

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: P671445

Luminaire Tested: **CCP-SA-1A-835-U-SL3**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671445  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-835-U-SL3  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ SL3 distribution lens  
Light Source: (16) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

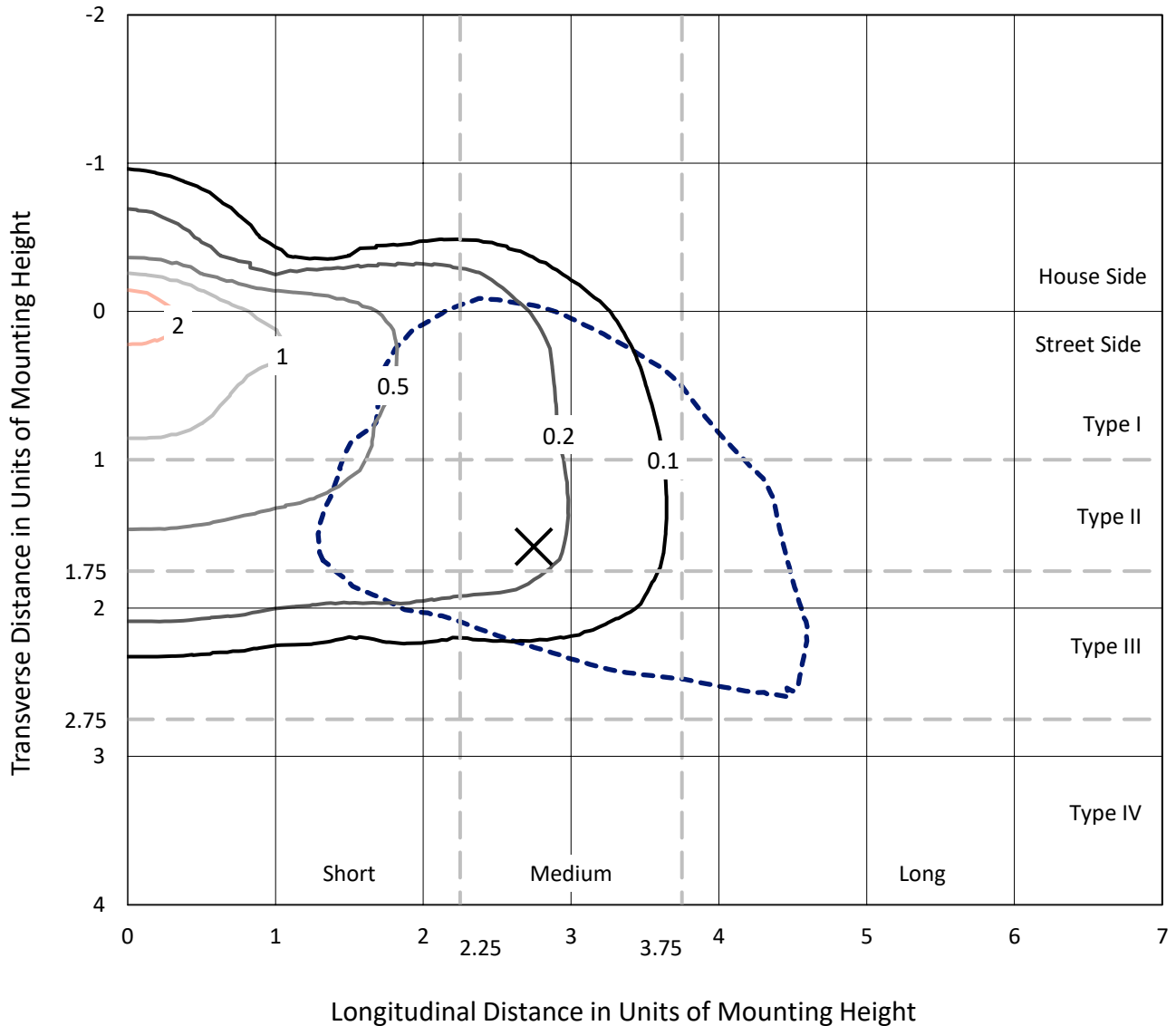
Lumens per Lamp: N/A  
Luminaire Lumens: 2228.9 lumens  
Efficiency: N/A  
Efficacy: 123.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 18  
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

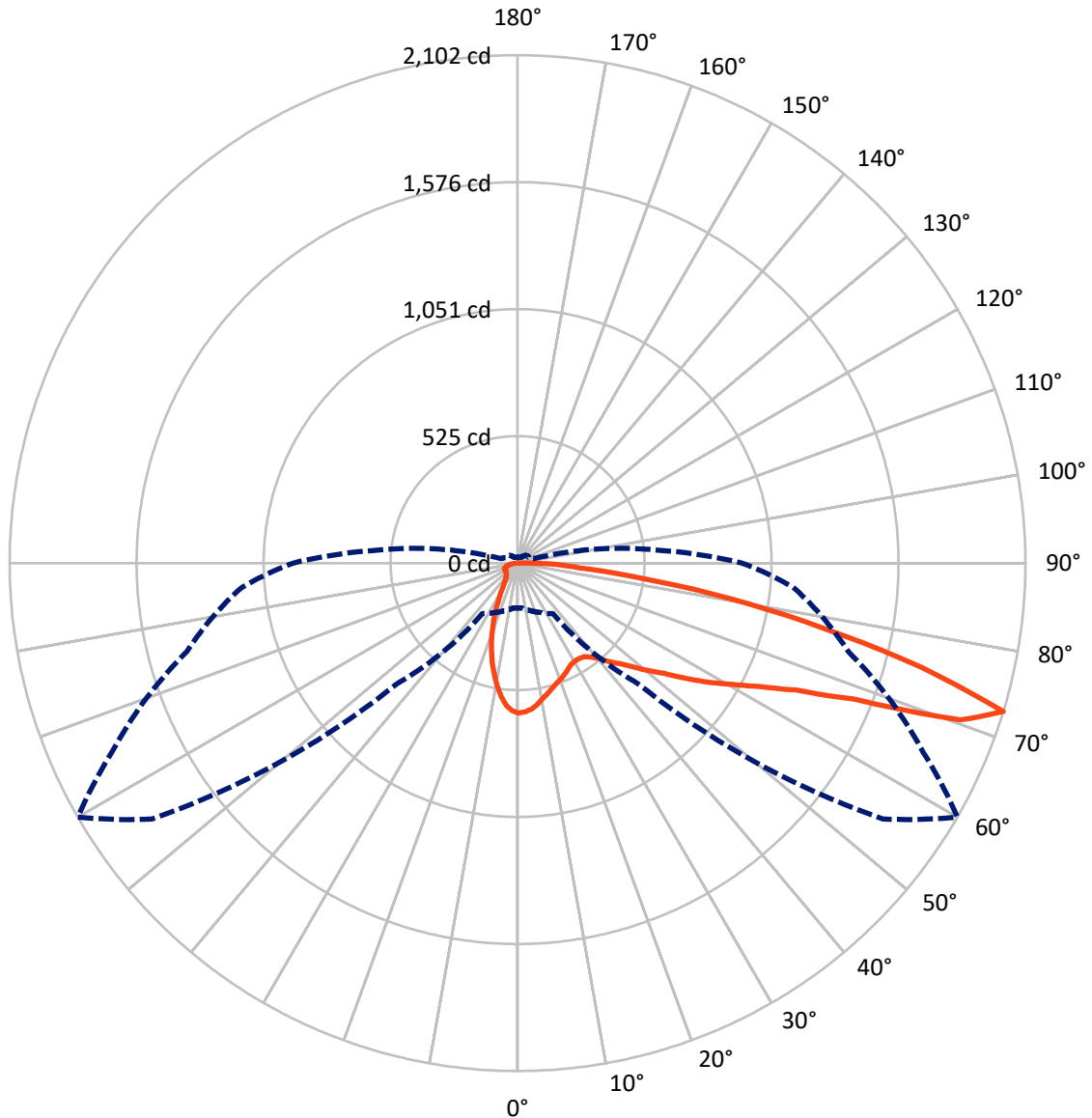
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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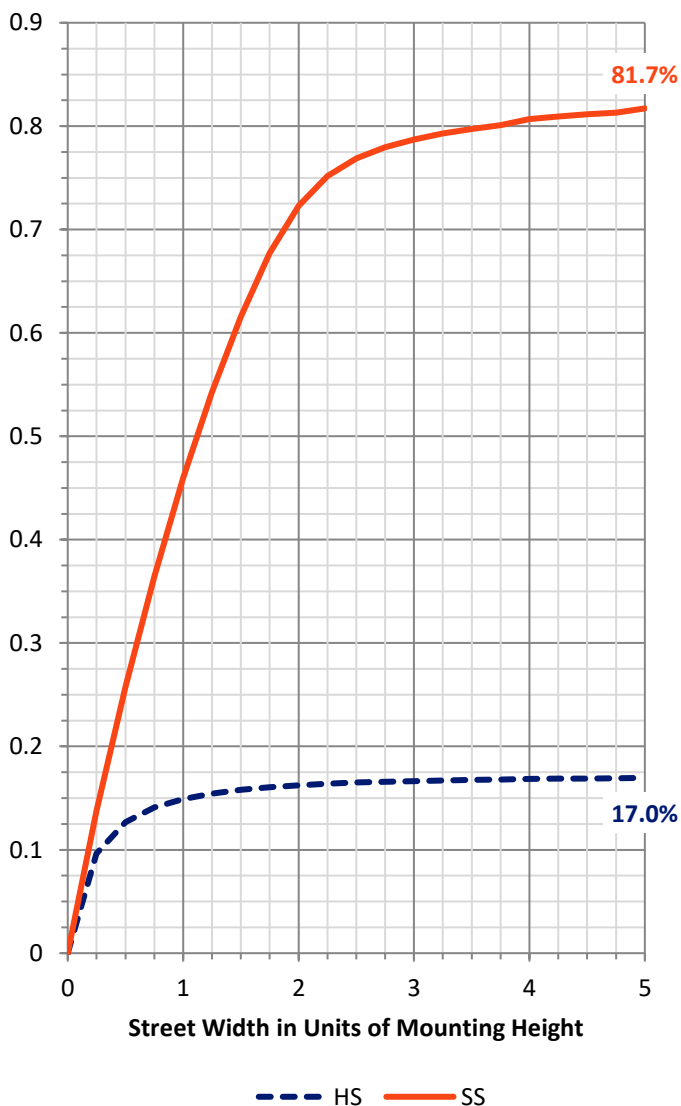
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	382.9	0.0	382.9
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	1846.0	0.0	1846.0
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	2228.9	0.0	2228.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.8	2.4
10°-20°	122.0	5.5
20°-30°	156.1	7.0
30°-40°	199.7	9.0
40°-50°	273.9	12.3
50°-60°	396.2	17.8
60°-70°	543.5	24.4
70°-80°	407.9	18.3
80°-90°	75.8	3.4
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°	2228.9	100.0
0°-180°	2228.9	100.0



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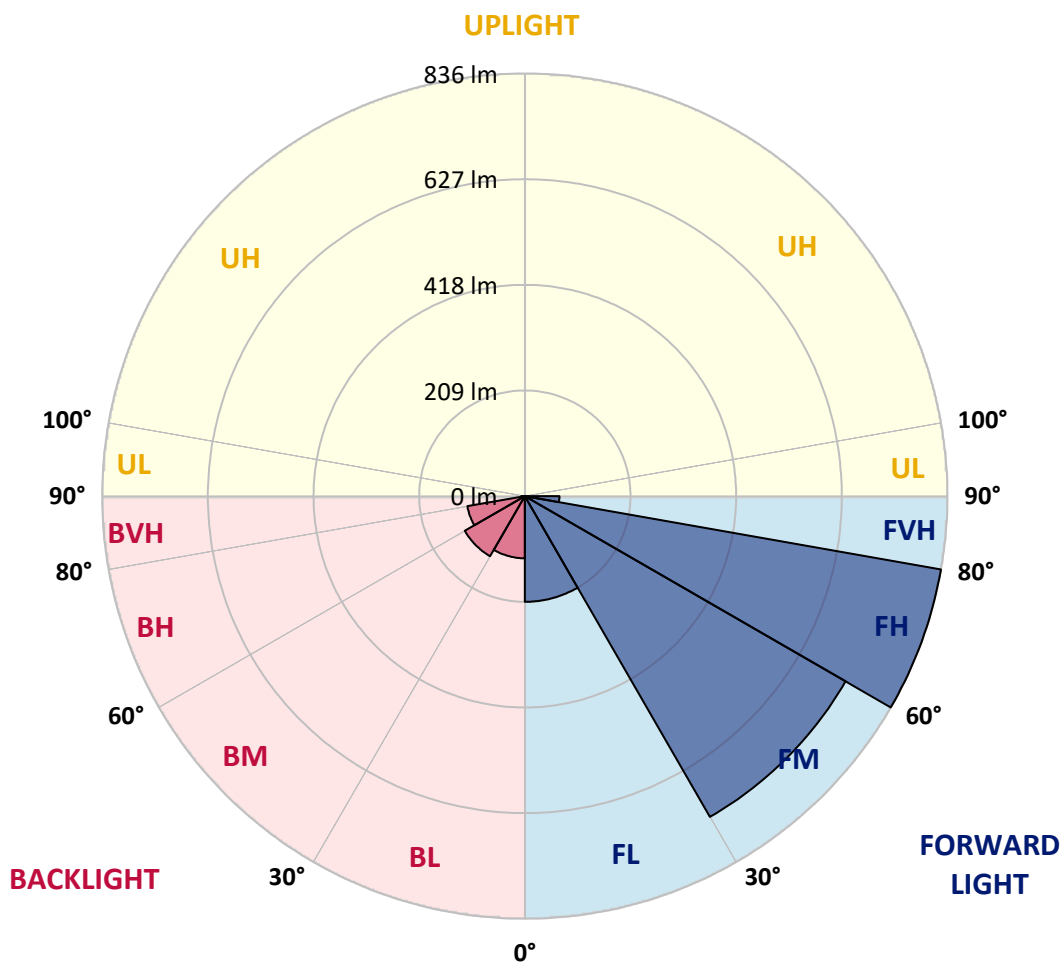
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	209.0	9.4			
FM (30°-60°)	732.6	32.9			
FH (60°-80°)	836.0	37.5			G1/1800
FVH (80°-90°)	68.4	3.1			G1/100
BL (0°-30°)	122.9	5.5	B1/500		
BM (30°-60°)	137.2	6.2	B0/220		
BH (60°-80°)	115.4	5.2	B1/500		G1/500
BVH (80°-90°)	7.4	0.3			G0/10
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°	60°	65°	75°	85°
0°	620.6	620.6	620.6	620.6	620.6	620.6	620.6	620.6	620.6	620.6	620.6
2.5°	607.4	613.2	614.8	614.8	619.8	614.0	622.3	615.7	617.3	619.8	618.2
5°	578.3	588.3	582.5	593.3	589.1	596.6	606.5	606.5	604.1	609.0	604.9
7.5°	550.1	546.8	556.8	556.8	563.4	573.4	581.6	589.9	590.8	592.4	591.6
10°	511.9	516.1	521.1	527.7	536.0	546.0	563.4	570.0	571.7	581.6	579.2
12.5°	480.4	486.2	489.5	502.8	510.3	524.4	544.3	553.4	554.3	568.4	568.4
15°	457.2	460.5	468.0	473.0	489.5	509.5	528.5	536.8	546.0	560.9	556.8
17.5°	441.4	445.6	448.9	455.5	471.3	487.9	517.8	522.7	533.5	555.1	550.1
20°	432.3	433.1	438.1	442.3	456.4	472.1	498.7	511.9	526.1	545.1	540.2
22.5°	434.0	430.6	429.8	435.6	438.1	453.0	485.4	499.5	519.4	541.8	533.5
25°	437.3	438.1	436.4	431.5	432.3	445.6	467.1	485.4	507.8	541.0	524.4
27.5°	445.6	449.7	443.1	438.1	433.1	438.1	460.5	473.8	498.7	545.1	523.6
30°	453.9	458.0	456.4	448.9	438.9	437.3	453.0	469.6	493.7	548.5	523.6
32.5°	466.3	472.1	466.3	468.8	457.2	449.7	455.5	470.5	498.7	560.1	524.4
35°	480.4	485.4	487.1	481.2	478.8	464.7	468.0	475.4	503.7	573.4	532.7
37.5°	496.2	502.0	507.0	507.8	499.5	491.2	489.5	493.7	516.1	596.6	541.8
40°	507.0	510.3	520.2	528.5	531.0	519.4	518.6	518.6	538.5	617.3	558.4
42.5°	525.2	523.6	537.7	552.6	556.8	550.1	551.8	558.4	570.0	647.2	585.0
45°	534.4	532.7	549.3	574.2	593.3	589.9	591.6	594.1	604.9	694.5	629.8
47.5°	546.8	548.5	572.5	600.7	620.6	632.3	641.4	640.6	648.9	742.6	679.6
50°	559.2	562.6	591.6	621.5	656.3	676.2	689.5	698.6	706.9	793.2	736.8
52.5°	583.3	586.6	619.0	651.3	696.2	725.2	758.4	757.6	758.4	843.8	794.1
55°	618.2	619.0	638.1	675.4	736.0	789.1	834.7	839.7	825.6	906.9	859.6
57.5°	658.0	661.3	677.9	706.1	767.5	850.5	920.2	930.1	892.0	958.4	919.4
60°	695.3	697.8	723.5	755.9	822.3	927.6	1006.5	1018.1	976.6	1021.4	981.6
62.5°	653.0	665.5	711.1	784.9	918.5	1044.6	1116.0	1123.5	1058.7	1085.3	1048.0
65°	522.7	531.0	596.6	716.1	925.2	1257.1	1285.3	1265.4	1171.6	1167.4	1148.4
67.5°	291.2	297.9	342.7	468.0	779.1	1336.7	1649.5	1503.5	1346.7	1291.1	1284.4
70°	229.8	231.5	237.3	263.0	432.3	1178.2	1936.6	1943.3	1632.9	1461.2	1313.5
72.5°	186.7	185.9	203.3	225.7	255.6	706.9	1846.2	2101.7	1852.0	1416.4	1144.2
75°	142.7	145.2	167.6	200.0	234.0	332.7	1377.4	1729.2	1735.0	1320.1	965.0
77.5°	108.7	109.5	134.4	176.7	229.0	234.8	898.6	1288.6	1294.4	1022.2	531.9
80°	81.3	81.3	102.1	149.4	223.2	216.6	553.4	893.6	809.0	359.3	116.2
82.5°	46.5	49.8	68.0	113.7	202.5	208.3	312.0	511.9	341.9	97.9	53.9
85°	24.9	25.7	41.5	76.3	166.8	199.1	238.1	254.7	136.1	52.3	24.9
87.5°	9.1	9.1	19.1	39.0	105.4	147.7	189.2	162.6	78.0	24.1	12.4
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°	620.6	620.6	620.6	620.6	620.6	620.6	620.6	620.6	620.6	620.6	620.6
2.5°	619.8	616.5	614.0	616.5	607.4	603.2	608.2	605.7	600.7	598.2	596.6
5°	607.4	603.2	599.1	596.6	586.6	576.7	571.7	561.7	553.4	555.9	550.9
7.5°	594.1	589.9	577.5	565.9	546.0	526.1	516.9	502.8	497.8	493.7	491.2
10°	577.5	570.0	550.9	527.7	498.7	476.3	453.0	436.4	419.0	411.6	414.0
12.5°	556.8	552.6	522.7	487.1	446.4	409.1	381.7	355.1	331.9	319.5	316.1
15°	547.6	535.2	492.0	444.7	393.3	346.8	306.2	259.7	232.3	219.1	219.1
17.5°	537.7	514.4	463.0	398.3	339.4	279.6	222.4	180.1	158.5	151.0	151.0
20°	521.9	496.2	429.0	354.3	282.9	210.8	159.3	136.1	129.4	124.5	125.3
22.5°	510.3	478.8	397.4	311.2	224.0	156.8	125.3	117.8	115.3	113.7	114.5
25°	497.0	458.0	364.3	264.7	175.9	123.6	108.7	105.4	107.0	107.9	107.9
27.5°	486.2	440.6	330.2	214.9	132.8	104.5	97.9	97.1	100.4	102.1	102.9
30°	478.8	424.8	297.0	169.3	106.2	92.9	89.6	89.6	93.8	95.4	96.2
32.5°	471.3	411.6	261.4	129.4	90.4	83.0	82.1	83.0	85.5	85.5	86.3
35°	473.8	399.1	227.3	104.5	81.3	76.3	76.3	76.3	77.2	78.0	78.0
37.5°	478.8	395.8	190.8	88.0	74.7	71.4	71.4	70.5	71.4	70.5	71.4
40°	483.7	390.8	157.7	78.0	70.5	68.0	67.2	65.5	64.7	64.7	65.5
42.5°	504.5	397.4	129.4	71.4	67.2	65.5	63.1	61.4	60.6	60.6	60.6
45°	531.0	409.9	107.0	68.0	64.7	60.6	58.9	58.1	56.4	57.3	58.1
47.5°	570.9	429.0	93.8	65.5	62.2	57.3	55.6	53.9	53.9	55.6	55.6
50°	623.1	460.5	85.5	63.1	59.7	54.8	52.3	51.4	51.4	53.9	53.9
52.5°	679.6	497.0	82.1	62.2	57.3	52.3	49.8	49.0	49.0	52.3	52.3
55°	736.0	541.8	84.6	62.2	55.6	49.8	47.3	45.6	46.5	49.0	49.0
57.5°	798.2	589.9	97.1	62.2	53.9	49.0	45.6	43.1	44.0	44.8	44.8
60°	866.2	653.0	118.7	62.2	53.1	47.3	43.1	39.8	39.8	40.7	40.7
62.5°	935.1	715.2	149.4	63.1	53.9	46.5	39.8	36.5	35.7	36.5	36.5
65°	1025.6	814.8	180.1	63.1	56.4	44.8	37.3	33.2	32.4	32.4	33.2
67.5°	1152.5	886.2	139.4	60.6	58.1	44.8	34.8	30.7	29.0	29.0	29.0
70°	1085.3	747.6	88.8	56.4	55.6	46.5	33.2	28.2	26.6	25.7	25.7
72.5°	929.3	598.2	71.4	53.1	51.4	45.6	31.5	26.6	24.1	23.2	23.2
75°	745.1	472.1	62.2	48.1	44.8	38.2	29.0	24.1	22.4	20.7	20.7
77.5°	365.1	197.5	47.3	42.3	38.2	29.0	25.7	22.4	19.9	18.3	18.3
80°	91.3	68.9	34.8	33.2	28.2	22.4	20.7	19.1	17.4	15.8	15.8
82.5°	49.0	40.7	24.9	22.4	19.1	15.8	15.8	14.9	14.1	12.4	11.6
85°	24.9	24.1	16.6	14.9	12.4	10.0	10.8	10.8	10.0	7.5	7.5
87.5°	13.3	13.3	8.3	6.6	5.8	5.0	5.0	5.0	4.1	3.3	3.3
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)