

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: P676380

Luminaire Tested: **CCW-SA-2A-722-U-T3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676380  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2A-722-U-T3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/  
T3 distribution lens and House Side Shield  
Light Source: (32) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

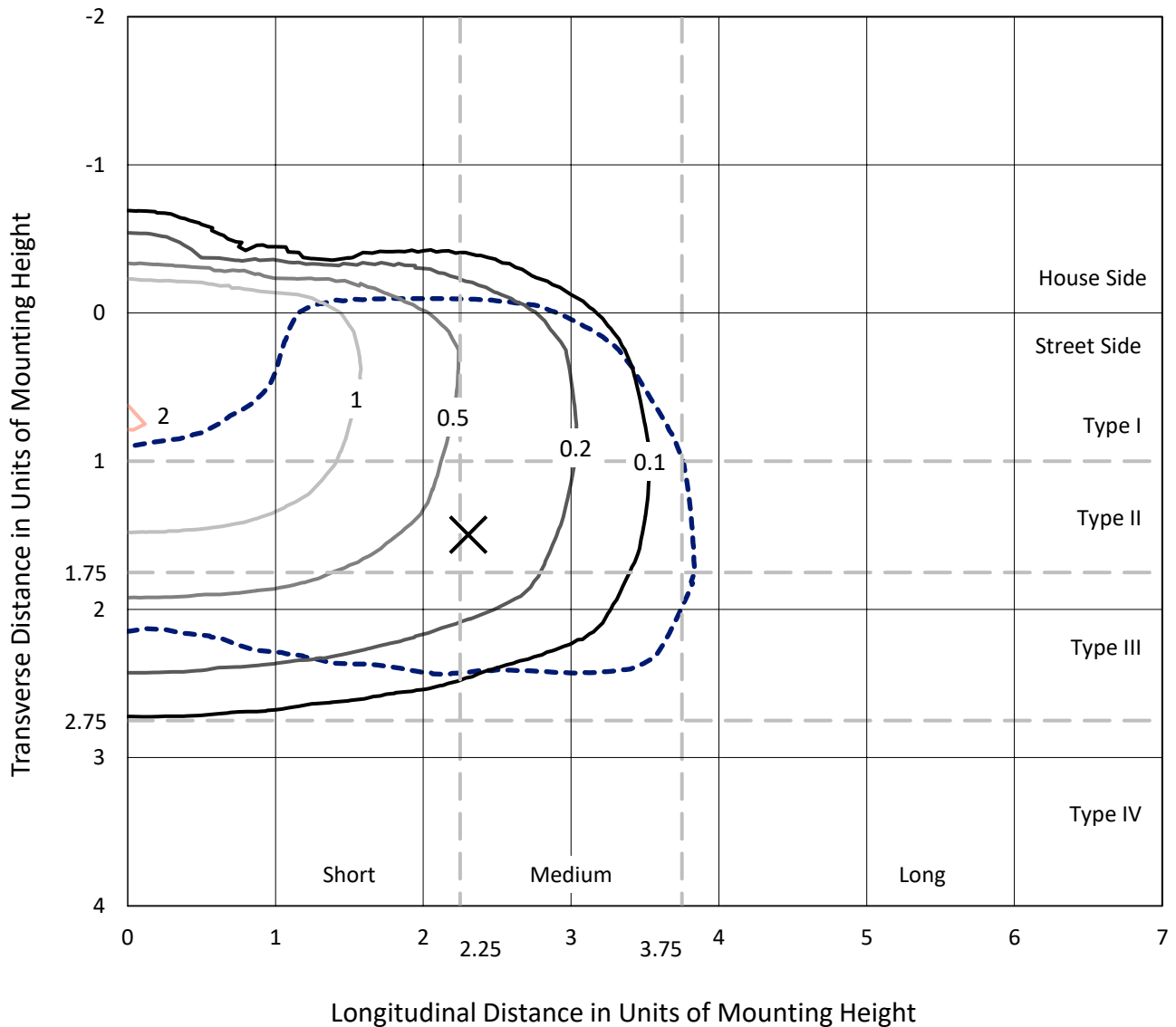
Lumens per Lamp: N/A  
Luminaire Lumens: 2903.5 lumens  
Efficiency: N/A  
Efficacy: 80.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G1

Input Watts (W): 36.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

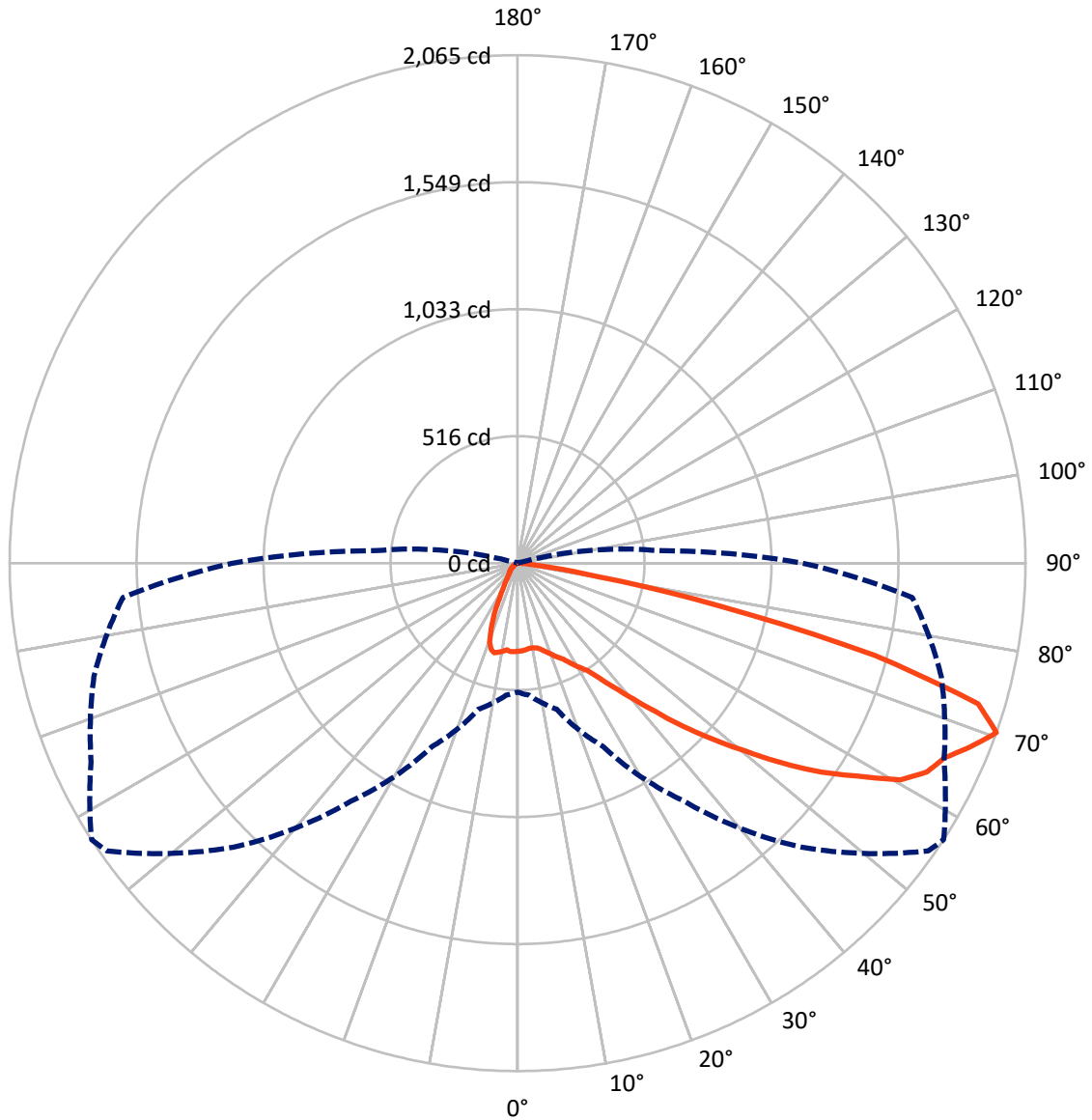
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2 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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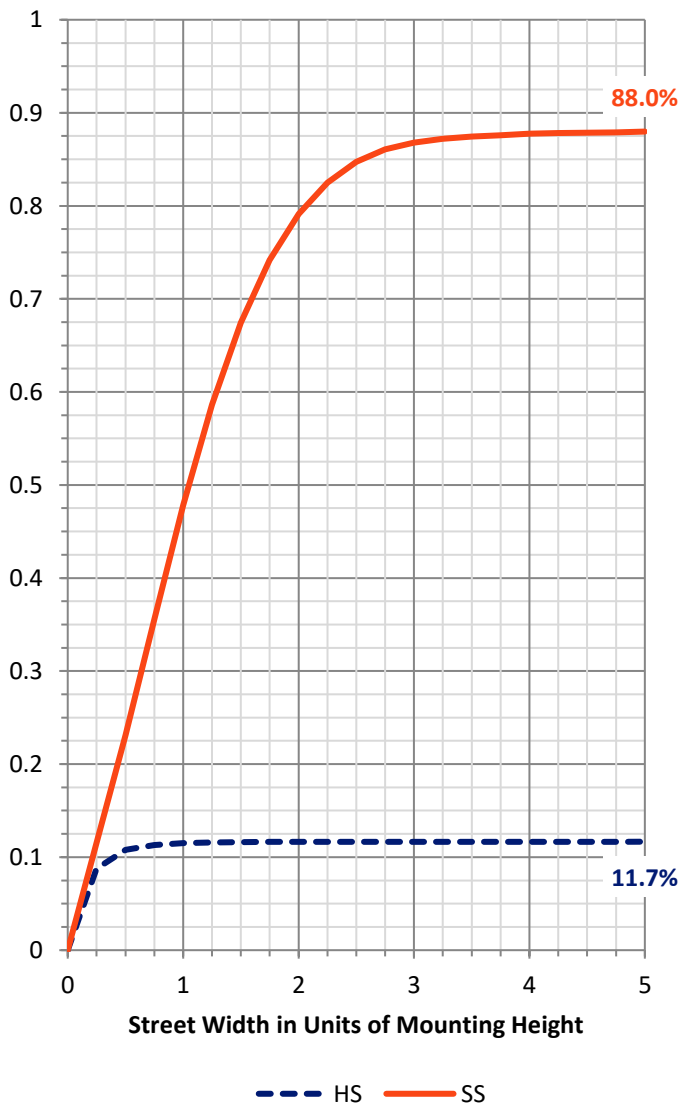
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	342.2	0.0	342.2
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	2561.3	0.0	2561.3
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	2903.5	0.0	2903.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.5	1.2
10°-20°	93.6	3.2
20°-30°	157.7	5.4
30°-40°	269.8	9.3
40°-50°	453.1	15.6
50°-60°	695.5	24.0
60°-70°	803.0	27.7
70°-80°	379.3	13.1
80°-90°	18.0	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°	2903.5	100.0
0°-180°	2903.5	100.0

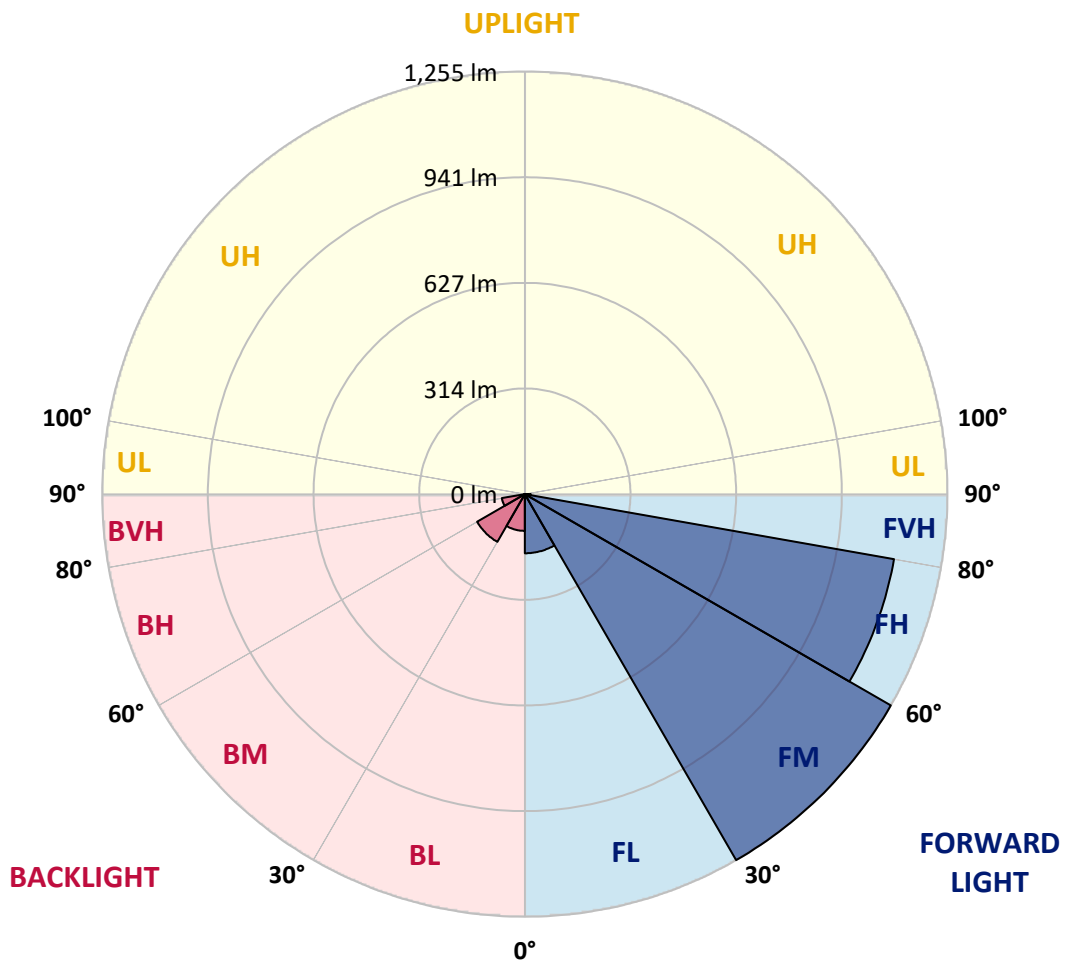


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.7	6.0			
FM (30°-60°)	1254.9	43.2			
FH (60°-80°)	1113.1	38.3			G1/1800
FVH (80°-90°)	17.7	0.6			G1/100
BL (0°-30°)	109.1	3.8	B0/110		
BM (30°-60°)	163.6	5.6	B0/220		
BH (60°-80°)	69.2	2.4	B0/110		G0/110
BVH (80°-90°)	0.3	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°	358.3	358.3	358.3	358.3	358.3	358.3	358.3	358.3	358.3	358.3	358.3
2.5°	353.1	350.8	353.1	356.0	353.1	355.3	354.6	356.8	353.8	353.8	356.0
5°	330.1	333.8	335.3	339.0	342.7	349.4	353.8	353.8	358.3	360.5	363.5
7.5°	321.9	316.0	321.9	324.9	328.6	339.7	346.4	349.4	355.3	363.5	367.9
10°	310.0	314.5	314.5	324.1	329.3	336.0	347.9	350.1	363.5	371.6	376.1
12.5°	309.3	309.3	313.0	319.7	330.1	342.7	357.5	353.1	367.2	382.0	389.4
15°	311.5	316.7	316.7	325.6	333.8	351.6	364.2	364.9	385.0	399.8	406.5
17.5°	321.2	318.9	321.9	327.1	339.7	356.8	377.5	379.8	402.8	422.8	432.4
20°	341.2	344.9	340.5	337.5	342.7	364.9	391.6	396.1	422.0	441.3	451.0
22.5°	416.1	413.1	395.3	374.6	365.7	376.1	405.0	415.4	445.8	468.8	476.9
25°	500.7	495.5	474.7	443.6	402.8	398.3	431.7	431.7	475.5	500.7	498.4
27.5°	580.8	579.3	554.8	522.2	464.3	432.4	453.2	461.4	508.8	529.6	520.0
30°	662.4	663.9	641.6	602.3	541.5	487.3	483.6	490.3	534.1	566.7	546.7
32.5°	757.3	744.0	728.4	674.2	618.6	557.8	522.9	520.0	562.2	591.9	565.2
35°	841.9	833.7	816.7	767.7	703.9	631.2	582.3	574.8	597.8	637.2	608.2
37.5°	916.0	907.9	885.6	853.0	803.3	722.5	653.5	642.3	652.0	693.5	658.7
40°	979.8	982.1	976.1	944.2	898.2	824.8	745.4	727.6	719.5	756.6	717.3
42.5°	1025.8	1047.3	1048.8	1009.5	972.4	932.4	843.4	829.3	810.0	841.1	813.7
45°	1122.3	1110.4	1117.8	1103.7	1062.9	1057.0	956.1	947.9	921.2	931.6	902.7
47.5°	1197.9	1195.7	1209.8	1186.8	1175.7	1176.4	1084.4	1070.3	1032.5	1051.8	1019.1
50°	1241.7	1229.8	1281.0	1298.8	1296.6	1305.5	1214.2	1202.4	1166.0	1194.2	1124.5
52.5°	1252.1	1273.6	1321.8	1386.3	1413.8	1432.3	1355.9	1351.4	1312.1	1329.9	1233.5
55°	1278.0	1298.8	1327.0	1433.0	1534.7	1539.1	1495.3	1499.8	1464.9	1460.5	1337.4
57.5°	1277.3	1272.8	1350.7	1473.8	1614.8	1678.6	1654.8	1633.3	1595.5	1551.7	1404.1
60°	1230.5	1228.3	1309.2	1479.0	1658.5	1804.7	1814.3	1789.1	1694.1	1629.6	1482.7
62.5°	1137.8	1146.7	1228.3	1434.5	1700.1	1849.9	1885.5	1868.4	1750.5	1681.5	1575.5
65°	1031.8	1013.2	1108.2	1323.3	1606.6	1836.5	1913.7	1907.8	1817.3	1737.9	1660.8
67.5°	827.8	835.9	908.6	1138.6	1447.1	1787.6	1979.7	1988.6	1870.7	1787.6	1686.7
70°	524.4	539.2	614.9	822.6	1181.6	1633.3	2039.0	2065.0	1912.9	1783.1	1611.1
72.5°	152.8	158.7	261.8	410.2	752.9	1309.9	1944.1	1957.4	1830.6	1618.5	1246.1
75°	50.4	53.4	77.1	133.5	295.2	677.2	1436.0	1499.1	1456.8	1173.4	712.8
77.5°	33.4	34.9	42.3	63.8	112.0	212.1	769.9	837.4	821.1	549.6	229.9
80°	24.5	25.2	31.2	43.0	68.2	76.4	284.1	328.6	317.5	126.1	46.0
82.5°	15.6	15.6	23.0	30.4	43.0	37.8	82.3	91.2	89.0	48.2	17.8
85°	10.4	11.1	17.1	23.7	23.7	17.8	23.7	27.4	29.7	26.0	8.2
87.5°	3.0	3.7	9.6	16.3	9.6	8.9	8.2	8.9	10.4	14.1	4.5
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°	358.3	358.3	358.3	358.3	358.3	358.3	358.3	358.3	358.3	358.3	358.3
2.5°	358.3	361.2	360.5	362.0	359.7	357.5	359.7	359.7	359.7	357.5	356.0
5°	361.2	359.7	361.2	358.3	361.2	358.3	356.8	352.3	351.6	351.6	354.6
7.5°	365.7	367.2	360.5	360.5	353.8	355.3	351.6	352.3	350.8	348.6	347.1
10°	372.4	378.3	371.6	369.4	362.0	356.0	347.1	342.7	342.7	339.7	342.7
12.5°	390.9	388.7	385.0	377.5	368.6	356.8	335.3	313.8	296.0	282.6	289.3
15°	405.7	405.0	399.8	385.7	373.8	337.5	283.3	227.7	198.0	184.7	182.5
17.5°	428.7	426.5	417.6	399.1	359.7	279.6	194.3	147.6	118.7	112.0	109.8
20°	450.2	449.5	430.2	406.5	324.1	204.0	126.8	97.2	89.0	89.8	88.3
22.5°	473.2	469.5	446.5	397.6	258.1	135.7	90.5	86.8	83.8	83.1	84.6
25°	499.2	485.8	462.8	377.5	189.9	93.5	85.3	82.3	79.4	78.6	78.6
27.5°	509.6	500.7	470.3	329.3	120.2	81.6	80.1	76.4	72.7	70.5	69.7
30°	533.3	518.5	477.7	258.9	85.3	74.9	72.7	68.2	63.0	59.3	59.3
32.5°	557.0	539.2	478.4	181.0	71.2	67.5	63.8	57.9	51.2	47.5	48.2
35°	586.7	562.2	470.3	117.2	63.8	59.3	51.9	45.2	39.3	36.3	36.3
37.5°	637.2	614.2	436.9	77.1	57.9	50.4	43.0	35.6	30.4	28.2	28.2
40°	700.9	671.3	390.9	60.8	51.2	43.0	34.1	27.4	24.5	22.3	22.3
42.5°	777.3	740.3	322.7	54.1	45.2	35.6	26.7	21.5	18.5	18.5	17.8
45°	853.7	792.9	252.9	49.7	40.1	29.7	20.8	17.1	15.6	14.8	14.8
47.5°	962.8	856.7	181.0	45.2	34.9	23.0	17.1	14.1	12.6	11.9	12.6
50°	1067.4	916.8	128.3	40.8	28.9	18.5	14.1	12.6	11.1	10.4	10.4
52.5°	1159.3	958.3	89.8	35.6	24.5	15.6	12.6	11.1	10.4	9.6	9.6
55°	1209.8	944.2	61.6	30.4	20.0	13.4	11.1	9.6	8.9	8.2	8.2
57.5°	1261.7	904.9	46.7	25.2	16.3	12.6	10.4	8.9	8.2	7.4	7.4
60°	1305.5	876.0	36.3	20.0	13.4	10.4	8.9	7.4	6.7	5.9	5.2
62.5°	1307.7	818.1	26.7	14.8	10.4	8.9	7.4	5.9	3.7	3.0	2.2
65°	1316.6	757.3	19.3	11.1	7.4	6.7	5.2	3.0	1.5	0.0	0.0
67.5°	1285.4	685.4	15.6	8.2	5.2	3.7	2.2	0.7	0.0	0.0	0.0
70°	1158.6	578.6	11.9	5.9	3.7	2.2	0.7	0.0	0.0	0.0	0.0
72.5°	829.3	376.1	8.2	4.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0
75°	442.1	160.2	5.9	3.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	138.7	40.8	3.7	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	30.4	11.1	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	10.4	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.7	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	0.7	0.7	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)