

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: P676987

Luminaire Tested: **CCW-SA-1E-735-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676987
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-735-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

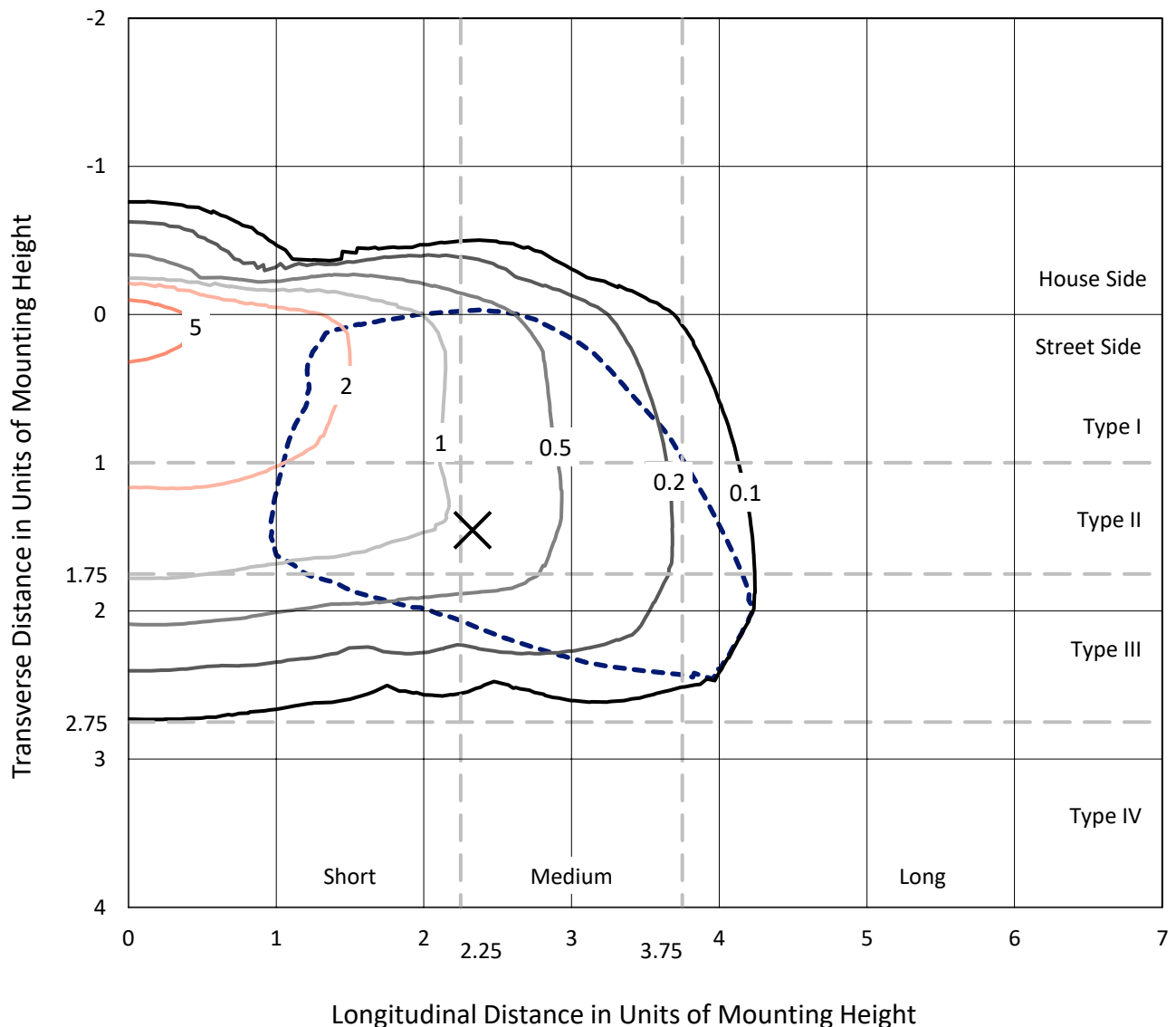
Lumens per Lamp: N/A
Luminaire Lumens: 5572.3 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (A_{in}): 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

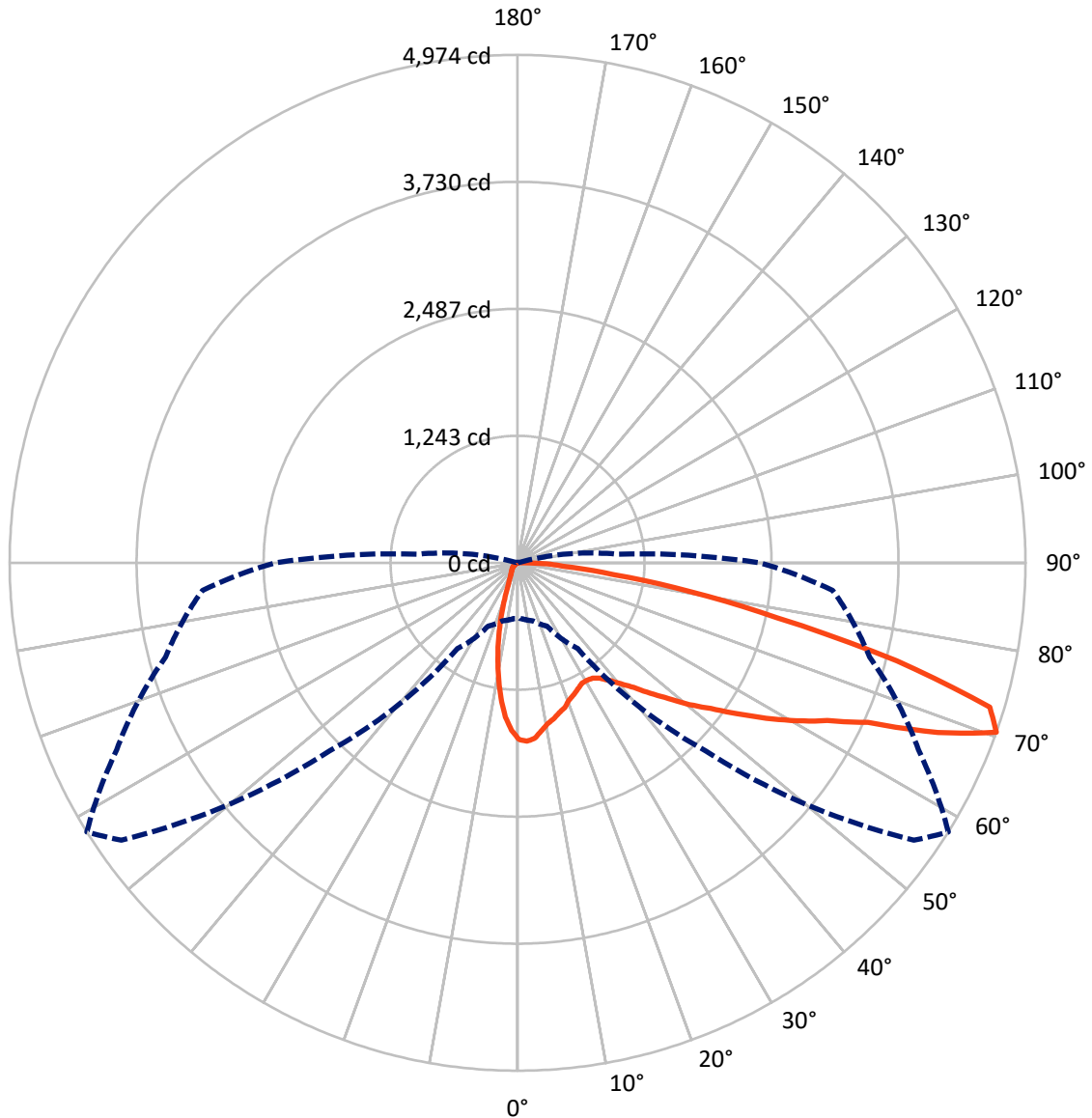
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.7 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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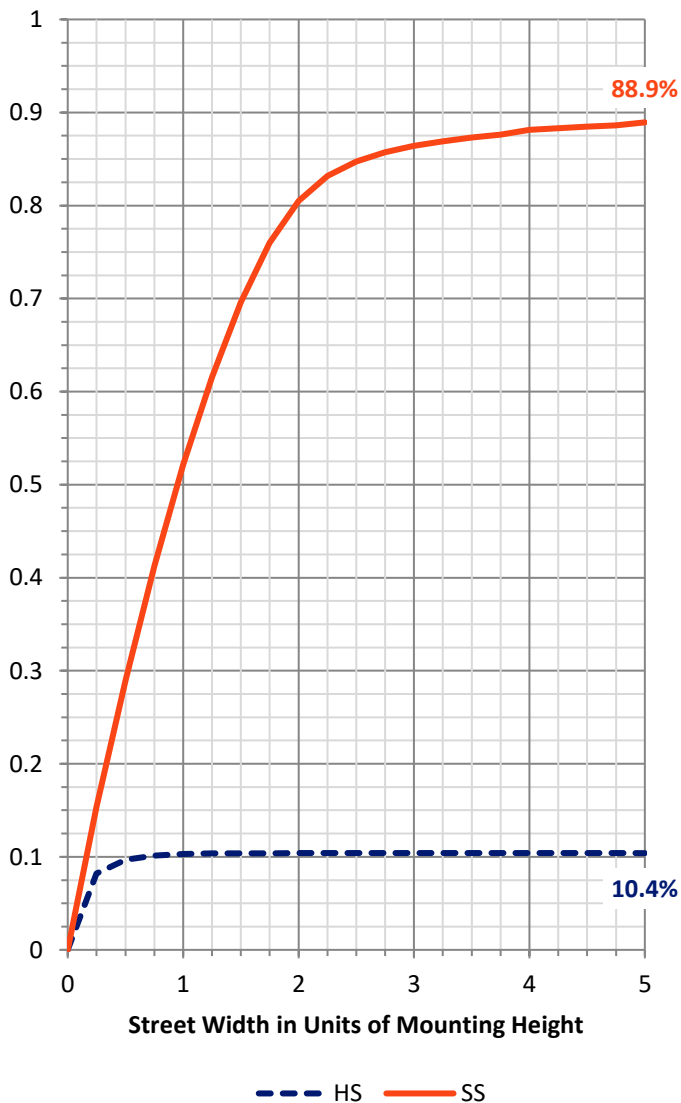
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	583.5	0.0	583.5
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	4988.8	0.0	4988.8
	% Fixture	89.5	0.0	89.5
Total	Lumens	5572.3	0.0	5572.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.2	2.5
10°-20°	293.8	5.3
20°-30°	393.4	7.1
30°-40°	531.9	9.5
40°-50°	763.3	13.7
50°-60°	1124.9	20.2
60°-70°	1372.1	24.6
70°-80°	837.9	15.0
80°-90°	113.8	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°	5572.3	100.0
0°-180°	5572.3	100.0

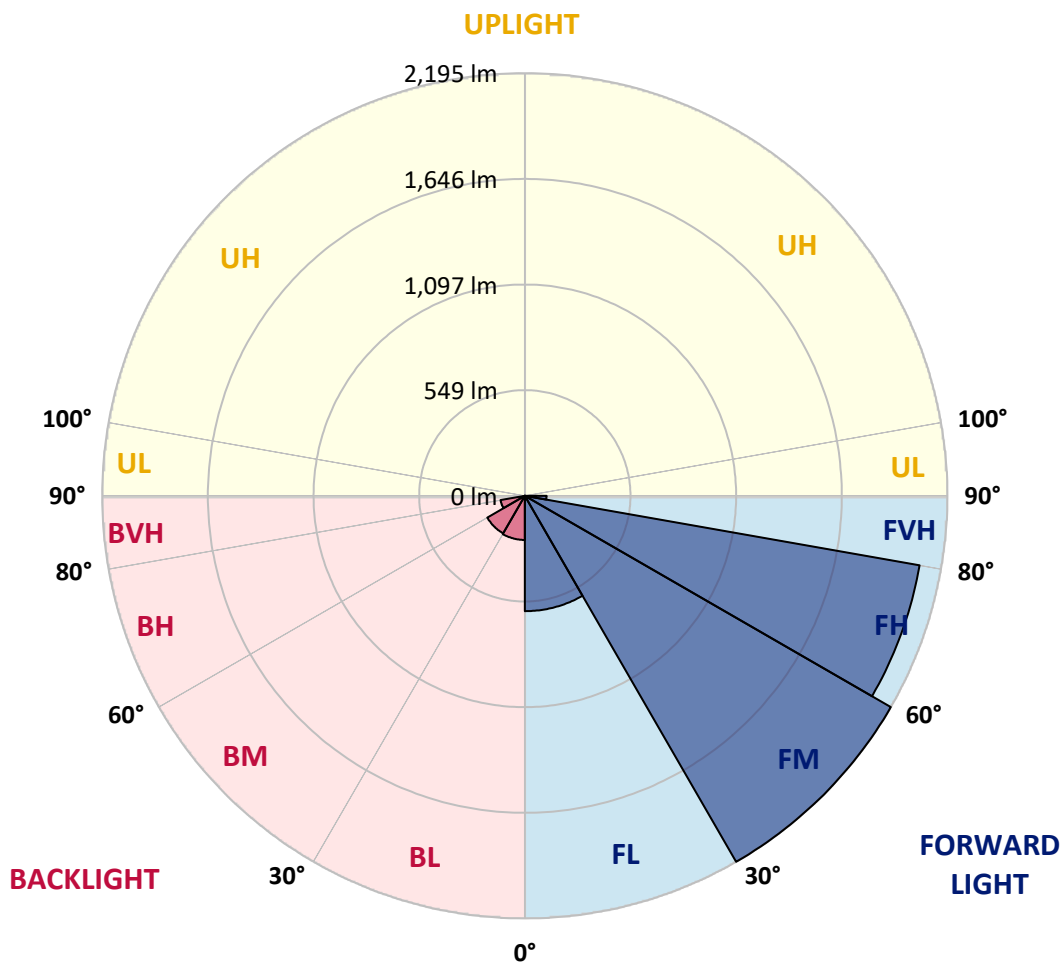


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	599.1	10.8			
FM (30°-60°)	2194.9	39.4			
FH (60°-80°)	2082.1	37.4			G2/5000
FVH (80°-90°)	112.7	2.0			G2/225
BL (0°-30°)	229.3	4.1	B1/500		
BM (30°-60°)	225.2	4.0	B1/1000		
BH (60°-80°)	127.9	2.3	B1/500		G1/500
BVH (80°-90°)	1.1	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°	1729.8	1729.8	1729.8	1729.8	1729.8	1729.8	1729.8	1729.8	1729.8	1729.8	1729.8
2.5°	1761.2	1767.7	1752.0	1770.3	1753.3	1761.2	1752.0	1749.4	1750.7	1752.0	1741.6
5°	1678.9	1694.6	1701.1	1690.6	1715.5	1711.5	1727.2	1728.5	1722.0	1715.5	1716.8
7.5°	1570.4	1586.1	1592.6	1599.2	1624.0	1656.7	1677.6	1664.5	1675.0	1698.5	1663.2
10°	1492.0	1488.1	1486.8	1499.9	1546.9	1574.4	1609.6	1605.7	1631.8	1654.0	1625.3
12.5°	1395.4	1387.5	1411.0	1421.5	1463.3	1511.6	1539.1	1567.8	1593.9	1617.5	1584.8
15°	1323.5	1330.0	1339.2	1361.4	1391.4	1455.5	1496.0	1523.4	1570.4	1582.2	1569.1
17.5°	1266.0	1271.2	1284.3	1296.1	1334.0	1395.4	1459.4	1492.0	1541.7	1573.0	1532.5
20°	1267.3	1251.6	1251.6	1263.4	1284.3	1357.5	1425.4	1435.9	1503.8	1557.4	1529.9
22.5°	1268.6	1263.4	1251.6	1250.3	1259.5	1311.7	1381.0	1404.5	1477.7	1540.4	1507.7
25°	1286.9	1267.3	1268.6	1250.3	1254.3	1280.4	1335.3	1370.5	1454.2	1549.5	1496.0
27.5°	1302.6	1311.7	1293.5	1285.6	1263.4	1262.1	1307.8	1337.9	1442.4	1570.4	1503.8
30°	1337.9	1344.4	1344.4	1339.2	1318.3	1288.2	1298.7	1336.6	1418.9	1566.5	1490.7
32.5°	1396.7	1384.9	1400.6	1392.7	1365.3	1318.3	1327.4	1347.0	1433.2	1616.2	1511.6
35°	1416.3	1425.4	1446.3	1429.3	1420.2	1392.7	1374.5	1388.8	1454.2	1665.8	1543.0
37.5°	1476.4	1463.3	1477.7	1515.6	1524.7	1475.1	1439.8	1460.7	1532.5	1724.6	1571.7
40°	1481.6	1492.0	1518.2	1592.6	1601.8	1580.9	1552.1	1557.4	1610.9	1800.4	1643.6
42.5°	1507.7	1519.5	1573.0	1635.8	1685.4	1689.3	1668.4	1668.4	1714.1	1921.9	1723.3
45°	1558.7	1539.1	1608.3	1714.1	1786.0	1800.4	1827.8	1821.3	1857.9	2049.9	1872.2
47.5°	1578.3	1584.8	1660.6	1788.6	1870.9	1937.6	1983.3	1984.6	2002.9	2213.2	2065.6
50°	1642.3	1641.0	1732.4	1851.3	1972.8	2094.3	2183.2	2183.2	2181.9	2372.6	2231.5
52.5°	1727.2	1724.6	1795.2	1936.3	2094.3	2247.2	2364.8	2368.7	2398.8	2568.6	2422.3
55°	1865.7	1853.9	1921.9	2026.4	2215.8	2401.4	2605.2	2606.5	2583.0	2708.4	2559.5
57.5°	1982.0	1980.7	2036.9	2137.5	2351.7	2600.0	2836.4	2871.7	2797.2	2852.1	2669.2
60°	1951.9	1968.9	2085.2	2234.1	2495.4	2848.2	3086.0	3140.9	3022.0	2950.1	2751.5
62.5°	1765.1	1804.3	1931.0	2168.8	2616.9	3208.8	3429.6	3404.8	3139.6	3033.7	2852.1
65°	1269.9	1309.1	1465.9	1822.6	2475.8	3463.6	3881.7	3769.3	3348.6	3157.8	2986.7
67.5°	747.3	763.0	861.0	1162.8	1851.3	3325.1	4430.4	4439.5	3760.2	3348.6	3219.3
70°	539.6	551.3	589.2	685.9	1025.6	2606.5	4736.1	4973.9	4331.1	3568.1	3096.4
72.5°	414.2	414.2	478.2	570.9	653.3	1561.3	4358.5	4835.4	4455.2	3357.7	2495.4
75°	297.9	305.7	375.0	491.2	602.3	783.9	3211.4	3837.2	3775.8	2721.5	1742.9
77.5°	171.2	175.1	263.9	411.6	565.7	538.3	1984.6	2601.3	2674.4	1703.7	755.2
80°	87.5	90.1	147.6	325.3	512.2	469.0	1183.7	1712.8	1452.8	495.2	175.1
82.5°	43.1	43.1	66.6	207.7	435.1	415.5	696.4	945.9	514.8	113.7	73.2
85°	14.4	15.7	30.0	117.6	314.9	250.9	425.9	449.4	172.5	43.1	40.5
87.5°	3.9	5.2	7.8	43.1	137.2	164.6	253.5	287.4	70.6	17.0	19.6
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°	1729.8	1729.8	1729.8	1729.8	1729.8	1729.8	1729.8	1729.8	1729.8	1729.8	1729.8
2.5°	1702.4	1693.2	1682.8	1656.7	1635.8	1608.3	1590.0	1575.7	1548.2	1553.4	1541.7
5°	1685.4	1668.4	1608.3	1550.8	1498.6	1418.9	1364.0	1328.7	1300.0	1271.2	1292.1
7.5°	1655.4	1614.9	1520.8	1413.6	1302.6	1198.1	1093.6	1030.8	985.1	943.3	942.0
10°	1604.4	1539.1	1391.4	1251.6	1080.5	943.3	810.0	705.5	637.6	587.9	586.6
12.5°	1546.9	1479.0	1293.5	1066.1	868.8	675.5	516.1	405.0	341.0	301.8	296.6
15°	1510.3	1411.0	1170.6	901.5	657.2	440.3	286.1	216.9	192.1	182.9	182.9
17.5°	1463.3	1349.6	1049.1	730.3	456.0	254.8	185.5	167.2	165.9	163.3	160.7
20°	1443.7	1302.6	940.7	582.7	288.7	180.3	159.4	155.5	155.5	152.9	150.2
22.5°	1391.4	1234.7	825.7	427.2	192.1	158.1	150.2	145.0	142.4	139.8	142.4
25°	1367.9	1186.3	717.3	295.3	156.8	141.1	137.2	132.0	128.0	126.7	126.7
27.5°	1352.2	1138.0	611.4	205.1	138.5	129.3	121.5	117.6	112.4	107.1	107.1
30°	1340.5	1100.1	509.5	151.6	124.1	115.0	108.4	99.3	92.8	87.5	87.5
32.5°	1324.8	1055.7	407.6	129.3	112.4	103.2	91.5	83.6	74.5	70.6	70.6
35°	1330.0	1025.6	320.1	115.0	100.6	88.8	78.4	67.9	58.8	54.9	53.6
37.5°	1340.5	1003.4	243.0	103.2	90.1	77.1	65.3	53.6	48.3	43.1	43.1
40°	1384.9	996.9	179.0	95.4	82.3	67.9	54.9	44.4	39.2	35.3	34.0
42.5°	1459.4	1006.0	138.5	86.2	74.5	57.5	45.7	36.6	31.4	27.4	26.1
45°	1554.8	1041.3	113.7	81.0	65.3	48.3	36.6	30.0	23.5	20.9	20.9
47.5°	1693.2	1096.2	99.3	74.5	57.5	40.5	31.4	23.5	18.3	15.7	15.7
50°	1850.0	1158.9	87.5	66.6	49.6	34.0	24.8	18.3	13.1	11.8	11.8
52.5°	2006.8	1238.6	81.0	61.4	43.1	27.4	19.6	13.1	9.1	7.8	7.8
55°	2171.4	1309.1	73.2	57.5	35.3	22.2	14.4	7.8	5.2	3.9	3.9
57.5°	2286.4	1336.6	64.0	49.6	27.4	17.0	10.5	5.2	2.6	1.3	1.3
60°	2368.7	1340.5	54.9	40.5	20.9	13.1	6.5	2.6	1.3	0.0	0.0
62.5°	2438.0	1348.3	47.0	31.4	15.7	9.1	3.9	1.3	0.0	0.0	0.0
65°	2575.1	1341.8	37.9	24.8	10.5	5.2	2.6	0.0	0.0	0.0	0.0
67.5°	2683.6	1276.5	30.0	17.0	6.5	2.6	1.3	0.0	0.0	0.0	0.0
70°	2373.9	973.4	23.5	11.8	3.9	1.3	0.0	0.0	0.0	0.0	0.0
72.5°	1864.4	649.3	15.7	6.5	2.6	1.3	0.0	0.0	0.0	0.0	0.0
75°	1222.9	322.7	11.8	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	475.6	84.9	7.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	115.0	28.7	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	49.6	10.5	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	30.0	5.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.7	2.6	1.3	1.3	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)