

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: P676818

Luminaire Tested: **CCW-SA-1B-727-U-SL2-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676818  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1B-727-U-SL2-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/  
SL2 distribution lens and House Side Shield  
Light Source: (16) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

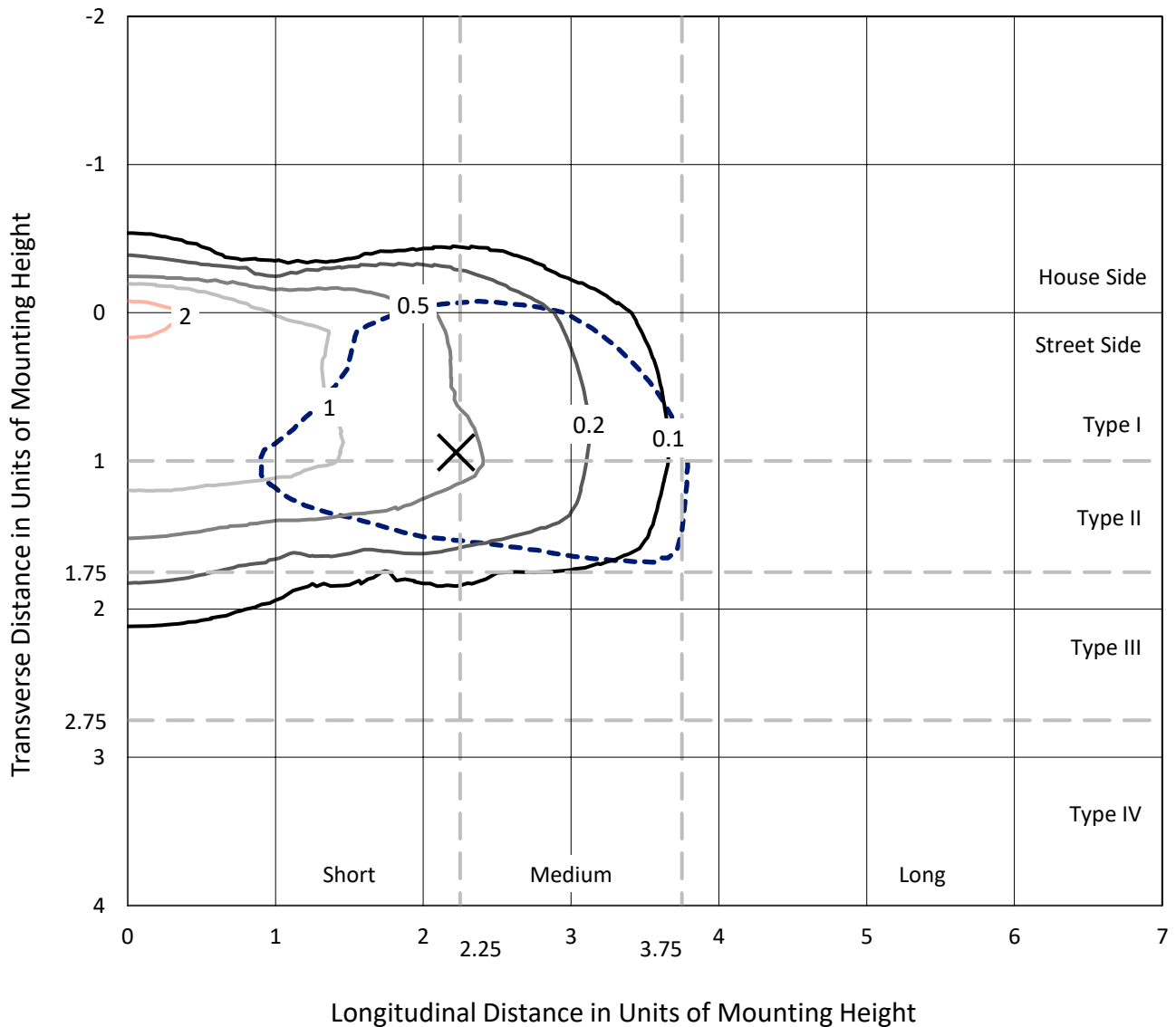
Lumens per Lamp: N/A  
Luminaire Lumens: 2322.6 lumens  
Efficiency: N/A  
Efficacy: 96.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G1

Input Watts (W): 24  
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

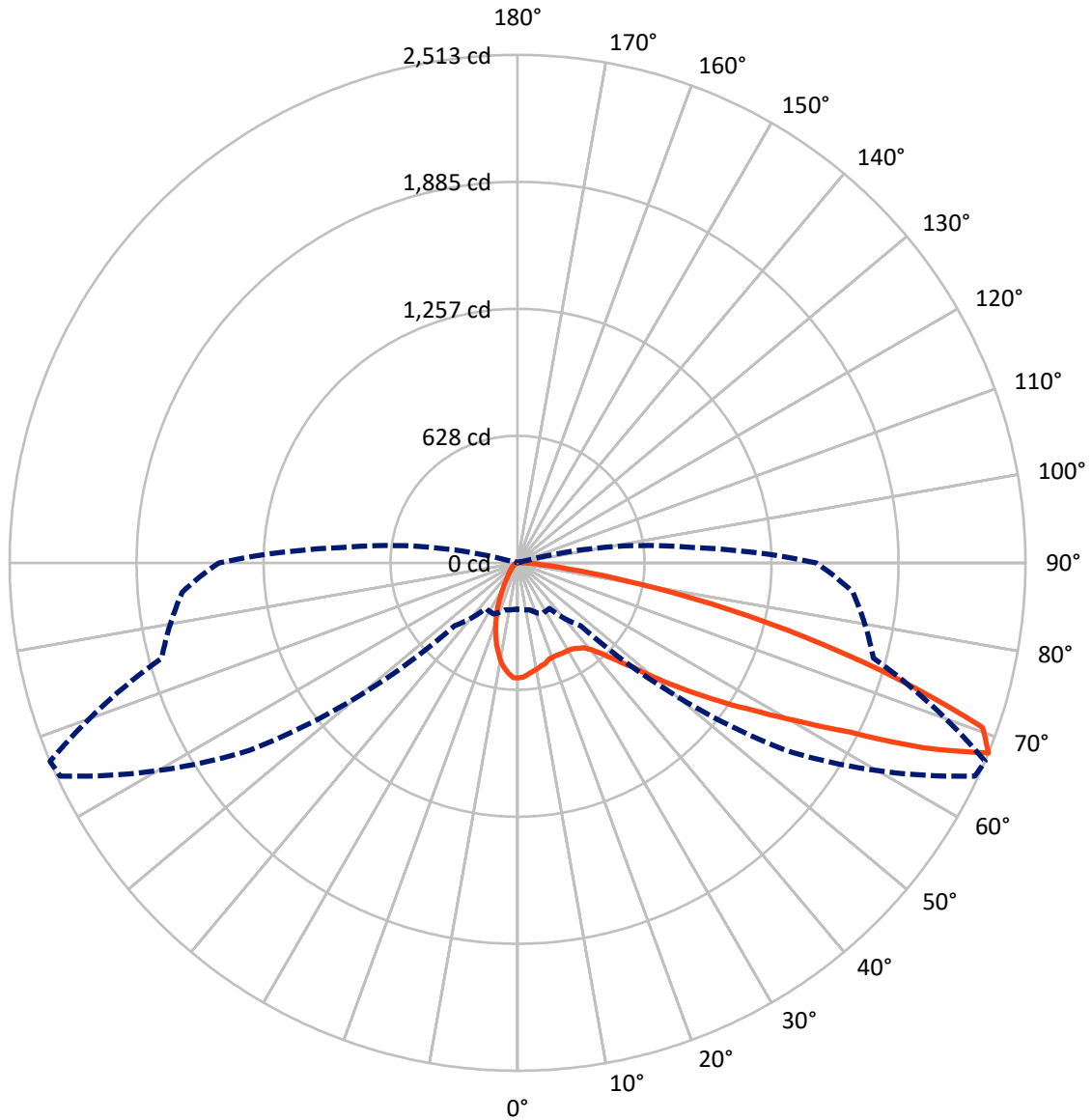
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 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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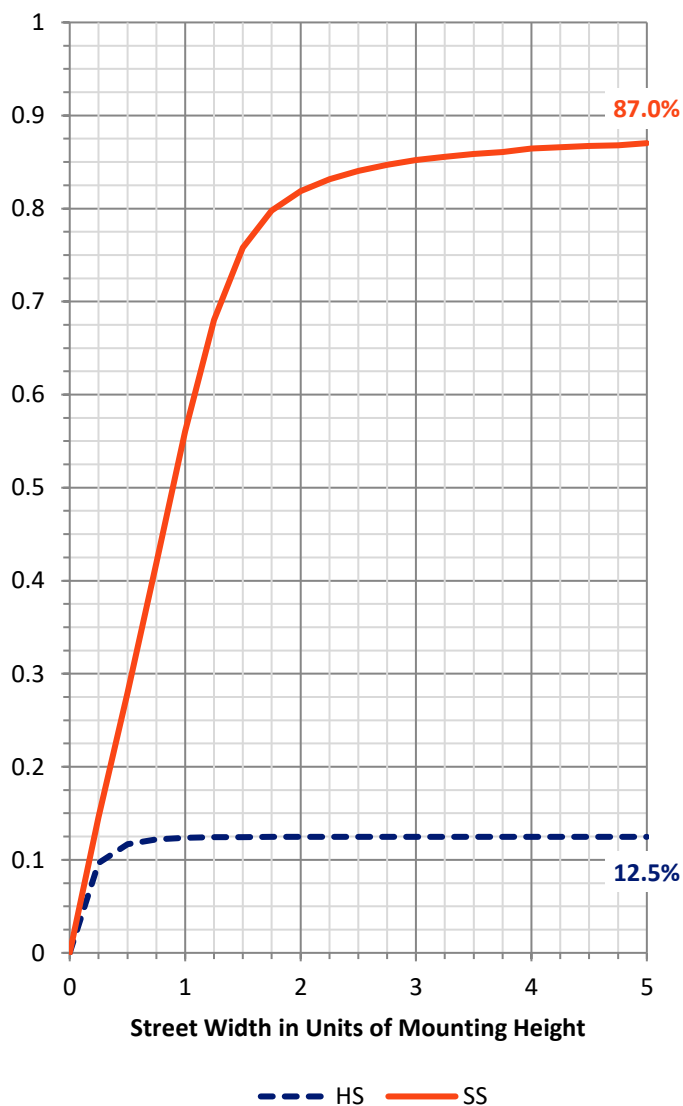
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	292.3	0.0	292.3
	% Fixture	12.6	0.0	12.6
<b>Street Side</b>	Lumens	2030.3	0.0	2030.3
	% Fixture	87.4	0.0	87.4
<b>Total</b>	Lumens	2322.6	0.0	2322.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.0	2.1
10°-20°	106.6	4.6
20°-30°	151.6	6.5
30°-40°	220.8	9.5
40°-50°	341.7	14.7
50°-60°	524.4	22.6
60°-70°	568.5	24.5
70°-80°	320.7	13.8
80°-90°	40.3	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°	2322.6	100.0
0°-180°	2322.6	100.0

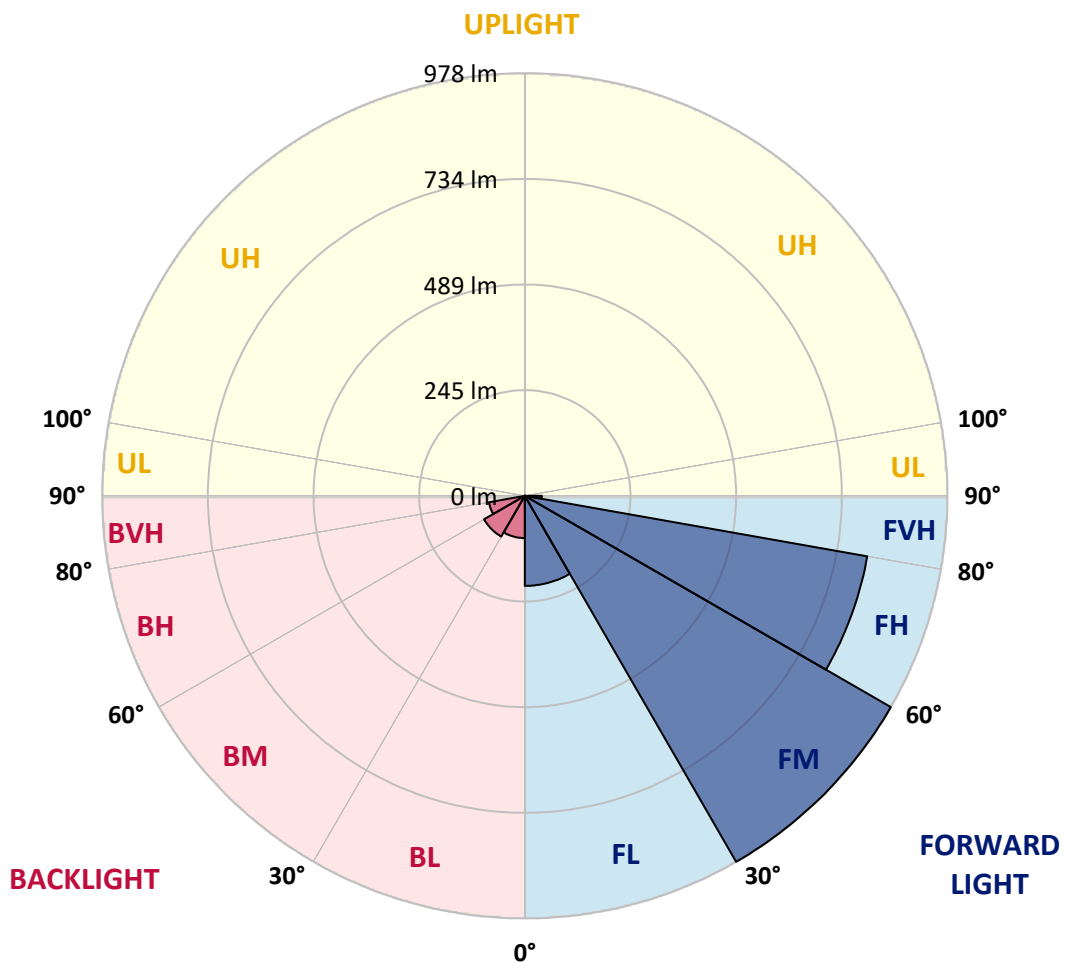


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	208.4	9.0			
FM (30°-60°)	978.0	42.1			
FH (60°-80°)	804.7	34.6			G1/1800
FVH (80°-90°)	39.1	1.7			G1/100
BL (0°-30°)	97.8	4.2	B0/110		
BM (30°-60°)	108.9	4.7	B0/220		
BH (60°-80°)	84.4	3.6	B0/110		G0/110
BVH (80°-90°)	1.2	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°	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7
2.5°	545.1	547.9	551.8	557.4	561.3	559.1	560.7	570.3	565.2	569.7	567.5
5°	514.8	517.6	523.2	522.7	527.2	535.6	546.7	559.1	553.5	566.9	571.9
7.5°	483.5	482.4	482.4	494.1	503.7	515.4	521.6	541.7	542.3	554.0	566.3
10°	455.0	458.3	463.9	468.4	477.4	494.1	512.1	527.7	533.9	557.4	560.7
12.5°	437.6	439.3	446.0	449.9	461.7	477.9	496.9	517.1	522.1	546.2	562.4
15°	430.3	434.3	436.5	443.8	449.9	465.0	479.0	502.0	516.5	535.6	555.7
17.5°	435.9	434.3	435.4	437.6	444.9	458.3	473.4	496.4	501.4	533.3	563.5
20°	443.2	443.8	440.4	439.3	437.6	450.5	462.8	492.5	498.1	533.3	568.6
22.5°	462.8	456.6	462.8	453.9	444.9	450.5	462.2	493.0	496.9	532.8	573.6
25°	486.9	488.0	489.7	470.6	457.8	453.9	466.2	494.7	498.1	537.2	575.8
27.5°	521.0	526.0	517.6	508.1	482.4	462.8	465.6	493.6	499.7	535.0	581.4
30°	566.9	563.0	564.1	542.3	517.1	486.3	478.5	496.4	500.9	537.8	592.1
32.5°	606.6	602.1	610.0	602.1	562.4	519.9	493.6	502.0	507.0	544.5	601.0
35°	631.2	636.8	649.2	657.6	624.0	563.5	518.8	517.1	519.3	547.9	607.7
37.5°	669.3	679.4	689.5	710.7	681.6	617.3	558.5	536.7	532.8	564.1	611.1
40°	710.7	707.9	737.6	762.8	761.6	692.8	613.9	571.4	565.8	589.8	633.5
42.5°	745.4	742.6	775.6	817.0	821.5	765.6	677.1	620.6	615.6	629.6	660.9
45°	790.7	793.0	832.2	881.4	897.6	861.8	762.8	691.1	688.3	683.9	713.0
47.5°	831.0	843.3	876.9	935.1	993.9	961.4	863.5	794.1	774.5	764.4	793.5
50°	859.0	870.2	911.1	973.2	1080.6	1101.3	976.5	903.8	904.3	879.7	895.4
52.5°	859.0	858.5	891.5	973.2	1141.1	1247.4	1127.6	1042.0	1046.5	1020.7	1021.9
55°	776.2	774.5	814.8	901.5	1134.3	1387.9	1356.5	1217.2	1206.0	1156.2	1161.2
57.5°	625.1	629.0	659.8	763.9	1047.0	1453.3	1629.0	1414.2	1376.1	1273.1	1273.1
60°	456.1	452.7	475.7	548.4	838.9	1428.7	1852.9	1646.4	1586.5	1369.9	1355.4
62.5°	347.0	346.4	352.6	377.2	532.2	1245.7	1949.2	1941.9	1844.5	1465.1	1444.4
65°	280.4	281.5	289.9	307.2	325.1	849.5	1898.2	2294.4	2205.5	1606.7	1539.0
67.5°	228.9	231.7	241.8	279.2	275.3	439.9	1616.7	2496.5	2513.2	1822.7	1666.0
70°	176.3	180.8	192.5	245.7	265.3	292.7	1120.9	2395.7	2440.5	1957.0	1589.3
72.5°	119.8	119.2	144.4	199.2	268.1	268.1	624.0	1929.6	1972.1	1804.2	1380.6
75°	64.9	68.8	95.7	150.5	245.7	259.1	355.4	1411.9	1471.8	1403.0	1067.8
77.5°	35.3	35.8	53.2	98.5	204.3	247.4	237.3	960.3	983.8	846.1	584.8
80°	18.5	19.0	28.0	64.4	141.0	229.4	197.5	572.5	550.1	324.6	193.1
82.5°	8.4	9.0	14.0	40.3	90.1	180.8	170.7	276.5	255.2	90.7	58.8
85°	3.4	3.4	6.2	24.1	52.6	89.0	146.1	138.8	115.8	27.4	29.1
87.5°	1.1	1.1	1.7	9.5	21.3	53.2	77.8	73.3	50.4	10.1	15.7
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°	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7
2.5°	565.2	571.4	569.7	568.6	557.9	556.8	555.7	545.6	549.0	540.6	546.2
5°	568.6	571.9	563.0	546.2	531.1	514.3	501.4	492.5	476.2	470.1	469.0
7.5°	565.2	565.2	546.7	519.9	490.2	462.8	428.1	403.5	385.0	371.0	376.1
10°	560.7	554.0	535.0	487.4	433.7	392.3	342.5	306.1	278.7	269.7	264.1
12.5°	560.7	549.0	506.5	441.5	372.1	309.5	250.1	202.6	176.3	160.6	158.4
15°	555.7	538.4	485.7	398.4	312.3	227.2	159.5	118.6	96.3	90.1	87.9
17.5°	556.8	536.1	455.0	347.5	242.3	151.1	97.4	75.0	69.4	66.6	67.2
20°	559.1	536.1	427.5	297.7	174.6	94.0	67.2	63.2	60.4	59.3	59.9
22.5°	566.3	525.5	399.6	246.8	118.1	67.7	59.3	55.4	53.2	51.5	50.9
25°	567.5	523.8	372.7	196.4	81.1	57.1	52.0	47.6	44.8	42.5	42.0
27.5°	565.8	516.5	335.2	146.1	61.0	50.9	44.2	39.7	35.8	34.1	33.6
30°	571.9	503.1	303.3	105.2	51.5	44.2	37.5	32.5	29.1	26.9	26.9
32.5°	572.5	491.3	268.1	75.0	47.0	39.2	31.9	26.3	22.9	21.8	21.8
35°	573.0	480.7	228.9	57.1	42.0	33.6	26.3	21.8	19.6	17.9	17.9
37.5°	574.7	472.9	193.1	48.1	37.5	28.5	21.8	17.9	15.7	15.1	15.1
40°	578.1	462.2	155.6	42.5	32.5	24.1	18.5	15.1	12.9	12.3	11.8
42.5°	587.0	459.4	124.2	38.1	29.1	20.1	15.1	12.3	10.6	9.5	9.0
45°	624.0	466.7	96.3	35.3	24.6	16.8	12.9	10.1	7.8	7.3	6.7
47.5°	684.4	490.8	76.1	31.3	20.7	14.0	10.6	7.8	6.2	5.6	5.0
50°	776.2	545.6	62.1	28.0	17.3	11.8	8.4	6.2	4.5	3.9	3.9
52.5°	896.5	619.5	53.7	24.6	14.0	10.1	6.7	4.5	3.4	2.8	2.8
55°	1019.6	706.8	50.4	21.3	11.8	8.4	5.0	3.4	2.2	1.7	1.7
57.5°	1132.7	763.3	48.7	17.3	10.1	6.2	3.9	2.2	1.1	0.6	0.6
60°	1203.2	804.7	43.7	14.0	7.8	5.0	2.8	1.1	0.6	0.0	0.0
62.5°	1296.1	846.7	35.8	10.6	5.6	3.4	1.7	0.6	0.0	0.0	0.0
65°	1418.6	893.7	28.0	8.4	4.5	2.2	1.1	0.6	0.0	0.0	0.0
67.5°	1477.4	869.1	19.0	6.2	2.8	1.1	0.6	0.0	0.0	0.0	0.0
70°	1359.9	732.0	13.4	4.5	1.7	0.6	0.6	0.0	0.0	0.0	0.0
72.5°	1143.3	573.6	10.1	2.8	1.1	0.6	0.0	0.0	0.0	0.0	0.0
75°	842.8	358.7	7.8	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	447.1	133.7	5.6	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	132.1	39.2	3.9	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	43.7	11.8	2.2	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	22.4	4.5	1.1	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.9	1.7	1.1	1.1	0.6	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)