

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: P676386

Luminaire Tested: **CCW-SA-1B-727-U-T3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676386  
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-T3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/  
T3 distribution lens and House Side Shield  
Light Source: (16) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

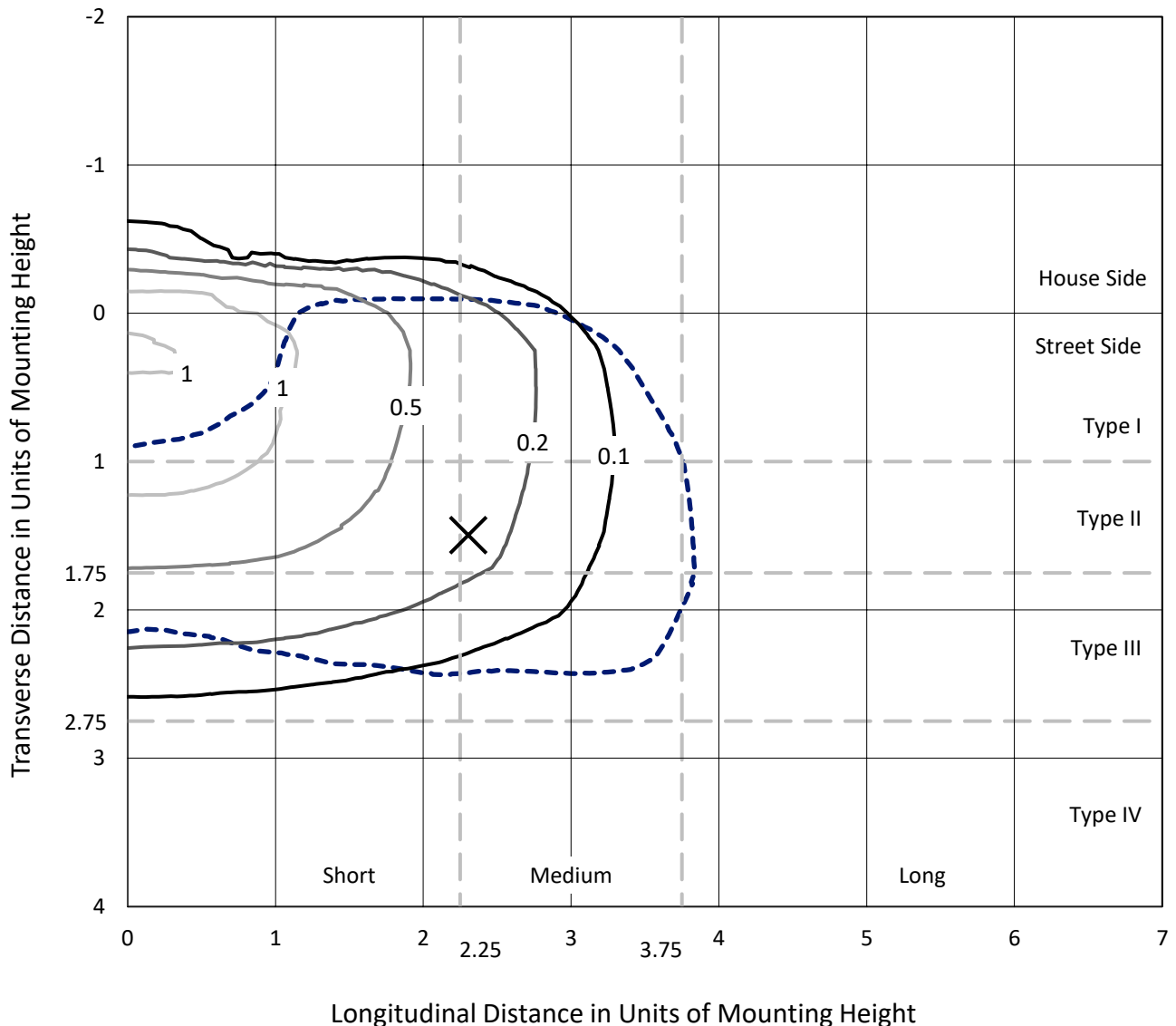
Lumens per Lamp: N/A  
Luminaire Lumens: 2080.7 lumens  
Efficiency: N/A  
Efficacy: 86.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G1

Input Watts (W): 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

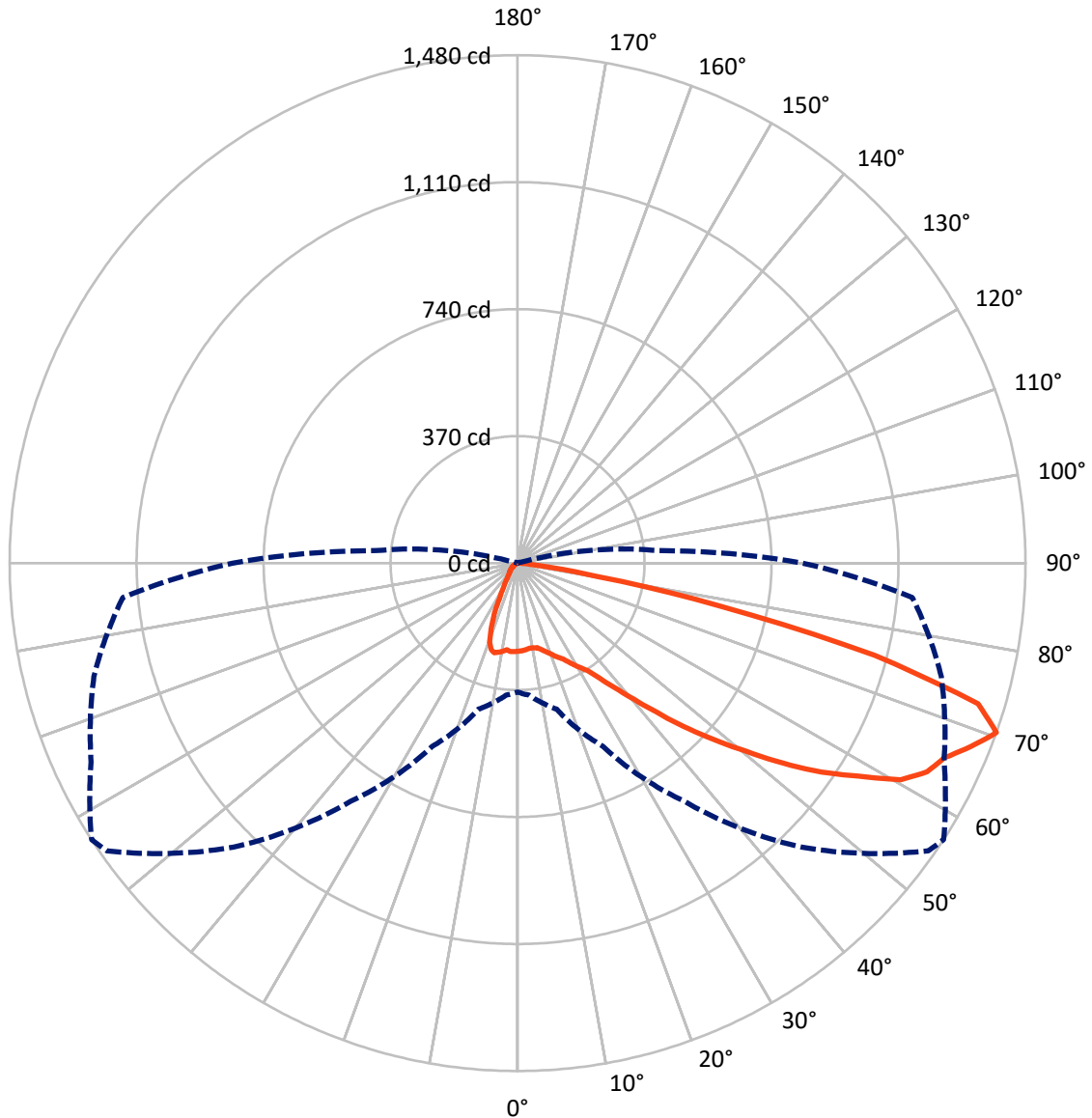
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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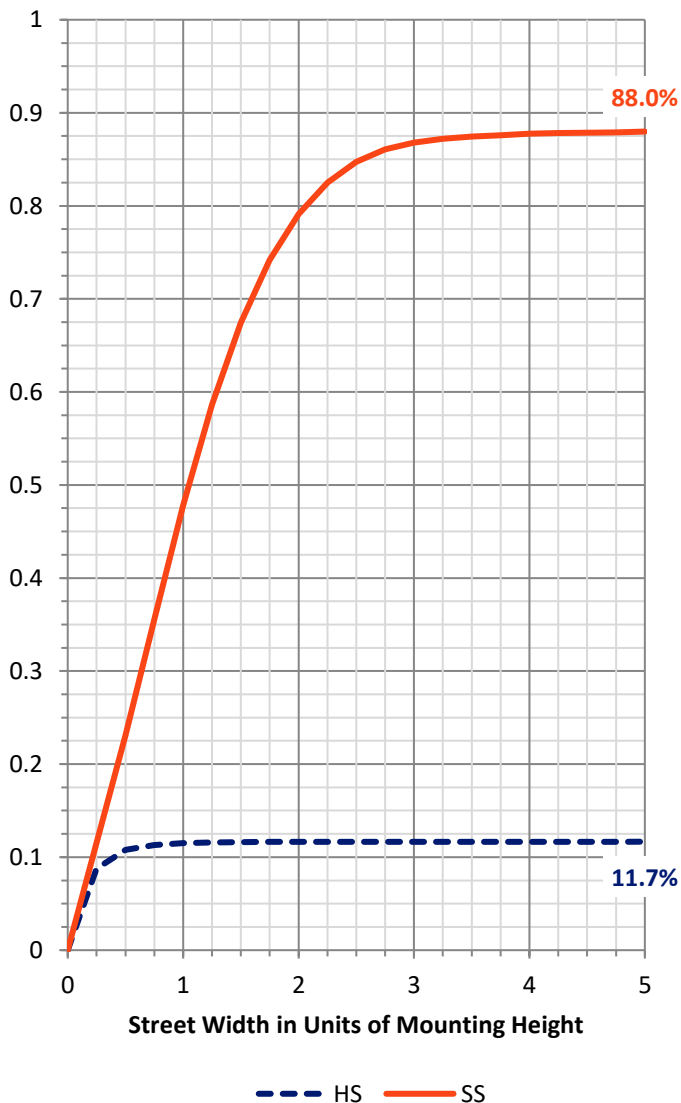
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	245.3	0.0	245.3
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	1835.5	0.0	1835.5
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	2080.7	0.0	2080.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.0	1.2
10°-20°	67.1	3.2
20°-30°	113.0	5.4
30°-40°	193.4	9.3
40°-50°	324.7	15.6
50°-60°	498.4	24.0
60°-70°	575.4	27.7
70°-80°	271.8	13.1
80°-90°	12.9	0.6
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°	2080.7	100.0
0°-180°	2080.7	100.0

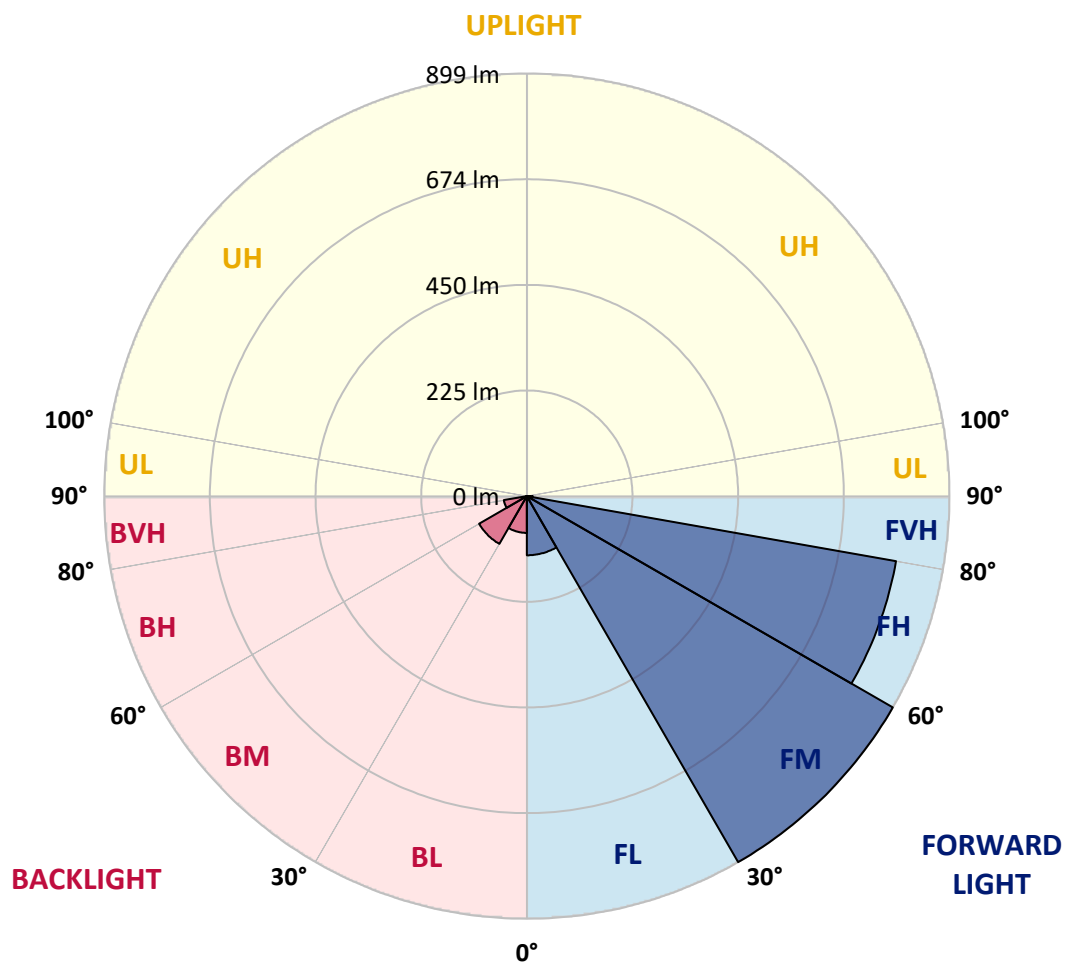


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	125.9	6.0			
FM (30°-60°)	899.3	43.2			
FH (60°-80°)	797.7	38.3			G1/1800
FVH (80°-90°)	12.7	0.6			G1/100
BL (0°-30°)	78.2	3.8	B0/110		
BM (30°-60°)	117.2	5.6	B0/220		
BH (60°-80°)	49.6	2.4	B0/110		G0/110
BVH (80°-90°)	0.2	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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	256.7	256.7	256.7	256.7	256.7	256.7	256.7	256.7	256.7	256.7	256.7
2.5°	253.0	251.4	253.0	255.1	253.0	254.6	254.1	255.7	253.5	253.5	255.1
5°	236.5	239.2	240.3	242.9	245.6	250.4	253.5	253.5	256.7	258.3	260.5
7.5°	230.7	226.4	230.7	232.8	235.5	243.4	248.2	250.4	254.6	260.5	263.6
10°	222.2	225.4	225.4	232.3	236.0	240.8	249.3	250.9	260.5	266.3	269.5
12.5°	221.7	221.7	224.3	229.1	236.5	245.6	256.2	253.0	263.1	273.7	279.1
15°	223.2	227.0	227.0	233.3	239.2	252.0	261.0	261.5	275.9	286.5	291.3
17.5°	230.2	228.6	230.7	234.4	243.4	255.7	270.6	272.1	288.6	303.0	309.9
20°	244.5	247.2	244.0	241.9	245.6	261.5	280.7	283.8	302.4	316.3	323.2
22.5°	298.2	296.1	283.3	268.4	262.0	269.5	290.2	297.7	319.5	335.9	341.8
25°	358.8	355.1	340.2	317.9	288.6	285.4	309.4	309.4	340.7	358.8	357.2
27.5°	416.2	415.1	397.6	374.2	332.7	309.9	324.8	330.6	364.6	379.5	372.6
30°	474.7	475.7	459.8	431.6	388.0	349.2	346.6	351.3	382.7	406.1	391.7
32.5°	542.7	533.1	522.0	483.2	443.3	399.7	374.7	372.6	402.9	424.2	405.0
35°	603.3	597.5	585.2	550.1	504.4	452.3	417.3	411.9	428.4	456.6	435.9
37.5°	656.5	650.6	634.7	611.3	575.7	517.7	468.3	460.3	467.2	497.0	472.0
40°	702.2	703.8	699.5	676.7	643.7	591.1	534.2	521.4	515.6	542.2	514.0
42.5°	735.1	750.5	751.6	723.4	696.9	668.1	604.4	594.3	580.4	602.8	583.1
45°	804.2	795.7	801.0	790.9	761.7	757.4	685.2	679.3	660.2	667.6	646.9
47.5°	858.4	856.8	866.9	850.5	842.5	843.0	777.1	767.0	739.9	753.7	730.3
50°	889.8	881.3	918.0	930.7	929.1	935.5	870.1	861.6	835.6	855.8	805.8
52.5°	897.2	912.7	947.2	993.5	1013.1	1026.4	971.7	968.5	940.3	953.1	884.0
55°	915.8	930.7	950.9	1026.9	1099.8	1102.9	1071.6	1074.8	1049.8	1046.6	958.4
57.5°	915.3	912.1	967.9	1056.2	1157.2	1202.9	1185.9	1170.5	1143.3	1112.0	1006.2
60°	881.8	880.2	938.2	1059.9	1188.5	1293.2	1300.2	1282.1	1214.0	1167.8	1062.6
62.5°	815.4	821.8	880.2	1028.0	1218.3	1325.7	1351.2	1339.0	1254.4	1205.0	1129.0
65°	739.4	726.1	794.1	948.3	1151.3	1316.1	1371.4	1367.1	1302.3	1245.4	1190.1
67.5°	593.2	599.0	651.1	815.9	1037.0	1281.0	1418.7	1425.1	1340.5	1281.0	1208.7
70°	375.8	386.4	440.6	589.5	846.7	1170.5	1461.2	1479.8	1370.8	1277.8	1154.5
72.5°	109.5	113.7	187.6	293.9	539.5	938.7	1393.2	1402.7	1311.8	1159.8	893.0
75°	36.1	38.3	55.3	95.7	211.6	485.3	1029.1	1074.2	1043.9	840.9	510.8
77.5°	23.9	25.0	30.3	45.7	80.3	152.0	551.7	600.1	588.4	393.9	164.8
80°	17.5	18.1	22.3	30.8	48.9	54.7	203.6	235.5	227.5	90.4	33.0
82.5°	11.2	11.2	16.5	21.8	30.8	27.1	59.0	65.4	63.8	34.6	12.8
85°	7.4	8.0	12.2	17.0	17.0	12.8	17.0	19.7	21.3	18.6	5.8
87.5°	2.1	2.7	6.9	11.7	6.9	6.4	5.8	6.4	7.4	10.1	3.2
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°	256.7	256.7	256.7	256.7	256.7	256.7	256.7	256.7	256.7	256.7	256.7
2.5°	256.7	258.9	258.3	259.4	257.8	256.2	257.8	257.8	257.8	256.2	255.1
5°	258.9	257.8	258.9	256.7	258.9	256.7	255.7	252.5	252.0	252.0	254.1
7.5°	262.0	263.1	258.3	258.3	253.5	254.6	252.0	252.5	251.4	249.8	248.8
10°	266.8	271.1	266.3	264.7	259.4	255.1	248.8	245.6	245.6	243.4	245.6
12.5°	280.1	278.5	275.9	270.6	264.2	255.7	240.3	224.8	212.1	202.5	207.3
15°	290.8	290.2	286.5	276.4	267.9	241.9	203.0	163.2	141.9	132.4	130.8
17.5°	307.2	305.6	299.3	286.0	257.8	200.4	139.3	105.8	85.0	80.3	78.7
20°	322.6	322.1	308.3	291.3	232.3	146.2	90.9	69.6	63.8	64.3	63.3
22.5°	339.1	336.5	320.0	284.9	185.0	97.3	64.8	62.2	60.1	59.5	60.6
25°	357.7	348.2	331.7	270.6	136.1	67.0	61.1	59.0	56.9	56.3	56.3
27.5°	365.2	358.8	337.0	236.0	86.1	58.5	57.4	54.7	52.1	50.5	50.0
30°	382.2	371.5	342.3	185.5	61.1	53.7	52.1	48.9	45.2	42.5	42.5
32.5°	399.2	386.4	342.8	129.7	51.0	48.4	45.7	41.5	36.7	34.0	34.6
35°	420.4	402.9	337.0	84.0	45.7	42.5	37.2	32.4	28.2	26.0	26.0
37.5°	456.6	440.1	313.1	55.3	41.5	36.1	30.8	25.5	21.8	20.2	20.2
40°	502.3	481.0	280.1	43.6	36.7	30.8	24.5	19.7	17.5	15.9	15.9
42.5°	557.1	530.5	231.2	38.8	32.4	25.5	19.1	15.4	13.3	13.3	12.8
45°	611.8	568.2	181.3	35.6	28.7	21.3	14.9	12.2	11.2	10.6	10.6
47.5°	689.9	613.9	129.7	32.4	25.0	16.5	12.2	10.1	9.0	8.5	9.0
50°	764.9	657.0	92.0	29.2	20.7	13.3	10.1	9.0	8.0	7.4	7.4
52.5°	830.8	686.8	64.3	25.5	17.5	11.2	9.0	8.0	7.4	6.9	6.9
55°	866.9	676.7	44.1	21.8	14.4	9.6	8.0	6.9	6.4	5.8	5.8
57.5°	904.2	648.5	33.5	18.1	11.7	9.0	7.4	6.4	5.8	5.3	5.3
60°	935.5	627.8	26.0	14.4	9.6	7.4	6.4	5.3	4.8	4.3	3.7
62.5°	937.1	586.3	19.1	10.6	7.4	6.4	5.3	4.3	2.7	2.1	1.6
65°	943.5	542.7	13.8	8.0	5.3	4.8	3.7	2.1	1.1	0.0	0.0
67.5°	921.2	491.1	11.2	5.8	3.7	2.7	1.6	0.5	0.0	0.0	0.0
70°	830.3	414.6	8.5	4.3	2.7	1.6	0.5	0.0	0.0	0.0	0.0
72.5°	594.3	269.5	5.8	3.2	1.1	0.5	0.0	0.0	0.0	0.0	0.0
75°	316.8	114.8	4.3	2.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	99.4	29.2	2.7	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	21.8	8.0	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	7.4	3.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.7	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	0.5	0.5	0.0	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)