

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: P675448

Luminaire Tested: **CCW-SA-1F-827-U-SL2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675448
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-827-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
SL2 distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

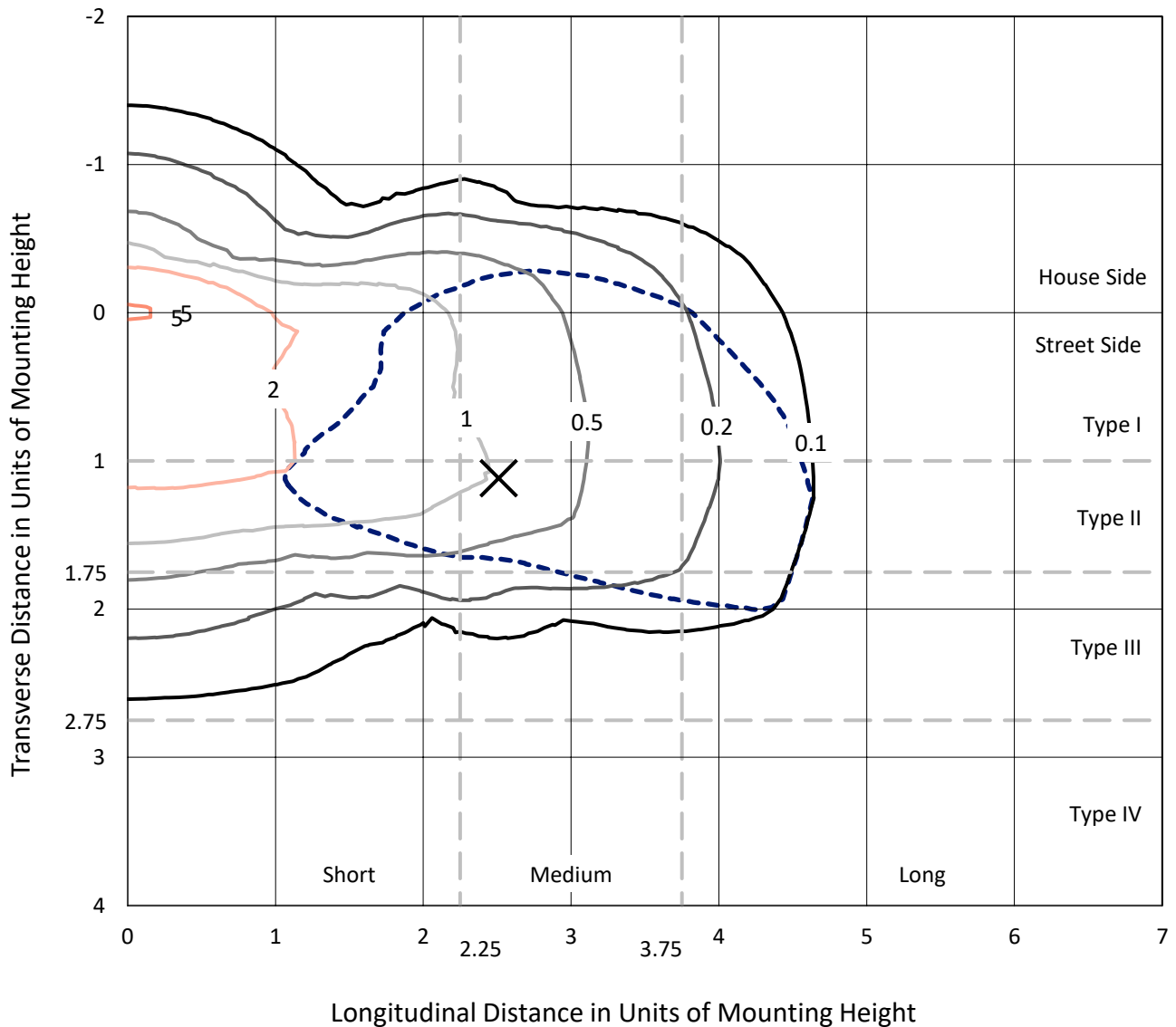
Lumens per Lamp: N/A
Luminaire Lumens: 5454.7 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
Input Voltage (V): 120
Input Current (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

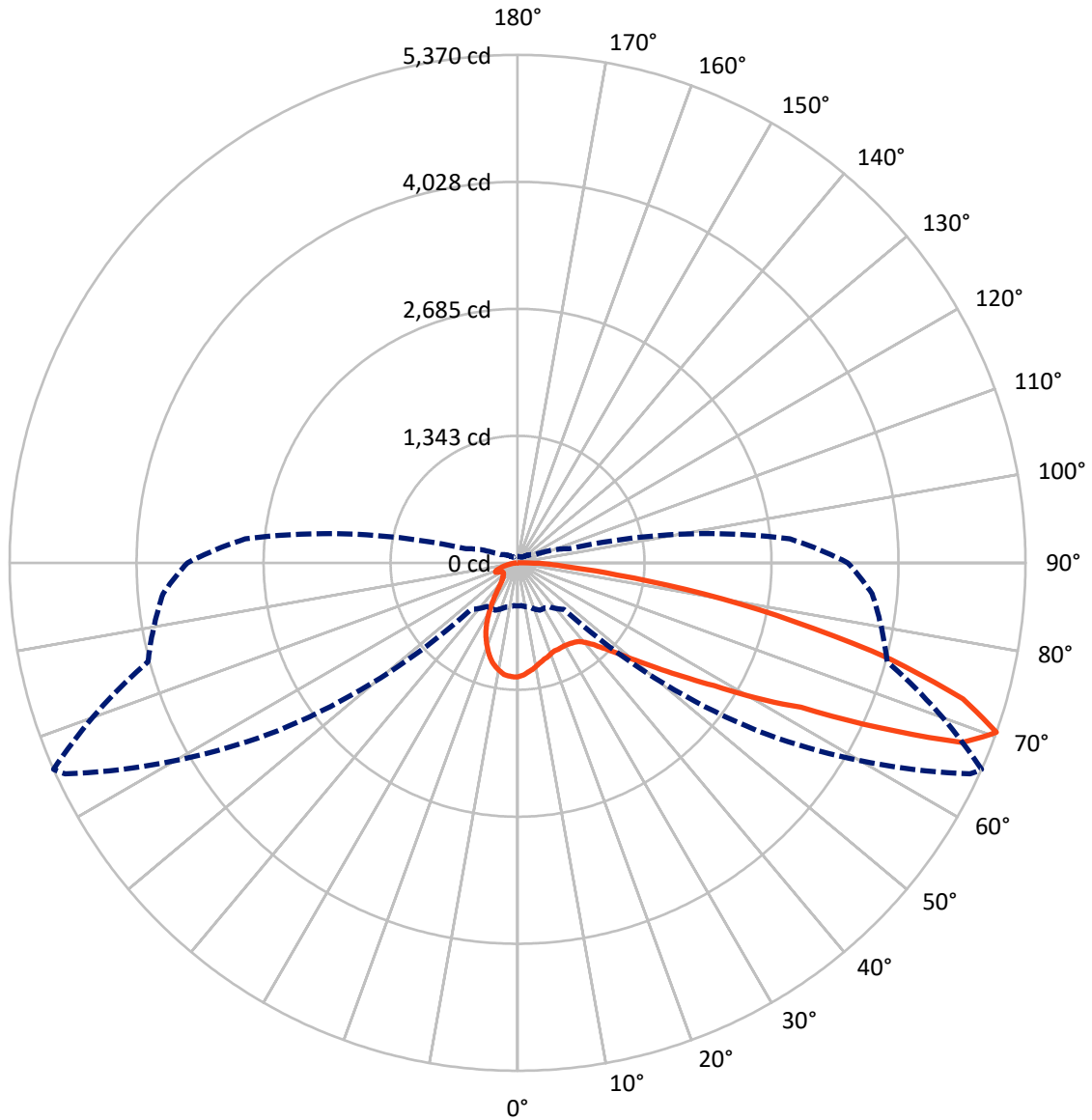
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.4 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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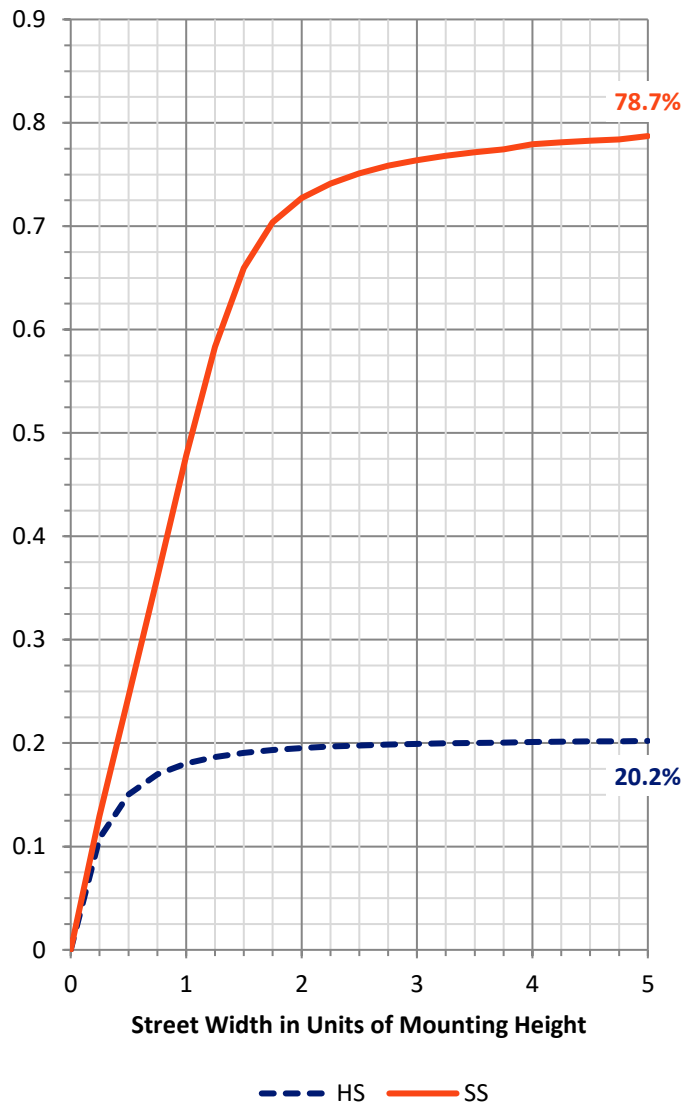
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1116.5	0.0	1116.5
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	4338.2	0.0	4338.2
	% Fixture	79.5	0.0	79.5
Total	Lumens	5454.7	0.0	5454.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.6	2.0
10°-20°	262.3	4.8
20°-30°	360.3	6.6
30°-40°	483.0	8.9
40°-50°	700.8	12.8
50°-60°	1065.3	19.5
60°-70°	1315.7	24.1
70°-80°	978.4	17.9
80°-90°	182.5	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°	5454.7	100.0
0°-180°	5454.7	100.0

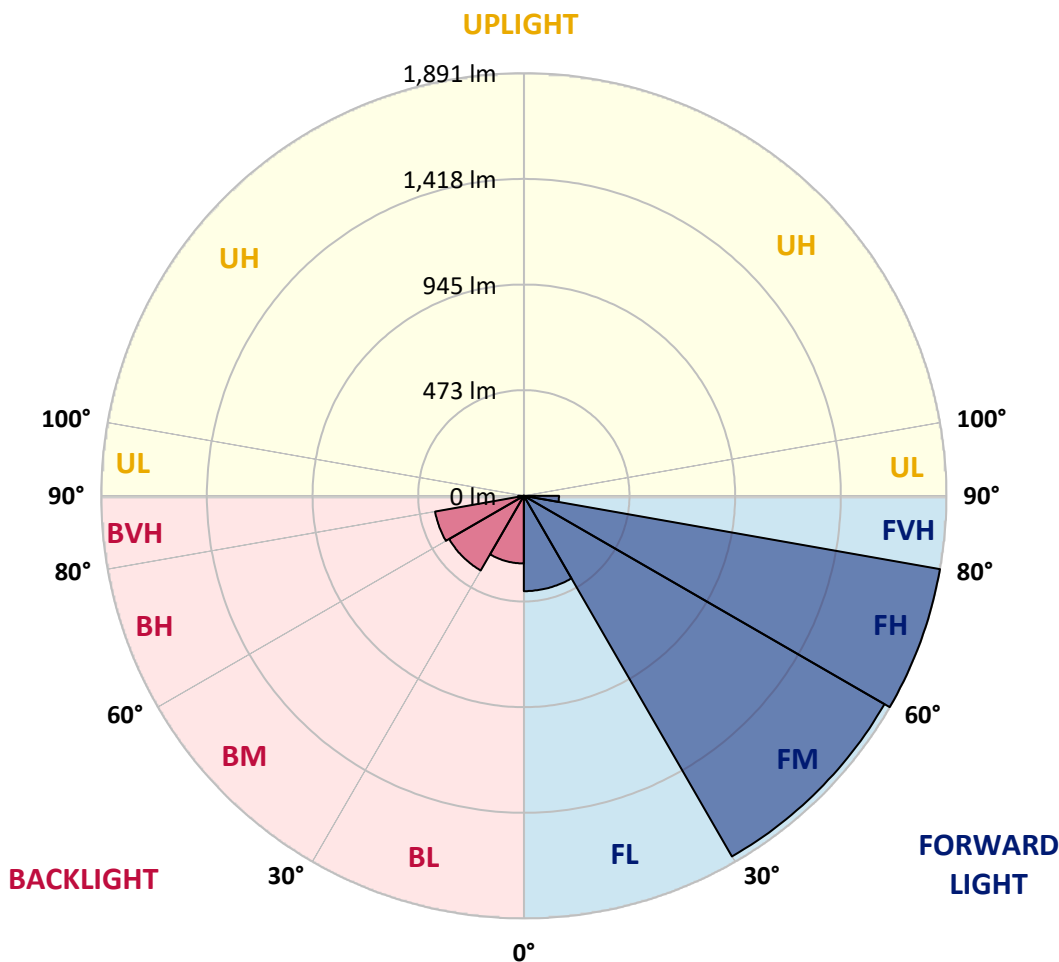


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	426.5	7.8			
FM (30°-60°)	1863.4	34.2			
FH (60°-80°)	1891.0	34.7			G2/5000
FVH (80°-90°)	157.3	2.9			G2/225
BL (0°-30°)	302.6	5.5	B1/500		
BM (30°-60°)	385.7	7.1	B1/1000		
BH (60°-80°)	403.0	7.4	B1/500		G1/500
BVH (80°-90°)	25.2	0.5			G1/100
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°	65°	66°	75°	85°
0°	1205.1	1205.1	1205.1	1205.1	1205.1	1205.1	1205.1	1205.1	1205.1	1205.1	1205.1
2.5°	1146.3	1152.4	1154.4	1158.5	1168.6	1176.7	1188.9	1195.0	1188.9	1197.0	1197.0
5°	1067.2	1059.0	1079.3	1087.4	1099.6	1115.8	1144.3	1166.6	1160.5	1184.8	1205.1
7.5°	1000.2	1000.2	1006.3	1024.6	1038.8	1063.1	1093.5	1128.0	1138.2	1170.6	1201.1
10°	939.3	947.5	947.5	975.9	984.0	1012.4	1063.1	1105.7	1107.7	1162.5	1205.1
12.5°	906.9	902.8	923.1	931.2	955.6	984.0	1024.6	1077.3	1079.3	1138.2	1197.0
15°	880.5	884.6	894.7	915.0	937.3	959.6	998.2	1046.9	1057.0	1126.0	1192.9
17.5°	882.5	884.6	884.6	898.8	917.0	943.4	979.9	1036.7	1042.8	1109.8	1186.9
20°	894.7	886.6	892.7	898.8	910.9	935.3	965.7	1014.4	1020.5	1107.7	1201.1
22.5°	921.1	915.0	913.0	910.9	908.9	923.1	961.7	1002.2	1008.3	1097.6	1207.1
25°	963.7	961.7	947.5	933.3	923.1	923.1	953.5	1012.4	1010.3	1097.6	1211.2
27.5°	1014.4	1014.4	1012.4	986.0	955.6	939.3	959.6	1008.3	1006.3	1097.6	1221.3
30°	1083.4	1083.4	1077.3	1053.0	998.2	951.5	963.7	1004.3	1010.3	1089.5	1213.2
32.5°	1158.5	1156.4	1162.5	1140.2	1083.4	1008.3	988.0	1012.4	1018.5	1097.6	1215.3
35°	1213.2	1225.4	1245.7	1225.4	1168.6	1067.2	1022.5	1028.6	1032.7	1099.6	1223.4
37.5°	1276.1	1290.3	1318.7	1335.0	1274.1	1156.4	1077.3	1055.0	1055.0	1126.0	1225.4
40°	1367.4	1353.2	1401.9	1430.3	1406.0	1266.0	1162.5	1103.7	1105.7	1160.5	1251.8
42.5°	1434.4	1448.6	1499.3	1550.0	1519.6	1399.9	1255.8	1182.8	1182.8	1211.2	1292.4
45°	1509.4	1525.7	1596.7	1657.5	1679.9	1560.2	1383.7	1296.4	1292.4	1310.6	1365.4
47.5°	1592.6	1614.9	1696.1	1767.1	1825.9	1726.5	1548.0	1434.4	1432.3	1446.5	1487.1
50°	1688.0	1696.1	1763.0	1892.9	2010.6	1947.7	1748.8	1629.1	1619.0	1625.1	1679.9
52.5°	1716.4	1710.3	1787.4	1927.4	2142.4	2217.5	2022.7	1850.3	1846.2	1832.0	1903.0
55°	1612.9	1633.2	1708.3	1886.8	2250.0	2536.0	2323.0	2152.6	2116.1	2077.5	2162.7
57.5°	1406.0	1408.0	1493.2	1704.2	2166.8	2799.8	2832.2	2448.8	2450.8	2347.3	2444.7
60°	1093.5	1087.4	1154.4	1345.1	1929.4	2880.9	3388.1	2921.5	2901.2	2617.2	2706.4
62.5°	789.2	777.0	791.2	902.8	1442.5	2757.2	3933.9	3451.0	3365.8	2893.1	2962.1
65°	649.2	655.3	661.4	667.5	809.5	2274.3	4102.3	4315.3	4201.7	3215.7	3244.1
67.5°	537.6	541.7	568.1	604.6	600.5	1343.1	3907.5	5114.6	5072.0	3615.3	3487.5
70°	456.5	454.5	484.9	551.8	562.0	697.9	3093.9	5279.0	5370.3	4045.5	3763.4
72.5°	365.2	369.2	395.6	484.9	551.8	588.4	1781.3	4926.0	4923.9	4376.2	3615.3
75°	261.7	261.7	298.2	401.7	533.6	582.3	986.0	3998.8	4073.9	4112.4	3136.5
77.5°	172.4	180.6	209.0	300.3	501.1	570.1	624.9	2907.3	3000.6	3075.7	2400.1
80°	117.7	121.7	140.0	209.0	424.0	574.2	511.3	1955.8	1992.3	1698.1	973.8
82.5°	71.0	73.0	93.3	146.1	304.3	545.8	480.8	1079.3	1057.0	513.3	280.0
85°	38.5	40.6	58.8	97.4	200.9	476.8	472.7	529.5	493.0	188.7	117.7
87.5°	14.2	14.2	26.4	48.7	115.6	326.6	411.8	314.5	294.2	95.4	54.8
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°	1205.1	1205.1	1205.1	1205.1	1205.1	1205.1	1205.1	1205.1	1205.1	1205.1	1205.1
2.5°	1207.1	1207.1	1207.1	1207.1	1205.1	1197.0	1203.1	1201.1	1188.9	1190.9	1182.8
5°	1203.1	1213.2	1207.1	1199.0	1188.9	1164.5	1156.4	1150.3	1134.1	1128.0	1134.1
7.5°	1213.2	1205.1	1201.1	1186.9	1146.3	1124.0	1095.6	1061.1	1036.7	1030.6	1036.7
10°	1211.2	1211.2	1192.9	1152.4	1113.8	1048.9	1012.4	951.5	917.0	906.9	908.9
12.5°	1203.1	1209.2	1180.8	1115.8	1042.8	963.7	896.7	831.8	770.9	746.6	742.5
15°	1211.2	1205.1	1154.4	1071.2	969.8	860.2	762.8	667.5	610.7	574.2	566.0
17.5°	1199.0	1192.9	1119.9	1010.3	874.4	734.4	612.7	509.2	452.4	438.2	438.2
20°	1213.2	1174.7	1079.3	937.3	775.0	596.5	458.5	381.4	367.2	367.2	371.3
22.5°	1211.2	1170.6	1044.8	866.3	655.3	450.4	340.8	318.5	320.6	336.8	334.8
25°	1199.0	1162.5	996.1	787.2	529.5	338.8	282.0	275.9	290.1	308.4	306.4
27.5°	1197.0	1140.2	951.5	693.9	403.7	267.8	245.5	245.5	259.7	275.9	273.9
30°	1184.8	1121.9	896.7	588.4	304.3	233.3	225.2	225.2	231.3	239.4	239.4
32.5°	1182.8	1097.6	835.9	478.8	243.5	211.0	206.9	209.0	209.0	213.0	211.0
35°	1166.6	1065.1	773.0	371.3	211.0	198.8	194.8	192.7	192.7	190.7	190.7
37.5°	1160.5	1044.8	708.1	288.1	196.8	188.7	184.6	178.5	176.5	176.5	174.5
40°	1166.6	1024.6	645.2	233.3	184.6	180.6	174.5	166.4	164.3	164.3	164.3
42.5°	1188.9	1022.5	580.2	202.9	178.5	172.4	164.3	156.2	154.2	156.2	154.2
45°	1239.6	1038.8	517.3	188.7	170.4	164.3	154.2	148.1	146.1	148.1	148.1
47.5°	1322.8	1083.4	460.5	180.6	164.3	156.2	146.1	140.0	140.0	140.0	140.0
50°	1460.7	1168.6	405.8	174.5	160.3	150.1	140.0	131.9	129.8	129.8	131.9
52.5°	1667.7	1314.7	361.1	170.4	154.2	142.0	131.9	125.8	121.7	119.7	121.7
55°	1917.2	1527.7	346.9	166.4	146.1	135.9	125.8	117.7	113.6	113.6	111.6
57.5°	2185.0	1763.0	371.3	162.3	140.0	127.8	117.7	109.6	105.5	103.5	103.5
60°	2475.2	2041.0	460.5	160.3	133.9	119.7	109.6	103.5	97.4	95.4	95.4
62.5°	2738.9	2292.6	620.8	158.2	129.8	111.6	101.4	93.3	89.3	87.2	87.2
65°	3039.2	2572.5	777.0	166.4	127.8	105.5	93.3	85.2	81.2	79.1	79.1
67.5°	3300.9	2816.0	868.3	186.7	133.9	97.4	83.2	77.1	75.1	73.0	73.0
70°	3491.6	2891.1	582.3	204.9	144.0	91.3	75.1	71.0	67.0	67.0	67.0
72.5°	3236.0	2580.7	344.9	192.7	135.9	85.2	67.0	62.9	60.9	60.9	58.8
75°	2767.3	2197.2	265.8	156.2	109.6	73.0	58.8	54.8	52.7	52.7	50.7
77.5°	2043.0	1574.4	196.8	123.8	85.2	58.8	50.7	48.7	46.7	44.6	44.6
80°	799.4	689.8	133.9	91.3	62.9	46.7	42.6	40.6	38.5	36.5	36.5
82.5°	247.5	209.0	77.1	60.9	44.6	36.5	34.5	32.5	30.4	28.4	28.4
85°	107.5	103.5	50.7	38.5	30.4	24.3	24.3	22.3	20.3	18.3	18.3
87.5°	52.7	50.7	28.4	18.3	16.2	12.2	12.2	10.1	8.1	8.1	8.1
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)