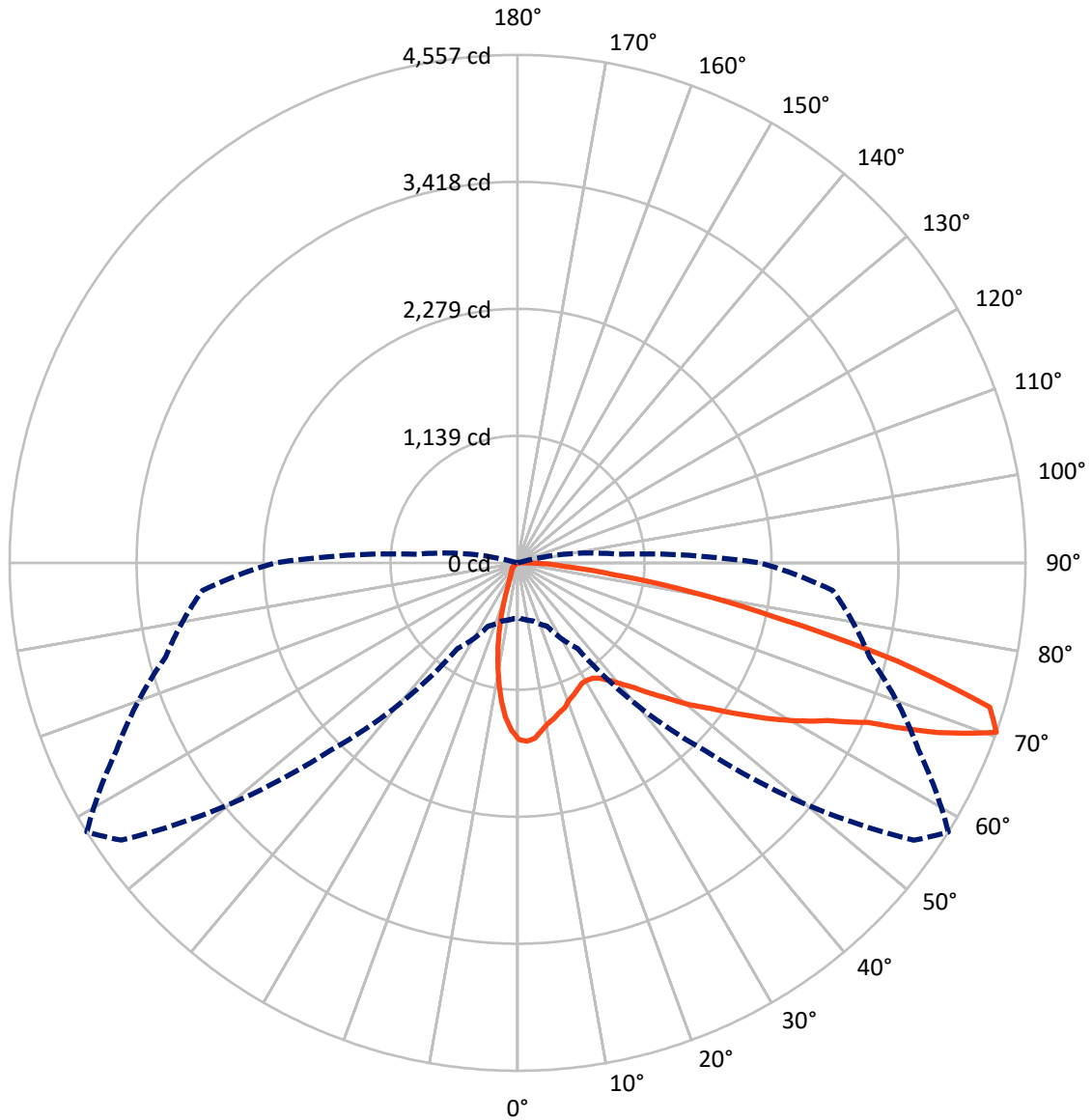
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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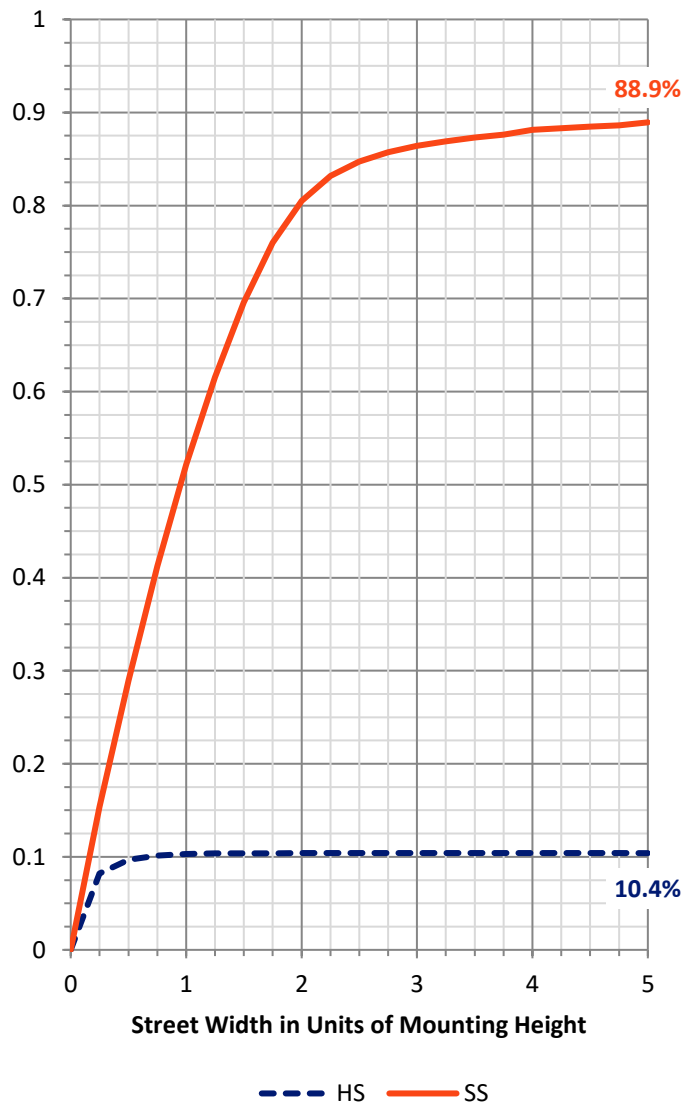
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	534.6	0.0	534.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	4570.6	0.0	4570.6
	% Fixture	89.5	0.0	89.5
Total	Lumens	5105.2	0.0	5105.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	2.5
10°-20°	269.2	5.3
20°-30°	360.5	7.1
30°-40°	487.3	9.5
40°-50°	699.3	13.7
50°-60°	1030.6	20.2
60°-70°	1257.1	24.6
70°-80°	767.6	15.0
80°-90°	104.3	2.0
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°	5105.2	100.0
0°-180°	5105.2	100.0

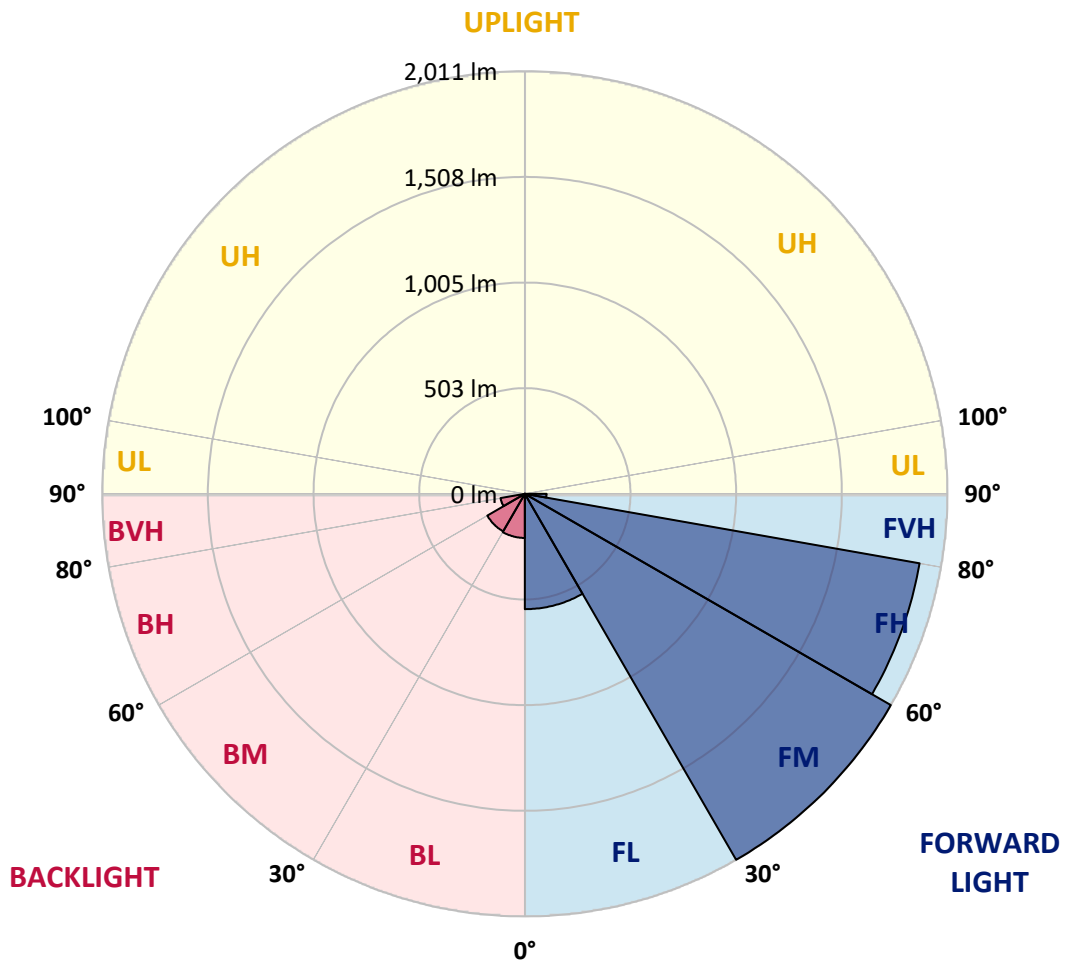


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	548.9	10.8			
FM (30°-60°)	2010.9	39.4			
FH (60°-80°)	1907.6	37.4			G2/5000
FVH (80°-90°)	103.3	2.0			G2/225
BL (0°-30°)	210.1	4.1	B1/500		
BM (30°-60°)	206.3	4.0	B0/220		
BH (60°-80°)	117.2	2.3	B1/500		G1/500
BVH (80°-90°)	1.0	0.0			G0/10
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°	58°	65°	75°	85°
0°	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8
2.5°	1613.5	1619.5	1605.2	1621.9	1606.4	1613.5	1605.2	1602.8	1604.0	1605.2	1595.6
5°	1538.1	1552.5	1558.5	1548.9	1571.7	1568.1	1582.4	1583.6	1577.6	1571.7	1572.8
7.5°	1438.8	1453.2	1459.1	1465.1	1487.9	1517.8	1536.9	1525.0	1534.5	1556.1	1523.8
10°	1367.0	1363.4	1362.2	1374.1	1417.2	1442.4	1474.7	1471.1	1495.0	1515.4	1489.1
12.5°	1278.4	1271.2	1292.8	1302.3	1340.6	1384.9	1410.1	1436.4	1460.3	1481.9	1452.0
15°	1212.6	1218.5	1226.9	1247.3	1274.8	1333.5	1370.6	1395.7	1438.8	1449.6	1437.6
17.5°	1159.9	1164.7	1176.6	1187.4	1222.1	1278.4	1337.0	1367.0	1412.5	1441.2	1404.1
20°	1161.1	1146.7	1146.7	1157.5	1176.6	1243.7	1305.9	1315.5	1377.7	1426.8	1401.7
22.5°	1162.3	1157.5	1146.7	1145.5	1153.9	1201.8	1265.2	1286.8	1353.8	1411.3	1381.3
25°	1179.0	1161.1	1162.3	1145.5	1149.1	1173.1	1223.3	1255.6	1332.3	1419.6	1370.6
27.5°	1193.4	1201.8	1185.0	1177.8	1157.5	1156.3	1198.2	1225.7	1321.5	1438.8	1377.7
30°	1225.7	1231.7	1231.7	1226.9	1207.8	1180.2	1189.8	1224.5	1299.9	1435.2	1365.8
32.5°	1279.6	1268.8	1283.2	1276.0	1250.9	1207.8	1216.1	1234.1	1313.1	1480.7	1384.9
35°	1297.5	1305.9	1325.1	1309.5	1301.1	1276.0	1259.2	1272.4	1332.3	1526.2	1413.6
37.5°	1352.6	1340.6	1353.8	1388.5	1396.9	1351.4	1319.1	1338.2	1404.1	1580.0	1440.0
40°	1357.4	1367.0	1390.9	1459.1	1467.5	1448.4	1422.0	1426.8	1475.9	1649.5	1505.8
42.5°	1381.3	1392.1	1441.2	1498.6	1544.1	1547.7	1528.6	1528.6	1570.5	1760.8	1578.8
45°	1428.0	1410.1	1473.5	1570.5	1636.3	1649.5	1674.6	1668.6	1702.1	1878.1	1715.3
47.5°	1446.0	1452.0	1521.4	1638.7	1714.1	1775.1	1817.0	1818.2	1835.0	2027.7	1892.4
50°	1504.6	1503.4	1587.2	1696.1	1807.5	1918.8	2000.2	2000.2	1999.0	2173.7	2044.5
52.5°	1582.4	1580.0	1644.7	1773.9	1918.8	2058.8	2166.6	2170.1	2197.7	2353.3	2219.2
55°	1709.3	1698.5	1760.8	1856.5	2030.1	2200.1	2386.8	2388.0	2366.5	2481.4	2344.9
57.5°	1815.8	1814.6	1866.1	1958.3	2154.6	2382.0	2598.7	2631.0	2562.8	2613.0	2445.5
60°	1788.3	1803.9	1910.4	2046.9	2286.3	2609.4	2827.3	2877.6	2768.6	2702.8	2520.9
62.5°	1617.1	1653.0	1769.2	1987.0	2397.6	2939.8	3142.1	3119.4	2876.4	2779.4	2613.0
65°	1163.5	1199.4	1343.0	1669.8	2268.3	3173.2	3556.3	3453.3	3067.9	2893.1	2736.3
67.5°	684.7	699.0	788.8	1065.3	1696.1	3046.3	4059.0	4067.4	3444.9	3067.9	2949.4
70°	494.4	505.1	539.8	628.4	939.6	2388.0	4339.1	4557.0	3968.0	3269.0	2836.9
72.5°	379.4	379.4	438.1	523.1	598.5	1430.4	3993.2	4430.1	4081.7	3076.3	2286.3
75°	272.9	280.1	343.5	450.1	551.8	718.2	2942.2	3515.6	3459.3	2493.3	1596.8
77.5°	156.8	160.4	241.8	377.1	518.3	493.2	1818.2	2383.2	2450.2	1560.9	691.9
80°	80.2	82.6	135.3	298.1	469.2	429.7	1084.5	1569.3	1331.1	453.7	160.4
82.5°	39.5	39.5	61.0	190.3	398.6	380.6	638.0	866.6	471.6	104.1	67.0
85°	13.2	14.4	27.5	107.7	288.5	229.8	390.2	411.8	158.0	39.5	37.1
87.5°	3.6	4.8	7.2	39.5	125.7	150.8	232.2	263.3	64.6	15.6	18.0
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°	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8
2.5°	1559.7	1551.3	1541.7	1517.8	1498.6	1473.5	1456.7	1443.6	1418.4	1423.2	1412.5
5°	1544.1	1528.6	1473.5	1420.8	1373.0	1299.9	1249.7	1217.3	1191.0	1164.7	1183.8
7.5°	1516.6	1479.5	1393.3	1295.1	1193.4	1097.6	1001.9	944.4	902.5	864.2	863.0
10°	1469.9	1410.1	1274.8	1146.7	989.9	864.2	742.1	646.4	584.1	538.6	537.5
12.5°	1417.2	1355.0	1185.0	976.7	796.0	618.8	472.8	371.1	312.4	276.5	271.7
15°	1383.7	1292.8	1072.5	825.9	602.1	403.4	262.1	198.7	176.0	167.6	167.6
17.5°	1340.6	1236.5	961.2	669.1	417.8	233.4	170.0	153.2	152.0	149.6	147.2
20°	1322.7	1193.4	861.8	533.9	264.5	165.2	146.0	142.4	142.4	140.0	137.7
22.5°	1274.8	1131.2	756.5	391.4	176.0	144.8	137.7	132.9	130.5	128.1	130.5
25°	1253.3	1086.9	657.1	270.5	143.6	129.3	125.7	120.9	117.3	116.1	116.1
27.5°	1238.9	1042.6	560.2	187.9	126.9	118.5	111.3	107.7	102.9	98.2	98.2
30°	1228.1	1007.9	466.8	138.9	113.7	105.3	99.4	91.0	85.0	80.2	80.2
32.5°	1213.8	967.2	373.5	118.5	102.9	94.6	83.8	76.6	68.2	64.6	64.6
35°	1218.5	939.6	293.3	105.3	92.2	81.4	71.8	62.2	53.9	50.3	49.1
37.5°	1228.1	919.3	222.6	94.6	82.6	70.6	59.8	49.1	44.3	39.5	39.5
40°	1268.8	913.3	164.0	87.4	75.4	62.2	50.3	40.7	35.9	32.3	31.1
42.5°	1337.0	921.7	126.9	79.0	68.2	52.7	41.9	33.5	28.7	25.1	23.9
45°	1424.4	954.0	104.1	74.2	59.8	44.3	33.5	27.5	21.5	19.2	19.2
47.5°	1551.3	1004.3	91.0	68.2	52.7	37.1	28.7	21.5	16.8	14.4	14.4
50°	1694.9	1061.7	80.2	61.0	45.5	31.1	22.7	16.8	12.0	10.8	10.8
52.5°	1838.6	1134.7	74.2	56.3	39.5	25.1	18.0	12.0	8.4	7.2	7.2
55°	1989.4	1199.4	67.0	52.7	32.3	20.3	13.2	7.2	4.8	3.6	3.6
57.5°	2094.7	1224.5	58.7	45.5	25.1	15.6	9.6	4.8	2.4	1.2	1.2
60°	2170.1	1228.1	50.3	37.1	19.2	12.0	6.0	2.4	1.2	0.0	0.0
62.5°	2233.6	1235.3	43.1	28.7	14.4	8.4	3.6	1.2	0.0	0.0	0.0
65°	2359.3	1229.3	34.7	22.7	9.6	4.8	2.4	0.0	0.0	0.0	0.0
67.5°	2458.6	1169.5	27.5	15.6	6.0	2.4	1.2	0.0	0.0	0.0	0.0
70°	2174.9	891.8	21.5	10.8	3.6	1.2	0.0	0.0	0.0	0.0	0.0
72.5°	1708.1	594.9	14.4	6.0	2.4	1.2	0.0	0.0	0.0	0.0	0.0
75°	1120.4	295.7	10.8	3.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	435.7	77.8	7.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	105.3	26.3	3.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	45.5	9.6	2.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	27.5	4.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.4	2.4	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)