

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: P676983

Luminaire Tested: **CCW-SA-1A-735-U-SL3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676983  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1A-735-U-SL3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/  
SL3 distribution lens and House Side Shield  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

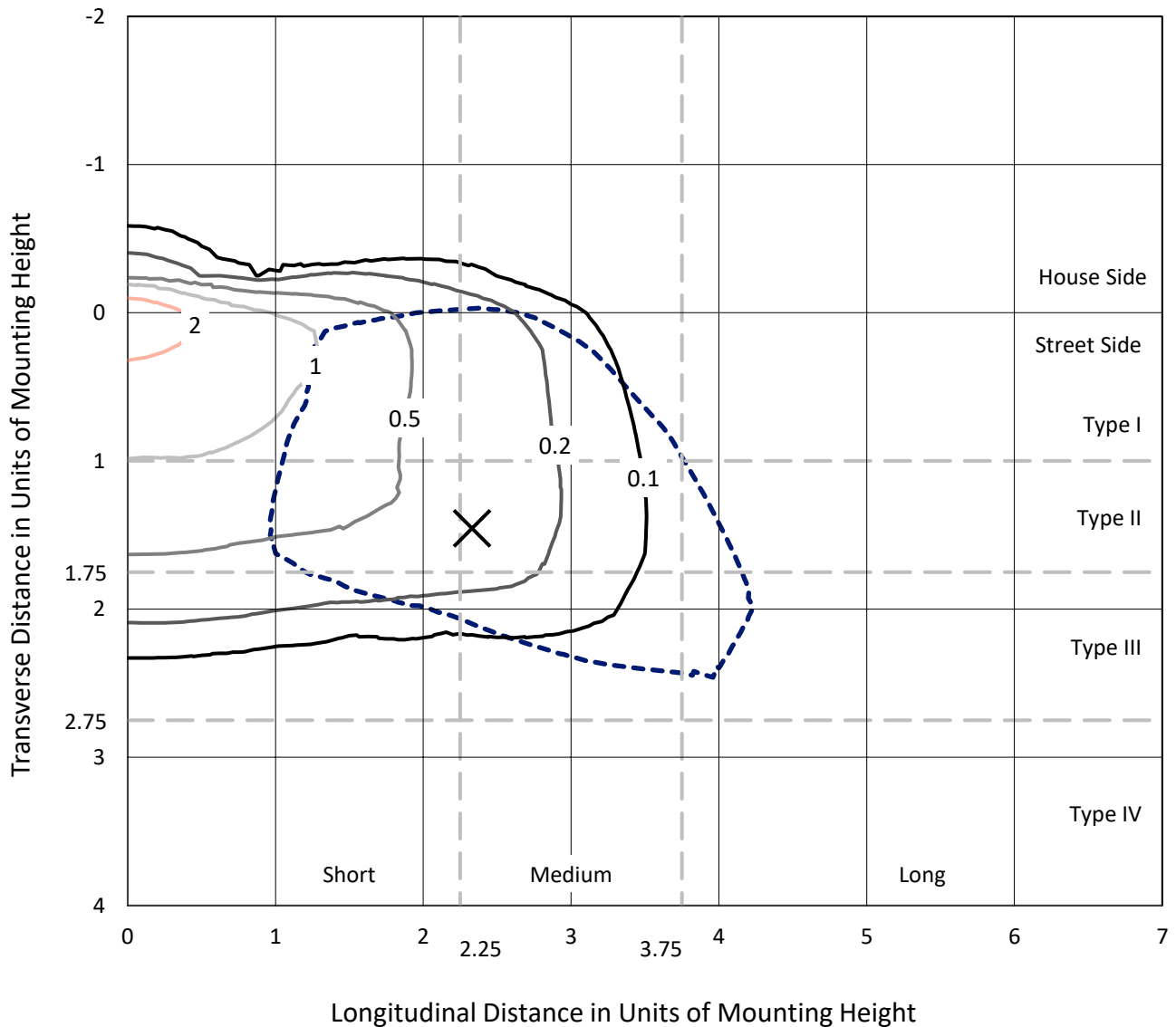
Lumens per Lamp: N/A  
Luminaire Lumens: 2229.7 lumens  
Efficiency: N/A  
Efficacy: 123.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G1

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

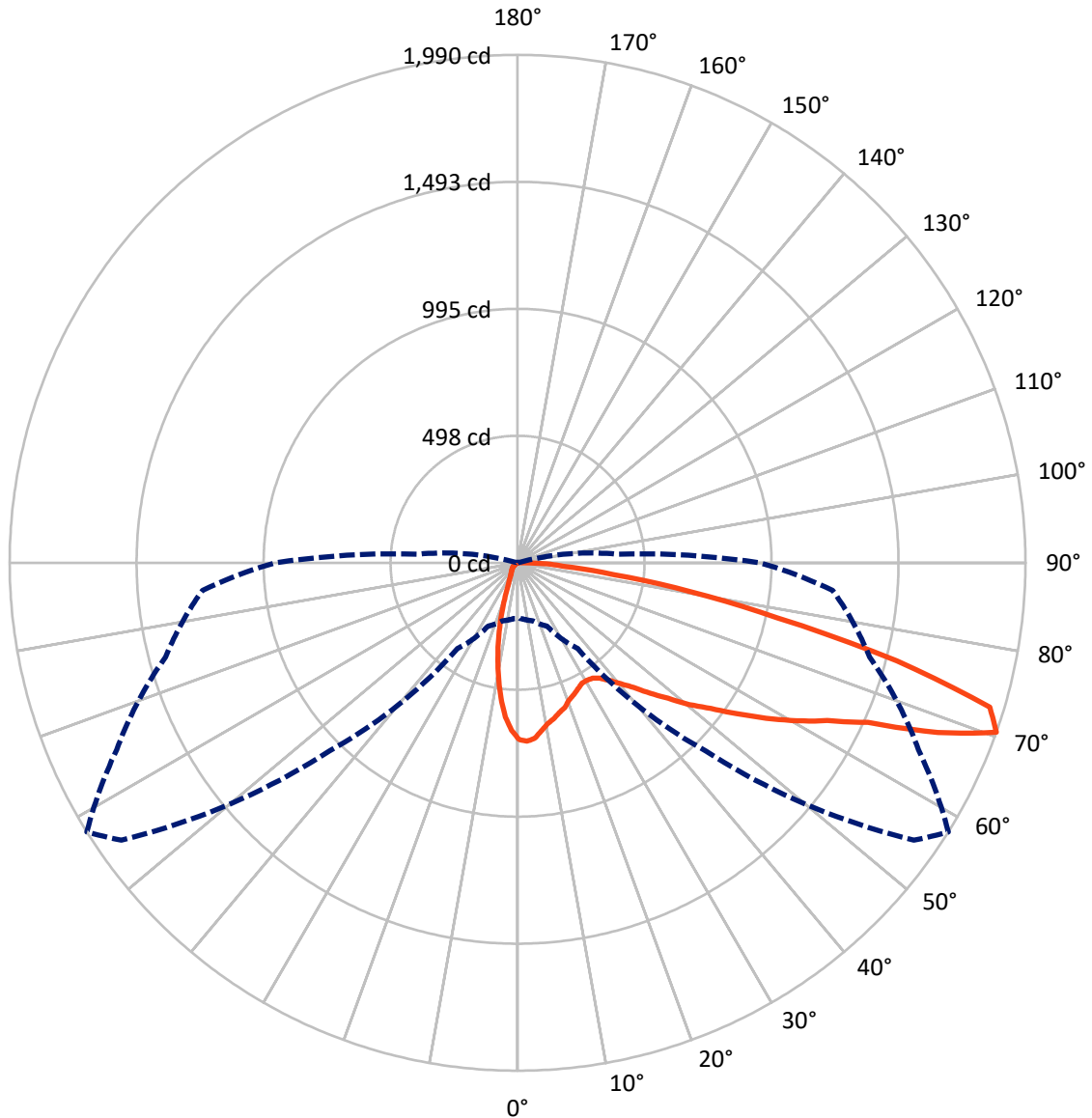
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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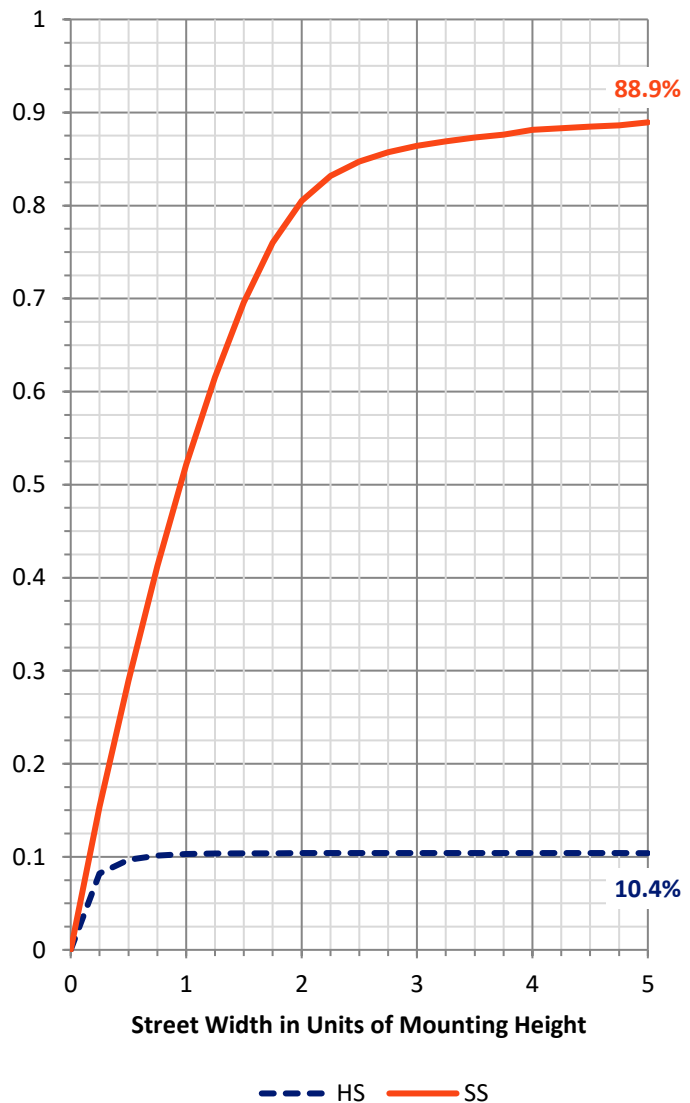
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	233.5	0.0	233.5
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	1996.3	0.0	1996.3
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	2229.7	0.0	2229.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.5	2.5
10°-20°	117.6	5.3
20°-30°	157.4	7.1
30°-40°	212.8	9.5
40°-50°	305.4	13.7
50°-60°	450.1	20.2
60°-70°	549.0	24.6
70°-80°	335.3	15.0
80°-90°	45.5	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°	2229.7	100.0
0°-180°	2229.7	100.0

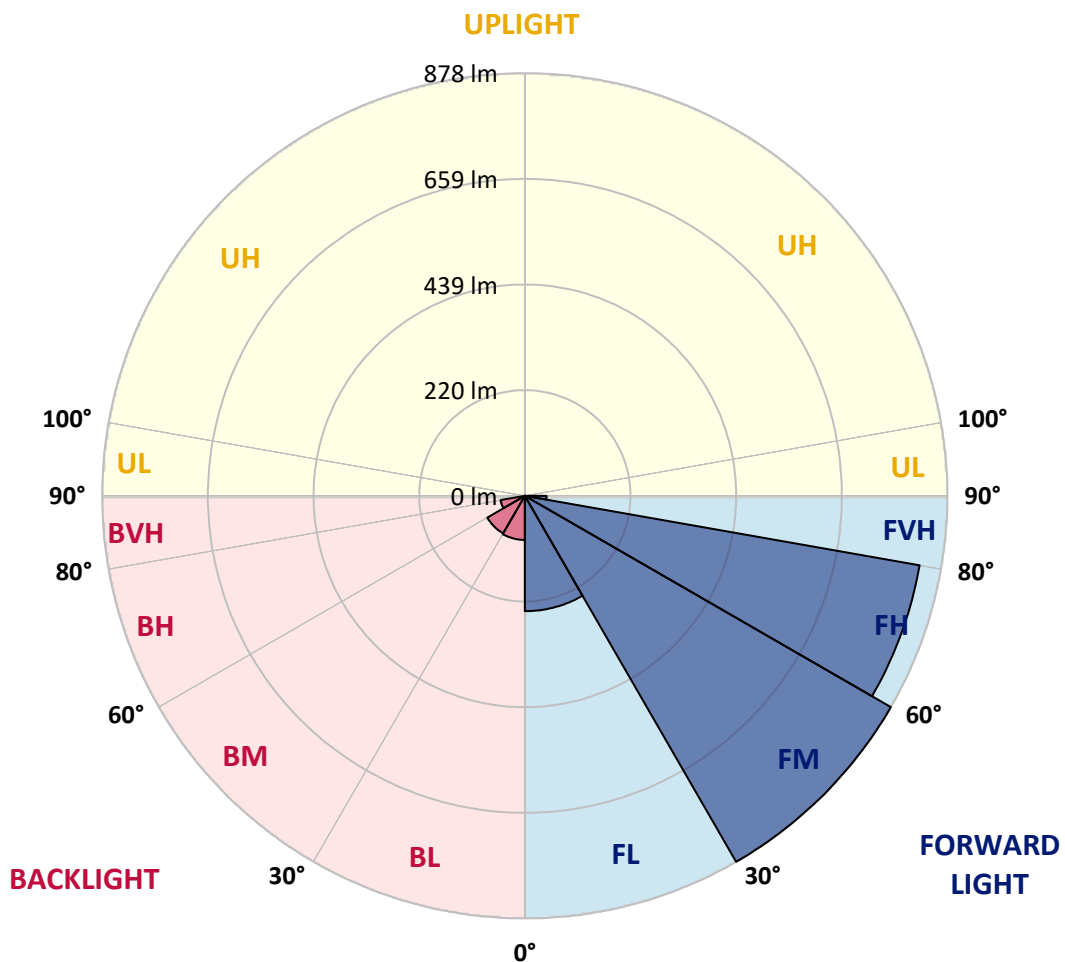


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	239.7	10.8			
FM (30°-60°)	878.3	39.4			
FH (60°-80°)	833.1	37.4			G1/1800
FVH (80°-90°)	45.1	2.0			G1/100
BL (0°-30°)	91.8	4.1	B0/110		
BM (30°-60°)	90.1	4.0	B0/220		
BH (60°-80°)	51.2	2.3	B0/110		G0/110
BVH (80°-90°)	0.4	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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	692.2	692.2	692.2	692.2	692.2	692.2	692.2	692.2	692.2	692.2	692.2
2.5°	704.7	707.3	701.1	708.4	701.6	704.7	701.1	700.0	700.5	701.1	696.9
5°	671.8	678.1	680.7	676.5	686.4	684.9	691.1	691.7	689.0	686.4	687.0
7.5°	628.4	634.7	637.3	639.9	649.8	662.9	671.3	666.0	670.2	679.6	665.5
10°	597.0	595.5	594.9	600.2	619.0	630.0	644.1	642.5	653.0	661.9	650.4
12.5°	558.3	555.2	564.6	568.8	585.5	604.9	615.9	627.4	637.8	647.2	634.2
15°	529.6	532.2	535.9	544.8	556.8	582.4	598.6	609.6	628.4	633.1	627.9
17.5°	506.6	508.7	513.9	518.6	533.8	558.3	584.0	597.0	616.9	629.4	613.2
20°	507.1	500.8	500.8	505.5	513.9	543.2	570.4	574.6	601.7	623.2	612.2
22.5°	507.6	505.5	500.8	500.3	504.0	524.9	552.6	562.0	591.3	616.4	603.3
25°	515.0	507.1	507.6	500.3	501.9	512.3	534.3	548.4	581.9	620.0	598.6
27.5°	521.2	524.9	517.6	514.4	505.5	505.0	523.3	535.3	577.2	628.4	601.7
30°	535.3	538.0	538.0	535.9	527.5	515.5	519.7	534.8	567.8	626.8	596.5
32.5°	558.9	554.2	560.4	557.3	546.3	527.5	531.2	539.0	573.5	646.7	604.9
35°	566.7	570.4	578.7	571.9	568.3	557.3	550.0	555.7	581.9	666.6	617.4
37.5°	590.8	585.5	591.3	606.4	610.1	590.2	576.1	584.5	613.2	690.1	628.9
40°	592.9	597.0	607.5	637.3	640.9	632.6	621.1	623.2	644.6	720.4	657.7
42.5°	603.3	608.0	629.4	654.5	674.4	676.0	667.6	667.6	685.9	769.0	689.6
45°	623.7	615.9	643.6	685.9	714.7	720.4	731.4	728.8	743.4	820.3	749.2
47.5°	631.5	634.2	664.5	715.7	748.6	775.3	793.6	794.1	801.4	885.6	826.5
50°	657.2	656.6	693.2	740.8	789.4	838.0	873.6	873.6	873.1	949.4	892.9
52.5°	691.1	690.1	718.3	774.8	838.0	899.2	946.3	947.8	959.9	1027.8	969.3
55°	746.6	741.8	769.0	810.9	886.7	960.9	1042.5	1043.0	1033.6	1083.8	1024.2
57.5°	793.1	792.6	815.0	855.3	941.0	1040.4	1135.0	1149.1	1119.3	1141.3	1068.1
60°	781.1	787.9	834.4	894.0	998.5	1139.7	1234.8	1256.8	1209.2	1180.5	1101.0
62.5°	706.3	722.0	772.7	867.8	1047.2	1284.0	1372.3	1362.4	1256.3	1213.9	1141.3
65°	508.2	523.8	586.6	729.3	990.7	1385.9	1553.2	1508.3	1339.9	1263.6	1195.1
67.5°	299.0	305.3	344.5	465.3	740.8	1330.5	1772.8	1776.5	1504.6	1339.9	1288.2
70°	215.9	220.6	235.8	274.5	410.4	1043.0	1895.1	1990.3	1733.1	1427.8	1239.0
72.5°	165.7	165.7	191.3	228.5	261.4	624.7	1744.1	1934.9	1782.7	1343.6	998.5
75°	119.2	122.3	150.0	196.6	241.0	313.7	1285.0	1535.5	1510.9	1089.0	697.4
77.5°	68.5	70.1	105.6	164.7	226.4	215.4	794.1	1040.9	1070.2	681.7	302.2
80°	35.0	36.1	59.1	130.2	204.9	187.7	473.7	685.4	581.4	198.1	70.1
82.5°	17.3	17.3	26.7	83.1	174.1	166.2	278.7	378.5	206.0	45.5	29.3
85°	5.8	6.3	12.0	47.1	126.0	100.4	170.4	179.8	69.0	17.3	16.2
87.5°	1.6	2.1	3.1	17.3	54.9	65.9	101.4	115.0	28.2	6.8	7.8
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°	692.2	692.2	692.2	692.2	692.2	692.2	692.2	692.2	692.2	692.2	692.2
2.5°	681.2	677.5	673.4	662.9	654.5	643.6	636.2	630.5	619.5	621.6	616.9
5°	674.4	667.6	643.6	620.6	599.6	567.8	545.8	531.7	520.2	508.7	517.0
7.5°	662.4	646.2	608.5	565.7	521.2	479.4	437.6	412.5	394.2	377.5	376.9
10°	642.0	615.9	556.8	500.8	432.4	377.5	324.1	282.3	255.1	235.3	234.7
12.5°	619.0	591.8	517.6	426.6	347.7	270.3	206.5	162.1	136.5	120.8	118.7
15°	604.4	564.6	468.4	360.7	263.0	176.2	114.5	86.8	76.9	73.2	73.2
17.5°	585.5	540.0	419.8	292.2	182.5	101.9	74.2	66.9	66.4	65.3	64.3
20°	577.7	521.2	376.4	233.2	115.5	72.1	63.8	62.2	62.2	61.2	60.1
22.5°	556.8	494.0	330.4	171.0	76.9	63.3	60.1	58.0	57.0	55.9	57.0
25°	547.4	474.7	287.0	118.2	62.7	56.5	54.9	52.8	51.2	50.7	50.7
27.5°	541.1	455.4	244.7	82.1	55.4	51.8	48.6	47.1	45.0	42.9	42.9
30°	536.4	440.2	203.9	60.6	49.7	46.0	43.4	39.7	37.1	35.0	35.0
32.5°	530.1	422.4	163.1	51.8	45.0	41.3	36.6	33.5	29.8	28.2	28.2
35°	532.2	410.4	128.1	46.0	40.3	35.6	31.4	27.2	23.5	22.0	21.4
37.5°	536.4	401.5	97.2	41.3	36.1	30.8	26.1	21.4	19.3	17.3	17.3
40°	554.2	398.9	71.6	38.2	32.9	27.2	22.0	17.8	15.7	14.1	13.6
42.5°	584.0	402.6	55.4	34.5	29.8	23.0	18.3	14.6	12.5	11.0	10.5
45°	622.1	416.7	45.5	32.4	26.1	19.3	14.6	12.0	9.4	8.4	8.4
47.5°	677.5	438.6	39.7	29.8	23.0	16.2	12.5	9.4	7.3	6.3	6.3
50°	740.3	463.7	35.0	26.7	19.9	13.6	9.9	7.3	5.2	4.7	4.7
52.5°	803.0	495.6	32.4	24.6	17.3	11.0	7.8	5.2	3.7	3.1	3.1
55°	868.9	523.8	29.3	23.0	14.1	8.9	5.8	3.1	2.1	1.6	1.6
57.5°	914.9	534.8	25.6	19.9	11.0	6.8	4.2	2.1	1.0	0.5	0.5
60°	947.8	536.4	22.0	16.2	8.4	5.2	2.6	1.0	0.5	0.0	0.0
62.5°	975.5	539.5	18.8	12.5	6.3	3.7	1.6	0.5	0.0	0.0	0.0
65°	1030.4	536.9	15.2	9.9	4.2	2.1	1.0	0.0	0.0	0.0	0.0
67.5°	1073.8	510.8	12.0	6.8	2.6	1.0	0.5	0.0	0.0	0.0	0.0
70°	949.9	389.5	9.4	4.7	1.6	0.5	0.0	0.0	0.0	0.0	0.0
72.5°	746.0	259.8	6.3	2.6	1.0	0.5	0.0	0.0	0.0	0.0	0.0
75°	489.3	129.1	4.7	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	190.3	34.0	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	46.0	11.5	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	19.9	4.2	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	12.0	2.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.3	1.0	0.5	0.5	0.0	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)