

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: P675437

Luminaire Tested: **CCW-SA-1F-760-U-SL2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675437
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-760-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
SL2 distribution lens
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

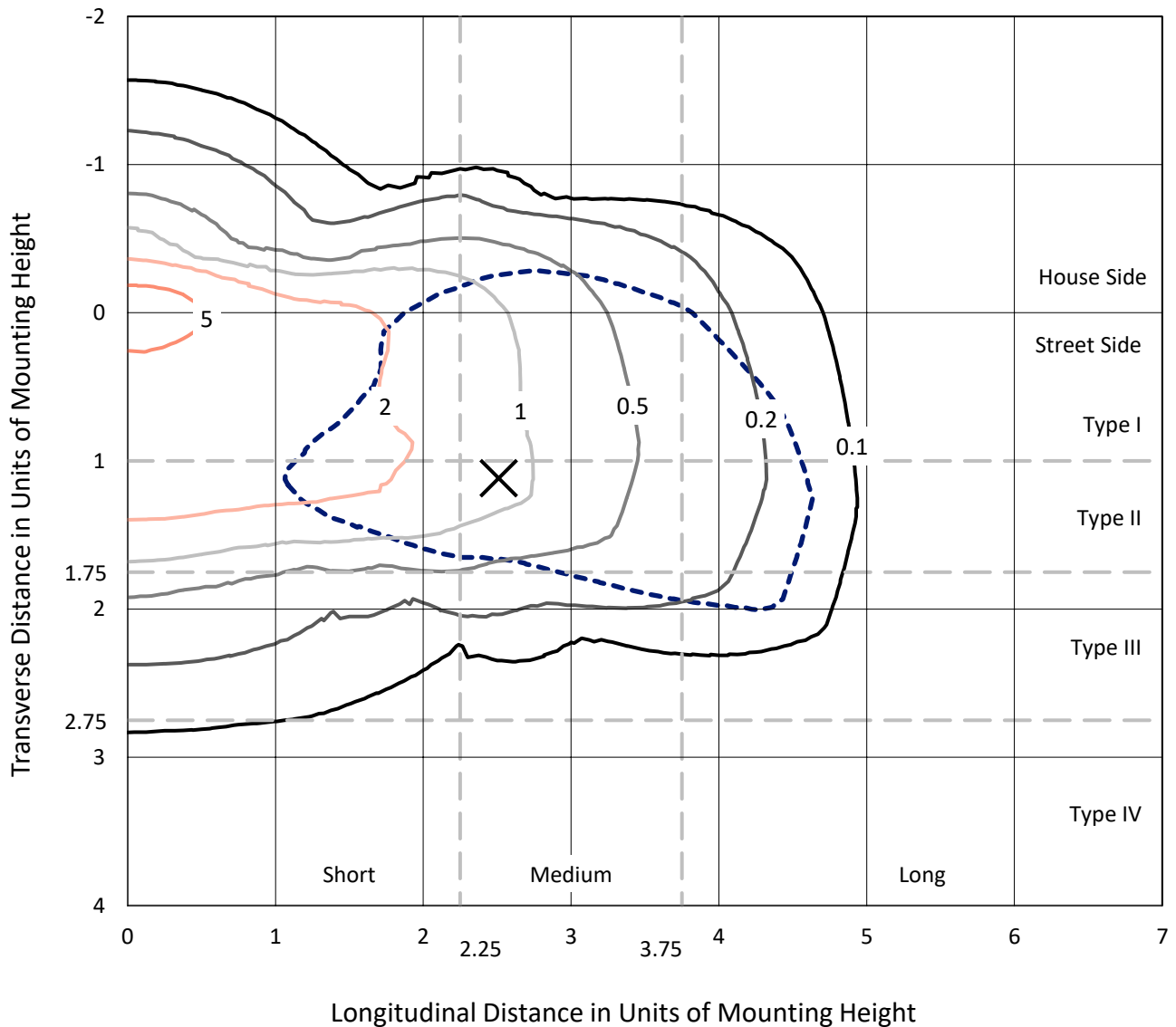
Lumens per Lamp: N/A
Luminaire Lumens: 7590.3 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

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

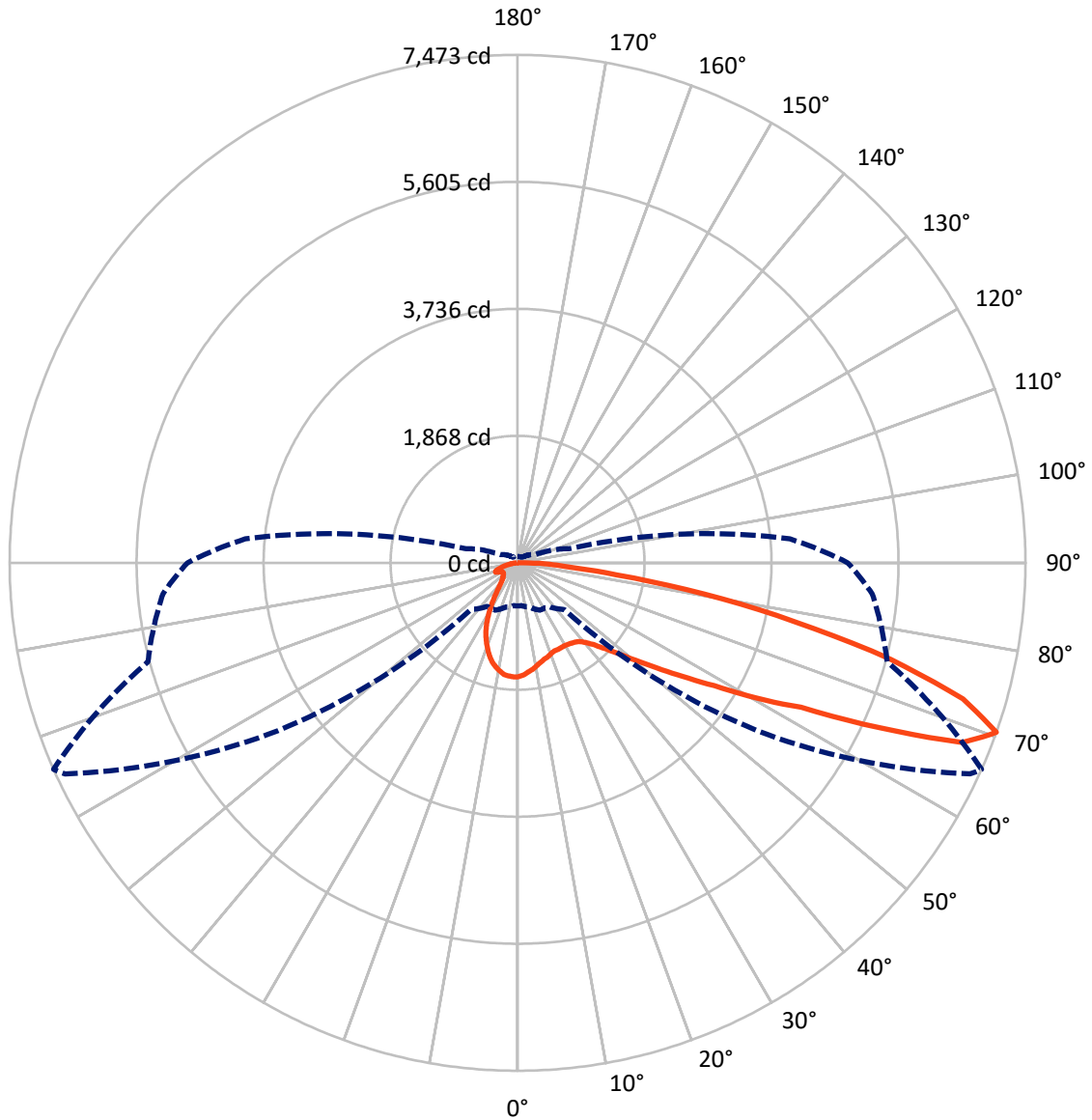
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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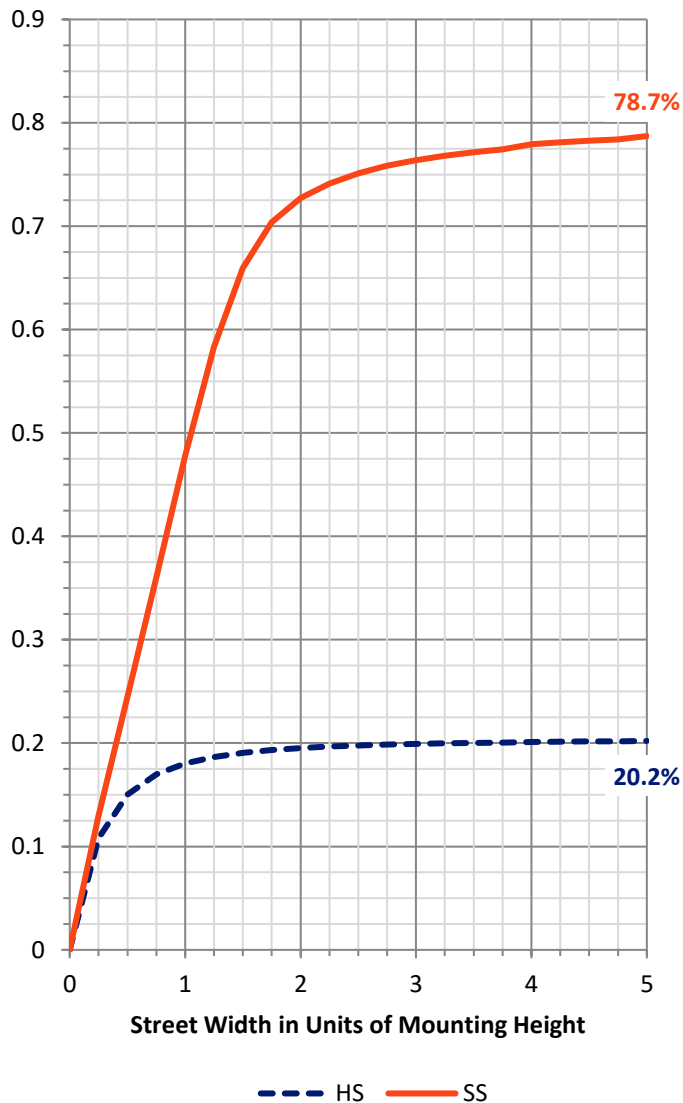
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1553.6	0.0	1553.6
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	6036.7	0.0	6036.7
	% Fixture	79.5	0.0	79.5
Total	Lumens	7590.3	0.0	7590.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.3	2.0
10°-20°	365.0	4.8
20°-30°	501.3	6.6
30°-40°	672.1	8.9
40°-50°	975.2	12.8
50°-60°	1482.3	19.5
60°-70°	1830.7	24.1
70°-80°	1361.4	17.9
80°-90°	253.9	3.3
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°	7590.3	100.0
0°-180°	7590.3	100.0

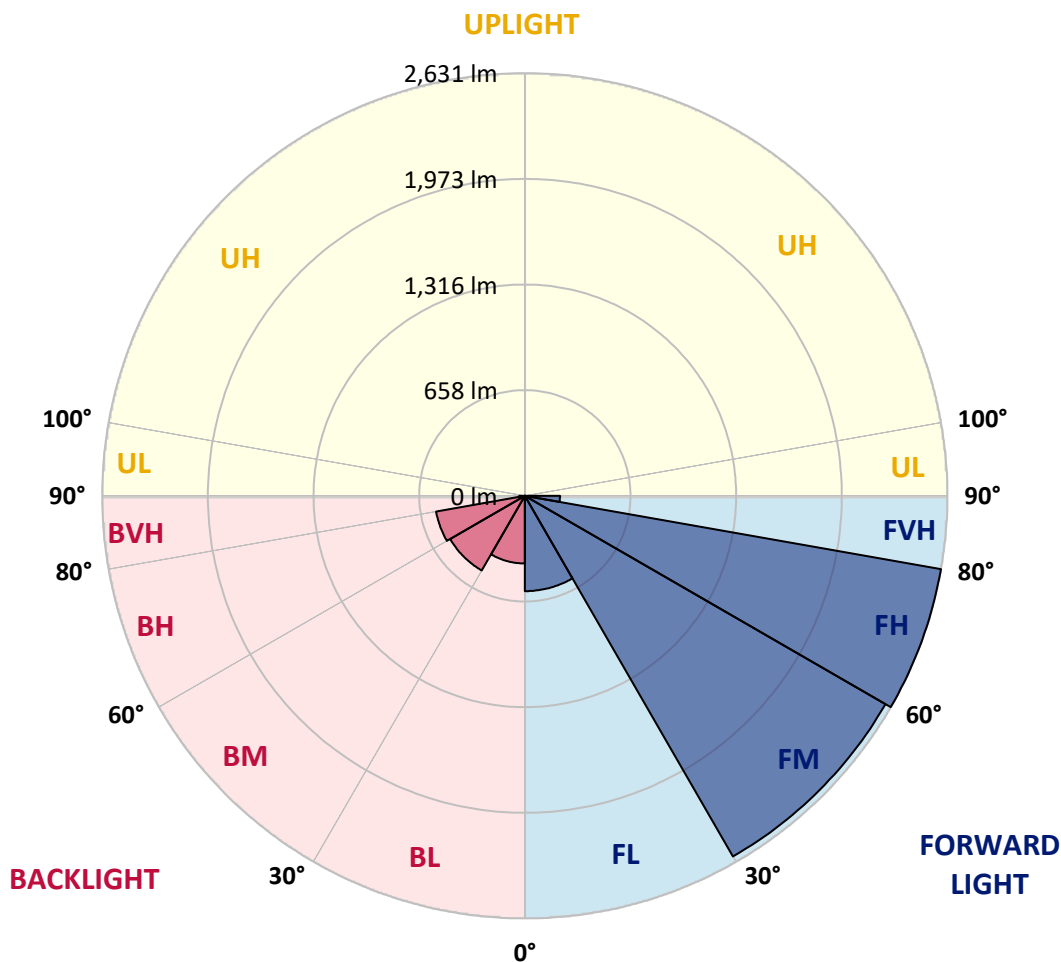


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	593.5	7.8			
FM (30°-60°)	2593.0	34.2			
FH (60°-80°)	2631.3	34.7			G2/5000
FVH (80°-90°)	218.9	2.9			G2/225
BL (0°-30°)	421.1	5.5	B1/500		
BM (30°-60°)	536.7	7.1	B1/1000		
BH (60°-80°)	560.8	7.4	B2/1000		G2/1000
BVH (80°-90°)	35.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9
2.5°	1595.1	1603.5	1606.4	1612.0	1626.1	1637.4	1654.3	1662.8	1654.3	1665.6	1665.6
5°	1485.0	1473.7	1501.9	1513.2	1530.1	1552.7	1592.2	1623.3	1614.8	1648.7	1676.9
7.5°	1391.8	1391.8	1400.3	1425.7	1445.4	1479.3	1521.7	1569.7	1583.8	1628.9	1671.3
10°	1307.1	1318.4	1318.4	1357.9	1369.2	1408.7	1479.3	1538.6	1541.4	1617.6	1676.9
12.5°	1261.9	1256.3	1284.5	1295.8	1329.7	1369.2	1425.7	1499.1	1501.9	1583.8	1665.6
15°	1225.2	1230.9	1245.0	1273.2	1304.3	1335.3	1389.0	1456.7	1470.8	1566.8	1660.0
17.5°	1228.1	1230.9	1230.9	1250.6	1276.0	1312.7	1363.6	1442.6	1451.1	1544.2	1651.5
20°	1245.0	1233.7	1242.2	1250.6	1267.6	1301.5	1343.8	1411.6	1420.0	1541.4	1671.3
22.5°	1281.7	1273.2	1270.4	1267.6	1264.8	1284.5	1338.2	1394.6	1403.1	1527.3	1679.8
25°	1341.0	1338.2	1318.4	1298.6	1284.5	1284.5	1326.9	1408.7	1405.9	1527.3	1685.4
27.5°	1411.6	1411.6	1408.7	1372.0	1329.7	1307.1	1335.3	1403.1	1400.3	1527.3	1699.5
30°	1507.5	1507.5	1499.1	1465.2	1389.0	1324.0	1341.0	1397.4	1405.9	1516.0	1688.2
32.5°	1612.0	1609.2	1617.6	1586.6	1507.5	1403.1	1374.9	1408.7	1417.2	1527.3	1691.0
35°	1688.2	1705.2	1733.4	1705.2	1626.1	1485.0	1422.9	1431.3	1437.0	1530.1	1702.3
37.5°	1775.7	1795.5	1835.0	1857.6	1772.9	1609.2	1499.1	1468.0	1468.0	1566.8	1705.2
40°	1902.8	1883.0	1950.8	1990.3	1956.4	1761.6	1617.6	1535.8	1538.6	1614.8	1741.9
42.5°	1995.9	2015.7	2086.3	2156.9	2114.5	1948.0	1747.5	1645.9	1645.9	1685.4	1798.3
45°	2100.4	2123.0	2221.8	2306.5	2337.5	2171.0	1925.4	1804.0	1798.3	1823.7	1900.0
47.5°	2216.1	2247.2	2360.1	2458.9	2540.8	2402.5	2154.0	1995.9	1993.1	2012.9	2069.3
50°	2348.8	2360.1	2453.3	2634.0	2797.7	2710.2	2433.5	2267.0	2252.8	2261.3	2337.5
52.5°	2388.4	2379.9	2487.2	2682.0	2981.2	3085.7	2814.6	2574.7	2569.0	2549.3	2648.1
55°	2244.4	2272.6	2377.1	2625.5	3130.8	3528.9	3232.5	2995.3	2944.5	2890.9	3009.4
57.5°	1956.4	1959.2	2077.8	2371.4	3015.1	3895.9	3941.1	3407.5	3410.3	3266.3	3401.9
60°	1521.7	1513.2	1606.4	1871.7	2684.8	4008.8	4714.6	4065.3	4037.1	3641.8	3766.0
62.5°	1098.2	1081.3	1101.0	1256.3	2007.2	3836.6	5474.0	4802.1	4683.6	4025.8	4121.8
65°	903.4	911.9	920.3	928.8	1126.4	3164.7	5708.3	6004.8	5846.7	4474.6	4514.2
67.5°	748.1	753.8	790.5	841.3	835.6	1868.9	5437.3	7117.1	7057.8	5030.8	4852.9
70°	635.2	632.4	674.7	767.9	782.0	971.2	4305.3	7345.8	7472.8	5629.3	5236.9
72.5°	508.2	513.8	550.5	674.7	767.9	818.7	2478.7	6854.5	6851.7	6089.5	5030.8
75°	364.2	364.2	415.0	559.0	742.5	810.2	1372.0	5564.4	5668.8	5722.5	4364.5
77.5°	240.0	251.3	290.8	417.8	697.3	793.3	869.5	4045.5	4175.4	4279.8	3339.7
80°	163.7	169.4	194.8	290.8	590.0	798.9	711.4	2721.5	2772.3	2362.9	1355.1
82.5°	98.8	101.6	129.9	203.3	423.5	759.4	669.1	1501.9	1470.8	714.2	389.6
85°	53.6	56.5	81.9	135.5	279.5	663.4	657.8	736.8	686.0	262.5	163.7
87.5°	19.8	19.8	36.7	67.8	160.9	454.5	573.1	437.6	409.4	132.7	76.2
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°	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9
2.5°	1679.8	1679.8	1679.8	1679.8	1676.9	1665.6	1674.1	1671.3	1654.3	1657.2	1645.9
5°	1674.1	1688.2	1679.8	1668.5	1654.3	1620.5	1609.2	1600.7	1578.1	1569.7	1578.1
7.5°	1688.2	1676.9	1671.3	1651.5	1595.1	1564.0	1524.5	1476.5	1442.6	1434.1	1442.6
10°	1685.4	1685.4	1660.0	1603.5	1549.9	1459.6	1408.7	1324.0	1276.0	1261.9	1264.8
12.5°	1674.1	1682.6	1643.1	1552.7	1451.1	1341.0	1247.8	1157.5	1072.8	1038.9	1033.3
15°	1685.4	1676.9	1606.4	1490.6	1349.4	1197.0	1061.5	928.8	849.8	798.9	787.6
17.5°	1668.5	1660.0	1558.4	1405.9	1216.8	1022.0	852.6	708.6	629.6	609.8	609.8
20°	1688.2	1634.6	1501.9	1304.3	1078.4	830.0	638.0	530.7	511.0	511.0	516.6
22.5°	1685.4	1628.9	1453.9	1205.5	911.9	626.7	474.3	443.2	446.1	468.6	465.8
25°	1668.5	1617.6	1386.2	1095.4	736.8	471.5	392.4	383.9	403.7	429.1	426.3
27.5°	1665.6	1586.6	1324.0	965.5	561.8	372.7	341.6	341.6	361.4	383.9	381.1
30°	1648.7	1561.2	1247.8	818.7	423.5	324.7	313.4	313.4	321.8	333.1	333.1
32.5°	1645.9	1527.3	1163.1	666.3	338.8	293.6	288.0	290.8	290.8	296.4	293.6
35°	1623.3	1482.1	1075.6	516.6	293.6	276.7	271.0	268.2	268.2	265.4	265.4
37.5°	1614.8	1453.9	985.3	400.9	273.8	262.5	256.9	248.4	245.6	245.6	242.8
40°	1623.3	1425.7	897.8	324.7	256.9	251.3	242.8	231.5	228.7	228.7	228.7
42.5°	1654.3	1422.9	807.4	282.3	248.4	240.0	228.7	217.4	214.6	217.4	214.6
45°	1724.9	1445.4	719.9	262.5	237.1	228.7	214.6	206.1	203.3	206.1	206.1
47.5°	1840.7	1507.5	640.8	251.3	228.7	217.4	203.3	194.8	194.8	194.8	194.8
50°	2032.6	1626.1	564.6	242.8	223.0	208.9	194.8	183.5	180.7	180.7	183.5
52.5°	2320.6	1829.4	502.5	237.1	214.6	197.6	183.5	175.0	169.4	166.6	169.4
55°	2667.8	2125.8	482.8	231.5	203.3	189.1	175.0	163.7	158.1	158.1	155.3
57.5°	3040.5	2453.3	516.6	225.8	194.8	177.9	163.7	152.4	146.8	144.0	144.0
60°	3444.2	2840.1	640.8	223.0	186.3	166.6	152.4	144.0	135.5	132.7	132.7
62.5°	3811.2	3190.1	863.9	220.2	180.7	155.3	141.2	129.9	124.2	121.4	121.4
65°	4229.0	3579.7	1081.3	231.5	177.9	146.8	129.9	118.6	112.9	110.1	110.1
67.5°	4593.2	3918.5	1208.3	259.7	186.3	135.5	115.7	107.3	104.5	101.6	101.6
70°	4858.6	4022.9	810.2	285.1	200.4	127.0	104.5	98.8	93.2	93.2	93.2
72.5°	4502.9	3591.0	479.9	268.2	189.1	118.6	93.2	87.5	84.7	84.7	81.9
75°	3850.7	3057.4	369.8	217.4	152.4	101.6	81.9	76.2	73.4	73.4	70.6
77.5°	2842.9	2190.7	273.8	172.2	118.6	81.9	70.6	67.8	64.9	62.1	62.1
80°	1112.3	959.9	186.3	127.0	87.5	64.9	59.3	56.5	53.6	50.8	50.8
82.5°	344.4	290.8	107.3	84.7	62.1	50.8	48.0	45.2	42.3	39.5	39.5
85°	149.6	144.0	70.6	53.6	42.3	33.9	33.9	31.1	28.2	25.4	25.4
87.5°	73.4	70.6	39.5	25.4	22.6	16.9	16.9	14.1	11.3	11.3	11.3
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)