

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: P673683

Luminaire Tested: **CCP-SA-1A-735-U-SL2-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673683  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-735-U-SL2-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ SL2 distribution lens and House Side Shield  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

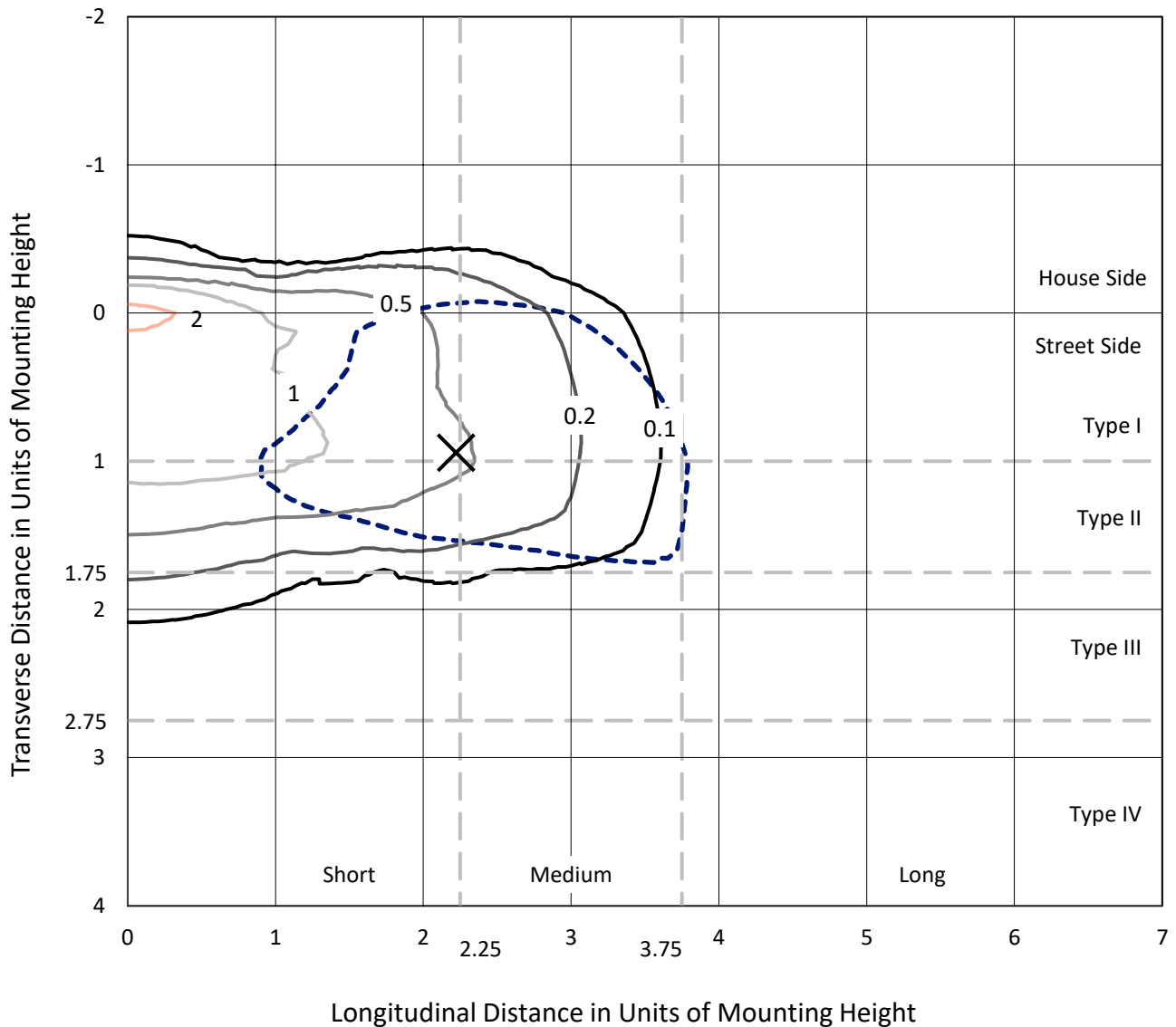
Lumens per Lamp: N/A  
Luminaire Lumens: 2169.9 lumens  
Efficiency: N/A  
Efficacy: 120.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G1

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

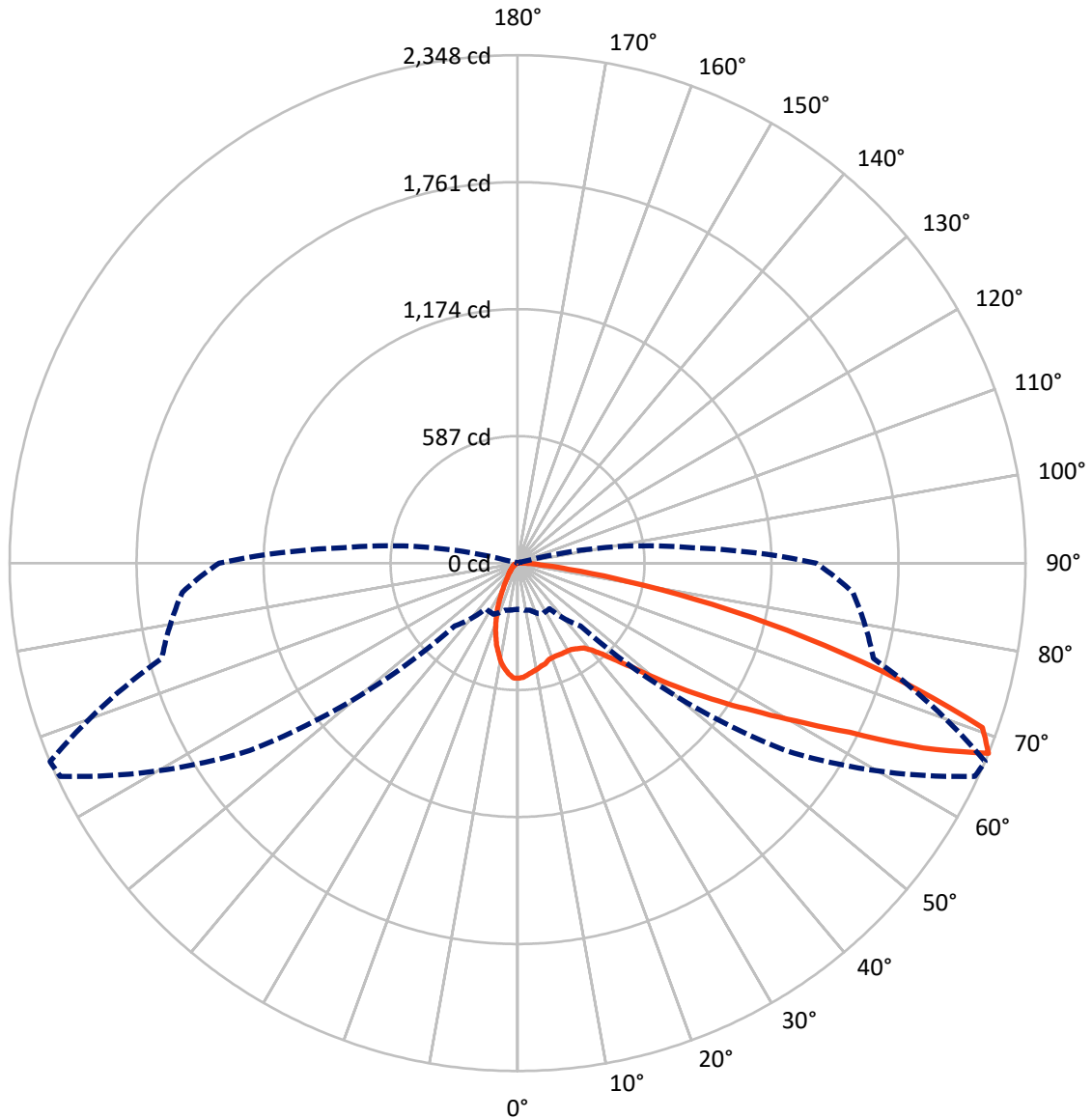
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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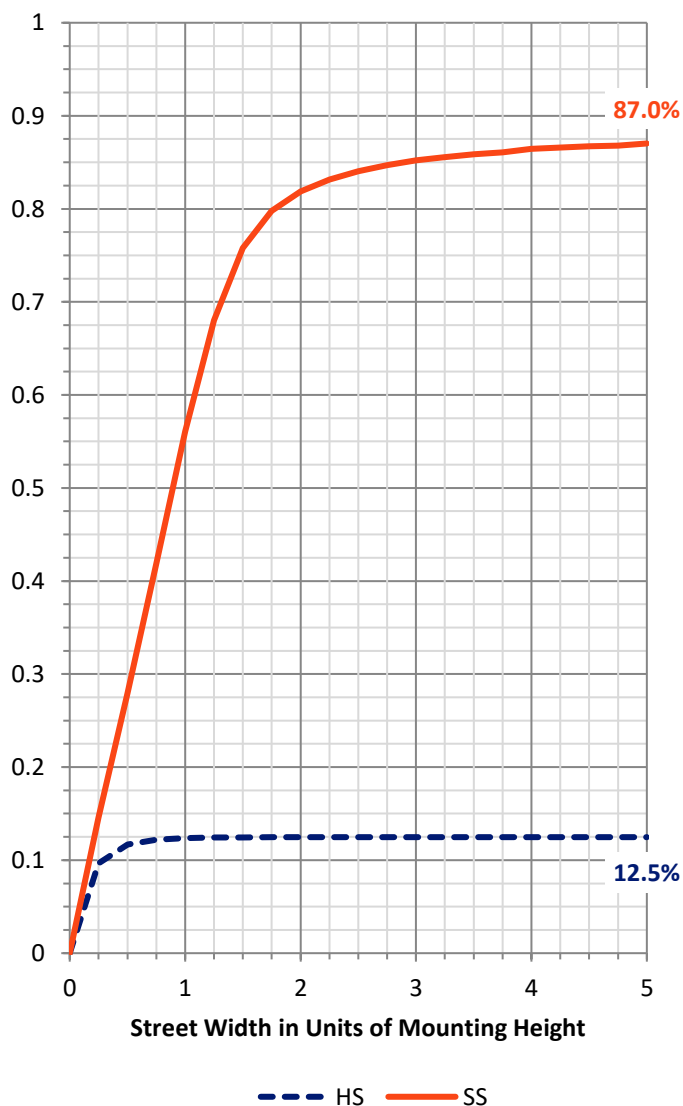
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	273.1	0.0	273.1
	% Fixture	12.6	0.0	12.6
<b>Street Side</b>	Lumens	1896.8	0.0	1896.8
	% Fixture	87.4	0.0	87.4
<b>Total</b>	Lumens	2169.9	0.0	2169.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.8	2.1
10°-20°	99.6	4.6
20°-30°	141.7	6.5
30°-40°	206.3	9.5
40°-50°	319.2	14.7
50°-60°	489.9	22.6
60°-70°	531.1	24.5
70°-80°	299.6	13.8
80°-90°	37.6	1.7
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°	2169.9	100.0
0°-180°	2169.9	100.0



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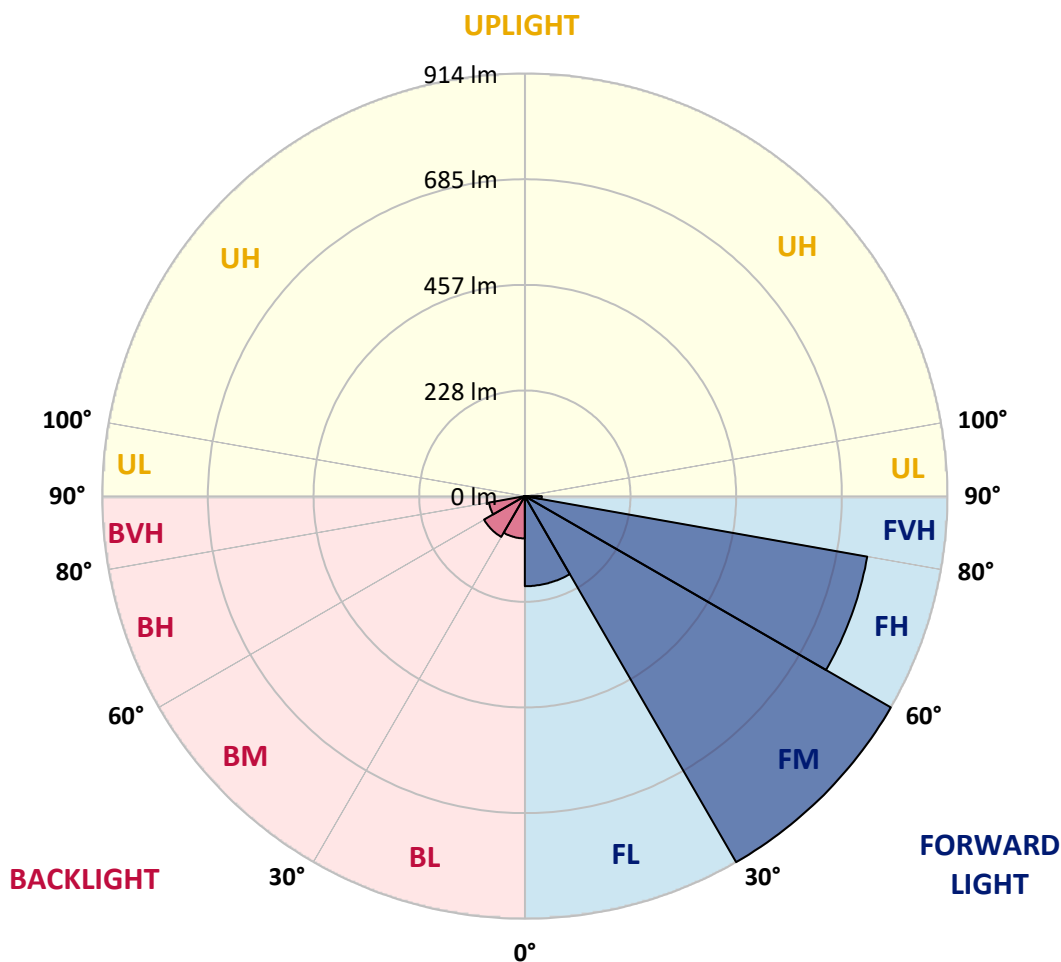
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	194.7	9.0			
FM (30°-60°)	913.7	42.1			
FH (60°-80°)	751.8	34.6			G1/1800
FVH (80°-90°)	36.6	1.7			G1/100
BL (0°-30°)	91.4	4.2	B0/110		
BM (30°-60°)	101.7	4.7	B0/220		
BH (60°-80°)	78.9	3.6	B0/110		G0/110
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	532.2	532.2	532.2	532.2	532.2	532.2	532.2	532.2	532.2	532.2	532.2
2.5°	509.2	511.8	515.5	520.7	524.4	522.3	523.9	532.8	528.0	532.2	530.1
5°	481.0	483.6	488.8	488.3	492.5	500.3	510.8	522.3	517.1	529.6	534.3
7.5°	451.7	450.7	450.7	461.7	470.5	481.5	487.3	506.1	506.6	517.6	529.1
10°	425.1	428.2	433.4	437.6	446.0	461.7	478.4	493.0	498.8	520.7	523.9
12.5°	408.8	410.4	416.7	420.3	431.3	446.5	464.3	483.1	487.8	510.3	525.4
15°	402.0	405.7	407.8	414.6	420.3	434.5	447.5	469.0	482.6	500.3	519.2
17.5°	407.3	405.7	406.8	408.8	415.6	428.2	442.3	463.7	468.4	498.2	526.5
20°	414.1	414.6	411.5	410.4	408.8	420.9	432.4	460.1	465.3	498.2	531.2
22.5°	432.4	426.6	432.4	424.0	415.6	420.9	431.9	460.6	464.3	497.7	535.9
25°	454.9	455.9	457.5	439.7	427.7	424.0	435.5	462.2	465.3	501.9	538.0
27.5°	486.7	491.5	483.6	474.7	450.7	432.4	435.0	461.1	466.9	499.8	543.2
30°	529.6	526.0	527.0	506.6	483.1	454.3	447.0	463.7	467.9	502.4	553.1
32.5°	566.7	562.6	569.9	562.6	525.4	485.7	461.1	469.0	473.7	508.7	561.5
35°	589.7	595.0	606.5	614.3	582.9	526.5	484.7	483.1	485.2	511.8	567.8
37.5°	625.3	634.7	644.1	664.0	636.8	576.7	521.8	501.4	497.7	527.0	570.9
40°	664.0	661.4	689.1	712.6	711.6	647.3	573.5	533.8	528.6	551.1	591.8
42.5°	696.4	693.8	724.6	763.3	767.5	715.2	632.6	579.8	575.1	588.2	617.5
45°	738.7	740.8	777.4	823.4	838.6	805.1	712.6	645.7	643.1	638.9	666.1
47.5°	776.4	787.9	819.3	873.6	928.5	898.2	806.7	741.9	723.6	714.2	741.4
50°	802.5	813.0	851.2	909.2	1009.6	1028.9	912.3	844.4	844.9	821.9	836.5
52.5°	802.5	802.0	832.9	909.2	1066.0	1165.4	1053.5	973.5	977.7	953.6	954.7
55°	725.2	723.6	761.2	842.3	1059.8	1296.6	1267.3	1137.1	1126.7	1080.1	1084.9
57.5°	584.0	587.7	616.4	713.7	978.2	1357.8	1521.9	1321.2	1285.6	1189.4	1189.4
60°	426.1	423.0	444.4	512.4	783.7	1334.8	1731.1	1538.1	1482.2	1279.9	1266.3
62.5°	324.1	323.6	329.4	352.4	497.2	1163.8	1821.0	1814.2	1723.2	1368.7	1349.4
65°	261.9	263.0	270.8	287.0	303.8	793.6	1773.4	2143.6	2060.4	1501.0	1437.8
67.5°	213.8	216.4	225.9	260.9	257.2	410.9	1510.4	2332.3	2348.0	1702.8	1556.4
70°	164.7	168.9	179.9	229.5	247.8	273.4	1047.2	2238.2	2280.0	1828.3	1484.8
72.5°	111.9	111.4	134.9	186.1	250.4	250.4	582.9	1802.7	1842.4	1685.6	1289.8
75°	60.6	64.3	89.4	140.6	229.5	242.1	332.0	1319.1	1375.0	1310.7	997.5
77.5°	32.9	33.5	49.7	92.0	190.8	231.1	221.7	897.2	919.1	790.5	546.3
80°	17.3	17.8	26.1	60.1	131.8	214.4	184.6	534.8	513.9	303.2	180.4
82.5°	7.8	8.4	13.1	37.6	84.2	168.9	159.5	258.3	238.4	84.7	54.9
85°	3.1	3.1	5.8	22.5	49.1	83.1	136.5	129.7	108.2	25.6	27.2
87.5°	1.0	1.0	1.6	8.9	19.9	49.7	72.7	68.5	47.1	9.4	14.6
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°	532.2	532.2	532.2	532.2	532.2	532.2	532.2	532.2	532.2	532.2	532.2
2.5°	528.0	533.8	532.2	531.2	521.3	520.2	519.2	509.8	512.9	505.0	510.3
5°	531.2	534.3	526.0	510.3	496.2	480.5	468.4	460.1	444.9	439.2	438.1
7.5°	528.0	528.0	510.8	485.7	458.0	432.4	400.0	377.0	359.7	346.6	351.3
10°	523.9	517.6	499.8	455.4	405.2	366.5	320.0	286.0	260.4	252.0	246.8
12.5°	523.9	512.9	473.2	412.5	347.7	289.1	233.7	189.3	164.7	150.0	148.0
15°	519.2	503.0	453.8	372.2	291.7	212.3	149.0	110.8	89.9	84.2	82.1
17.5°	520.2	500.9	425.1	324.7	226.4	141.2	91.0	70.1	64.8	62.2	62.7
20°	522.3	500.9	399.4	278.1	163.1	87.8	62.7	59.1	56.5	55.4	55.9
22.5°	529.1	490.9	373.3	230.6	110.3	63.3	55.4	51.8	49.7	48.1	47.6
25°	530.1	489.4	348.2	183.5	75.8	53.3	48.6	44.4	41.8	39.7	39.2
27.5°	528.6	482.6	313.2	136.5	57.0	47.6	41.3	37.1	33.5	31.9	31.4
30°	534.3	470.0	283.4	98.3	48.1	41.3	35.0	30.3	27.2	25.1	25.1
32.5°	534.8	459.0	250.4	70.1	43.9	36.6	29.8	24.6	21.4	20.4	20.4
35°	535.4	449.1	213.8	53.3	39.2	31.4	24.6	20.4	18.3	16.7	16.7
37.5°	536.9	441.8	180.4	45.0	35.0	26.7	20.4	16.7	14.6	14.1	14.1
40°	540.1	431.9	145.3	39.7	30.3	22.5	17.3	14.1	12.0	11.5	11.0
42.5°	548.4	429.2	116.1	35.6	27.2	18.8	14.1	11.5	9.9	8.9	8.4
45°	582.9	436.0	89.9	32.9	23.0	15.7	12.0	9.4	7.3	6.8	6.3
47.5°	639.4	458.5	71.1	29.3	19.3	13.1	9.9	7.3	5.8	5.2	4.7
50°	725.2	509.8	58.0	26.1	16.2	11.0	7.8	5.8	4.2	3.7	3.7
52.5°	837.6	578.8	50.2	23.0	13.1	9.4	6.3	4.2	3.1	2.6	2.6
55°	952.6	660.3	47.1	19.9	11.0	7.8	4.7	3.1	2.1	1.6	1.6
57.5°	1058.2	713.1	45.5	16.2	9.4	5.8	3.7	2.1	1.0	0.5	0.5
60°	1124.1	751.8	40.8	13.1	7.3	4.7	2.6	1.0	0.5	0.0	0.0
62.5°	1210.9	791.0	33.5	9.9	5.2	3.1	1.6	0.5	0.0	0.0	0.0
65°	1325.4	834.9	26.1	7.8	4.2	2.1	1.0	0.5	0.0	0.0	0.0
67.5°	1380.2	811.9	17.8	5.8	2.6	1.0	0.5	0.0	0.0	0.0	0.0
70°	1270.5	683.9	12.5	4.2	1.6	0.5	0.5	0.0	0.0	0.0	0.0
72.5°	1068.1	535.9	9.4	2.6	1.0	0.5	0.0	0.0	0.0	0.0	0.0
75°	787.4	335.1	7.3	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	417.7	125.0	5.2	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	123.4	36.6	3.7	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	40.8	11.0	2.1	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	20.9	4.2	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.0	1.6	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
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)