

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: P675372

Luminaire Tested: **CCW-SA-2A-722-U-SL2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675372
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-722-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
SL2 distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

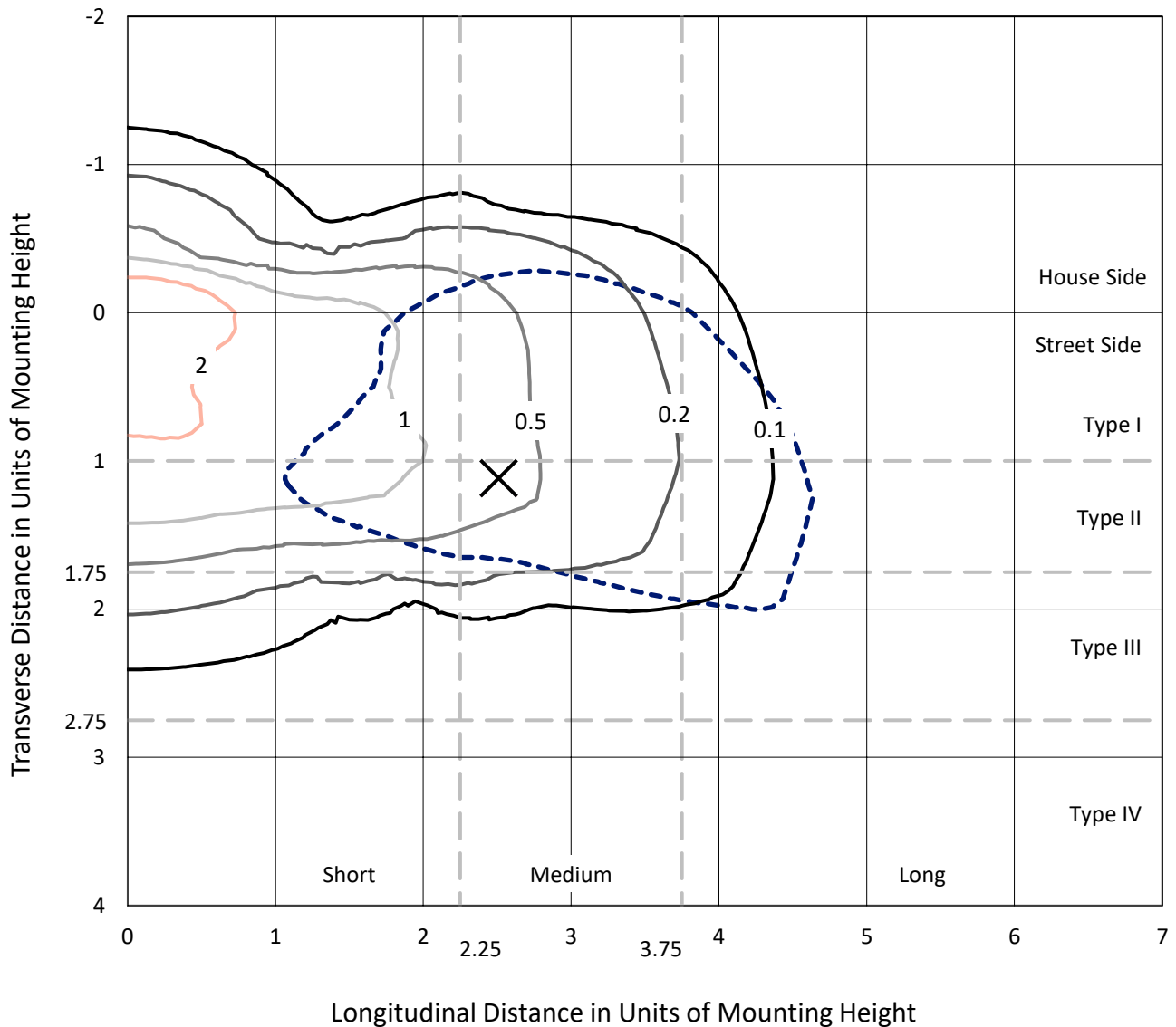
Lumens per Lamp: N/A
Luminaire Lumens: 3988.8 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 36.2
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

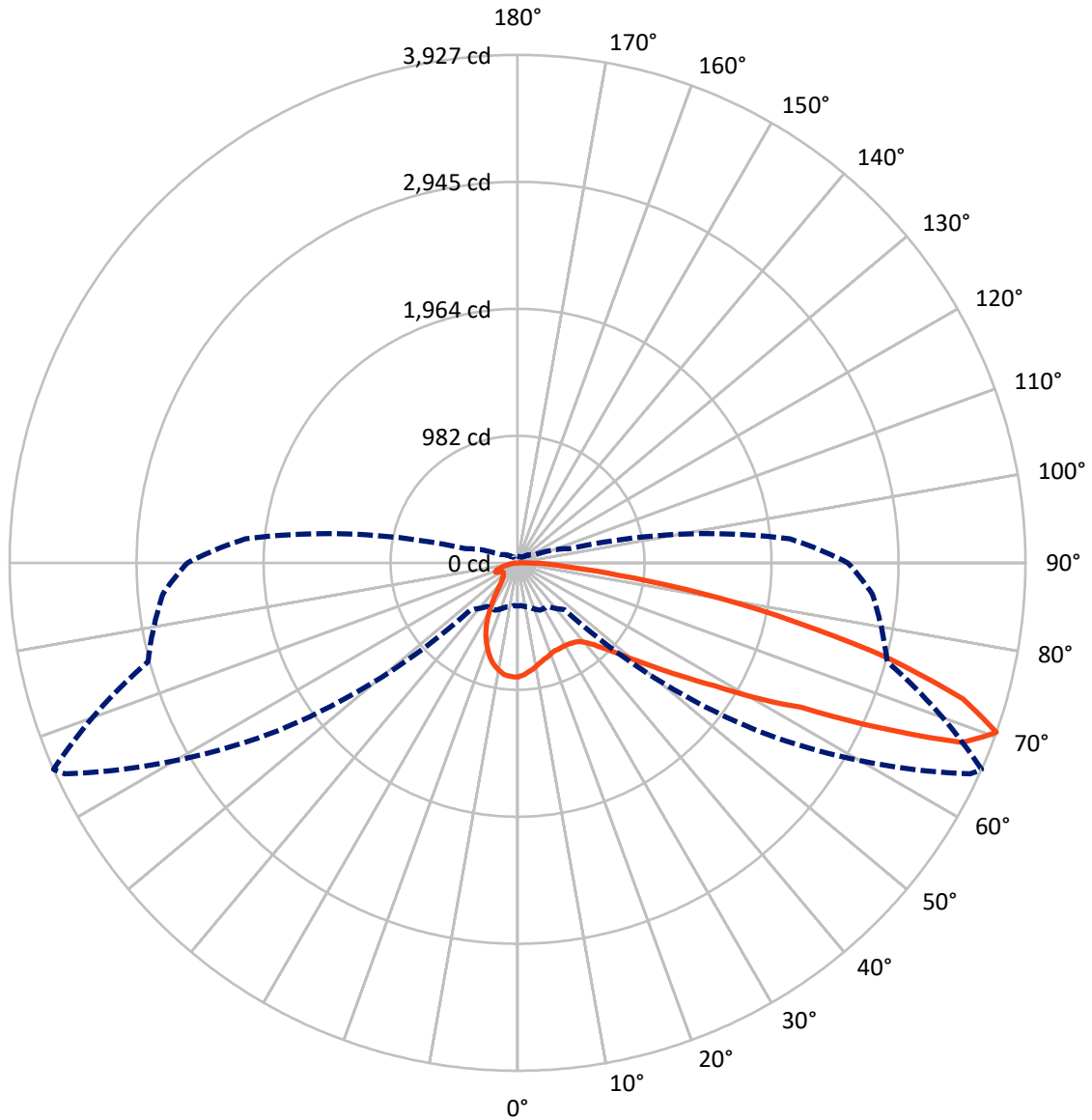
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 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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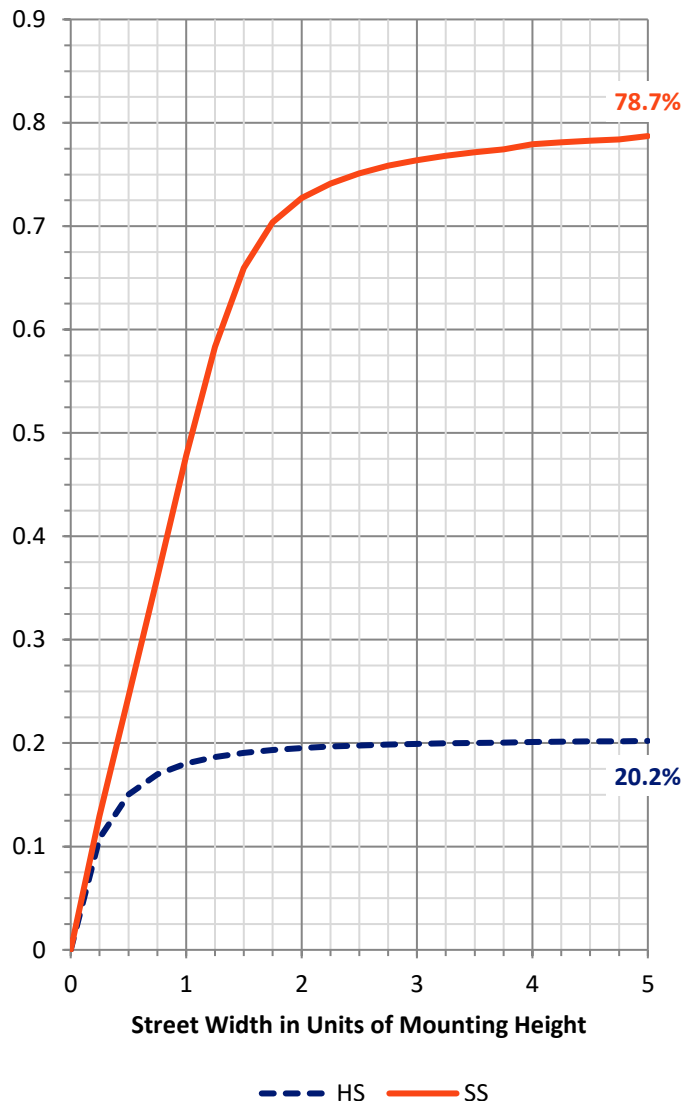
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	816.5	0.0	816.5
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	3172.4	0.0	3172.4
	% Fixture	79.5	0.0	79.5
Total	Lumens	3988.8	0.0	3988.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.9	2.0
10°-20°	191.8	4.8
20°-30°	263.4	6.6
30°-40°	353.2	8.9
40°-50°	512.5	12.8
50°-60°	779.0	19.5
60°-70°	962.1	24.1
70°-80°	715.4	17.9
80°-90°	133.5	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°	3988.8	100.0
0°-180°	3988.8	100.0

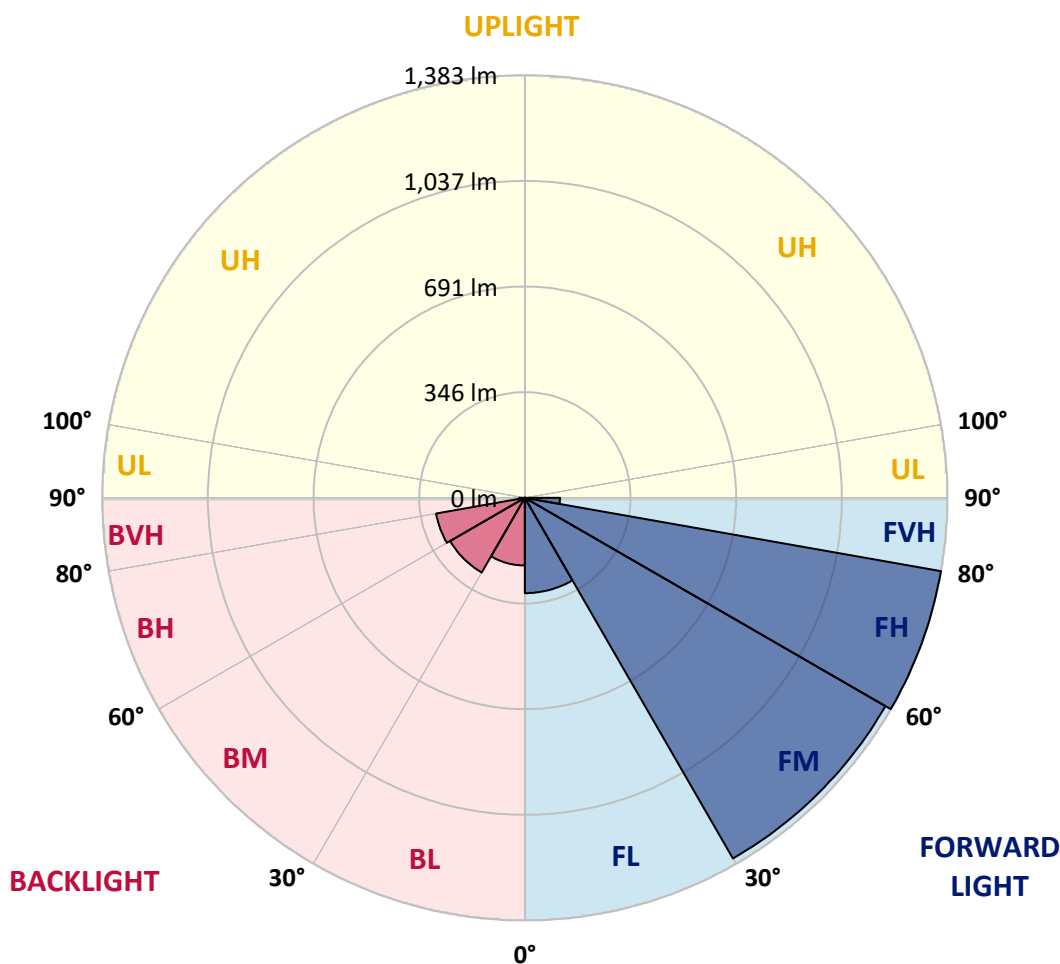


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	311.9	7.8			
FM (30°-60°)	1362.6	34.2			
FH (60°-80°)	1382.8	34.7			G1/1800
FVH (80°-90°)	115.0	2.9			G2/225
BL (0°-30°)	221.3	5.5	B1/500		
BM (30°-60°)	282.0	7.1	B1/1000		
BH (60°-80°)	294.7	7.4	B1/500		G1/500
BVH (80°-90°)	18.4	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°	881.3	881.3	881.3	881.3	881.3	881.3	881.3	881.3	881.3	881.3	881.3
2.5°	838.2	842.7	844.2	847.1	854.6	860.5	869.4	873.8	869.4	875.3	875.3
5°	780.4	774.4	789.3	795.2	804.1	816.0	836.8	853.1	848.6	866.4	881.3
7.5°	731.4	731.4	735.9	749.2	759.6	777.4	799.7	824.9	832.3	856.0	878.3
10°	686.9	692.8	692.8	713.6	719.5	740.3	777.4	808.6	810.0	850.1	881.3
12.5°	663.2	660.2	675.0	681.0	698.8	719.5	749.2	787.8	789.3	832.3	875.3
15°	643.9	646.9	654.3	669.1	685.4	701.7	729.9	765.5	773.0	823.4	872.4
17.5°	645.4	646.9	646.9	657.2	670.6	689.9	716.6	758.1	762.6	811.5	867.9
20°	654.3	648.3	652.8	657.2	666.1	683.9	706.2	741.8	746.3	810.0	878.3
22.5°	673.6	669.1	667.6	666.1	664.7	675.0	703.2	732.9	737.4	802.6	882.7
25°	704.7	703.2	692.8	682.5	675.0	675.0	697.3	740.3	738.8	802.6	885.7
27.5°	741.8	741.8	740.3	721.0	698.8	686.9	701.7	737.4	735.9	802.6	893.1
30°	792.2	792.2	787.8	770.0	729.9	695.8	704.7	734.4	738.8	796.7	887.2
32.5°	847.1	845.7	850.1	833.8	792.2	737.4	722.5	740.3	744.8	802.6	888.7
35°	887.2	896.1	910.9	896.1	854.6	780.4	747.7	752.2	755.2	804.1	894.6
37.5°	933.2	943.6	964.3	976.2	931.7	845.7	787.8	771.5	771.5	823.4	896.1
40°	999.9	989.6	1025.2	1045.9	1028.1	925.8	850.1	807.1	808.6	848.6	915.4
42.5°	1048.9	1059.3	1096.4	1133.5	1111.2	1023.7	918.3	864.9	864.9	885.7	945.1
45°	1103.8	1115.7	1167.6	1212.1	1228.4	1140.9	1011.8	948.0	945.1	958.4	998.5
47.5°	1164.6	1180.9	1240.3	1292.2	1335.2	1262.5	1132.0	1048.9	1047.4	1057.8	1087.5
50°	1234.4	1240.3	1289.3	1384.2	1470.2	1424.3	1278.9	1191.3	1183.9	1188.4	1228.4
52.5°	1255.1	1250.7	1307.1	1409.4	1566.7	1621.6	1479.2	1353.0	1350.1	1339.7	1391.6
55°	1179.5	1194.3	1249.2	1379.7	1645.3	1854.5	1698.7	1574.1	1547.4	1519.2	1581.5
57.5°	1028.1	1029.6	1091.9	1246.2	1584.5	2047.4	2071.1	1790.7	1792.2	1716.5	1787.7
60°	799.7	795.2	844.2	983.6	1410.9	2106.7	2477.6	2136.4	2121.6	1913.8	1979.1
62.5°	577.1	568.2	578.6	660.2	1054.8	2016.2	2876.7	2523.6	2461.3	2115.6	2166.1
65°	474.8	479.2	483.7	488.1	592.0	1663.1	2999.8	3155.6	3072.5	2351.5	2372.3
67.5°	393.2	396.1	415.4	442.1	439.1	982.1	2857.4	3740.2	3709.0	2643.8	2550.3
70°	333.8	332.3	354.6	403.5	411.0	510.4	2262.5	3860.3	3927.1	2958.3	2752.1
72.5°	267.0	270.0	289.3	354.6	403.5	430.2	1302.6	3602.2	3600.7	3200.1	2643.8
75°	191.4	191.4	218.1	293.8	390.2	425.8	721.0	2924.2	2979.1	3007.3	2293.6
77.5°	126.1	132.0	152.8	219.6	366.4	416.9	456.9	2126.0	2194.2	2249.1	1755.1
80°	86.0	89.0	102.4	152.8	310.1	419.9	373.9	1430.2	1456.9	1241.8	712.1
82.5°	51.9	53.4	68.2	106.8	222.5	399.1	351.6	789.3	773.0	375.4	204.7
85°	28.2	29.7	43.0	71.2	146.9	348.6	345.7	387.2	360.5	138.0	86.0
87.5°	10.4	10.4	19.3	35.6	84.6	238.9	301.2	230.0	215.1	69.7	40.1
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°	881.3	881.3	881.3	881.3	881.3	881.3	881.3	881.3	881.3	881.3	881.3
2.5°	882.7	882.7	882.7	882.7	881.3	875.3	879.8	878.3	869.4	870.9	864.9
5°	879.8	887.2	882.7	876.8	869.4	851.6	845.7	841.2	829.3	824.9	829.3
7.5°	887.2	881.3	878.3	867.9	838.2	821.9	801.1	775.9	758.1	753.7	758.1
10°	885.7	885.7	872.4	842.7	814.5	767.0	740.3	695.8	670.6	663.2	664.7
12.5°	879.8	884.2	863.5	816.0	762.6	704.7	655.8	608.3	563.8	546.0	543.0
15°	885.7	881.3	844.2	783.3	709.2	629.0	557.8	488.1	446.6	419.9	413.9
17.5°	876.8	872.4	818.9	738.8	639.4	537.1	448.0	372.4	330.8	320.5	320.5
20°	887.2	859.0	789.3	685.4	566.7	436.2	335.3	278.9	268.5	268.5	271.5
22.5°	885.7	856.0	764.1	633.5	479.2	329.4	249.2	232.9	234.4	246.3	244.8
25°	876.8	850.1	728.4	575.6	387.2	247.8	206.2	201.8	212.2	225.5	224.0
27.5°	875.3	833.8	695.8	507.4	295.2	195.8	179.5	179.5	189.9	201.8	200.3
30°	866.4	820.4	655.8	430.2	222.5	170.6	164.7	164.7	169.1	175.1	175.1
32.5°	864.9	802.6	611.2	350.1	178.0	154.3	151.3	152.8	152.8	155.8	154.3
35°	853.1	778.9	565.3	271.5	154.3	145.4	142.4	140.9	140.9	139.5	139.5
37.5°	848.6	764.1	517.8	210.7	143.9	138.0	135.0	130.6	129.1	129.1	127.6
40°	853.1	749.2	471.8	170.6	135.0	132.0	127.6	121.7	120.2	120.2	120.2
42.5°	869.4	747.7	424.3	148.4	130.6	126.1	120.2	114.2	112.8	114.2	112.8
45°	906.5	759.6	378.3	138.0	124.6	120.2	112.8	108.3	106.8	108.3	108.3
47.5°	967.3	792.2	336.8	132.0	120.2	114.2	106.8	102.4	102.4	102.4	102.4
50°	1068.2	854.6	296.7	127.6	117.2	109.8	102.4	96.4	95.0	95.0	96.4
52.5°	1219.5	961.4	264.1	124.6	112.8	103.9	96.4	92.0	89.0	87.5	89.0
55°	1402.0	1117.2	253.7	121.7	106.8	99.4	92.0	86.0	83.1	83.1	81.6
57.5°	1597.8	1289.3	271.5	118.7	102.4	93.5	86.0	80.1	77.1	75.7	75.7
60°	1810.0	1492.5	336.8	117.2	97.9	87.5	80.1	75.7	71.2	69.7	69.7
62.5°	2002.9	1676.5	454.0	115.7	95.0	81.6	74.2	68.2	65.3	63.8	63.8
65°	2222.4	1881.2	568.2	121.7	93.5	77.1	68.2	62.3	59.3	57.9	57.9
67.5°	2413.8	2059.2	635.0	136.5	97.9	71.2	60.8	56.4	54.9	53.4	53.4
70°	2553.3	2114.1	425.8	149.8	105.3	66.8	54.9	51.9	49.0	49.0	49.0
72.5°	2366.3	1887.1	252.2	140.9	99.4	62.3	49.0	46.0	44.5	44.5	43.0
75°	2023.6	1606.7	194.4	114.2	80.1	53.4	43.0	40.1	38.6	38.6	37.1
77.5°	1494.0	1151.3	143.9	90.5	62.3	43.0	37.1	35.6	34.1	32.6	32.6
80°	584.5	504.4	97.9	66.8	46.0	34.1	31.2	29.7	28.2	26.7	26.7
82.5°	181.0	152.8	56.4	44.5	32.6	26.7	25.2	23.7	22.3	20.8	20.8
85°	78.6	75.7	37.1	28.2	22.3	17.8	17.8	16.3	14.8	13.4	13.4
87.5°	38.6	37.1	20.8	13.4	11.9	8.9	8.9	7.4	5.9	5.9	5.9
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)