

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: P676990

Luminaire Tested: **CCW-SA-2B-735-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676990
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-735-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
SL3 distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

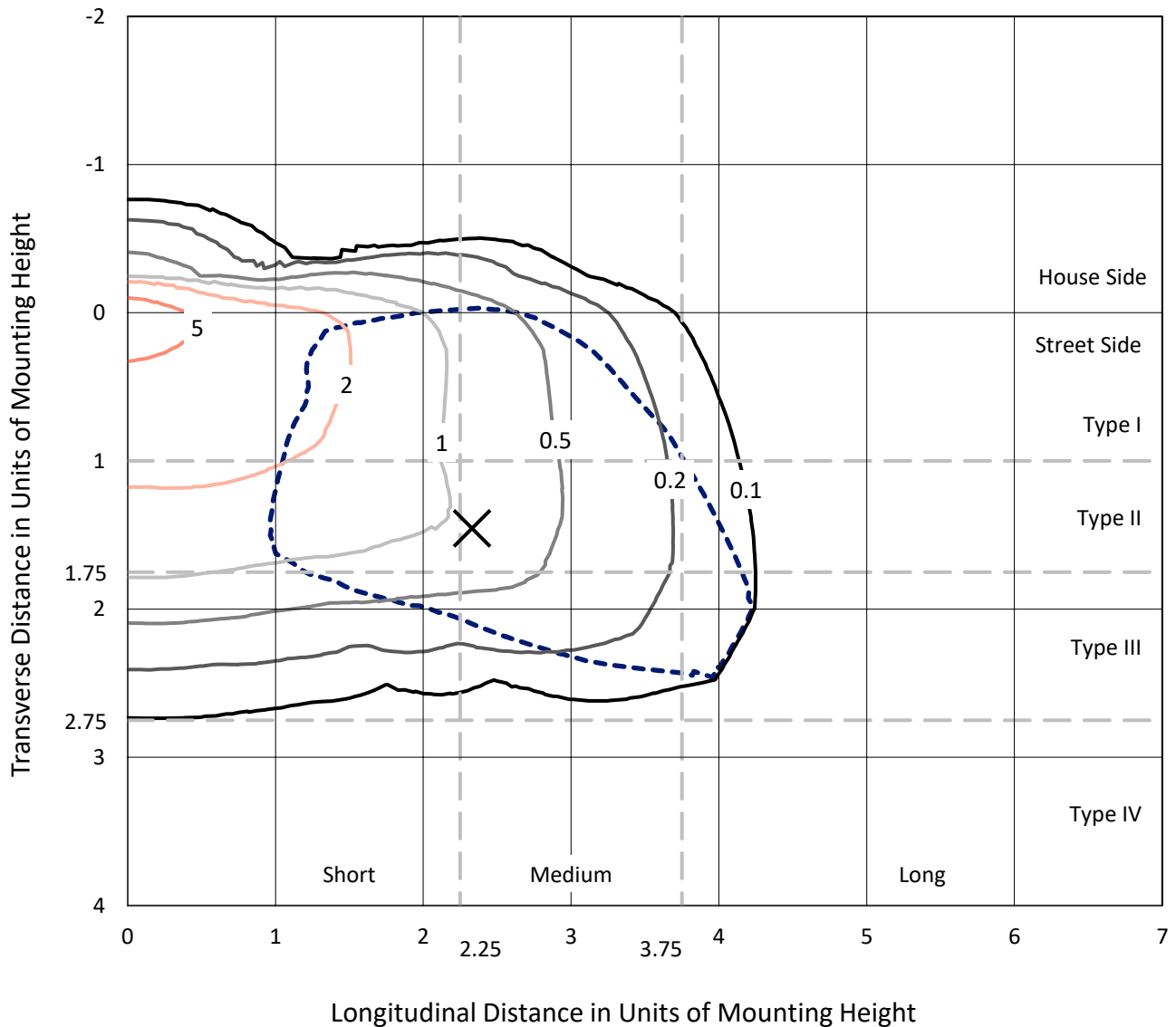
Lumens per Lamp: N/A
Luminaire Lumens: 5628.7 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 46
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

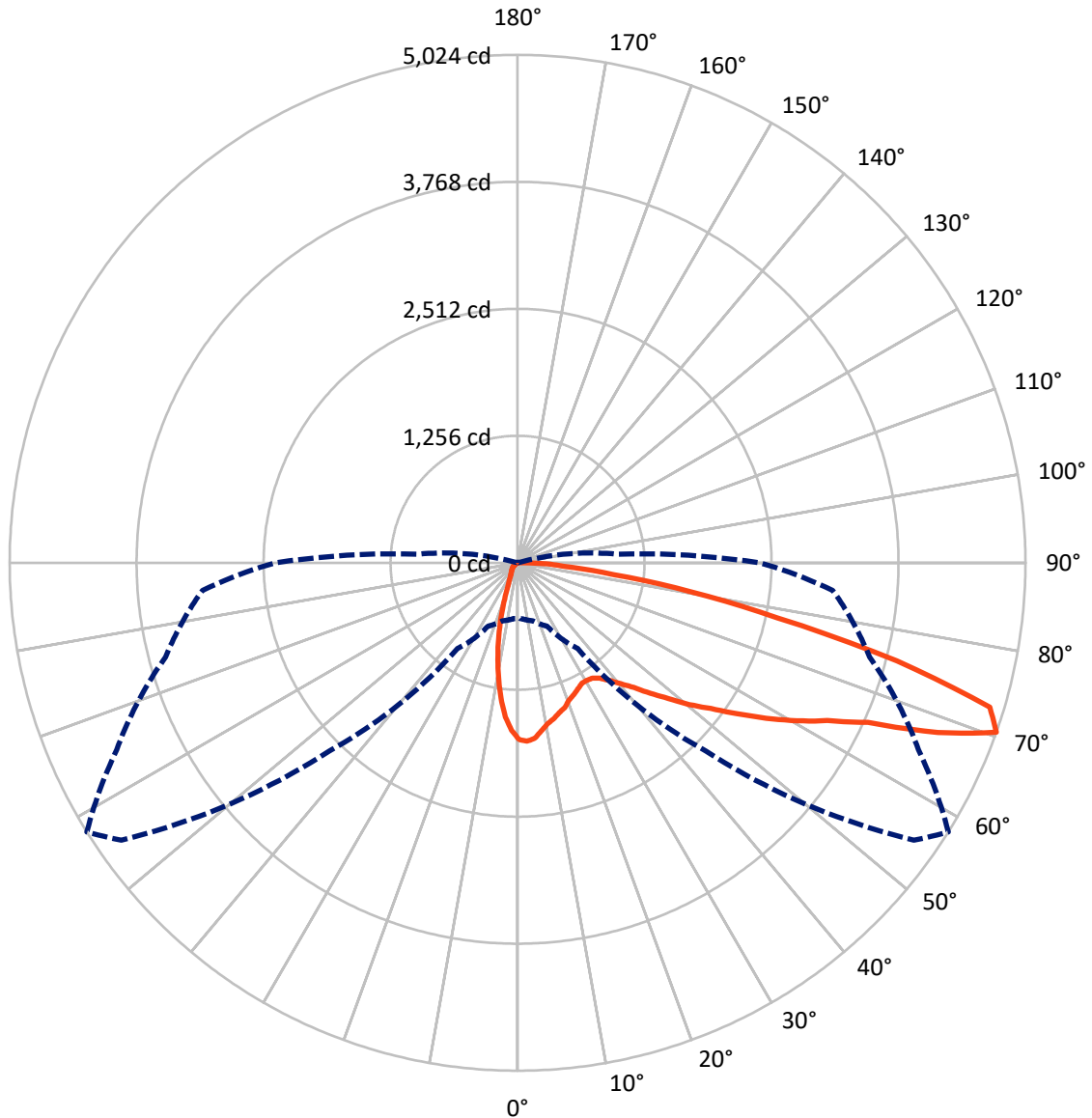
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.8 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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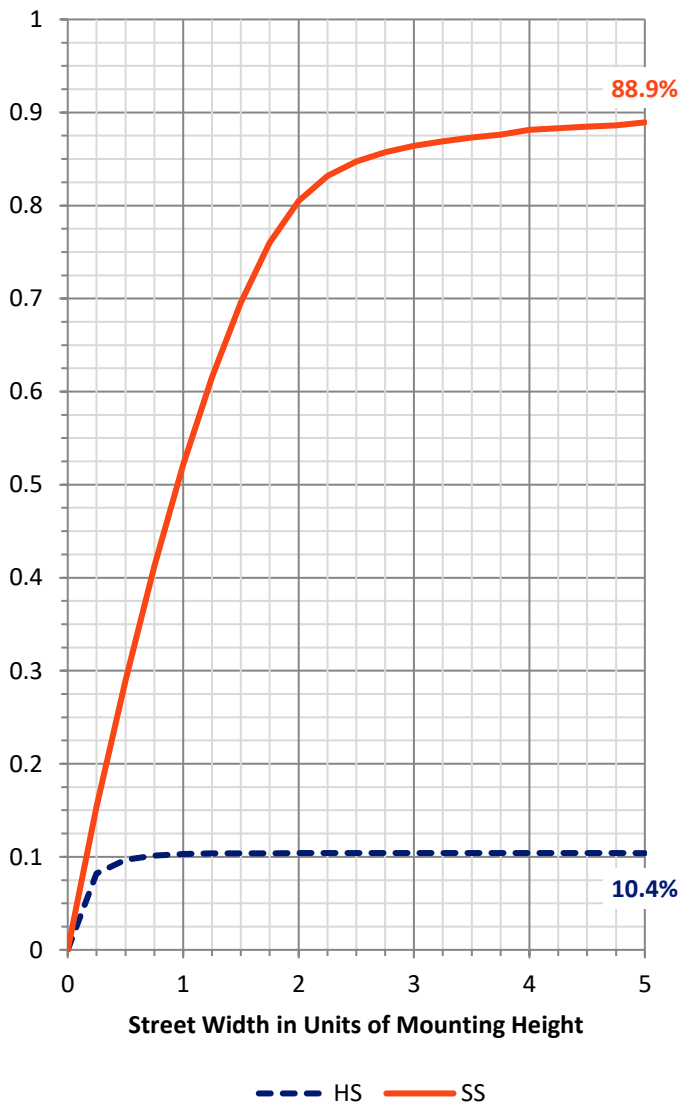
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	589.4	0.0	589.4
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	5039.3	0.0	5039.3
	% Fixture	89.5	0.0	89.5
Total	Lumens	5628.7	0.0	5628.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.6	2.5
10°-20°	296.8	5.3
20°-30°	397.4	7.1
30°-40°	537.2	9.5
40°-50°	771.1	13.7
50°-60°	1136.3	20.2
60°-70°	1386.0	24.6
70°-80°	846.3	15.0
80°-90°	115.0	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°	5628.7	100.0
0°-180°	5628.7	100.0

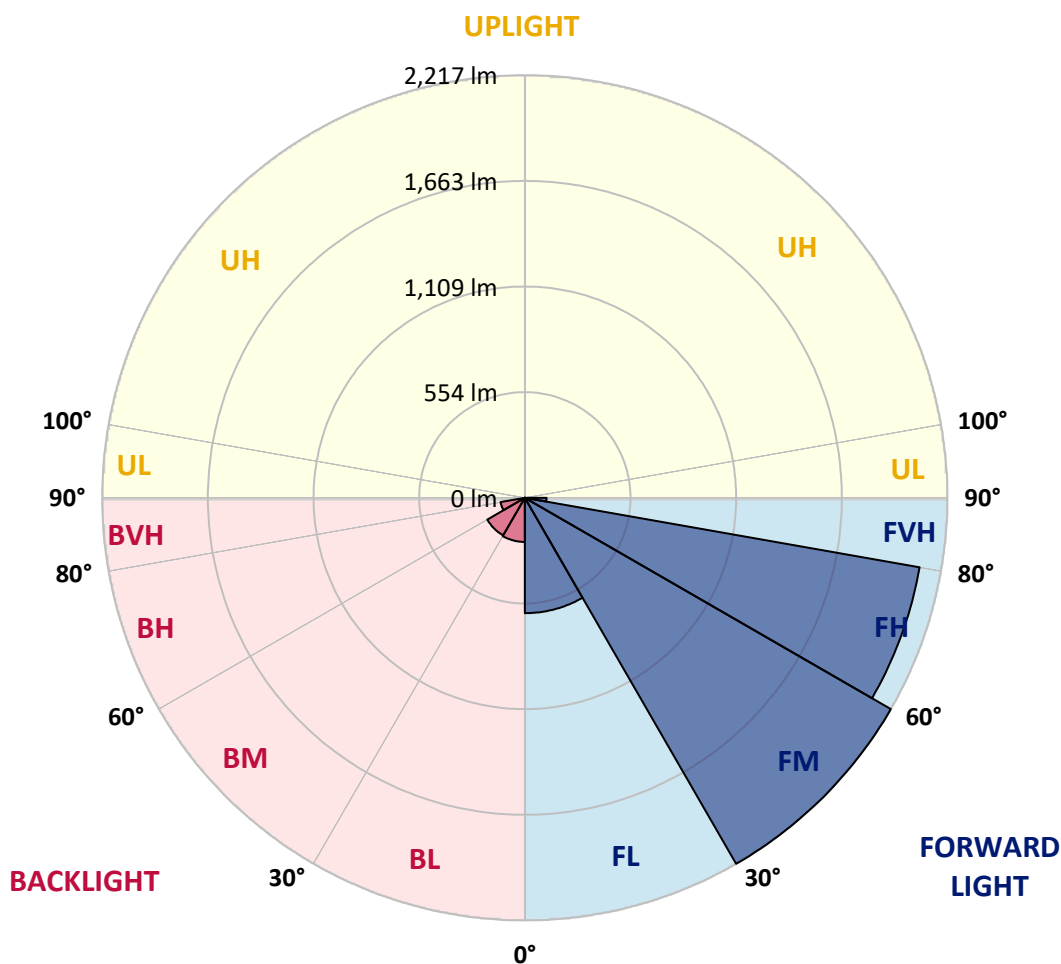


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	605.2	10.8			
FM (30°-60°)	2217.1	39.4			
FH (60°-80°)	2103.2	37.4			G2/5000
FVH (80°-90°)	113.9	2.0			G2/225
BL (0°-30°)	231.6	4.1	B1/500		
BM (30°-60°)	227.5	4.0	B1/1000		
BH (60°-80°)	129.2	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°	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3
2.5°	1779.0	1785.6	1769.8	1788.2	1771.1	1779.0	1769.8	1767.1	1768.4	1769.8	1759.2
5°	1695.9	1711.7	1718.3	1707.7	1732.8	1728.9	1744.7	1746.0	1739.4	1732.8	1734.1
7.5°	1586.3	1602.2	1608.8	1615.4	1640.4	1673.4	1694.5	1681.3	1691.9	1715.7	1680.0
10°	1507.1	1503.2	1501.9	1515.1	1562.6	1590.3	1625.9	1622.0	1648.3	1670.8	1641.7
12.5°	1409.5	1401.6	1425.3	1435.9	1478.1	1526.9	1554.6	1583.7	1610.1	1633.8	1600.8
15°	1336.9	1343.5	1352.7	1375.2	1405.5	1470.2	1511.1	1538.8	1586.3	1598.2	1585.0
17.5°	1278.8	1284.1	1297.3	1309.2	1347.4	1409.5	1474.1	1507.1	1557.3	1589.0	1548.0
20°	1280.1	1264.3	1264.3	1276.2	1297.3	1371.2	1439.8	1450.4	1519.0	1573.1	1545.4
22.5°	1281.5	1276.2	1264.3	1263.0	1272.2	1325.0	1395.0	1418.7	1492.6	1556.0	1523.0
25°	1299.9	1280.1	1281.5	1263.0	1266.9	1293.3	1348.8	1384.4	1468.9	1565.2	1511.1
27.5°	1315.8	1325.0	1306.5	1298.6	1276.2	1274.9	1321.1	1351.4	1457.0	1586.3	1519.0
30°	1351.4	1358.0	1358.0	1352.7	1331.6	1301.3	1311.8	1350.1	1433.2	1582.4	1505.8
32.5°	1410.8	1398.9	1414.8	1406.8	1379.1	1331.6	1340.8	1360.6	1447.7	1632.5	1526.9
35°	1430.6	1439.8	1460.9	1443.8	1434.6	1406.8	1388.4	1402.9	1468.9	1682.7	1558.6
37.5°	1491.3	1478.1	1492.6	1530.9	1540.1	1490.0	1454.3	1475.5	1548.0	1742.0	1587.6
40°	1496.6	1507.1	1533.5	1608.8	1618.0	1596.9	1567.8	1573.1	1627.2	1818.6	1660.2
42.5°	1523.0	1534.9	1589.0	1652.3	1702.5	1706.4	1685.3	1685.3	1731.5	1941.3	1740.7
45°	1574.4	1554.6	1624.6	1731.5	1804.1	1818.6	1846.3	1839.7	1876.7	2070.7	1891.2
47.5°	1594.2	1600.8	1677.4	1806.7	1889.9	1957.2	2003.4	2004.7	2023.2	2235.6	2086.5
50°	1658.9	1657.6	1750.0	1870.1	1992.8	2115.5	2205.3	2205.3	2204.0	2396.6	2254.1
52.5°	1744.7	1742.0	1813.3	1955.8	2115.5	2269.9	2388.7	2392.7	2423.0	2594.6	2446.8
55°	1884.6	1872.7	1941.3	2046.9	2238.3	2425.7	2631.5	2632.9	2609.1	2735.8	2585.4
57.5°	2002.0	2000.7	2057.5	2159.1	2375.5	2626.3	2865.1	2900.8	2825.5	2881.0	2696.2
60°	1971.7	1988.8	2106.3	2256.7	2520.7	2877.0	3117.2	3172.6	3052.5	2980.0	2779.4
62.5°	1783.0	1822.6	1950.6	2190.8	2643.4	3241.3	3464.3	3439.2	3171.3	3064.4	2881.0
65°	1282.8	1322.4	1480.7	1841.0	2500.9	3498.6	3920.9	3807.4	3382.5	3189.8	3016.9
67.5°	754.9	770.7	869.7	1174.6	1870.1	3358.7	4475.2	4484.5	3798.2	3382.5	3251.8
70°	545.0	556.9	595.2	692.9	1036.0	2632.9	4784.0	5024.2	4374.9	3604.2	3127.8
72.5°	418.4	418.4	483.0	576.7	659.9	1577.1	4402.6	4884.3	4500.3	3391.7	2520.7
75°	300.9	308.8	378.8	496.2	608.4	791.8	3243.9	3876.1	3814.0	2749.0	1760.5
77.5°	172.9	176.8	266.6	415.7	571.4	543.7	2004.7	2627.6	2701.5	1720.9	762.8
80°	88.4	91.1	149.1	328.6	517.3	473.8	1195.7	1730.2	1467.5	500.2	176.8
82.5°	43.6	43.6	67.3	209.8	439.5	419.7	703.4	955.5	520.0	114.8	73.9
85°	14.5	15.8	30.4	118.8	318.1	253.4	430.2	454.0	174.2	43.6	40.9
87.5°	4.0	5.3	7.9	43.6	138.6	166.3	256.0	290.3	71.3	17.2	19.8
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°	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3
2.5°	1719.6	1710.4	1699.8	1673.4	1652.3	1624.6	1606.1	1591.6	1563.9	1569.2	1557.3
5°	1702.5	1685.3	1624.6	1566.5	1513.7	1433.2	1377.8	1342.2	1313.1	1284.1	1305.2
7.5°	1672.1	1631.2	1536.2	1428.0	1315.8	1210.2	1104.6	1041.3	995.1	952.8	951.5
10°	1620.6	1554.6	1405.5	1264.3	1091.4	952.8	818.2	712.7	644.0	593.9	592.6
12.5°	1562.6	1493.9	1306.5	1076.9	877.6	682.3	521.3	409.1	344.5	304.9	299.6
15°	1525.6	1425.3	1182.5	910.6	663.8	444.8	289.0	219.1	194.0	184.8	184.8
17.5°	1478.1	1363.3	1059.7	737.7	460.6	257.3	187.4	168.9	167.6	165.0	162.3
20°	1458.3	1315.8	950.2	588.6	291.7	182.1	161.0	157.0	157.0	154.4	151.8
22.5°	1405.5	1247.1	834.1	431.6	194.0	159.7	151.8	146.5	143.9	141.2	143.9
25°	1381.8	1198.3	724.5	298.3	158.4	142.5	138.6	133.3	129.3	128.0	128.0
27.5°	1365.9	1149.5	617.6	207.2	139.9	130.7	122.7	118.8	113.5	108.2	108.2
30°	1354.0	1111.2	514.7	153.1	125.4	116.1	109.5	100.3	93.7	88.4	88.4
32.5°	1338.2	1066.3	411.8	130.7	113.5	104.3	92.4	84.5	75.2	71.3	71.3
35°	1343.5	1036.0	323.3	116.1	101.6	89.7	79.2	68.6	59.4	55.4	54.1
37.5°	1354.0	1013.6	245.5	104.3	91.1	77.9	66.0	54.1	48.8	43.6	43.6
40°	1398.9	1007.0	180.8	96.3	83.1	68.6	55.4	44.9	39.6	35.6	34.3
42.5°	1474.1	1016.2	139.9	87.1	75.2	58.1	46.2	37.0	31.7	27.7	26.4
45°	1570.5	1051.8	114.8	81.8	66.0	48.8	37.0	30.4	23.8	21.1	21.1
47.5°	1710.4	1107.3	100.3	75.2	58.1	40.9	31.7	23.8	18.5	15.8	15.8
50°	1868.7	1170.6	88.4	67.3	50.1	34.3	25.1	18.5	13.2	11.9	11.9
52.5°	2027.1	1251.1	81.8	62.0	43.6	27.7	19.8	13.2	9.2	7.9	7.9
55°	2193.4	1322.4	73.9	58.1	35.6	22.4	14.5	7.9	5.3	4.0	4.0
57.5°	2309.5	1350.1	64.7	50.1	27.7	17.2	10.6	5.3	2.6	1.3	1.3
60°	2392.7	1354.0	55.4	40.9	21.1	13.2	6.6	2.6	1.3	0.0	0.0
62.5°	2462.6	1362.0	47.5	31.7	15.8	9.2	4.0	1.3	0.0	0.0	0.0
65°	2601.2	1355.4	38.3	25.1	10.6	5.3	2.6	0.0	0.0	0.0	0.0
67.5°	2710.7	1289.4	30.4	17.2	6.6	2.6	1.3	0.0	0.0	0.0	0.0
70°	2398.0	983.2	23.8	11.9	4.0	1.3	0.0	0.0	0.0	0.0	0.0
72.5°	1883.3	655.9	15.8	6.6	2.6	1.3	0.0	0.0	0.0	0.0	0.0
75°	1235.3	326.0	11.9	4.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	480.4	85.8	7.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	116.1	29.0	4.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	50.1	10.6	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	30.4	5.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.8	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)