

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: P472214

Luminaire Tested: **CCP-VA-2-727-U-T2**

Issue Date: 01/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P472214  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 01/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-VA-2-727-U-T2  
Description: INVUE CLEARCURVE POLE MOUNT Wave Stream LUMINAIRE WITH T2 DISTRIBUTION LENS  
Light Source: 2700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

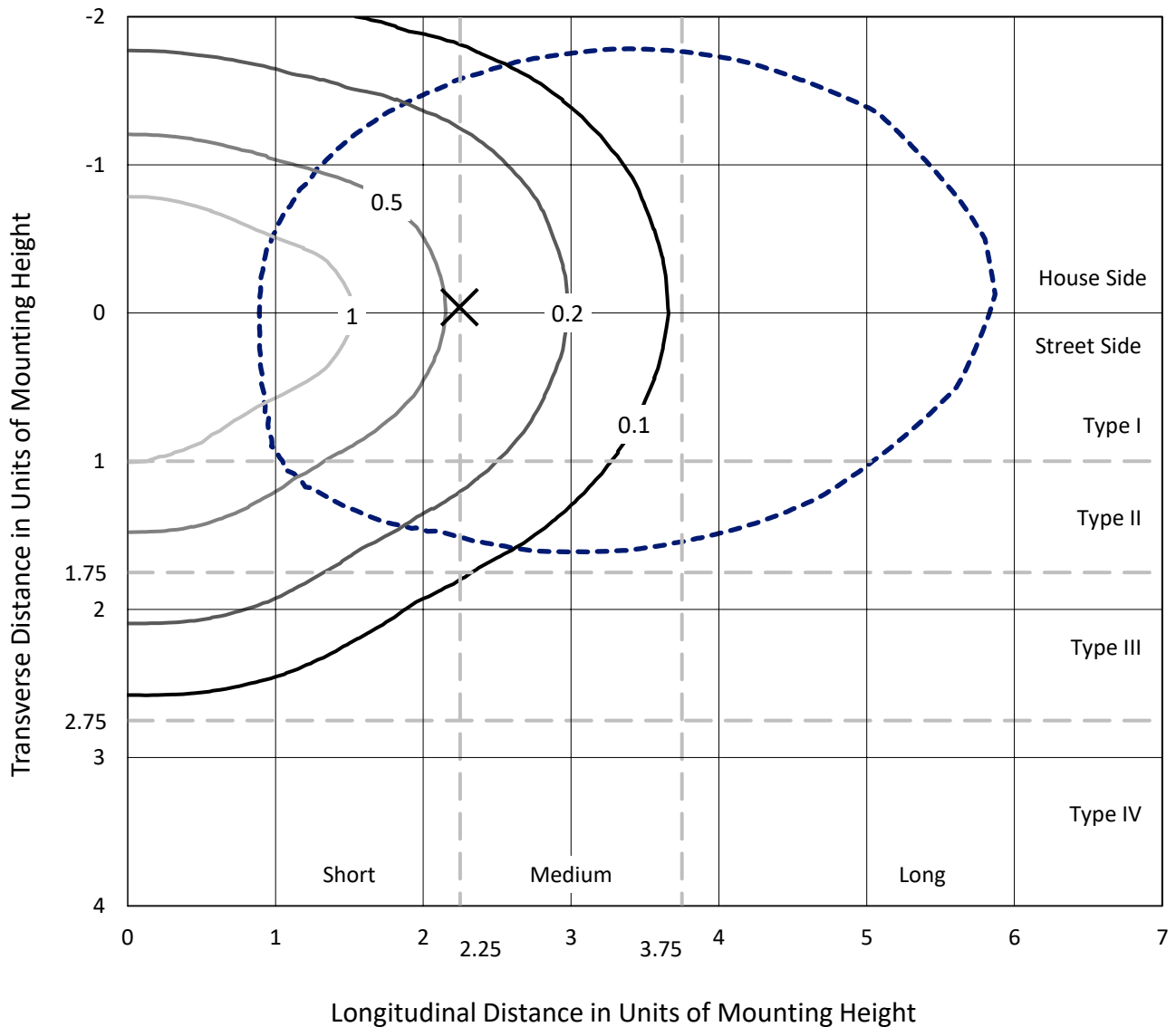
Lumens per Lamp: N/A  
Luminaire Lumens: 3418.7 lumens  
Efficiency: N/A  
Efficacy: 84.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.54' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

Input Watts (W): 40.5  
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

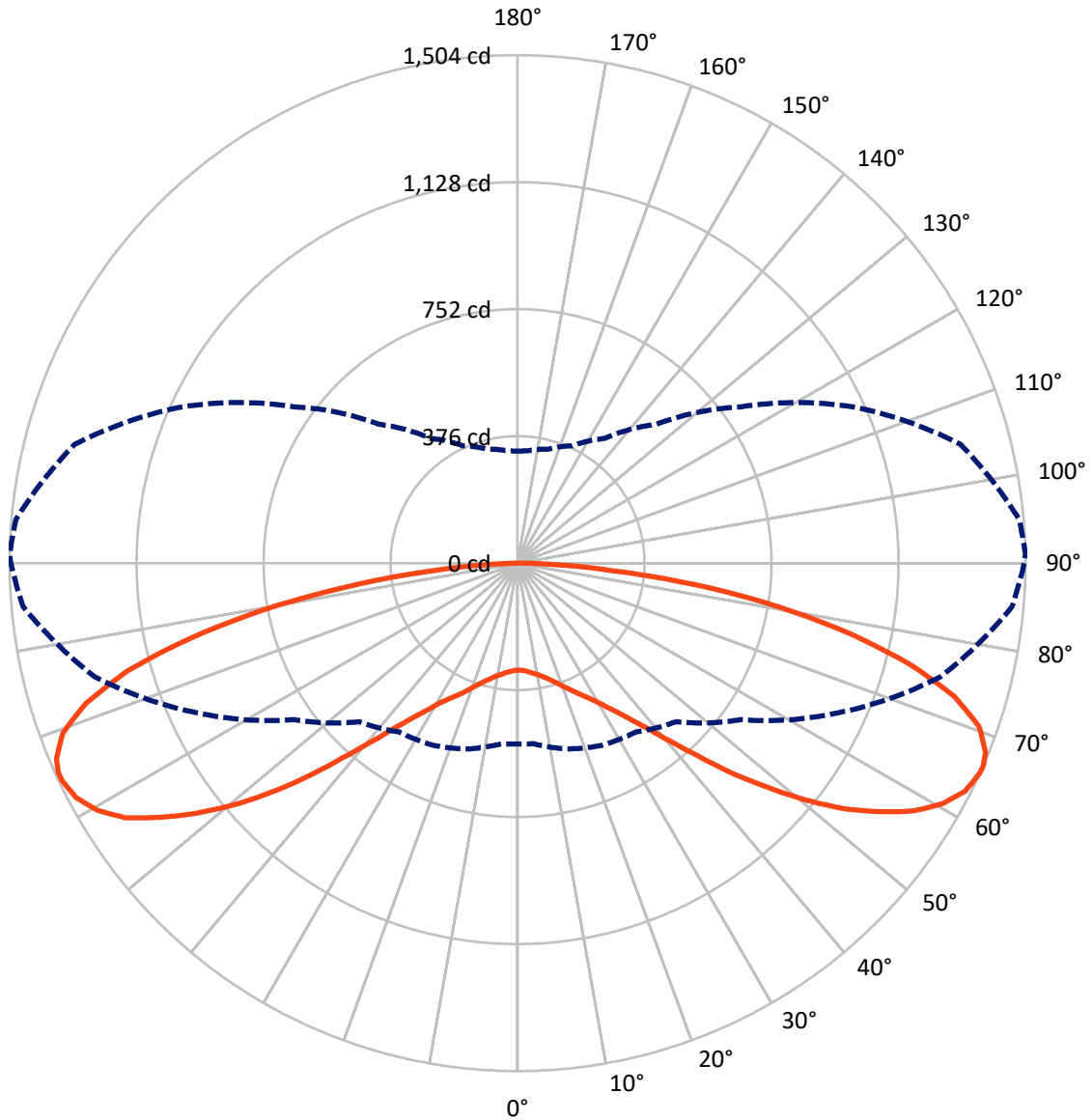
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 91-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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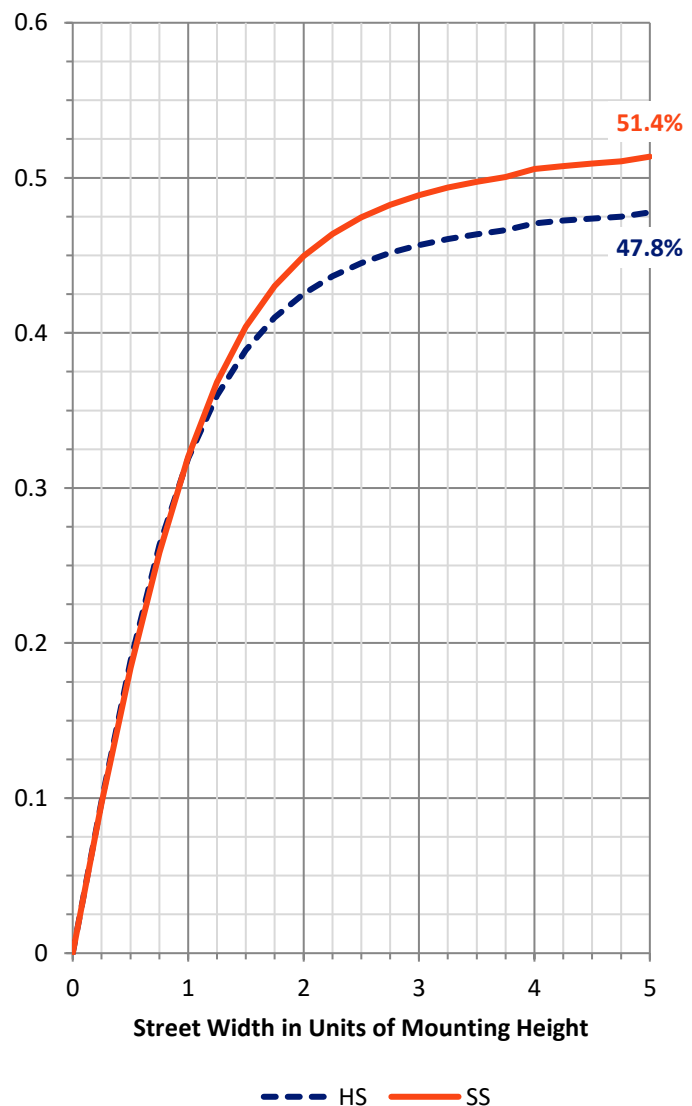
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1650.0	0.0	1650.0
	% Fixture	48.3	0.0	48.3
<b>Street Side</b>	Lumens	1768.6	0.0	1768.6
	% Fixture	51.7	0.0	51.7
<b>Total</b>	Lumens	3418.7	0.0	3418.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.2	0.9
10°-20°	102.0	3.0
20°-30°	197.4	5.8
30°-40°	323.9	9.5
40°-50°	513.0	15.0
50°-60°	707.3	20.7
60°-70°	794.3	23.2
70°-80°	593.6	17.4
80°-90°	156.0	4.6
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°	3418.7	100.0
0°-180°	3418.7	100.0



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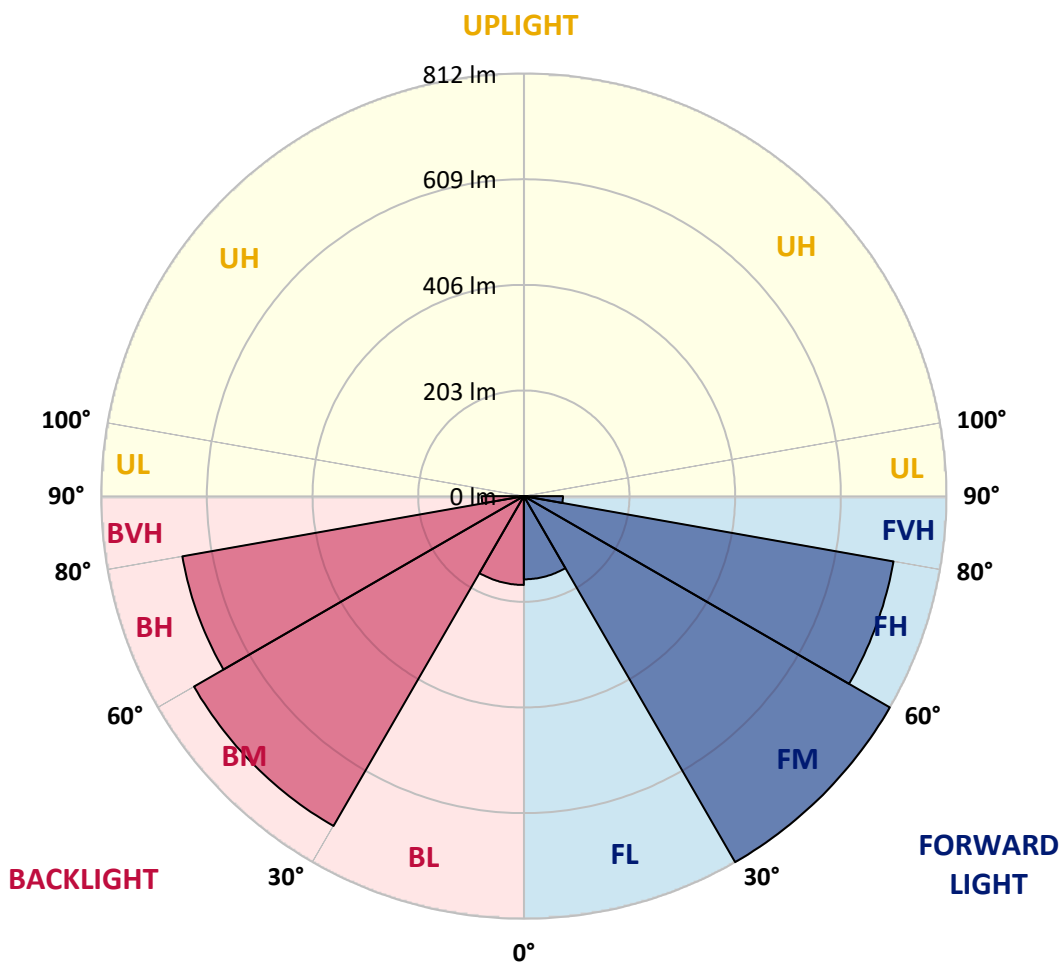
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	159.8	4.7			
FM (30°-60°)	812.2	23.8			
FH (60°-80°)	721.5	21.1			G1/1800
FVH (80°-90°)	75.1	2.2			G1/100
BL (0°-30°)	170.8	5.0	B1/500		
BM (30°-60°)	732.0	21.4	B1/1000		
BH (60°-80°)	666.4	19.5	B2/1000		G2/1000
BVH (80°-90°)	80.9	2.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8
2.5°	318.0	318.0	318.0	318.0	319.2	319.2	319.2	319.2	319.2	318.0	318.0
5°	320.4	320.4	320.4	320.4	321.6	321.6	321.6	321.6	322.8	322.8	322.8
7.5°	322.8	322.8	324.0	324.0	325.2	325.2	326.5	326.5	327.7	328.9	328.9
10°	327.7	327.7	328.9	328.9	331.3	332.5	333.7	333.7	336.1	336.1	336.1
12.5°	333.7	334.9	336.1	337.3	339.8	341.0	342.2	343.4	344.6	345.8	345.8
15°	343.4	342.2	344.6	347.0	348.2	350.6	351.8	353.1	355.5	357.9	357.9
17.5°	350.6	351.8	353.1	355.5	357.9	361.5	363.9	366.4	368.8	371.2	371.2
20°	360.3	359.1	363.9	367.6	370.0	374.8	378.4	383.3	385.7	388.1	389.3
22.5°	368.8	370.0	372.4	377.2	382.1	389.3	396.6	400.2	403.8	406.3	409.9
25°	379.7	380.9	384.5	389.3	396.6	405.0	413.5	418.3	422.0	426.8	430.4
27.5°	390.5	390.5	396.6	403.8	412.3	423.2	432.9	437.7	443.7	449.8	452.2
30°	402.6	402.6	408.7	418.3	430.4	442.5	451.0	460.7	469.1	475.2	480.0
32.5°	420.8	420.8	428.0	437.7	451.0	465.5	477.6	487.3	498.1	509.0	518.7
35°	441.3	442.5	452.2	464.3	480.0	498.1	509.0	522.3	534.4	552.5	562.2
37.5°	474.0	475.2	486.0	501.8	517.5	536.8	555.0	570.7	588.8	609.4	616.6
40°	522.3	525.9	536.8	544.1	558.6	573.1	599.7	626.3	657.7	685.5	690.4
42.5°	609.4	605.7	598.5	596.1	599.7	615.4	644.4	685.5	741.2	776.2	776.2
45°	643.2	643.2	644.4	642.0	639.6	650.5	684.3	749.6	828.2	876.6	886.3
47.5°	649.3	650.5	661.4	671.0	673.5	685.5	726.7	812.5	917.7	989.0	995.1
50°	649.3	651.7	666.2	683.1	695.2	712.1	762.9	868.1	1006.0	1088.2	1103.9
52.5°	646.9	649.3	665.0	685.5	704.9	729.1	794.4	926.2	1084.5	1195.8	1203.0
55°	640.8	643.2	662.6	684.3	706.1	738.7	819.8	975.7	1160.7	1285.3	1298.6
57.5°	633.6	637.2	657.7	680.7	701.3	741.2	836.7	1014.4	1222.4	1365.0	1389.2
60°	619.0	625.1	648.1	671.0	690.4	732.7	845.1	1044.6	1268.3	1423.1	1447.3
62.5°	590.0	596.1	621.5	646.9	666.2	712.1	840.3	1059.2	1294.9	1459.4	1484.7
65°	553.8	556.2	584.0	610.6	629.9	678.3	819.8	1056.7	1301.0	1471.4	1500.5
66°	535.6	536.8	569.5	594.9	610.6	663.8	807.7	1048.3	1297.3	1470.2	1500.5
67.5°	503.0	509.0	536.8	563.4	581.6	631.1	778.6	1028.9	1282.8	1458.1	1489.6
70°	446.1	451.0	474.0	500.6	519.9	567.1	715.8	972.1	1229.6	1408.6	1444.8
72.5°	384.5	388.1	412.3	431.6	443.7	494.5	639.6	879.0	1136.5	1315.5	1350.5
75°	319.2	321.6	343.4	356.7	367.6	412.3	538.0	759.3	990.2	1164.3	1210.3
77.5°	251.5	252.7	270.8	282.9	282.9	321.6	426.8	615.4	812.5	973.3	1007.2
80°	185.0	183.8	194.7	200.7	204.3	229.7	307.1	452.2	619.0	744.8	777.4
82.5°	120.9	119.7	127.0	129.4	129.4	145.1	193.5	286.6	406.3	505.4	524.7
85°	64.1	66.5	65.3	65.3	65.3	71.3	96.7	149.9	216.4	270.8	284.1
87.5°	10.9	10.9	10.9	12.1	14.5	19.3	25.4	42.3	61.7	83.4	94.3
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):**

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8
2.5°	318.0	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2	319.2
5°	322.8	322.8	322.8	324.0	324.0	324.0	324.0	324.0	324.0	324.0	324.0
7.5°	328.9	328.9	330.1	330.1	330.1	331.3	331.3	330.1	330.1	330.1	330.1
10°	336.1	336.1	337.3	338.5	338.5	339.8	339.8	338.5	338.5	337.3	337.3
12.5°	345.8	347.0	348.2	349.4	350.6	350.6	349.4	348.2	347.0	345.8	345.8
15°	357.9	359.1	360.3	362.7	362.7	362.7	361.5	360.3	357.9	356.7	357.9
17.5°	372.4	373.6	376.0	377.2	378.4	377.2	377.2	376.0	376.0	374.8	374.8
20°	390.5	391.7	395.4	396.6	396.6	397.8	401.4	403.8	407.5	408.7	408.7
22.5°	408.7	411.1	414.7	419.6	422.0	426.8	428.0	430.4	429.2	425.6	425.6
25°	430.4	432.9	440.1	446.1	451.0	453.4	451.0	447.4	441.3	436.5	435.3
27.5°	453.4	457.0	467.9	476.4	478.8	476.4	466.7	458.2	451.0	444.9	442.5
30°	482.4	488.5	500.6	505.4	504.2	494.5	480.0	469.1	458.2	451.0	449.8
32.5°	518.7	524.7	535.6	536.8	529.6	511.4	492.1	477.6	464.3	455.8	454.6
35°	562.2	568.3	574.3	570.7	550.1	527.2	503.0	482.4	469.1	459.4	459.4
37.5°	617.8	621.5	621.5	603.3	571.9	541.7	511.4	487.3	472.7	463.1	461.9
40°	690.4	689.2	672.2	637.2	596.1	555.0	517.5	492.1	474.0	464.3	463.1
42.5°	777.4	769.0	732.7	675.9	619.0	567.1	524.7	493.3	472.7	463.1	461.9
45°	883.8	869.3	804.0	720.6	643.2	577.9	528.4	492.1	469.1	458.2	457.0
47.5°	989.0	980.6	891.1	767.8	667.4	590.0	530.8	488.5	461.9	446.1	446.1
50°	1100.3	1079.7	978.1	824.6	692.8	598.5	530.8	482.4	449.8	432.9	430.4
52.5°	1207.9	1187.3	1066.4	881.4	720.6	607.0	528.4	474.0	438.9	420.8	418.3
55°	1299.8	1282.8	1152.3	945.5	749.6	613.0	524.7	464.3	428.0	411.1	408.7
57.5°	1384.4	1367.5	1227.2	999.9	777.4	616.6	516.3	452.2	414.7	397.8	396.6
60°	1446.1	1432.8	1291.3	1050.7	800.4	616.6	504.2	437.7	400.2	383.3	382.1
62.5°	1487.2	1473.9	1337.2	1084.5	814.9	608.2	486.0	418.3	382.1	366.4	362.7
65°	1502.9	1490.8	1357.8	1097.8	812.5	591.2	461.9	394.2	359.1	343.4	341.0
66°	1504.1	1490.8	1357.8	1095.4	806.5	581.6	451.0	383.3	349.4	333.7	331.3
67.5°	1494.4	1482.3	1349.3	1083.3	789.5	563.4	429.2	365.1	331.3	315.6	314.4
70°	1449.7	1440.0	1303.4	1037.4	749.6	523.5	393.0	330.1	297.4	286.6	282.9
72.5°	1353.0	1342.1	1211.5	951.5	684.3	469.1	347.0	289.0	262.4	249.1	247.9
75°	1203.0	1198.2	1071.2	837.9	590.0	403.8	293.8	244.2	222.5	212.8	212.8
77.5°	1007.2	997.5	889.9	692.8	484.8	326.5	235.8	198.3	181.4	172.9	174.1
80°	783.5	776.2	685.5	519.9	366.4	245.4	176.5	151.1	139.0	134.2	131.8
82.5°	536.8	517.5	457.0	344.6	238.2	165.6	122.1	105.2	99.1	97.9	96.7
85°	279.3	286.6	240.6	182.6	129.4	91.9	73.8	67.7	65.3	66.5	66.5
87.5°	91.9	94.3	72.5	55.6	42.3	32.6	27.8	26.6	23.0	25.4	26.6
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)