

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: P675433

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

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675433  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1B-760-U-SL2  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/  
SL2 distribution lens  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

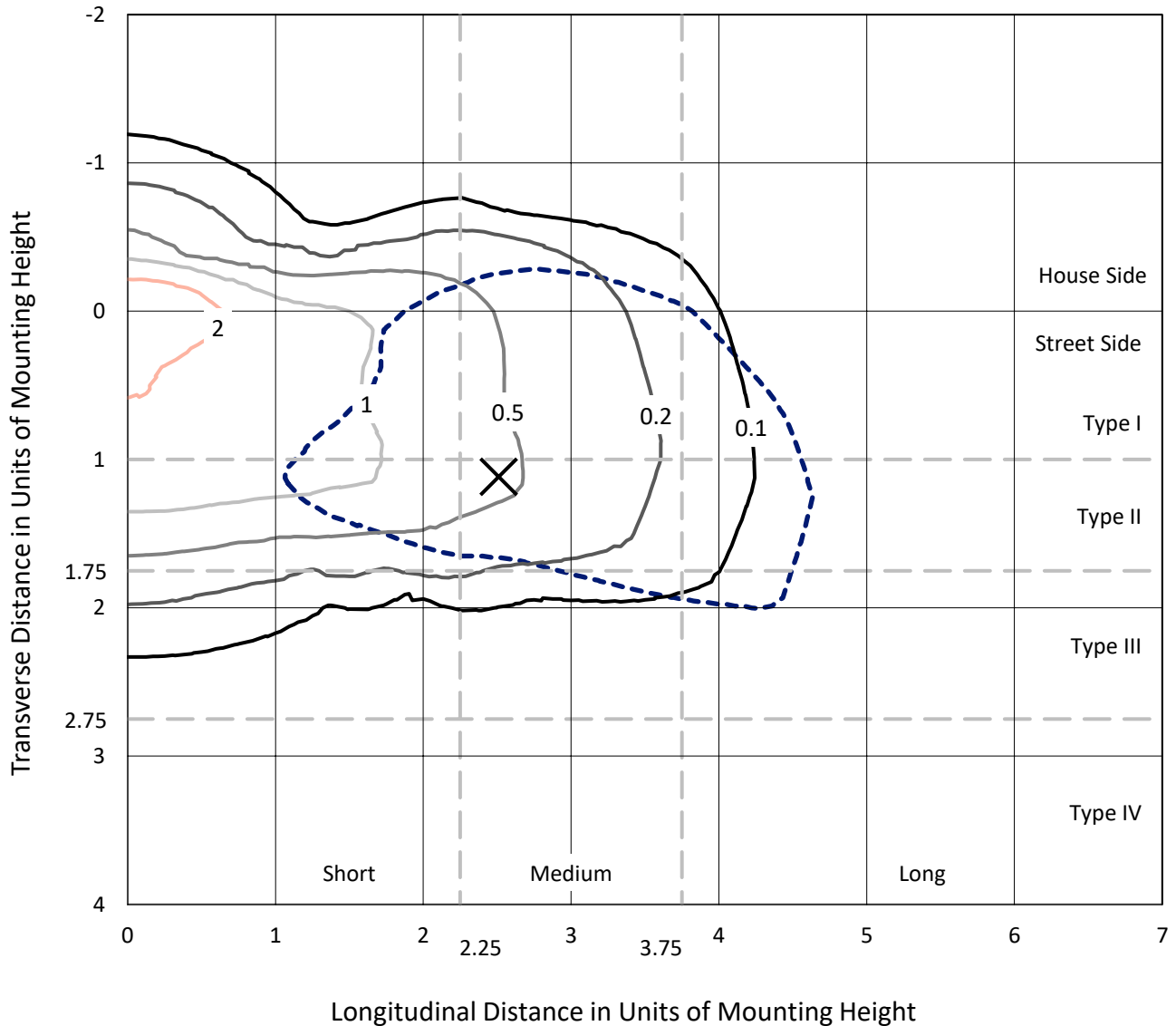
Lumens per Lamp: N/A  
Luminaire Lumens: 3496.2 lumens  
Efficiency: N/A  
Efficacy: 145.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 24  
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

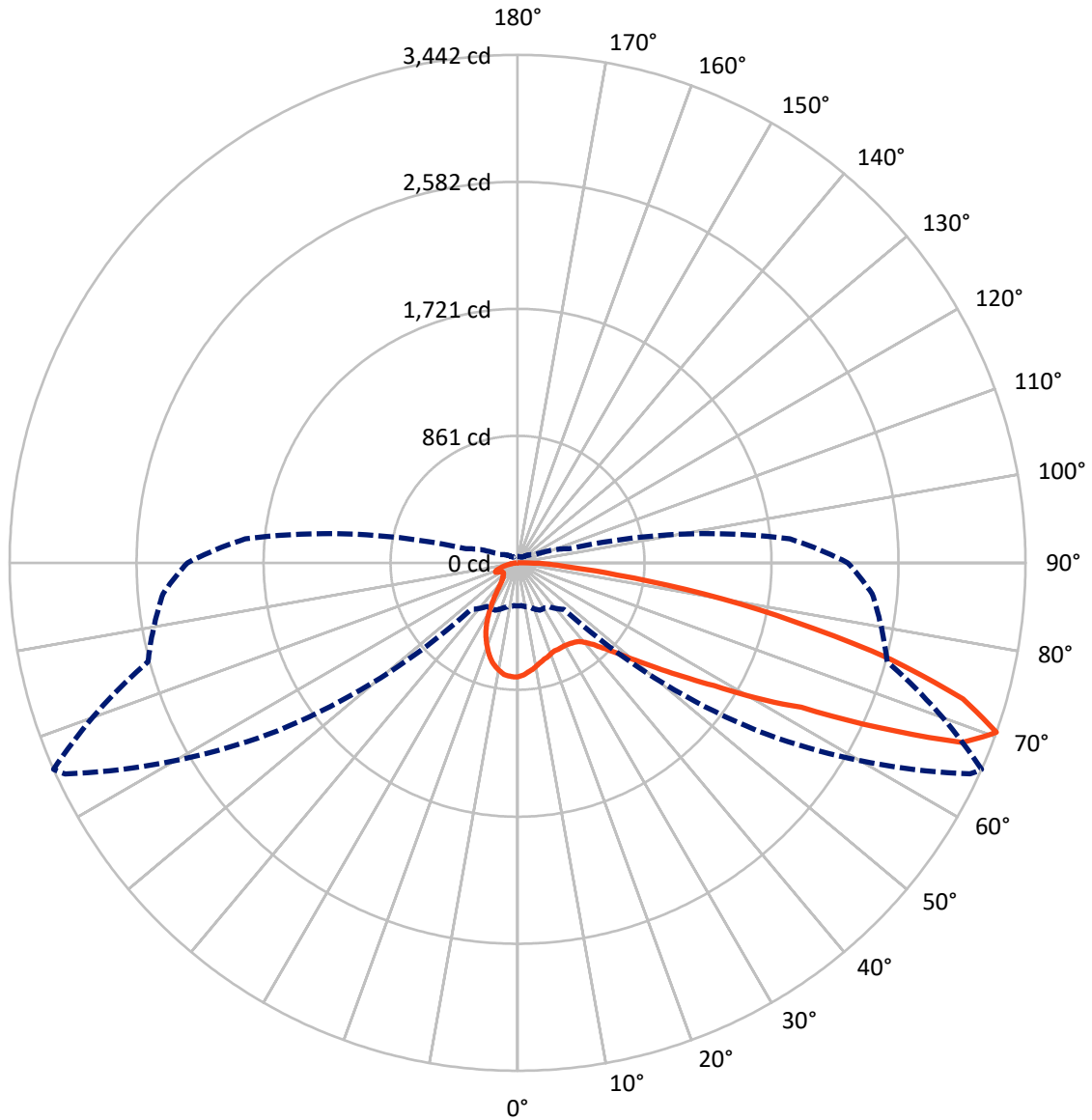
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 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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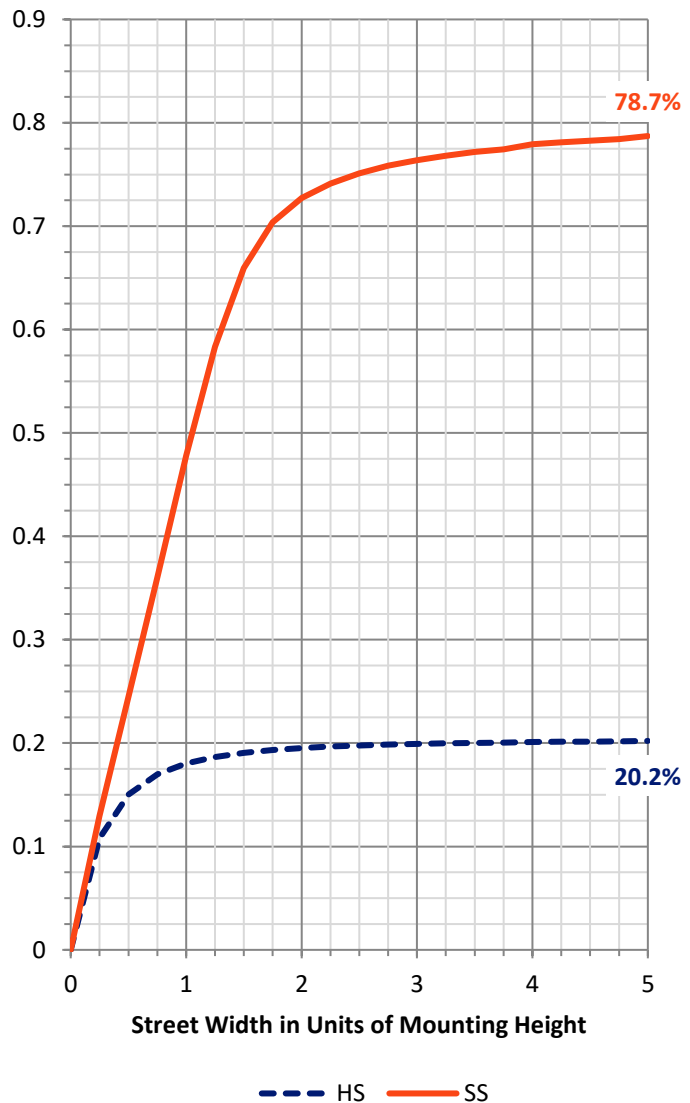
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	715.6	0.0	715.6
	% Fixture	20.5	0.0	20.5
<b>Street Side</b>	Lumens	2780.6	0.0	2780.6
	% Fixture	79.5	0.0	79.5
<b>Total</b>	Lumens	3496.2	0.0	3496.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.3	2.0
10°-20°	168.1	4.8
20°-30°	230.9	6.6
30°-40°	309.6	8.9
40°-50°	449.2	12.8
50°-60°	682.8	19.5
60°-70°	843.3	24.1
70°-80°	627.1	17.9
80°-90°	117.0	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°	3496.2	100.0
0°-180°	3496.2	100.0

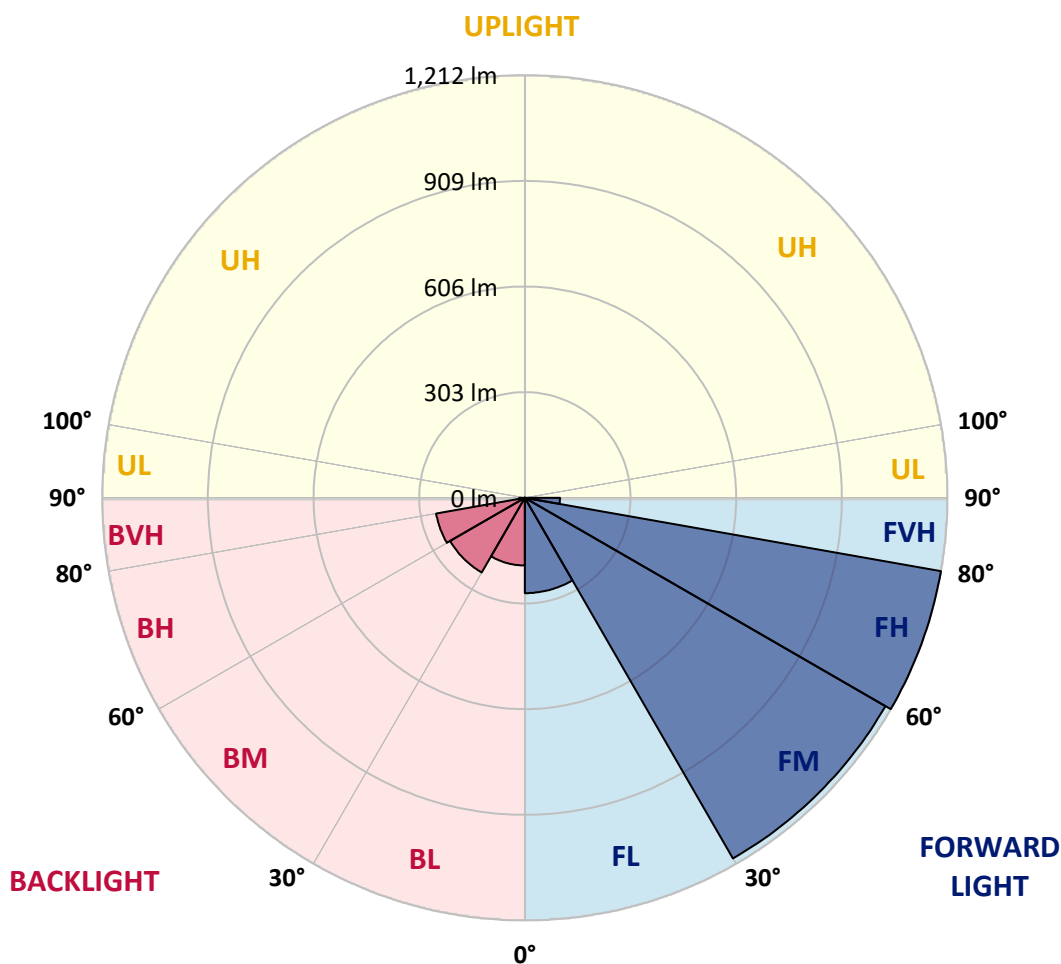


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	273.4	7.8			
FM (30°-60°)	1194.4	34.2			
FH (60°-80°)	1212.0	34.7			G1/1800
FVH (80°-90°)	100.8	2.9			G2/225
BL (0°-30°)	194.0	5.5	B1/500		
BM (30°-60°)	247.2	7.1	B1/1000		
BH (60°-80°)	258.3	7.4	B1/500		G1/500
BVH (80°-90°)	16.1	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°	772.4	772.4	772.4	772.4	772.4	772.4	772.4	772.4	772.4	772.4	772.4
2.5°	734.7	738.6	739.9	742.5	749.0	754.2	762.0	765.9	762.0	767.2	767.2
5°	684.0	678.8	691.8	697.0	704.8	715.2	733.4	747.7	743.8	759.4	772.4
7.5°	641.1	641.1	645.0	656.7	665.8	681.4	700.9	723.0	729.5	750.3	769.8
10°	602.1	607.3	607.3	625.5	630.7	648.9	681.4	708.7	710.0	745.1	772.4
12.5°	581.3	578.7	591.7	596.9	612.5	630.7	656.7	690.5	691.8	729.5	767.2
15°	564.4	567.0	573.5	586.5	600.8	615.1	639.8	671.0	677.5	721.7	764.6
17.5°	565.7	567.0	567.0	576.1	587.8	604.7	628.1	664.5	668.4	711.3	760.7
20°	573.5	568.3	572.2	576.1	583.9	599.5	619.0	650.2	654.1	710.0	769.8
22.5°	590.4	586.5	585.2	583.9	582.6	591.7	616.4	642.4	646.3	703.5	773.7
25°	617.7	616.4	607.3	598.2	591.7	591.7	611.2	648.9	647.6	703.5	776.3
27.5°	650.2	650.2	648.9	632.0	612.5	602.1	615.1	646.3	645.0	703.5	782.8
30°	694.4	694.4	690.5	674.9	639.8	609.9	617.7	643.7	647.6	698.3	777.6
32.5°	742.5	741.2	745.1	730.8	694.4	646.3	633.3	648.9	652.8	703.5	778.9
35°	777.6	785.4	798.4	785.4	749.0	684.0	655.4	659.3	661.9	704.8	784.1
37.5°	817.9	827.0	845.3	855.7	816.6	741.2	690.5	676.2	676.2	721.7	785.4
40°	876.5	867.4	898.6	916.8	901.2	811.4	745.1	707.4	708.7	743.8	802.3
42.5°	919.4	928.5	961.0	993.5	974.0	897.3	804.9	758.1	758.1	776.3	828.4
45°	967.5	977.9	1023.4	1062.4	1076.7	1000.0	886.9	831.0	828.4	840.1	875.2
47.5°	1020.8	1035.1	1087.1	1132.6	1170.4	1106.6	992.2	919.4	918.1	927.2	953.2
50°	1081.9	1087.1	1130.0	1213.3	1288.7	1248.4	1120.9	1044.2	1037.7	1041.6	1076.7
52.5°	1100.1	1096.2	1145.6	1235.4	1373.2	1421.3	1296.5	1186.0	1183.4	1174.3	1219.8
55°	1033.8	1046.8	1094.9	1209.4	1442.1	1625.5	1488.9	1379.7	1356.3	1331.6	1386.2
57.5°	901.2	902.5	957.1	1092.3	1388.8	1794.5	1815.3	1569.6	1570.9	1504.6	1567.0
60°	700.9	697.0	739.9	862.2	1236.7	1846.6	2171.7	1872.6	1859.6	1677.5	1734.7
62.5°	505.9	498.1	507.2	578.7	924.6	1767.2	2521.5	2212.0	2157.4	1854.4	1898.6
65°	416.1	420.0	423.9	427.8	518.9	1457.7	2629.4	2765.9	2693.1	2061.1	2079.3
67.5°	344.6	347.2	364.1	387.5	384.9	860.9	2504.6	3278.3	3251.0	2317.3	2235.4
70°	292.6	291.3	310.8	353.7	360.2	447.3	1983.1	3383.6	3442.1	2593.0	2412.2
72.5°	234.1	236.7	253.6	310.8	353.7	377.1	1141.7	3157.4	3156.1	2804.9	2317.3
75°	167.8	167.8	191.2	257.5	342.0	373.2	632.0	2563.1	2611.2	2635.9	2010.4
77.5°	110.5	115.7	133.9	192.5	321.2	365.4	400.5	1863.5	1923.3	1971.4	1538.4
80°	75.4	78.0	89.7	133.9	271.8	368.0	327.7	1253.6	1277.0	1088.4	624.2
82.5°	45.5	46.8	59.8	93.6	195.1	349.8	308.2	691.8	677.5	329.0	179.5
85°	24.7	26.0	37.7	62.4	128.7	305.6	303.0	339.4	316.0	120.9	75.4
87.5°	9.1	9.1	16.9	31.2	74.1	209.4	264.0	201.6	188.6	61.1	35.1
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°	772.4	772.4	772.4	772.4	772.4	772.4	772.4	772.4	772.4	772.4	772.4
2.5°	773.7	773.7	773.7	773.7	772.4	767.2	771.1	769.8	762.0	763.3	758.1
5°	771.1	777.6	773.7	768.5	762.0	746.4	741.2	737.3	726.9	723.0	726.9
7.5°	777.6	772.4	769.8	760.7	734.7	720.4	702.2	680.1	664.5	660.6	664.5
10°	776.3	776.3	764.6	738.6	713.9	672.3	648.9	609.9	587.8	581.3	582.6
12.5°	771.1	775.0	756.8	715.2	668.4	617.7	574.8	533.2	494.1	478.5	475.9
15°	776.3	772.4	739.9	686.6	621.6	551.4	488.9	427.8	391.4	368.0	362.8
17.5°	768.5	764.6	717.8	647.6	560.5	470.7	392.7	326.4	290.0	280.9	280.9
20°	777.6	752.9	691.8	600.8	496.8	382.3	293.9	244.5	235.4	235.4	238.0
22.5°	776.3	750.3	669.7	555.3	420.0	288.7	218.5	204.2	205.5	215.9	214.6
25°	768.5	745.1	638.5	504.6	339.4	217.2	180.8	176.9	186.0	197.7	196.4
27.5°	767.2	730.8	609.9	444.7	258.8	171.7	157.3	157.3	166.5	176.9	175.6
30°	759.4	719.1	574.8	377.1	195.1	149.5	144.3	144.3	148.2	153.4	153.4
32.5°	758.1	703.5	535.8	306.9	156.0	135.2	132.6	133.9	133.9	136.5	135.2
35°	747.7	682.7	495.4	238.0	135.2	127.4	124.8	123.5	123.5	122.2	122.2
37.5°	743.8	669.7	453.8	184.7	126.1	120.9	118.3	114.4	113.1	113.1	111.8
40°	747.7	656.7	413.5	149.5	118.3	115.7	111.8	106.6	105.3	105.3	105.3
42.5°	762.0	655.4	371.9	130.0	114.4	110.5	105.3	100.1	98.8	100.1	98.8
45°	794.5	665.8	331.6	120.9	109.2	105.3	98.8	94.9	93.6	94.9	94.9
47.5°	847.9	694.4	295.2	115.7	105.3	100.1	93.6	89.7	89.7	89.7	89.7
50°	936.3	749.0	260.1	111.8	102.7	96.2	89.7	84.5	83.2	83.2	84.5
52.5°	1068.9	842.7	231.5	109.2	98.8	91.0	84.5	80.6	78.0	76.7	78.0
55°	1228.9	979.2	222.4	106.6	93.6	87.1	80.6	75.4	72.8	72.8	71.5
57.5°	1400.5	1130.0	238.0	104.0	89.7	81.9	75.4	70.2	67.6	66.3	66.3
60°	1586.5	1308.2	295.2	102.7	85.8	76.7	70.2	66.3	62.4	61.1	61.1
62.5°	1755.5	1469.4	397.9	101.4	83.2	71.5	65.0	59.8	57.2	55.9	55.9
65°	1948.0	1648.9	498.1	106.6	81.9	67.6	59.8	54.6	52.0	50.7	50.7
67.5°	2115.7	1804.9	556.6	119.6	85.8	62.4	53.3	49.4	48.1	46.8	46.8
70°	2238.0	1853.1	373.2	131.3	92.3	58.5	48.1	45.5	42.9	42.9	42.9
72.5°	2074.1	1654.1	221.1	123.5	87.1	54.6	42.9	40.3	39.0	39.0	37.7
75°	1773.7	1408.3	170.4	100.1	70.2	46.8	37.7	35.1	33.8	33.8	32.5
77.5°	1309.5	1009.1	126.1	79.3	54.6	37.7	32.5	31.2	29.9	28.6	28.6
80°	512.4	442.1	85.8	58.5	40.3	29.9	27.3	26.0	24.7	23.4	23.4
82.5°	158.6	133.9	49.4	39.0	28.6	23.4	22.1	20.8	19.5	18.2	18.2
85°	68.9	66.3	32.5	24.7	19.5	15.6	15.6	14.3	13.0	11.7	11.7
87.5°	33.8	32.5	18.2	11.7	10.4	7.8	7.8	6.5	5.2	5.2	5.2
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)