

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: P674979

Luminaire Tested: **CCW-SA-1B-740-U-T3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674979  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1B-740-U-T3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/  
T3 distribution lens  
Light Source: (16) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

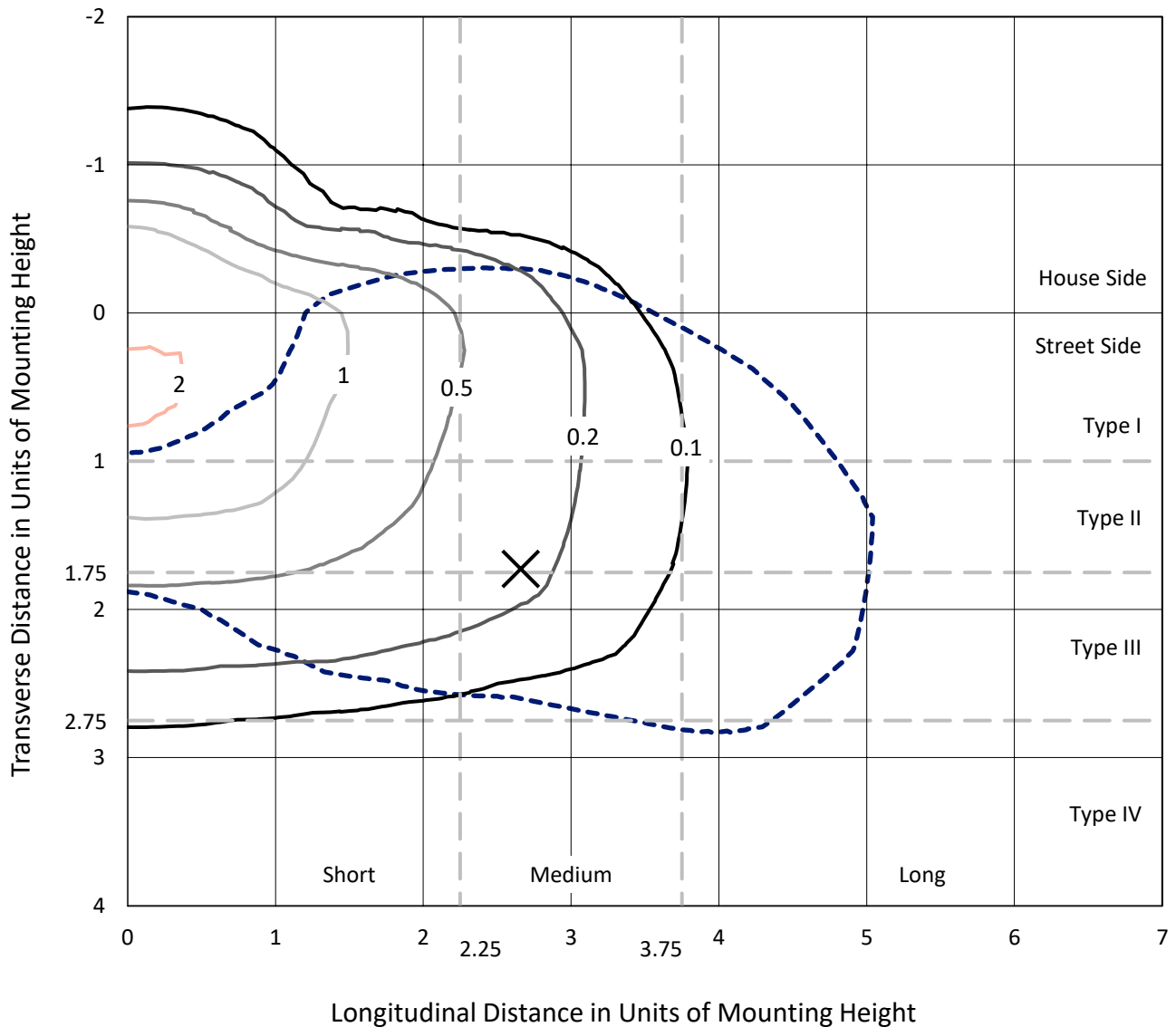
Lumens per Lamp: N/A  
Luminaire Lumens: 3489.5 lumens  
Efficiency: N/A  
Efficacy: 145.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

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

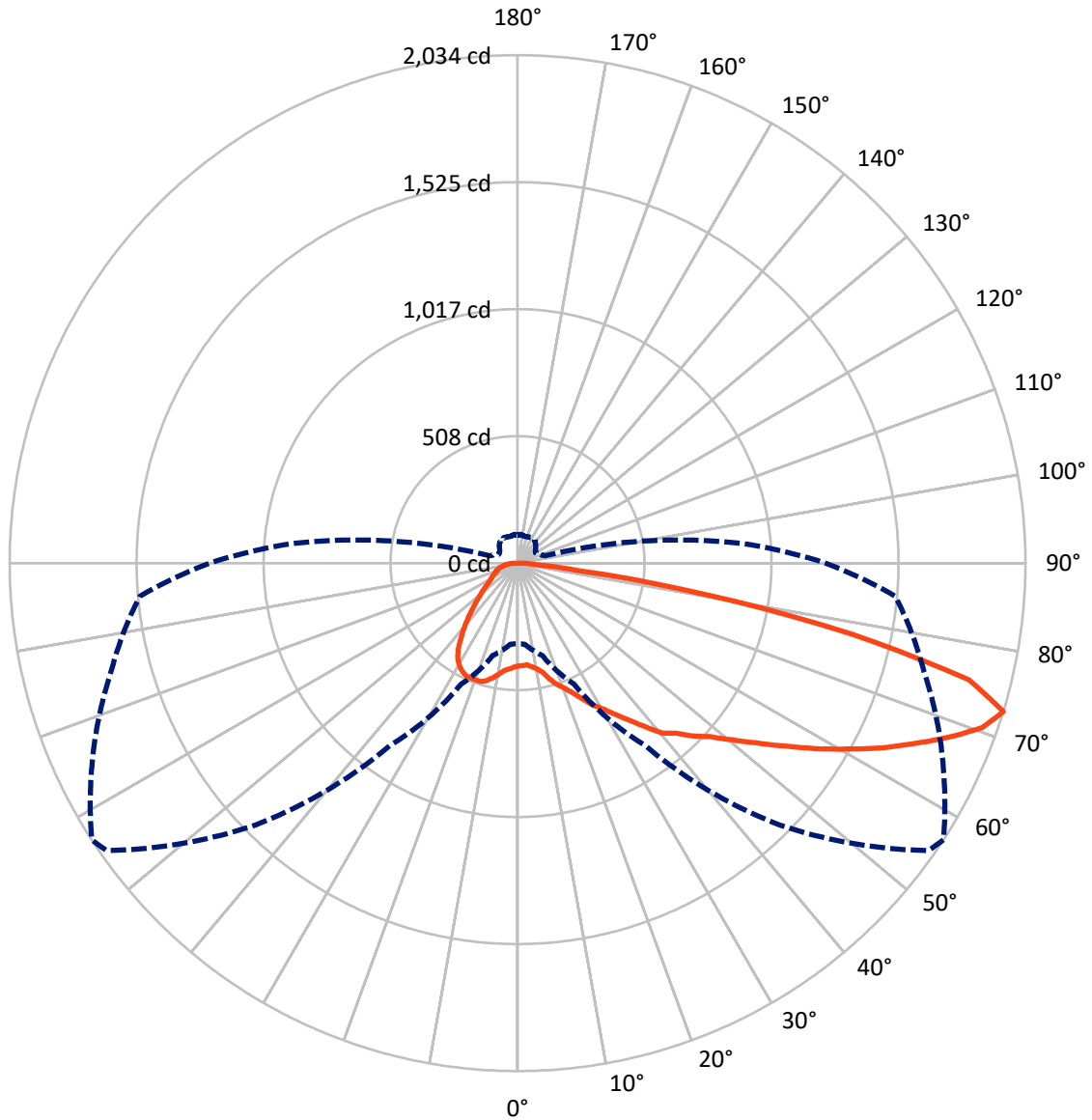
× Max cd  
 - - - 1/2 Max cd



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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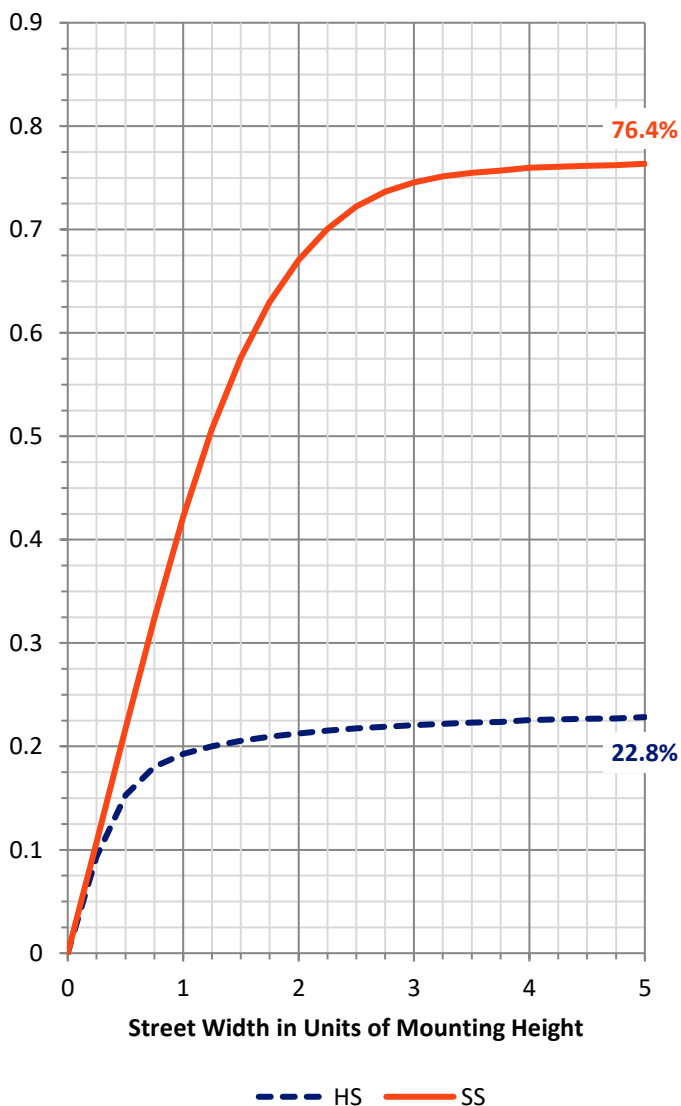
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	814.9	0.0	814.9
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	2674.5	0.0	2674.5
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	3489.5	0.0	3489.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.9	1.2
10°-20°	137.8	3.9
20°-30°	251.9	7.2
30°-40°	369.5	10.6
40°-50°	508.8	14.6
50°-60°	697.7	20.0
60°-70°	841.0	24.1
70°-80°	560.3	16.1
80°-90°	81.6	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°	3489.5	100.0
0°-180°	3489.5	100.0



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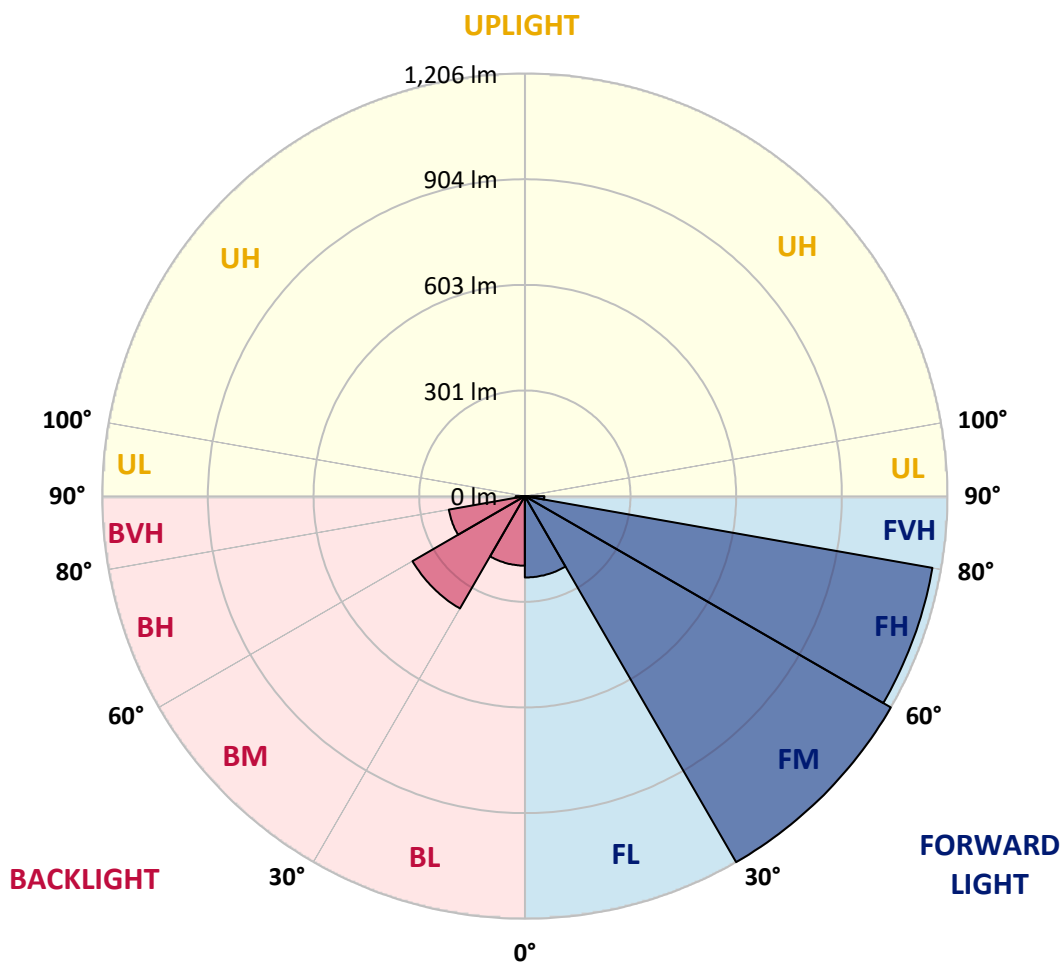
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	232.1	6.7			
FM (30°-60°)	1205.9	34.6			
FH (60°-80°)	1181.0	33.8			G1/1800
FVH (80°-90°)	55.6	1.6			G1/100
BL (0°-30°)	198.4	5.7	B1/500		
BM (30°-60°)	370.1	10.6	B1/1000		
BH (60°-80°)	220.3	6.3	B1/500		G1/500
BVH (80°-90°)	26.0	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°	411.9	411.9	411.9	411.9	411.9	411.9	411.9	411.9	411.9	411.9	411.9
2.5°	404.2	405.5	408.1	406.8	406.8	403.0	409.3	410.6	408.1	409.3	411.9
5°	404.2	406.8	410.6	408.1	409.3	408.1	405.5	409.3	409.3	410.6	414.4
7.5°	425.9	424.6	424.6	420.8	419.5	418.2	419.5	419.5	417.0	418.2	418.2
10°	450.0	450.0	447.5	447.5	444.9	438.6	432.2	430.9	427.1	428.4	428.4
12.5°	475.4	478.0	480.5	472.9	470.3	460.2	456.4	448.7	448.7	446.2	444.9
15°	507.2	503.4	505.9	503.4	497.0	486.9	480.5	481.8	472.9	470.3	466.5
17.5°	535.2	536.4	532.6	530.1	518.6	511.0	512.3	511.0	499.6	495.8	489.4
20°	568.2	567.0	567.0	559.3	549.2	539.0	535.2	533.9	536.4	528.8	513.6
22.5°	602.5	597.5	597.5	591.1	577.1	570.8	568.2	563.1	565.7	559.3	536.4
25°	630.5	630.5	639.4	626.7	619.1	606.4	601.3	602.5	603.8	591.1	564.4
27.5°	667.4	661.0	669.9	663.6	659.8	645.8	639.4	643.2	640.7	626.7	589.8
30°	714.4	715.7	710.6	701.7	696.6	686.4	682.6	678.8	682.6	664.8	617.8
32.5°	772.9	776.7	764.0	753.8	744.9	734.8	727.1	723.3	727.1	700.4	639.4
35°	840.3	844.1	833.9	822.5	812.3	786.9	780.5	774.2	760.2	717.0	659.8
37.5°	902.6	897.5	894.9	894.9	875.9	839.0	835.2	831.4	804.7	750.0	687.7
40°	944.5	950.9	948.3	945.8	943.2	908.9	901.3	894.9	850.4	799.6	727.1
42.5°	991.5	987.7	997.9	1001.7	992.8	982.6	952.1	930.5	891.1	850.4	785.6
45°	1047.5	1044.9	1048.7	1062.7	1050.0	1053.8	1003.0	987.7	938.1	914.0	859.3
47.5°	1097.0	1103.4	1122.5	1126.3	1116.1	1133.9	1062.7	1038.6	1006.8	987.7	935.6
50°	1118.7	1126.3	1169.5	1196.2	1197.5	1225.4	1122.5	1112.3	1069.1	1076.7	1030.9
52.5°	1100.9	1125.0	1177.1	1247.0	1290.3	1318.2	1201.3	1196.2	1156.8	1180.9	1135.2
55°	1117.4	1140.3	1174.6	1272.5	1381.8	1388.1	1310.6	1291.5	1252.1	1285.2	1243.2
57.5°	1125.0	1112.3	1177.1	1300.4	1449.2	1465.7	1414.8	1400.9	1370.4	1402.1	1378.0
60°	1065.3	1080.5	1141.5	1292.8	1453.0	1548.3	1531.8	1511.5	1483.5	1512.7	1498.7
62.5°	997.9	1008.1	1074.2	1247.0	1474.6	1608.1	1644.9	1629.7	1590.3	1615.7	1639.8
65°	912.7	914.0	987.7	1165.7	1432.6	1642.4	1744.1	1742.8	1714.8	1708.5	1746.6
67.5°	808.5	818.7	877.1	1079.2	1375.4	1680.5	1842.0	1861.0	1805.1	1755.5	1769.5
70°	620.3	630.5	686.4	884.8	1258.5	1669.1	1962.7	1972.9	1863.6	1737.7	1702.1
72.5°	322.9	325.4	382.6	533.9	892.4	1482.2	2007.2	2033.9	1878.8	1685.6	1517.8
75°	106.8	106.8	130.9	203.4	420.8	948.3	1817.8	1866.1	1803.8	1555.9	1242.0
77.5°	63.6	64.8	77.5	101.7	167.8	378.8	1281.4	1366.5	1475.9	1323.3	907.6
80°	45.8	47.0	58.5	69.9	100.4	122.0	643.2	761.4	906.4	851.7	484.3
82.5°	34.3	34.3	45.8	52.1	68.6	72.5	179.2	245.3	391.5	305.1	133.5
85°	35.6	35.6	35.6	36.9	47.0	41.9	75.0	80.1	114.4	100.4	36.9
87.5°	12.7	14.0	35.6	24.2	24.2	17.8	29.2	31.8	40.7	41.9	14.0
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°	411.9	411.9	411.9	411.9	411.9	411.9	411.9	411.9	411.9	411.9	411.9
2.5°	413.1	413.1	414.4	414.4	417.0	419.5	423.3	420.8	420.8	422.0	420.8
5°	411.9	413.1	417.0	423.3	425.9	427.1	434.7	434.7	434.7	437.3	437.3
7.5°	417.0	419.5	425.9	432.2	433.5	437.3	447.5	450.0	456.4	458.9	460.2
10°	429.7	433.5	438.6	446.2	451.3	456.4	464.0	472.9	471.6	479.2	480.5
12.5°	448.7	447.5	456.4	464.0	469.1	476.7	479.2	479.2	479.2	479.2	481.8
15°	464.0	466.5	474.2	479.2	485.6	484.3	479.2	474.2	475.4	474.2	474.2
17.5°	486.9	486.9	493.2	494.5	497.0	484.3	476.7	476.7	480.5	480.5	478.0
20°	509.8	508.5	511.0	509.8	493.2	478.0	476.7	478.0	479.2	478.0	476.7
22.5°	531.4	528.8	525.0	519.9	490.7	476.7	474.2	467.8	461.4	461.4	457.6
25°	550.4	547.9	537.7	522.5	489.4	469.1	456.4	441.1	433.5	429.7	434.7
27.5°	568.2	563.1	549.2	522.5	478.0	448.7	424.6	405.5	399.2	394.1	399.2
30°	592.4	583.5	564.4	518.6	460.2	417.0	383.9	361.0	354.7	347.0	349.6
32.5°	614.0	593.6	577.1	507.2	437.3	381.4	343.2	320.3	308.9	302.5	307.6
35°	636.9	616.5	582.2	489.4	401.7	338.1	300.0	278.4	269.5	260.6	260.6
37.5°	659.8	648.3	589.8	456.4	358.5	297.5	263.1	246.6	231.4	214.8	214.8
40°	708.1	692.8	598.7	418.2	315.3	258.1	233.9	212.3	197.0	174.2	172.9
42.5°	758.9	725.9	598.7	372.5	277.1	230.1	207.2	184.3	156.4	142.4	143.6
45°	823.7	785.6	582.2	331.8	239.0	207.2	181.8	152.5	139.8	130.9	130.9
47.5°	905.1	845.3	561.9	287.3	208.5	186.9	155.1	137.3	128.4	120.8	119.5
50°	1001.7	900.0	536.4	249.2	183.1	167.8	141.1	127.1	119.5	114.4	114.4
52.5°	1103.4	980.1	518.6	214.8	162.7	142.4	130.9	122.0	115.7	111.9	110.6
55°	1206.4	1060.2	505.9	178.0	143.6	130.9	128.4	120.8	118.2	114.4	111.9
57.5°	1322.0	1126.3	503.4	152.5	128.4	125.8	130.9	124.6	120.8	117.0	113.1
60°	1446.6	1215.3	480.5	132.2	120.8	123.3	127.1	120.8	118.2	114.4	111.9
62.5°	1569.9	1281.4	418.2	117.0	113.1	115.7	120.8	115.7	111.9	113.1	114.4
65°	1620.8	1286.5	324.2	105.5	104.2	105.5	113.1	111.9	108.1	115.7	115.7
67.5°	1569.9	1240.7	228.8	95.3	95.3	101.7	114.4	117.0	113.1	123.3	122.0
70°	1454.3	1127.6	155.1	89.0	91.5	108.1	118.2	115.7	110.6	123.3	120.8
72.5°	1234.3	902.6	113.1	82.6	86.4	103.0	117.0	114.4	110.6	115.7	110.6
75°	926.7	642.0	89.0	75.0	76.3	92.8	120.8	114.4	104.2	101.7	97.9
77.5°	619.1	396.6	68.6	66.1	66.1	81.4	115.7	106.8	94.1	90.3	89.0
80°	294.9	158.9	54.7	55.9	57.2	69.9	105.5	95.3	85.2	80.1	80.1
82.5°	94.1	59.7	45.8	45.8	45.8	57.2	87.7	80.1	73.7	69.9	63.6
85°	33.1	33.1	39.4	40.7	36.9	41.9	72.5	68.6	61.0	50.8	49.6
87.5°	12.7	19.1	26.7	31.8	22.9	29.2	52.1	48.3	44.5	33.1	31.8
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)