

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: P675035

Luminaire Tested: **CCW-SA-1C-835-U-T3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675035  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1C-835-U-T3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/  
T3 distribution lens  
Light Source: (16) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

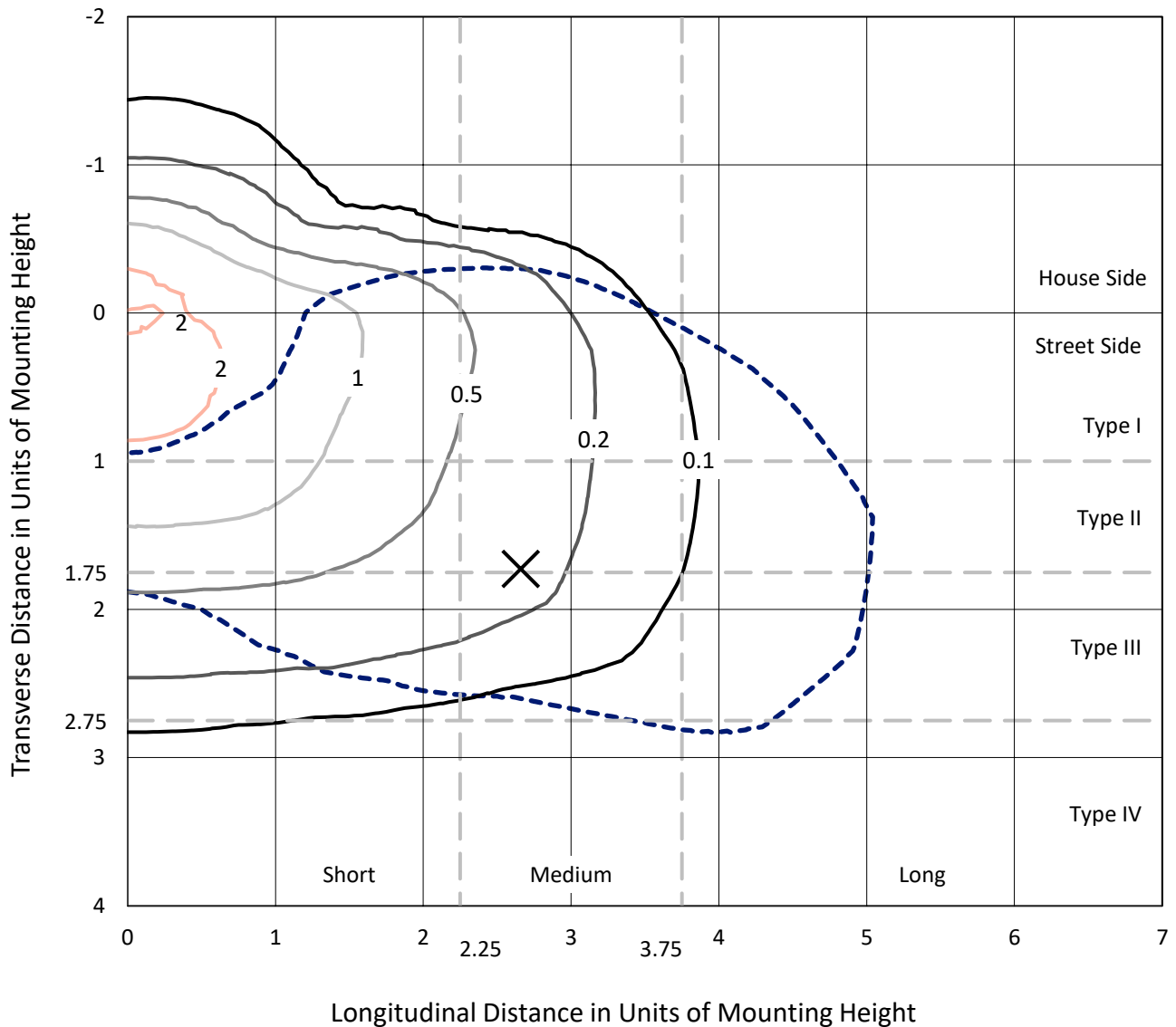
Lumens per Lamp: N/A  
Luminaire Lumens: 3764.2 lumens  
Efficiency: N/A  
Efficacy: 117.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 32  
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

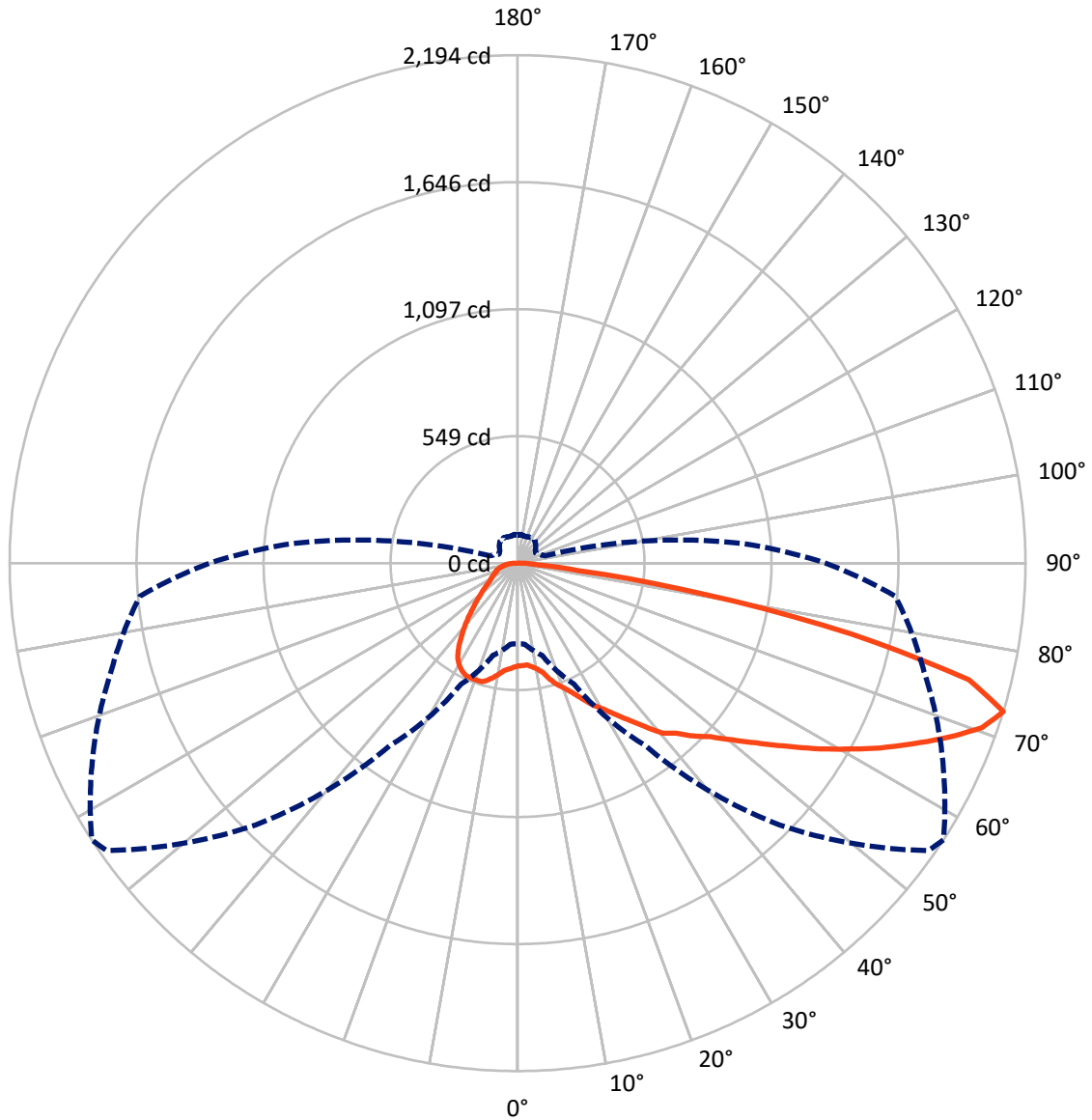
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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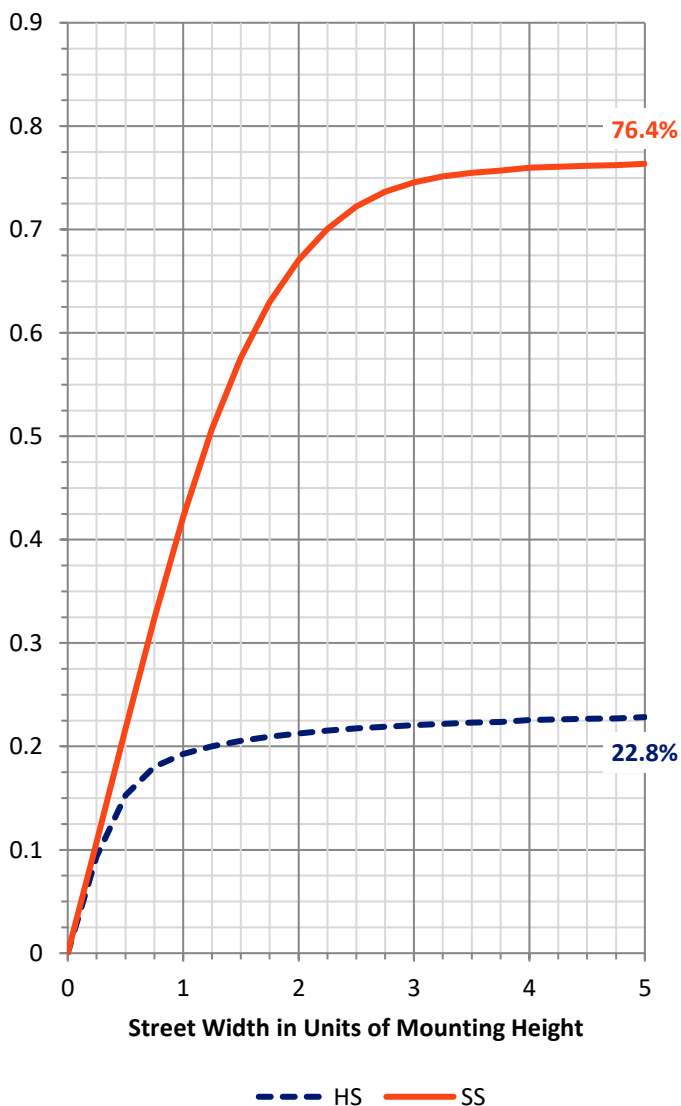
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	879.1	0.0	879.1
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	2885.1	0.0	2885.1
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	3764.2	0.0	3764.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.1	1.2
10°-20°	148.6	3.9
20°-30°	271.7	7.2
30°-40°	398.6	10.6
40°-50°	548.9	14.6
50°-60°	752.6	20.0
60°-70°	907.3	24.1
70°-80°	604.4	16.1
80°-90°	88.0	2.3
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°	3764.2	100.0
0°-180°	3764.2	100.0



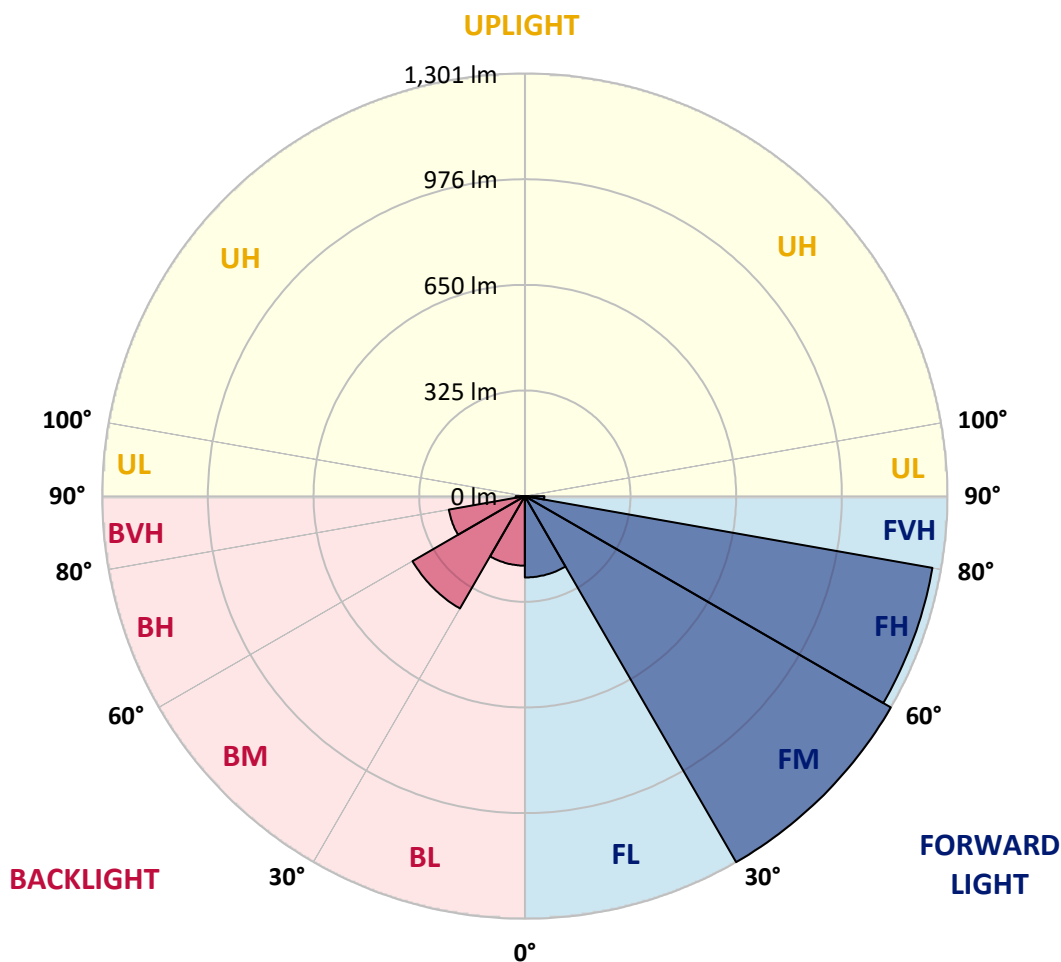
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	250.4	6.7			
FM (30°-60°)	1300.8	34.6			
FH (60°-80°)	1273.9	33.8			G1/1800
FVH (80°-90°)	59.9	1.6			G1/100
BL (0°-30°)	214.0	5.7	B1/500		
BM (30°-60°)	399.3	10.6	B1/1000		
BH (60°-80°)	237.7	6.3	B1/500		G1/500
BVH (80°-90°)	28.1	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3
2.5°	436.1	437.4	440.2	438.8	438.8	434.7	441.6	442.9	440.2	441.6	444.3
5°	436.1	438.8	442.9	440.2	441.6	440.2	437.4	441.6	441.6	442.9	447.0
7.5°	459.4	458.0	458.0	453.9	452.5	451.2	452.5	452.5	449.8	451.2	451.2
10°	485.4	485.4	482.7	482.7	480.0	473.1	466.2	464.9	460.8	462.1	462.1
12.5°	512.9	515.6	518.3	510.1	507.4	496.4	492.3	484.1	484.1	481.3	480.0
15°	547.1	543.0	545.8	543.0	536.2	525.2	518.3	519.7	510.1	507.4	503.3
17.5°	577.3	578.7	574.6	571.8	559.5	551.3	552.6	551.3	538.9	534.8	527.9
20°	613.0	611.6	611.6	603.4	592.4	581.4	577.3	575.9	578.7	570.5	554.0
22.5°	650.0	644.5	644.5	637.6	622.6	615.7	613.0	607.5	610.2	603.4	578.7
25°	680.2	680.2	689.8	676.0	667.8	654.1	648.6	650.0	651.4	637.6	608.9
27.5°	719.9	713.1	722.7	715.8	711.7	696.6	689.8	693.9	691.1	676.0	636.3
30°	770.7	772.0	766.5	756.9	751.5	740.5	736.4	732.3	736.4	717.2	666.4
32.5°	833.7	837.9	824.1	813.2	803.6	792.6	784.4	780.3	784.4	755.6	689.8
35°	906.4	910.5	899.6	887.2	876.3	848.8	842.0	835.1	820.0	773.4	711.7
37.5°	973.6	968.1	965.4	965.4	944.8	905.0	900.9	896.8	868.0	809.1	741.9
40°	1018.9	1025.7	1023.0	1020.2	1017.5	980.5	972.2	965.4	917.4	862.5	784.4
42.5°	1069.6	1065.5	1076.5	1080.6	1071.0	1060.0	1027.1	1003.8	961.3	917.4	847.5
45°	1129.9	1127.2	1131.3	1146.4	1132.7	1136.8	1081.9	1065.5	1012.0	986.0	927.0
47.5°	1183.4	1190.3	1210.8	1215.0	1204.0	1223.2	1146.4	1120.3	1086.1	1065.5	1009.3
50°	1206.7	1215.0	1261.6	1290.4	1291.8	1321.9	1210.8	1199.9	1153.3	1161.5	1112.1
52.5°	1187.5	1213.6	1269.8	1345.2	1391.9	1422.0	1295.9	1290.4	1247.9	1273.9	1224.6
55°	1205.4	1230.0	1267.1	1372.7	1490.6	1497.4	1413.8	1393.2	1350.7	1386.4	1341.1
57.5°	1213.6	1199.9	1269.8	1402.8	1563.3	1581.1	1526.2	1511.2	1478.2	1512.5	1486.5
60°	1149.1	1165.6	1231.4	1394.6	1567.4	1670.2	1652.4	1630.5	1600.3	1631.8	1616.7
62.5°	1076.5	1087.4	1158.7	1345.2	1590.7	1734.7	1774.4	1758.0	1715.5	1742.9	1769.0
65°	984.6	986.0	1065.5	1257.5	1545.4	1771.7	1881.4	1880.0	1849.9	1843.0	1884.1
67.5°	872.1	883.1	946.2	1164.2	1483.7	1812.8	1987.0	2007.6	1947.2	1893.7	1908.8
70°	669.2	680.2	740.5	954.4	1357.6	1800.5	2117.3	2128.2	2010.3	1874.5	1836.2
72.5°	348.3	351.0	412.8	575.9	962.6	1598.9	2165.3	2194.1	2026.8	1818.3	1637.3
75°	115.2	115.2	141.2	219.4	453.9	1023.0	1960.9	2013.0	1945.9	1678.5	1339.7
77.5°	68.6	69.9	83.6	109.7	181.0	408.6	1382.3	1474.1	1592.1	1427.5	979.1
80°	49.4	50.7	63.1	75.4	108.3	131.6	693.9	821.4	977.7	918.8	522.5
82.5°	37.0	37.0	49.4	56.2	74.0	78.2	193.4	264.7	422.4	329.1	144.0
85°	38.4	38.4	38.4	39.8	50.7	45.3	80.9	86.4	123.4	108.3	39.8
87.5°	13.7	15.1	38.4	26.1	26.1	19.2	31.5	34.3	43.9	45.3	15.1
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°	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3
2.5°	445.7	445.7	447.0	447.0	449.8	452.5	456.6	453.9	453.9	455.3	453.9
5°	444.3	445.7	449.8	456.6	459.4	460.8	469.0	469.0	469.0	471.7	471.7
7.5°	449.8	452.5	459.4	466.2	467.6	471.7	482.7	485.4	492.3	495.0	496.4
10°	463.5	467.6	473.1	481.3	486.8	492.3	500.5	510.1	508.7	517.0	518.3
12.5°	484.1	482.7	492.3	500.5	506.0	514.2	517.0	517.0	517.0	517.0	519.7
15°	500.5	503.3	511.5	517.0	523.8	522.5	517.0	511.5	512.9	511.5	511.5
17.5°	525.2	525.2	532.1	533.4	536.2	522.5	514.2	514.2	518.3	518.3	515.6
20°	549.9	548.5	551.3	549.9	532.1	515.6	514.2	515.6	517.0	515.6	514.2
22.5°	573.2	570.5	566.3	560.9	529.3	514.2	511.5	504.6	497.8	497.8	493.7
25°	593.8	591.0	580.1	563.6	527.9	506.0	492.3	475.8	467.6	463.5	469.0
27.5°	613.0	607.5	592.4	563.6	515.6	484.1	458.0	437.4	430.6	425.1	430.6
30°	639.0	629.4	608.9	559.5	496.4	449.8	414.1	389.4	382.6	374.4	377.1
32.5°	662.3	640.4	622.6	547.1	471.7	411.4	370.2	345.6	333.2	326.4	331.9
35°	687.0	665.1	628.0	527.9	433.3	364.8	323.6	300.3	290.7	281.1	281.1
37.5°	711.7	699.4	636.3	492.3	386.7	320.9	283.9	266.0	249.6	231.7	231.7
40°	763.8	747.4	645.9	451.2	340.1	278.4	252.3	229.0	212.5	187.9	186.5
42.5°	818.7	783.0	645.9	401.8	298.9	248.2	223.5	198.8	168.7	153.6	155.0
45°	888.6	847.5	628.0	357.9	257.8	223.5	196.1	164.6	150.8	141.2	141.2
47.5°	976.4	911.9	606.1	309.9	224.9	201.6	167.3	148.1	138.5	130.3	128.9
50°	1080.6	970.9	578.7	268.8	197.5	181.0	152.2	137.1	128.9	123.4	123.4
52.5°	1190.3	1057.3	559.5	231.7	175.5	153.6	141.2	131.6	124.8	120.7	119.3
55°	1301.4	1143.7	545.8	192.0	155.0	141.2	138.5	130.3	127.5	123.4	120.7
57.5°	1426.1	1215.0	543.0	164.6	138.5	135.8	141.2	134.4	130.3	126.2	122.0
60°	1560.5	1310.9	518.3	142.6	130.3	133.0	137.1	130.3	127.5	123.4	120.7
62.5°	1693.5	1382.3	451.2	126.2	122.0	124.8	130.3	124.8	120.7	122.0	123.4
65°	1748.4	1387.7	349.7	113.8	112.4	113.8	122.0	120.7	116.6	124.8	124.8
67.5°	1693.5	1338.4	246.8	102.8	102.8	109.7	123.4	126.2	122.0	133.0	131.6
70°	1568.8	1216.3	167.3	96.0	98.7	116.6	127.5	124.8	119.3	133.0	130.3
72.5°	1331.5	973.6	122.0	89.1	93.2	111.1	126.2	123.4	119.3	124.8	119.3
75°	999.7	692.5	96.0	80.9	82.3	100.1	130.3	123.4	112.4	109.7	105.6
77.5°	667.8	427.8	74.0	71.3	71.3	87.8	124.8	115.2	101.5	97.4	96.0
80°	318.1	171.4	59.0	60.3	61.7	75.4	113.8	102.8	91.9	86.4	86.4
82.5°	101.5	64.5	49.4	49.4	49.4	61.7	94.6	86.4	79.5	75.4	68.6
85°	35.7	35.7	42.5	43.9	39.8	45.3	78.2	74.0	65.8	54.9	53.5
87.5°	13.7	20.6	28.8	34.3	24.7	31.5	56.2	52.1	48.0	35.7	34.3
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)