

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: P672243

Luminaire Tested: **CCP-SA-1A-735-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672243  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-735-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T3R distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

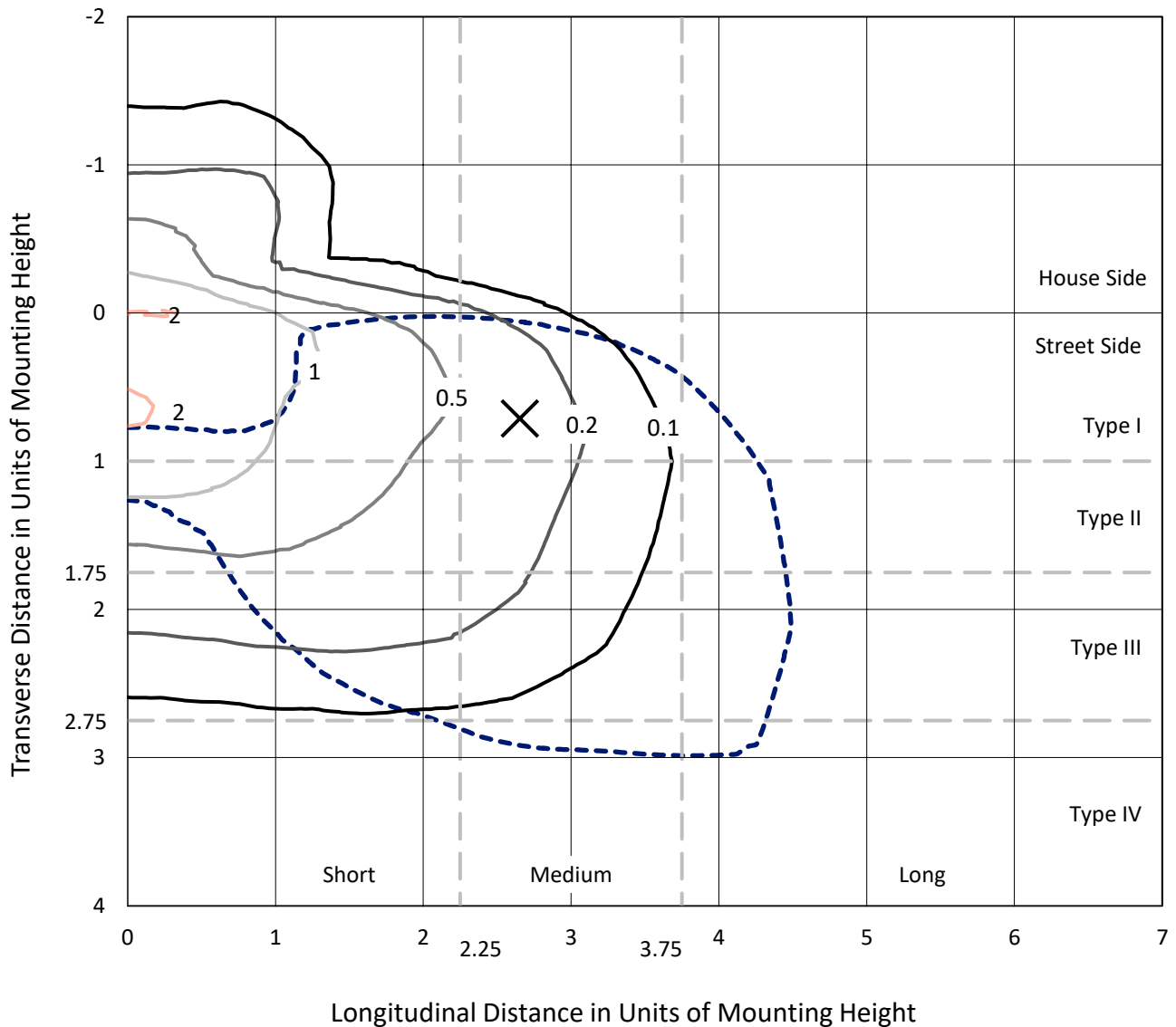
Lumens per Lamp: N/A  
Luminaire Lumens: 2742.5 lumens  
Efficiency: N/A  
Efficacy: 152.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 18  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

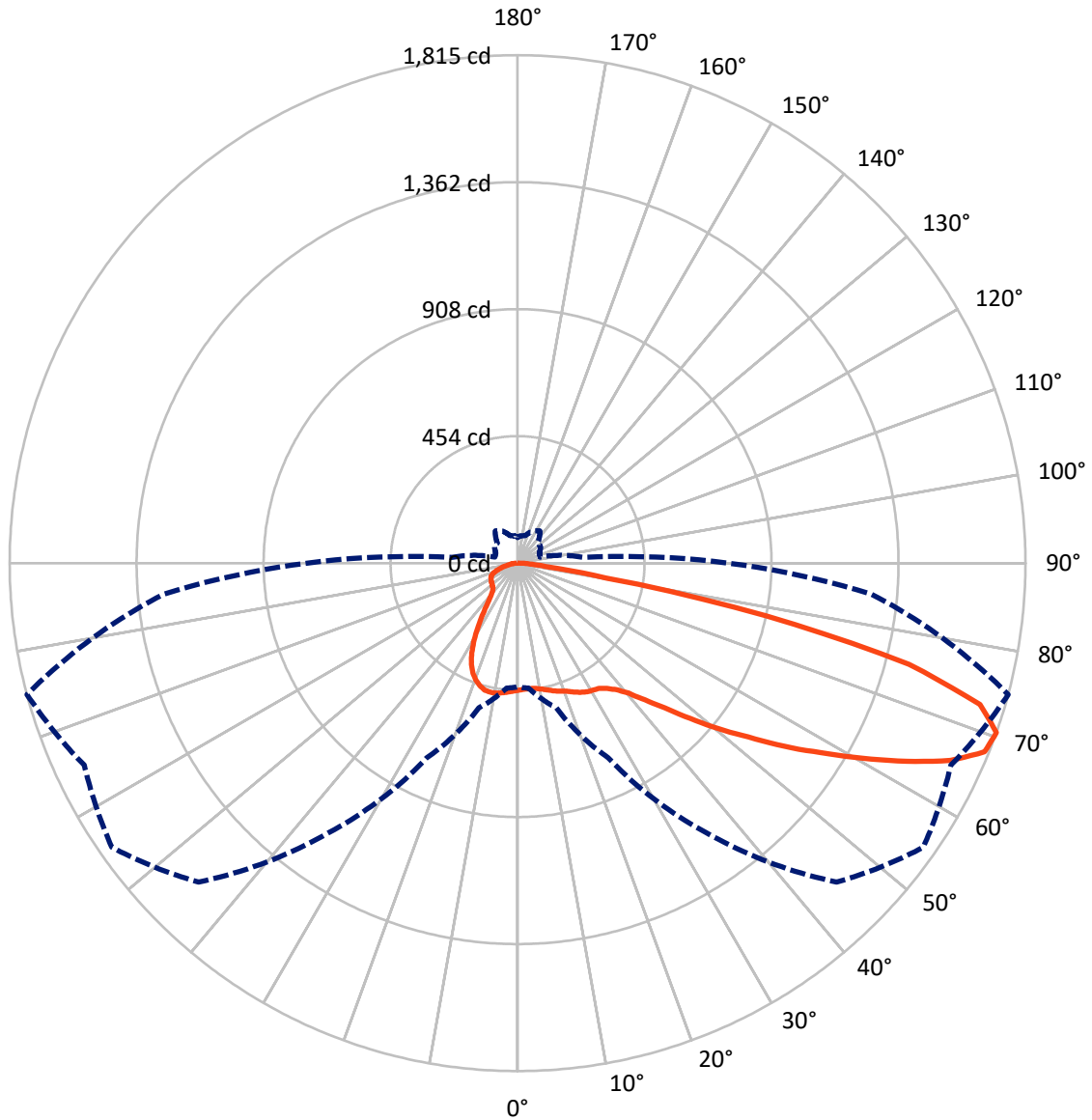
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.1 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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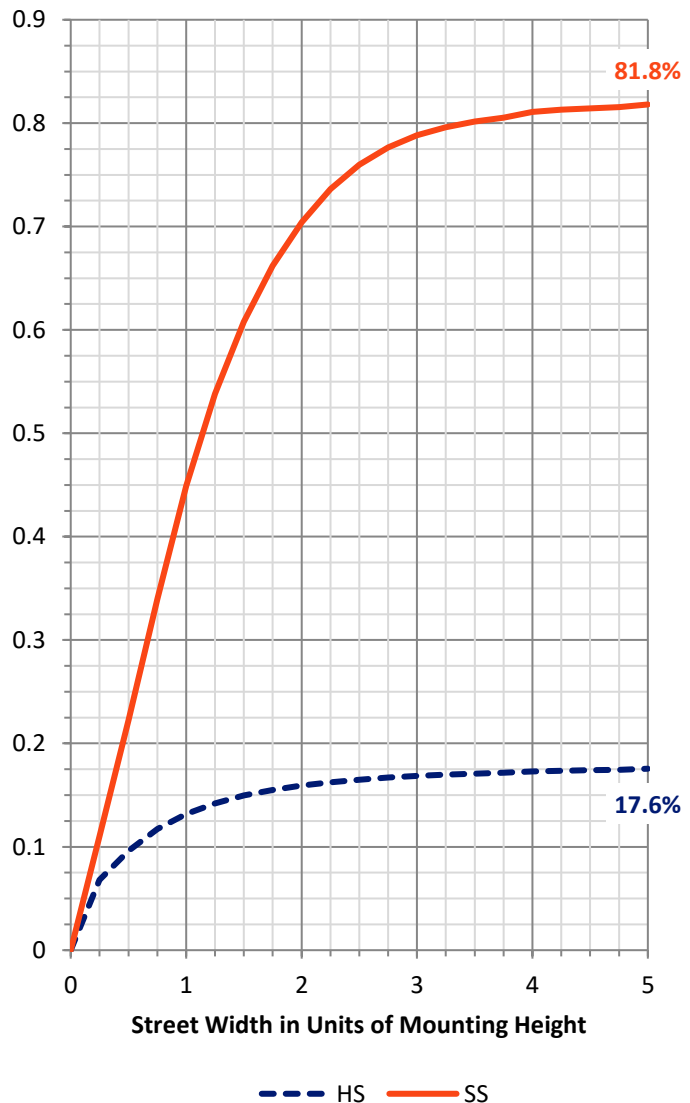
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	487.9	0.0	487.9
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	2254.6	0.0	2254.6
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	2742.5	0.0	2742.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.8	1.5
10°-20°	108.9	4.0
20°-30°	183.5	6.7
30°-40°	278.7	10.2
40°-50°	399.3	14.6
50°-60°	529.4	19.3
60°-70°	662.5	24.2
70°-80°	483.7	17.6
80°-90°	55.8	2.0
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°	2742.5	100.0
0°-180°	2742.5	100.0



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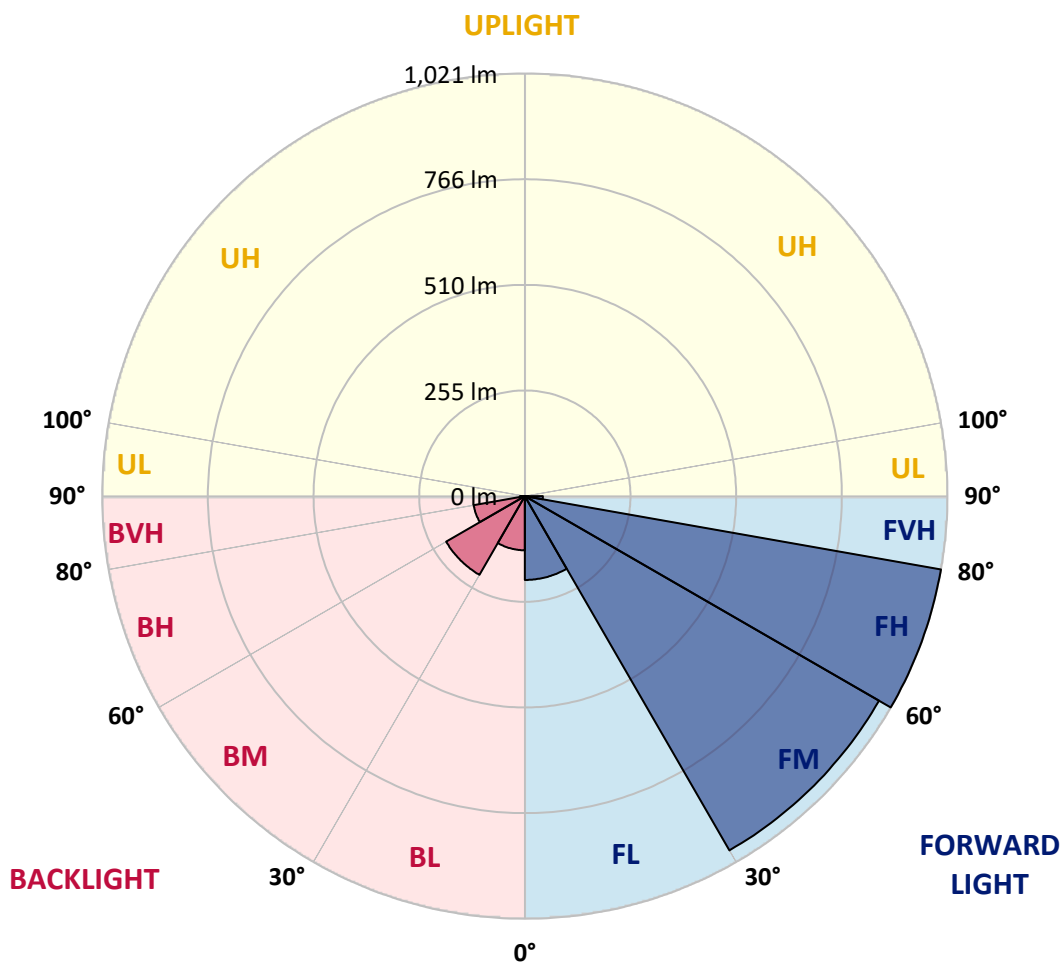
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	202.4	7.4			
FM (30°-60°)	987.9	36.0			
FH (60°-80°)	1020.7	37.2			G1/1800
FVH (80°-90°)	43.5	1.6			G1/100
BL (0°-30°)	130.8	4.8	B1/500		
BM (30°-60°)	219.4	8.0	B0/220		
BH (60°-80°)	125.5	4.6	B1/500		G1/500
BVH (80°-90°)	12.3	0.4			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 IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3
2.5°	429.4	431.8	434.0	436.1	437.9	442.6	443.6	448.8	450.1	451.3	452.9
5°	405.3	407.1	409.3	412.8	416.6	425.1	431.0	442.2	448.6	450.5	456.1
7.5°	392.3	392.9	395.9	398.8	403.2	411.5	419.6	437.1	449.7	451.9	463.8
10°	382.8	383.6	386.4	390.5	394.9	402.6	412.6	433.6	454.1	457.4	474.2
12.5°	379.5	379.1	382.3	385.0	391.1	400.8	411.3	433.8	460.0	464.7	489.4
15°	392.9	390.3	392.3	391.3	393.3	402.8	415.2	438.1	467.3	473.2	505.2
17.5°	422.5	420.3	419.0	410.5	404.9	410.3	422.1	444.2	475.0	481.3	519.4
20°	466.7	460.6	455.5	441.3	425.9	424.1	432.4	450.3	482.3	488.4	534.4
22.5°	517.0	512.1	503.8	479.0	455.1	443.2	445.4	461.6	493.0	499.7	551.6
25°	580.6	580.4	563.4	529.9	493.8	469.9	465.3	479.5	505.0	511.5	565.8
27.5°	653.0	648.1	627.9	584.7	539.3	502.8	492.2	497.9	514.7	521.4	577.2
30°	715.0	715.6	695.0	647.9	587.9	535.0	514.9	511.1	521.0	527.7	587.9
32.5°	781.3	777.9	759.2	710.6	640.4	569.5	529.5	520.6	527.5	533.8	602.7
35°	843.6	839.9	823.7	771.4	698.2	607.6	549.2	535.4	542.9	549.8	620.8
37.5°	903.0	903.6	885.3	835.4	754.2	652.6	578.4	557.7	565.8	573.5	648.5
40°	954.9	952.0	937.8	892.8	812.5	698.4	611.4	588.1	603.9	611.0	683.4
42.5°	971.5	971.3	976.9	949.2	873.6	752.9	652.4	635.4	657.7	668.4	726.2
45°	957.1	961.5	993.4	992.6	934.8	815.4	708.5	693.1	725.2	737.3	778.5
47.5°	942.9	949.4	992.8	1017.5	989.7	884.3	777.3	765.9	812.1	829.4	832.8
50°	922.2	928.3	980.0	1021.1	1023.2	954.0	866.5	852.1	911.5	929.3	891.8
52.5°	899.1	903.8	957.3	1018.5	1039.2	1008.4	954.0	949.8	1018.1	1032.5	951.8
55°	771.6	791.7	924.0	1013.0	1050.3	1050.1	1039.0	1052.6	1134.3	1155.8	1018.7
57.5°	698.4	709.1	830.0	1009.8	1071.0	1088.5	1126.8	1156.0	1258.5	1277.8	1092.5
60°	674.5	684.0	782.9	1006.1	1112.2	1148.7	1212.7	1260.0	1391.9	1415.5	1175.0
62.5°	652.8	664.3	763.7	976.3	1162.2	1244.1	1315.1	1372.5	1532.6	1560.6	1257.1
65°	608.6	616.7	728.6	951.2	1209.5	1380.0	1462.9	1496.5	1668.9	1700.5	1311.5
67.5°	532.2	539.9	649.5	893.6	1240.3	1521.5	1624.5	1624.7	1774.3	1800.2	1323.0
70°	442.4	448.4	535.4	768.1	1176.2	1612.3	1770.4	1708.6	1804.1	1815.4	1268.5
72.5°	316.3	321.5	392.1	567.8	964.4	1538.7	1803.5	1705.0	1731.9	1728.3	1113.6
75°	195.0	204.8	240.2	346.5	599.3	1210.7	1623.2	1545.0	1454.2	1444.4	838.5
77.5°	127.1	132.2	162.4	204.4	264.4	695.0	1232.8	1158.4	918.2	906.8	450.7
80°	76.4	84.9	106.4	128.5	119.8	265.8	703.9	575.5	324.4	320.9	138.5
82.5°	41.0	48.7	75.0	79.5	67.3	93.9	255.0	187.1	103.8	102.6	51.9
85°	32.6	36.3	53.9	50.3	38.1	47.6	99.5	78.0	53.3	52.1	19.5
87.5°	19.7	24.9	40.9	33.9	18.9	17.2	45.6	36.9	25.1	23.3	7.7
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°	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3
2.5°	455.9	456.9	457.8	455.9	456.7	455.7	455.7	455.7	453.1	452.3	454.7
5°	460.2	461.6	462.4	456.3	452.5	447.0	442.4	435.5	431.6	429.0	429.0
7.5°	469.1	470.7	467.1	453.5	440.3	425.5	410.3	397.6	388.6	384.6	385.8
10°	482.1	482.7	470.9	445.8	417.6	390.1	368.6	351.9	340.6	334.9	334.1
12.5°	497.3	494.7	471.7	428.8	387.0	350.1	323.8	302.1	287.7	282.2	279.4
15°	512.3	506.2	468.7	408.5	352.3	307.9	274.3	253.8	244.9	242.3	241.4
17.5°	525.7	514.3	458.8	379.3	312.0	258.5	233.9	226.6	227.5	229.9	230.9
20°	538.0	520.4	444.6	344.6	261.7	220.0	213.9	220.6	226.2	229.7	230.3
22.5°	551.4	526.3	424.9	302.3	220.4	202.3	209.6	217.3	222.8	226.4	226.9
25°	561.6	526.1	397.1	252.2	194.4	197.5	206.2	213.1	217.3	219.8	219.6
27.5°	568.2	521.4	360.5	211.0	184.1	194.2	202.5	207.0	209.4	211.4	211.2
30°	570.1	512.3	314.6	180.6	179.4	191.0	197.3	200.1	201.9	203.9	203.9
32.5°	574.1	498.3	263.8	163.6	175.8	187.9	191.6	193.8	192.4	187.5	186.5
35°	578.4	482.7	215.9	155.7	172.5	185.7	189.3	183.5	168.5	166.6	165.8
37.5°	586.9	468.3	175.2	150.2	171.7	186.9	189.8	167.0	154.3	148.2	147.2
40°	601.3	453.9	148.0	146.2	172.7	192.0	182.0	159.1	138.1	126.5	124.5
42.5°	620.3	436.3	132.6	144.3	175.4	200.3	179.2	147.8	124.9	117.0	115.8
45°	642.2	413.0	125.3	143.9	178.8	204.4	180.0	138.7	119.0	112.9	112.5
47.5°	664.9	390.1	122.2	143.5	182.9	202.7	169.1	136.0	116.6	114.9	116.0
50°	689.3	364.1	119.6	142.5	186.3	202.7	163.2	135.4	117.4	121.4	125.3
52.5°	712.2	342.2	116.6	139.5	187.7	199.1	161.4	137.5	118.6	117.6	118.8
55°	740.0	330.9	115.1	135.4	185.1	188.3	159.3	143.5	119.6	111.5	111.5
57.5°	771.8	328.6	112.7	129.9	176.8	173.3	159.1	147.0	117.0	109.5	108.1
60°	810.1	333.7	109.7	122.9	166.8	161.6	157.7	147.0	112.9	106.2	106.8
62.5°	841.1	333.1	107.9	116.8	153.3	149.6	155.1	145.0	111.3	105.8	105.6
65°	848.4	320.5	102.8	108.9	136.8	135.0	152.3	140.1	109.1	103.6	102.0
67.5°	823.7	291.9	95.1	98.5	119.2	119.4	147.4	133.6	106.2	102.4	99.9
70°	753.7	236.0	83.7	85.8	100.3	102.8	140.1	125.9	101.2	97.3	91.2
72.5°	630.7	169.7	70.5	71.0	79.7	86.4	127.5	115.4	93.9	84.7	78.1
75°	466.9	112.7	57.4	56.6	59.8	70.3	108.9	103.8	84.5	70.3	66.9
77.5°	246.9	66.7	44.2	44.4	42.4	53.9	86.4	90.2	75.0	59.2	55.8
80°	84.5	40.1	31.8	33.2	30.0	38.5	64.1	75.0	64.1	49.3	43.6
82.5°	38.7	24.5	22.7	23.7	21.5	26.0	44.0	56.8	51.1	35.9	29.0
85°	19.5	14.6	14.6	16.0	14.2	13.4	24.3	37.7	37.5	24.7	21.3
87.5°	8.1	7.1	6.7	7.7	6.7	5.1	6.9	13.6	19.7	14.8	9.5
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)