

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: P674968

Luminaire Tested: **CCW-SA-1B-735-U-T3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674968  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1B-735-U-T3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/  
T3 distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

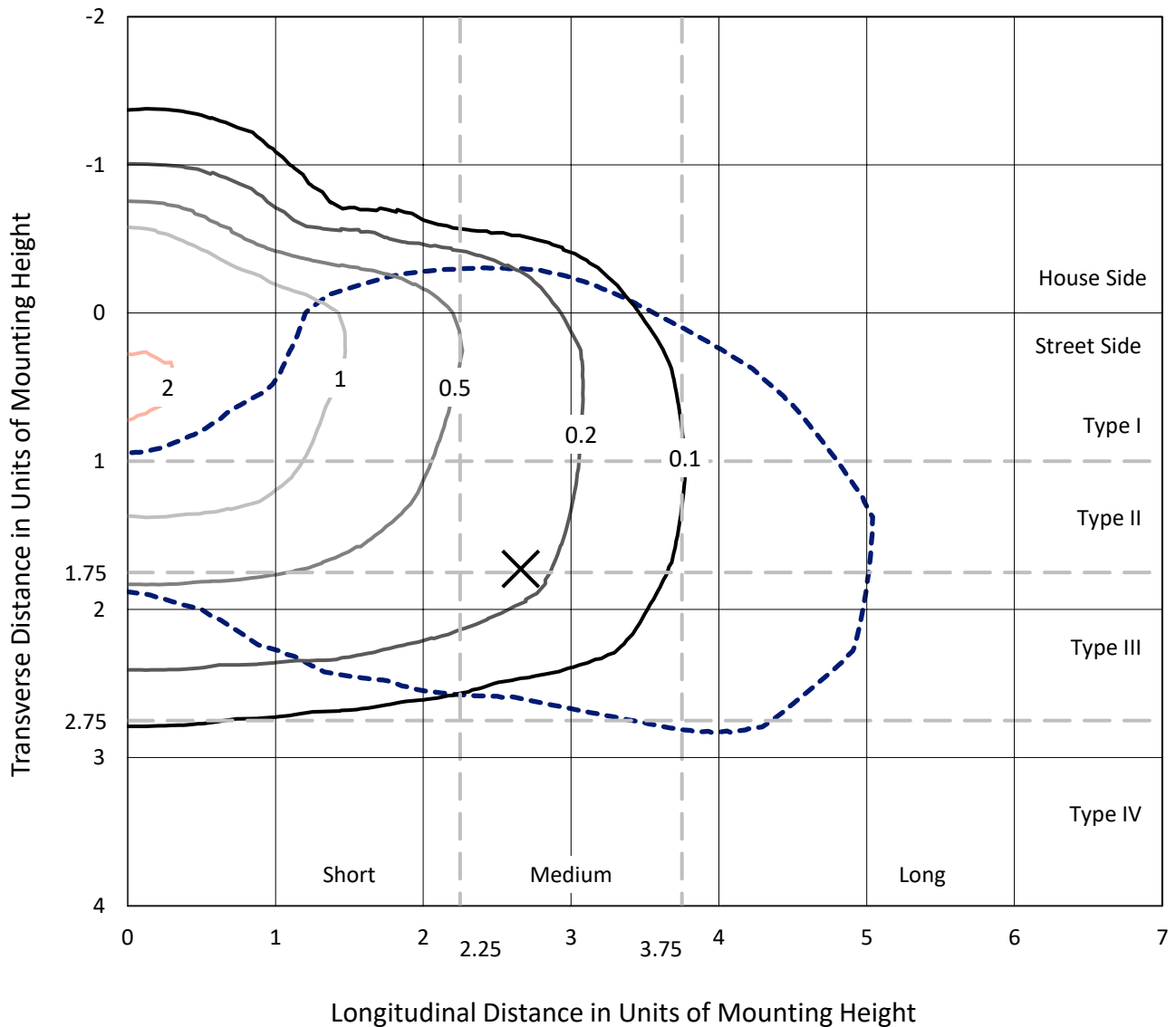
Lumens per Lamp: N/A  
Luminaire Lumens: 3441.7 lumens  
Efficiency: N/A  
Efficacy: 143.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 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

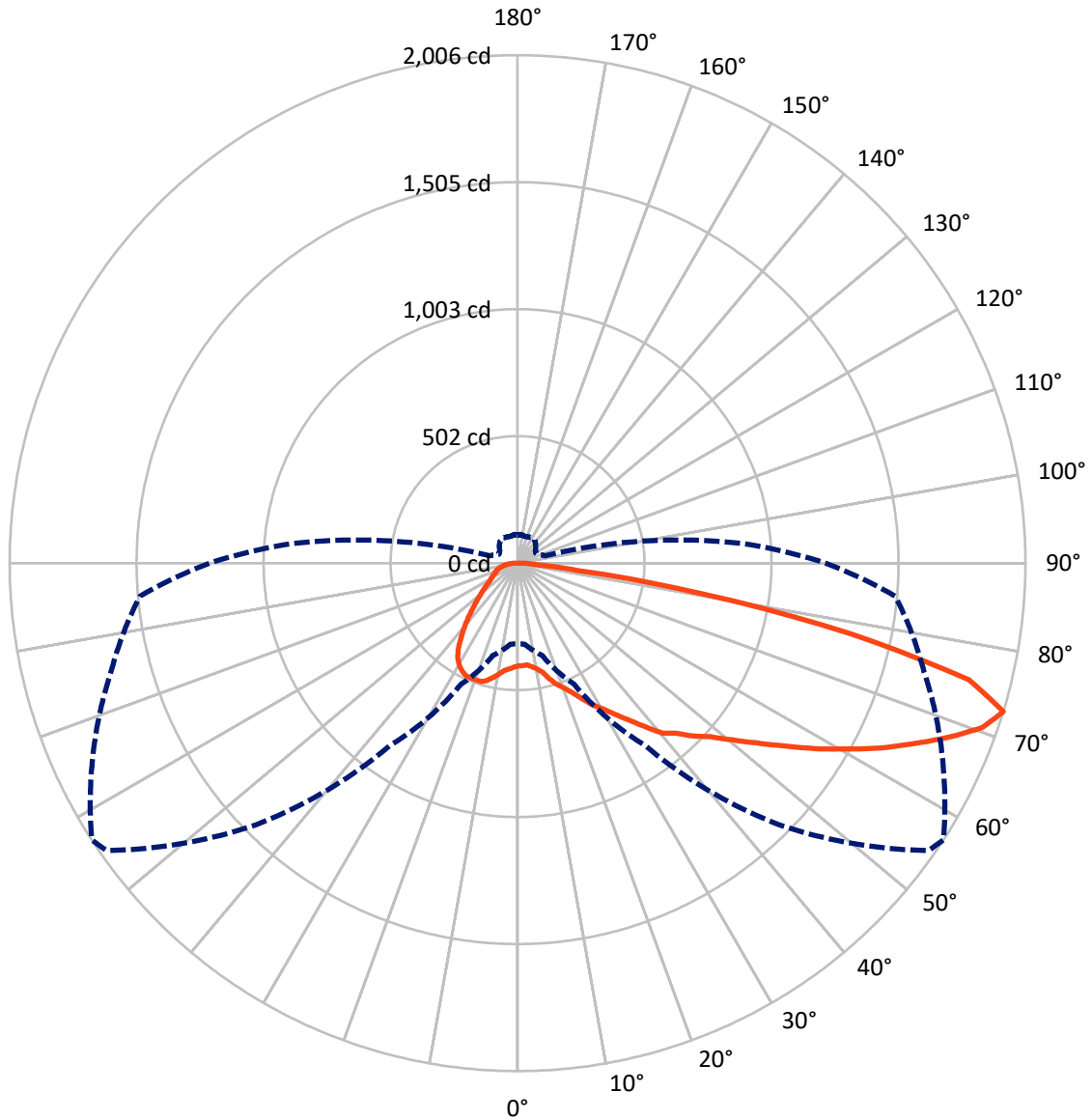
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.1 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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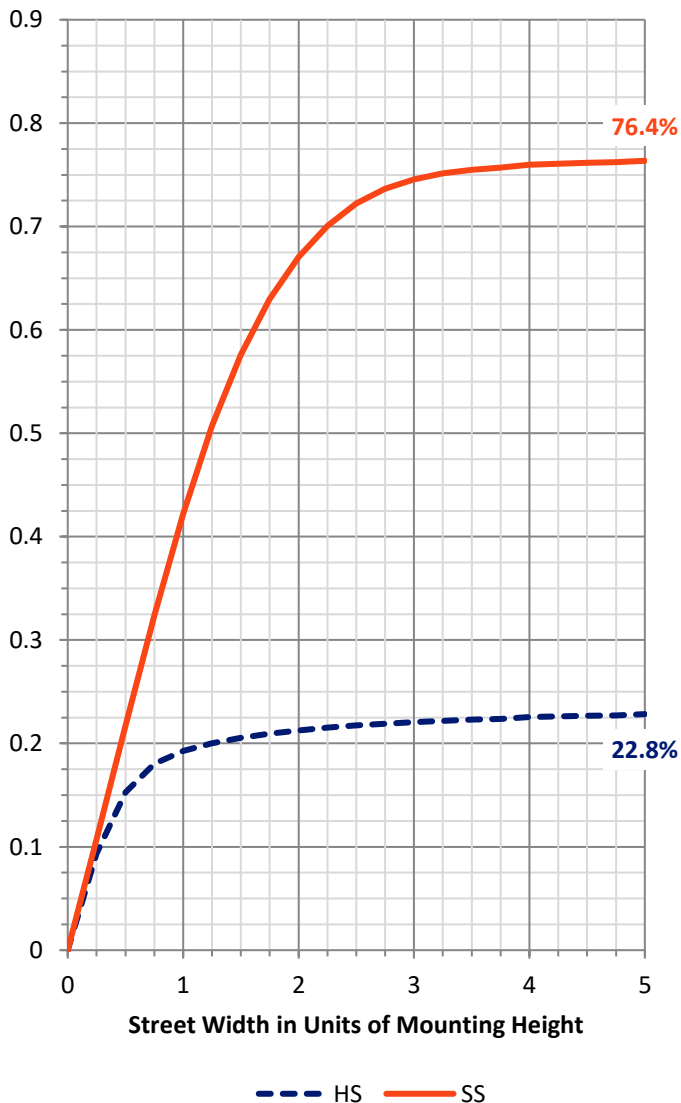
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	803.7	0.0	803.7
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	2637.9	0.0	2637.9
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	3441.7	0.0	3441.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.3	1.2
10°-20°	135.9	3.9
20°-30°	248.4	7.2
30°-40°	364.5	10.6
40°-50°	501.8	14.6
50°-60°	688.1	20.0
60°-70°	829.5	24.1
70°-80°	552.6	16.1
80°-90°	80.5	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°	3441.7	100.0
0°-180°	3441.7	100.0



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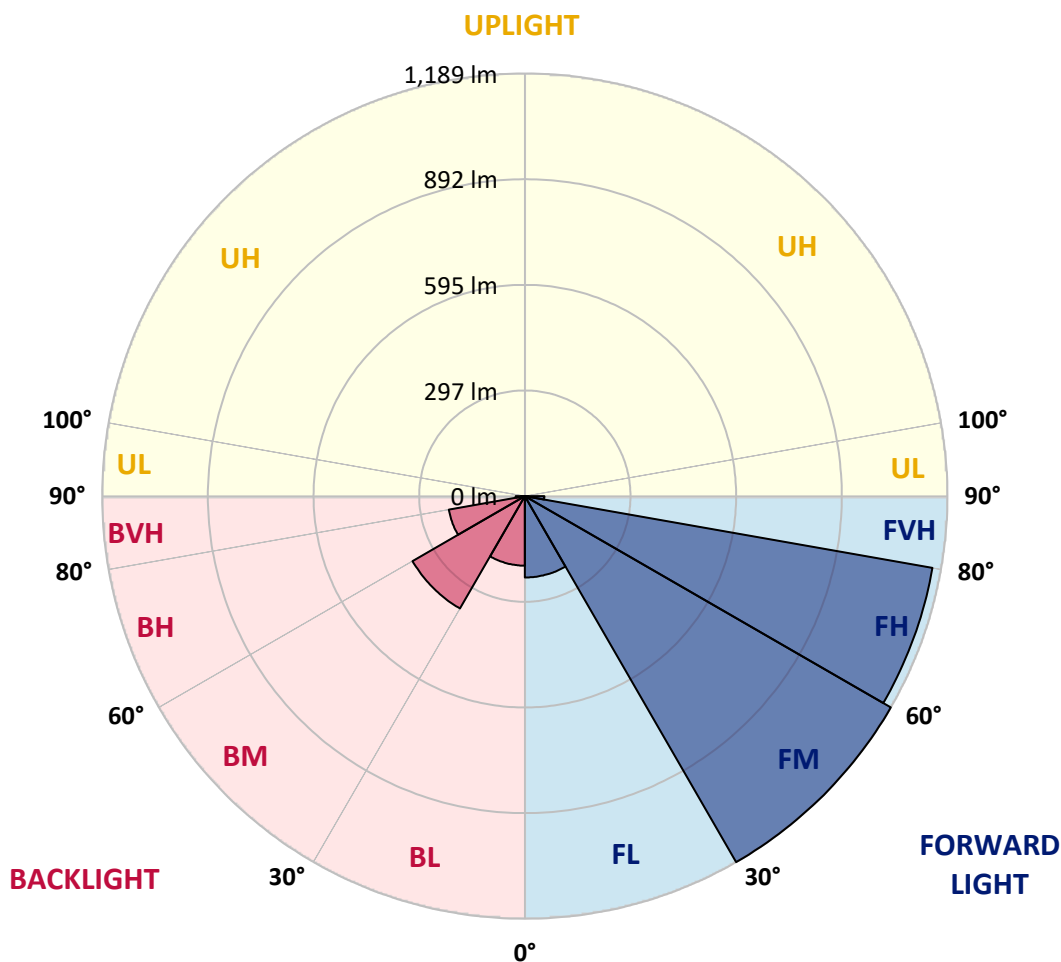
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.0	6.7			
FM (30°-60°)	1189.4	34.6			
FH (60°-80°)	1164.8	33.8			G1/1800
FVH (80°-90°)	54.8	1.6			G1/100
BL (0°-30°)	195.7	5.7	B1/500		
BM (30°-60°)	365.1	10.6	B1/1000		
BH (60°-80°)	217.3	6.3	B1/500		G1/500
BVH (80°-90°)	25.7	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°	406.2	406.2	406.2	406.2	406.2	406.2	406.2	406.2	406.2	406.2	406.2
2.5°	398.7	400.0	402.5	401.2	401.2	397.4	403.7	405.0	402.5	403.7	406.2
5°	398.7	401.2	405.0	402.5	403.7	402.5	400.0	403.7	403.7	405.0	408.7
7.5°	420.0	418.8	418.8	415.0	413.7	412.5	413.7	413.7	411.2	412.5	412.5
10°	443.8	443.8	441.3	441.3	438.8	432.6	426.3	425.0	421.3	422.5	422.5
12.5°	468.9	471.4	473.9	466.4	463.9	453.9	450.1	442.6	442.6	440.1	438.8
15°	500.3	496.5	499.0	496.5	490.2	480.2	473.9	475.2	466.4	463.9	460.1
17.5°	527.8	529.1	525.3	522.8	511.5	504.0	505.3	504.0	492.7	489.0	482.7
20°	560.4	559.2	559.2	551.7	541.6	531.6	527.8	526.6	529.1	521.6	506.5
22.5°	594.3	589.3	589.3	583.0	569.2	562.9	560.4	555.4	557.9	551.7	529.1
25°	621.9	621.9	630.7	618.1	610.6	598.1	593.0	594.3	595.5	583.0	556.7
27.5°	658.2	652.0	660.7	654.5	650.7	636.9	630.7	634.4	631.9	618.1	581.8
30°	704.6	705.9	700.9	692.1	687.1	677.0	673.3	669.5	673.3	655.7	609.3
32.5°	762.3	766.1	753.5	743.5	734.7	724.7	717.2	713.4	717.2	690.8	630.7
35°	828.8	832.5	822.5	811.2	801.2	776.1	769.8	763.6	749.8	707.1	650.7
37.5°	890.2	885.2	882.7	882.7	863.9	827.5	823.7	820.0	793.6	739.7	678.3
40°	931.6	937.8	935.3	932.8	930.3	896.5	888.9	882.7	838.8	788.6	717.2
42.5°	978.0	974.2	984.2	988.0	979.2	969.2	939.1	917.8	878.9	838.8	774.8
45°	1033.1	1030.6	1034.4	1048.2	1035.6	1039.4	989.2	974.2	925.3	901.5	847.6
47.5°	1082.0	1088.3	1107.1	1110.9	1100.8	1118.4	1048.2	1024.3	993.0	974.2	922.8
50°	1103.3	1110.9	1153.5	1179.8	1181.1	1208.6	1107.1	1097.1	1054.4	1062.0	1016.8
52.5°	1085.8	1109.6	1161.0	1230.0	1272.6	1300.2	1184.8	1179.8	1140.9	1164.8	1119.6
55°	1102.1	1124.6	1158.5	1255.0	1362.9	1369.1	1292.7	1273.8	1235.0	1267.6	1226.2
57.5°	1109.6	1097.1	1161.0	1282.6	1429.3	1445.6	1395.5	1381.7	1351.6	1382.9	1359.1
60°	1050.7	1065.7	1125.9	1275.1	1433.1	1527.1	1510.8	1490.7	1463.2	1492.0	1478.2
62.5°	984.2	994.3	1059.4	1230.0	1454.4	1586.0	1622.4	1607.4	1568.5	1593.6	1617.4
65°	900.2	901.5	974.2	1149.7	1413.0	1619.9	1720.2	1718.9	1691.4	1685.1	1722.7
67.5°	797.4	807.4	865.1	1064.5	1356.6	1657.5	1816.7	1835.5	1780.4	1731.5	1745.3
70°	611.8	621.9	677.0	872.6	1241.2	1646.2	1935.8	1945.9	1838.0	1713.9	1678.8
72.5°	318.5	321.0	377.4	526.6	880.2	1461.9	1979.7	2006.1	1853.1	1662.5	1497.0
75°	105.3	105.3	129.1	200.6	415.0	935.3	1792.9	1840.6	1779.1	1534.6	1224.9
77.5°	62.7	63.9	76.5	100.3	165.5	373.6	1263.8	1347.8	1455.6	1305.2	895.2
80°	45.1	46.4	57.7	69.0	99.0	120.4	634.4	751.0	893.9	840.0	477.7
82.5°	33.9	33.9	45.1	51.4	67.7	71.5	176.8	242.0	386.2	300.9	131.6
85°	35.1	35.1	35.1	36.4	46.4	41.4	74.0	79.0	112.8	99.0	36.4
87.5°	12.5	13.8	35.1	23.8	23.8	17.6	28.8	31.3	40.1	41.4	13.8
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°	406.2	406.2	406.2	406.2	406.2	406.2	406.2	406.2	406.2	406.2	406.2
2.5°	407.5	407.5	408.7	408.7	411.2	413.7	417.5	415.0	415.0	416.3	415.0
5°	406.2	407.5	411.2	417.5	420.0	421.3	428.8	428.8	428.8	431.3	431.3
7.5°	411.2	413.7	420.0	426.3	427.5	431.3	441.3	443.8	450.1	452.6	453.9
10°	423.8	427.5	432.6	440.1	445.1	450.1	457.6	466.4	465.2	472.7	473.9
12.5°	442.6	441.3	450.1	457.6	462.6	470.2	472.7	472.7	472.7	472.7	475.2
15°	457.6	460.1	467.7	472.7	478.9	477.7	472.7	467.7	468.9	467.7	467.7
17.5°	480.2	480.2	486.5	487.7	490.2	477.7	470.2	470.2	473.9	473.9	471.4
20°	502.8	501.5	504.0	502.8	486.5	471.4	470.2	471.4	472.7	471.4	470.2
22.5°	524.1	521.6	517.8	512.8	484.0	470.2	467.7	461.4	455.1	455.1	451.4
25°	542.9	540.4	530.4	515.3	482.7	462.6	450.1	435.1	427.5	423.8	428.8
27.5°	560.4	555.4	541.6	515.3	471.4	442.6	418.8	400.0	393.7	388.7	393.7
30°	584.3	575.5	556.7	511.5	453.9	411.2	378.6	356.1	349.8	342.3	344.8
32.5°	605.6	585.5	569.2	500.3	431.3	376.1	338.5	316.0	304.7	298.4	303.4
35°	628.1	608.1	574.2	482.7	396.2	333.5	295.9	274.6	265.8	257.0	257.0
37.5°	650.7	639.4	581.8	450.1	353.6	293.4	259.5	243.2	228.2	211.9	211.9
40°	698.4	683.3	590.5	412.5	310.9	254.5	230.7	209.4	194.3	171.8	170.5
42.5°	748.5	715.9	590.5	367.4	273.3	226.9	204.4	181.8	154.2	140.4	141.7
45°	812.5	774.8	574.2	327.2	235.7	204.4	179.3	150.5	137.9	129.1	129.1
47.5°	892.7	833.8	554.2	283.4	205.6	184.3	153.0	135.4	126.6	119.1	117.9
50°	988.0	887.7	529.1	245.7	180.5	165.5	139.2	125.4	117.9	112.8	112.8
52.5°	1088.3	966.7	511.5	211.9	160.5	140.4	129.1	120.4	114.1	110.3	109.1
55°	1189.8	1045.7	499.0	175.5	141.7	129.1	126.6	119.1	116.6	112.8	110.3
57.5°	1303.9	1110.9	496.5	150.5	126.6	124.1	129.1	122.9	119.1	115.3	111.6
60°	1426.8	1198.6	473.9	130.4	119.1	121.6	125.4	119.1	116.6	112.8	110.3
62.5°	1548.4	1263.8	412.5	115.3	111.6	114.1	119.1	114.1	110.3	111.6	112.8
65°	1598.6	1268.8	319.7	104.1	102.8	104.1	111.6	110.3	106.6	114.1	114.1
67.5°	1548.4	1223.7	225.7	94.0	94.0	100.3	112.8	115.3	111.6	121.6	120.4
70°	1434.3	1112.1	153.0	87.8	90.3	106.6	116.6	114.1	109.1	121.6	119.1
72.5°	1217.4	890.2	111.6	81.5	85.3	101.6	115.3	112.8	109.1	114.1	109.1
75°	914.0	633.2	87.8	74.0	75.2	91.5	119.1	112.8	102.8	100.3	96.5
77.5°	610.6	391.2	67.7	65.2	65.2	80.2	114.1	105.3	92.8	89.0	87.8
80°	290.9	156.7	53.9	55.2	56.4	69.0	104.1	94.0	84.0	79.0	79.0
82.5°	92.8	58.9	45.1	45.1	45.1	56.4	86.5	79.0	72.7	69.0	62.7
85°	32.6	32.6	38.9	40.1	36.4	41.4	71.5	67.7	60.2	50.2	48.9
87.5°	12.5	18.8	26.3	31.3	22.6	28.8	51.4	47.6	43.9	32.6	31.3
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)