

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: P676958

Luminaire Tested: **CCW-SA-2C-722-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676958
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-722-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL3 distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

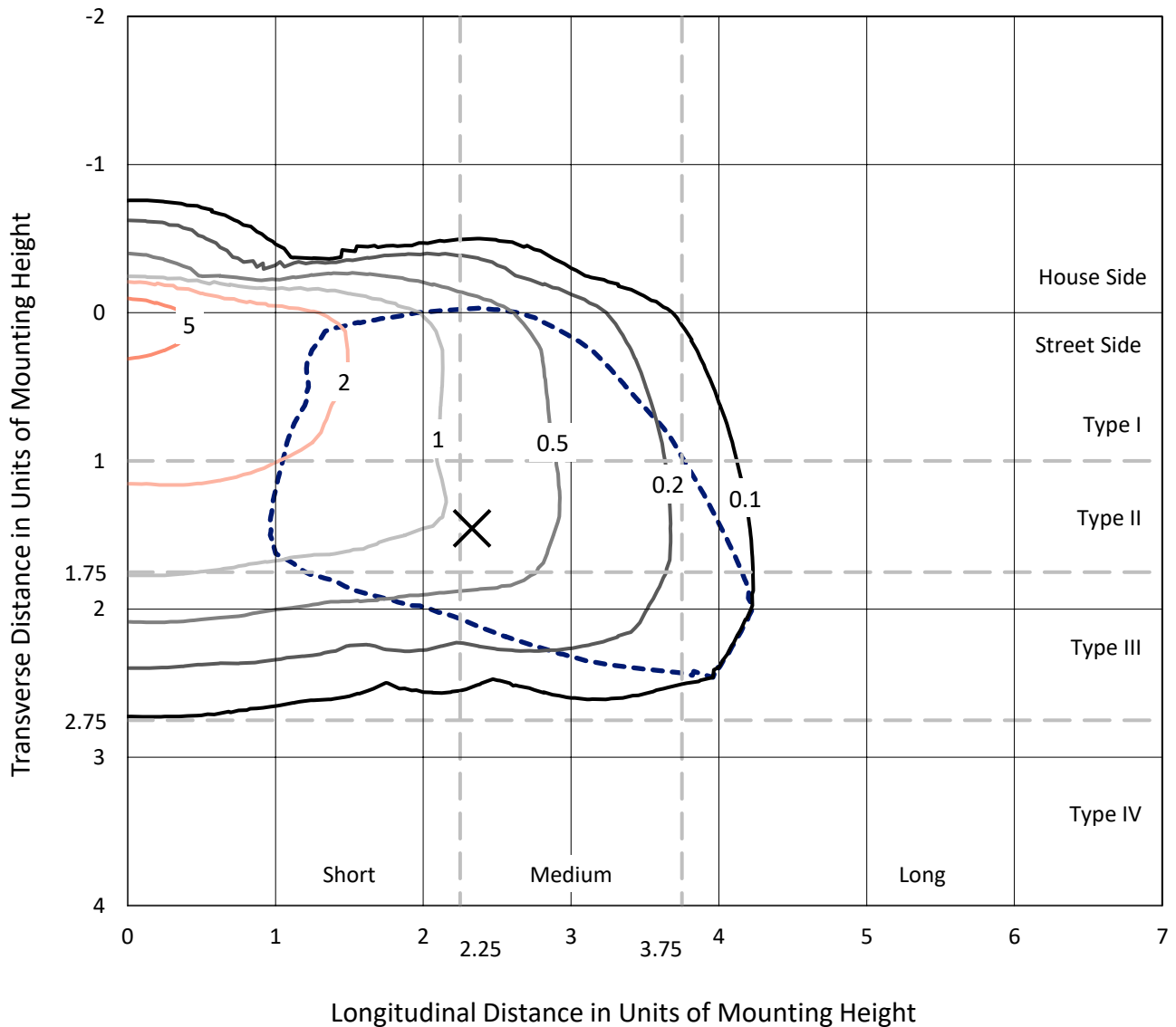
Lumens per Lamp: N/A
Luminaire Lumens: 5503.5 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

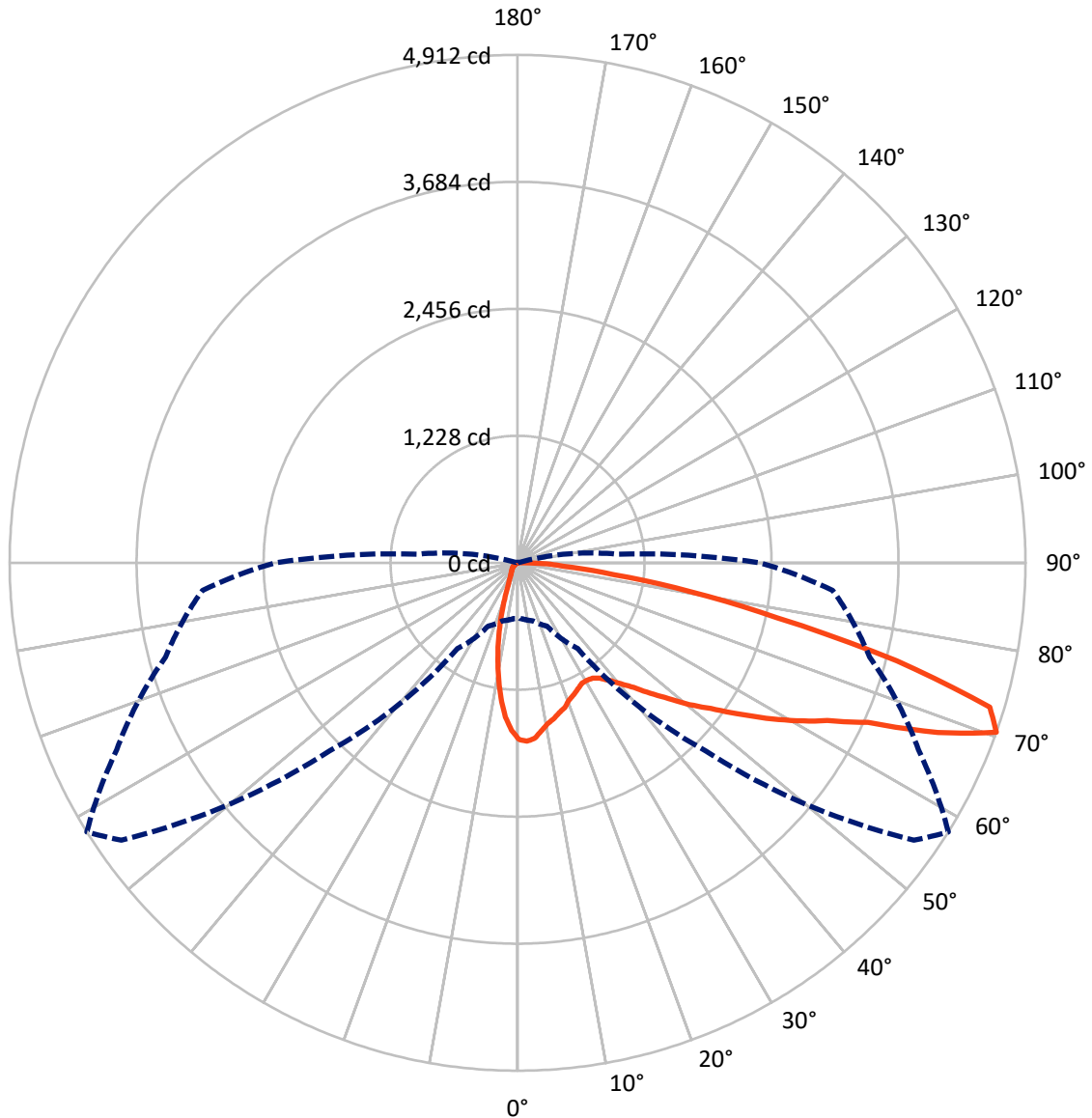
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.6 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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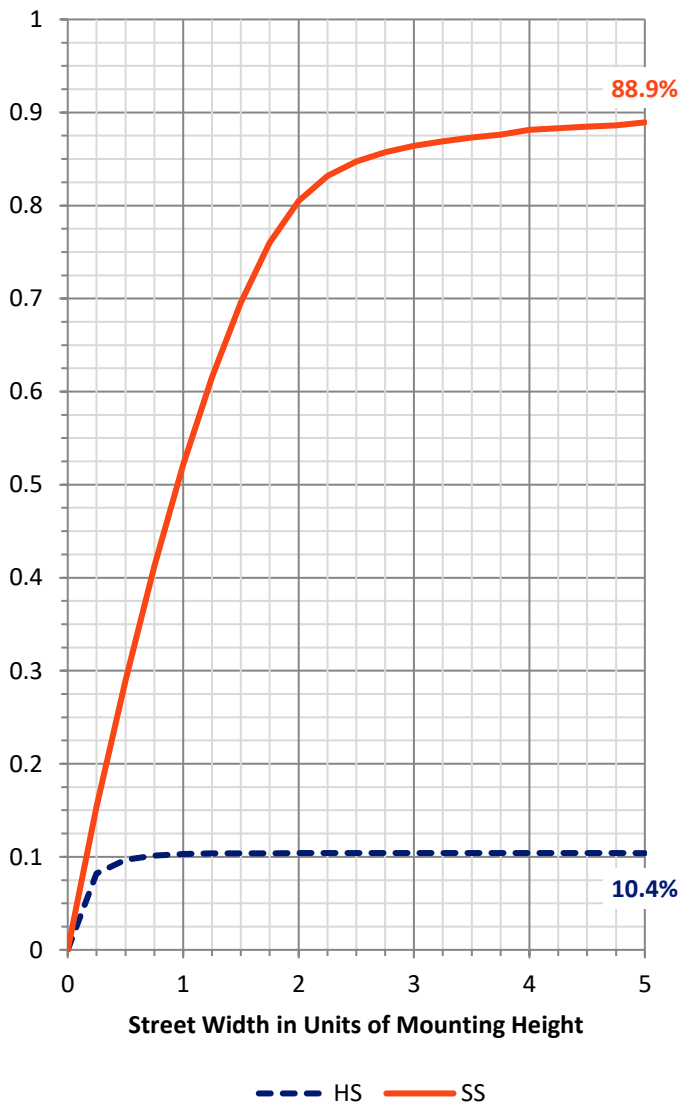
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	576.3	0.0	576.3
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	4927.1	0.0	4927.1
	% Fixture	89.5	0.0	89.5
Total	Lumens	5503.5	0.0	5503.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.4	2.5
10°-20°	290.2	5.3
20°-30°	388.6	7.1
30°-40°	525.3	9.5
40°-50°	753.9	13.7
50°-60°	1111.0	20.2
60°-70°	1355.1	24.6
70°-80°	827.5	15.0
80°-90°	112.4	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°	5503.5	100.0
0°-180°	5503.5	100.0

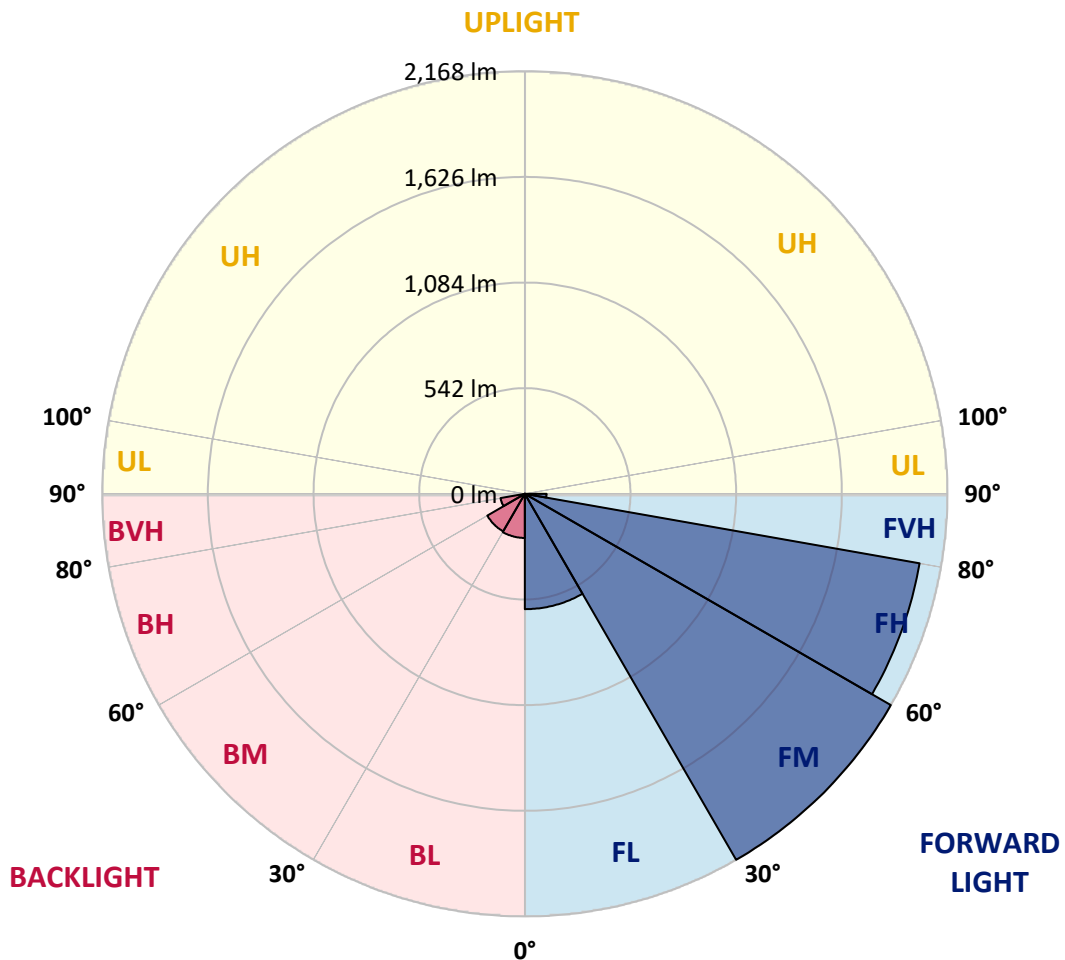


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	591.7	10.8			
FM (30°-60°)	2167.8	39.4			
FH (60°-80°)	2056.3	37.4			G2/5000
FVH (80°-90°)	111.3	2.0			G2/225
BL (0°-30°)	226.5	4.1	B1/500		
BM (30°-60°)	222.4	4.0	B1/1000		
BH (60°-80°)	126.3	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°	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4
2.5°	1739.4	1745.9	1730.4	1748.4	1731.7	1739.4	1730.4	1727.8	1729.1	1730.4	1720.1
5°	1658.1	1673.6	1680.0	1669.7	1694.2	1690.4	1705.9	1707.1	1700.7	1694.2	1695.5
7.5°	1551.0	1566.5	1572.9	1579.4	1603.9	1636.2	1656.8	1643.9	1654.2	1677.5	1642.6
10°	1473.6	1469.7	1468.4	1481.3	1527.8	1554.9	1589.7	1585.9	1611.7	1633.6	1605.2
12.5°	1378.1	1370.4	1393.6	1403.9	1445.2	1492.9	1520.0	1548.4	1574.2	1597.5	1565.2
15°	1307.1	1313.6	1322.6	1344.6	1374.2	1437.5	1477.5	1504.6	1551.0	1562.6	1549.7
17.5°	1250.4	1255.5	1268.4	1280.0	1317.5	1378.1	1441.3	1473.6	1522.6	1553.6	1513.6
20°	1251.6	1236.2	1236.2	1247.8	1268.4	1340.7	1407.8	1418.1	1485.2	1538.1	1511.0
22.5°	1252.9	1247.8	1236.2	1234.9	1243.9	1295.5	1363.9	1387.1	1459.4	1521.3	1489.1
25°	1271.0	1251.6	1252.9	1234.9	1238.7	1264.6	1318.7	1353.6	1436.2	1530.4	1477.5
27.5°	1286.5	1295.5	1277.5	1269.7	1247.8	1246.5	1291.7	1321.3	1424.6	1551.0	1485.2
30°	1321.3	1327.8	1327.8	1322.6	1302.0	1272.3	1282.6	1320.0	1401.3	1547.1	1472.3
32.5°	1379.4	1367.8	1383.3	1375.5	1348.4	1302.0	1311.0	1330.4	1415.5	1596.2	1492.9
35°	1398.8	1407.8	1428.4	1411.7	1402.6	1375.5	1357.5	1371.7	1436.2	1645.2	1523.9
37.5°	1458.1	1445.2	1459.4	1496.8	1505.9	1456.8	1422.0	1442.6	1513.6	1703.3	1552.3
40°	1463.3	1473.6	1499.4	1572.9	1582.0	1561.3	1532.9	1538.1	1591.0	1778.1	1623.3
42.5°	1489.1	1500.7	1553.6	1615.5	1664.6	1668.4	1647.8	1647.8	1693.0	1898.1	1702.0
45°	1539.4	1520.0	1588.4	1693.0	1763.9	1778.1	1805.2	1798.8	1834.9	2024.6	1849.1
47.5°	1558.8	1565.2	1640.0	1766.5	1847.8	1913.6	1958.8	1960.1	1978.1	2185.9	2040.1
50°	1622.0	1620.7	1711.0	1828.4	1948.4	2068.4	2156.2	2156.2	2154.9	2343.3	2203.9
52.5°	1705.9	1703.3	1773.0	1912.3	2068.4	2219.4	2335.6	2339.4	2369.1	2536.8	2392.3
55°	1842.6	1831.0	1898.1	2001.3	2188.5	2371.7	2573.0	2574.3	2551.0	2674.9	2527.8
57.5°	1957.5	1956.2	2011.7	2111.0	2322.6	2567.8	2801.4	2836.2	2762.7	2816.9	2636.2
60°	1927.8	1944.6	2059.4	2206.5	2464.6	2813.0	3047.8	3102.0	2984.6	2913.6	2717.5
62.5°	1743.3	1782.0	1907.2	2142.0	2584.6	3169.1	3387.2	3362.7	3100.7	2996.2	2816.9
65°	1254.2	1292.9	1447.8	1800.1	2445.2	3420.7	3833.7	3722.7	3307.2	3118.8	2949.8
67.5°	738.1	753.6	850.3	1148.4	1828.4	3284.0	4375.6	4384.6	3713.7	3307.2	3179.4
70°	532.9	544.5	582.0	677.4	1012.9	2574.3	4677.6	4912.4	4277.5	3524.0	3058.2
72.5°	409.0	409.0	472.3	563.9	645.2	1542.0	4304.6	4775.6	4400.1	3316.2	2464.6
75°	294.2	301.9	370.3	485.2	594.9	774.2	3171.7	3789.8	3729.1	2687.8	1721.3
77.5°	169.0	172.9	260.7	406.5	558.7	531.6	1960.1	2569.1	2641.4	1682.6	745.8
80°	86.5	89.0	145.8	321.3	505.8	463.2	1169.1	1691.7	1434.9	489.0	172.9
82.5°	42.6	42.6	65.8	205.2	429.7	410.3	687.8	934.2	508.4	112.3	72.3
85°	14.2	15.5	29.7	116.1	311.0	247.7	420.7	443.9	170.3	42.6	40.0
87.5°	3.9	5.2	7.7	42.6	135.5	162.6	250.3	283.9	69.7	16.8	19.4
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°	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4
2.5°	1681.3	1672.3	1662.0	1636.2	1615.5	1588.4	1570.4	1556.2	1529.1	1534.2	1522.6
5°	1664.6	1647.8	1588.4	1531.7	1480.0	1401.3	1347.1	1312.3	1283.9	1255.5	1276.2
7.5°	1634.9	1594.9	1502.0	1396.2	1286.5	1183.3	1080.0	1018.1	972.9	931.6	930.4
10°	1584.6	1520.0	1374.2	1236.2	1067.1	931.6	800.0	696.8	629.7	580.7	579.4
12.5°	1527.8	1460.7	1277.5	1052.9	858.1	667.1	509.7	400.0	336.8	298.1	292.9
15°	1491.7	1393.6	1156.2	890.3	649.1	434.9	282.6	214.2	189.7	180.7	180.7
17.5°	1445.2	1332.9	1036.2	721.3	450.3	251.6	183.2	165.2	163.9	161.3	158.7
20°	1425.8	1286.5	929.1	575.5	285.2	178.1	157.4	153.6	153.6	151.0	148.4
22.5°	1374.2	1219.4	815.5	421.9	189.7	156.1	148.4	143.2	140.6	138.1	140.6
25°	1351.0	1171.6	708.4	291.6	154.8	139.4	135.5	130.3	126.5	125.2	125.2
27.5°	1335.5	1123.9	603.9	202.6	136.8	127.7	120.0	116.1	111.0	105.8	105.8
30°	1323.9	1086.5	503.2	149.7	122.6	113.6	107.1	98.1	91.6	86.5	86.5
32.5°	1308.4	1042.6	402.6	127.7	111.0	101.9	90.3	82.6	73.6	69.7	69.7
35°	1313.6	1012.9	316.1	113.6	99.4	87.7	77.4	67.1	58.1	54.2	52.9
37.5°	1323.9	991.0	240.0	101.9	89.0	76.1	64.5	52.9	47.7	42.6	42.6
40°	1367.8	984.5	176.8	94.2	81.3	67.1	54.2	43.9	38.7	34.8	33.5
42.5°	1441.3	993.6	136.8	85.2	73.6	56.8	45.2	36.1	31.0	27.1	25.8
45°	1535.5	1028.4	112.3	80.0	64.5	47.7	36.1	29.7	23.2	20.6	20.6
47.5°	1672.3	1082.6	98.1	73.6	56.8	40.0	31.0	23.2	18.1	15.5	15.5
50°	1827.2	1144.6	86.5	65.8	49.0	33.5	24.5	18.1	12.9	11.6	11.6
52.5°	1982.0	1223.3	80.0	60.6	42.6	27.1	19.4	12.9	9.0	7.7	7.7
55°	2144.6	1292.9	72.3	56.8	34.8	21.9	14.2	7.7	5.2	3.9	3.9
57.5°	2258.1	1320.0	63.2	49.0	27.1	16.8	10.3	5.2	2.6	1.3	1.3
60°	2339.4	1323.9	54.2	40.0	20.6	12.9	6.5	2.6	1.3	0.0	0.0
62.5°	2407.8	1331.7	46.5	31.0	15.5	9.0	3.9	1.3	0.0	0.0	0.0
65°	2543.3	1325.2	37.4	24.5	10.3	5.2	2.6	0.0	0.0	0.0	0.0
67.5°	2650.4	1260.7	29.7	16.8	6.5	2.6	1.3	0.0	0.0	0.0	0.0
70°	2344.6	961.3	23.2	11.6	3.9	1.3	0.0	0.0	0.0	0.0	0.0
72.5°	1841.3	641.3	15.5	6.5	2.6	1.3	0.0	0.0	0.0	0.0	0.0
75°	1207.8	318.7	11.6	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	469.7	83.9	7.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	113.6	28.4	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	49.0	10.3	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	29.7	5.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.5	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)