

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: P676381

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

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676381  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2B-722-U-T3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/  
T3 distribution lens and House Side Shield  
Light Source: (32) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

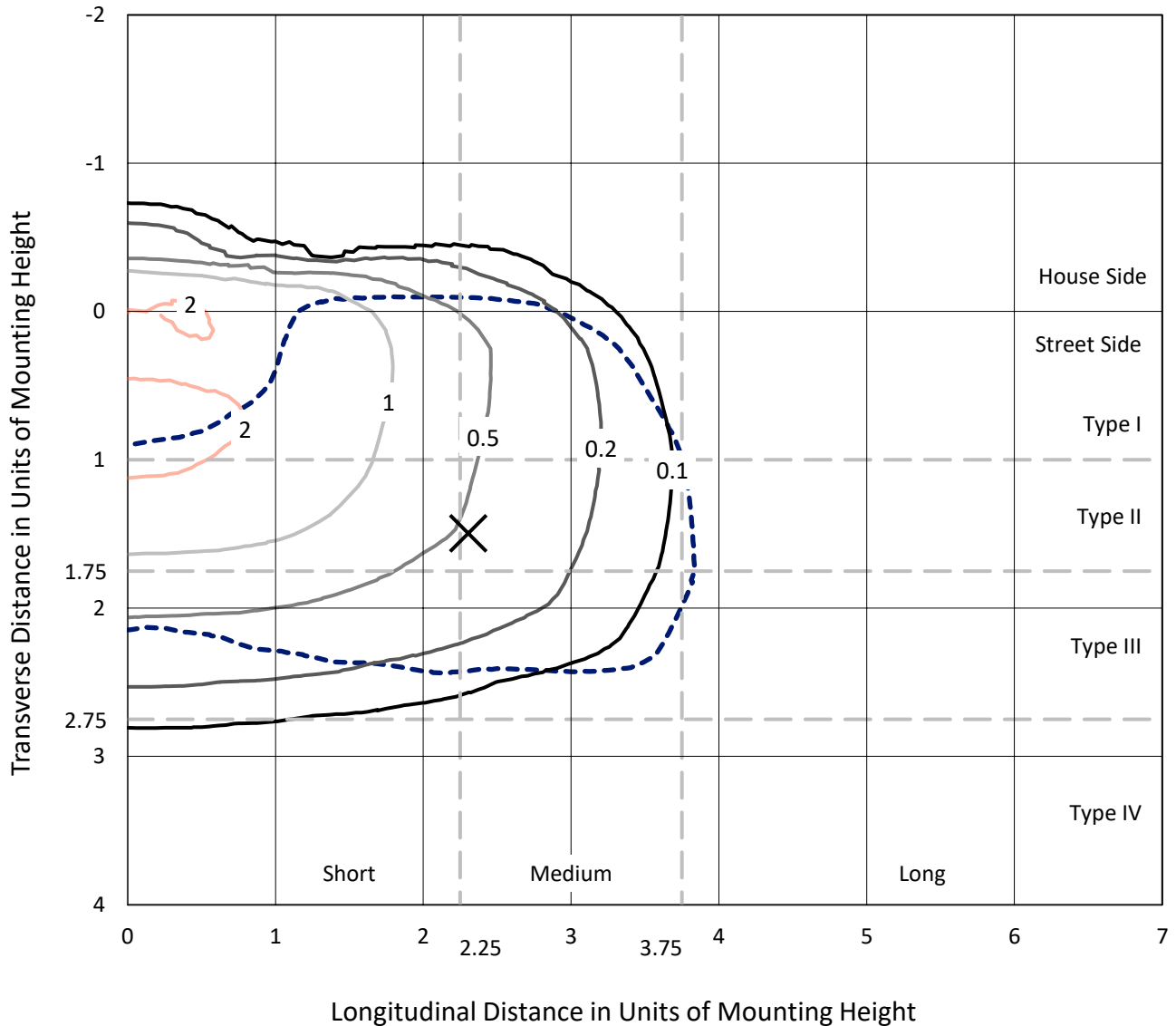
Lumens per Lamp: N/A  
Luminaire Lumens: 3664.8 lumens  
Efficiency: N/A  
Efficacy: 79.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 46  
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

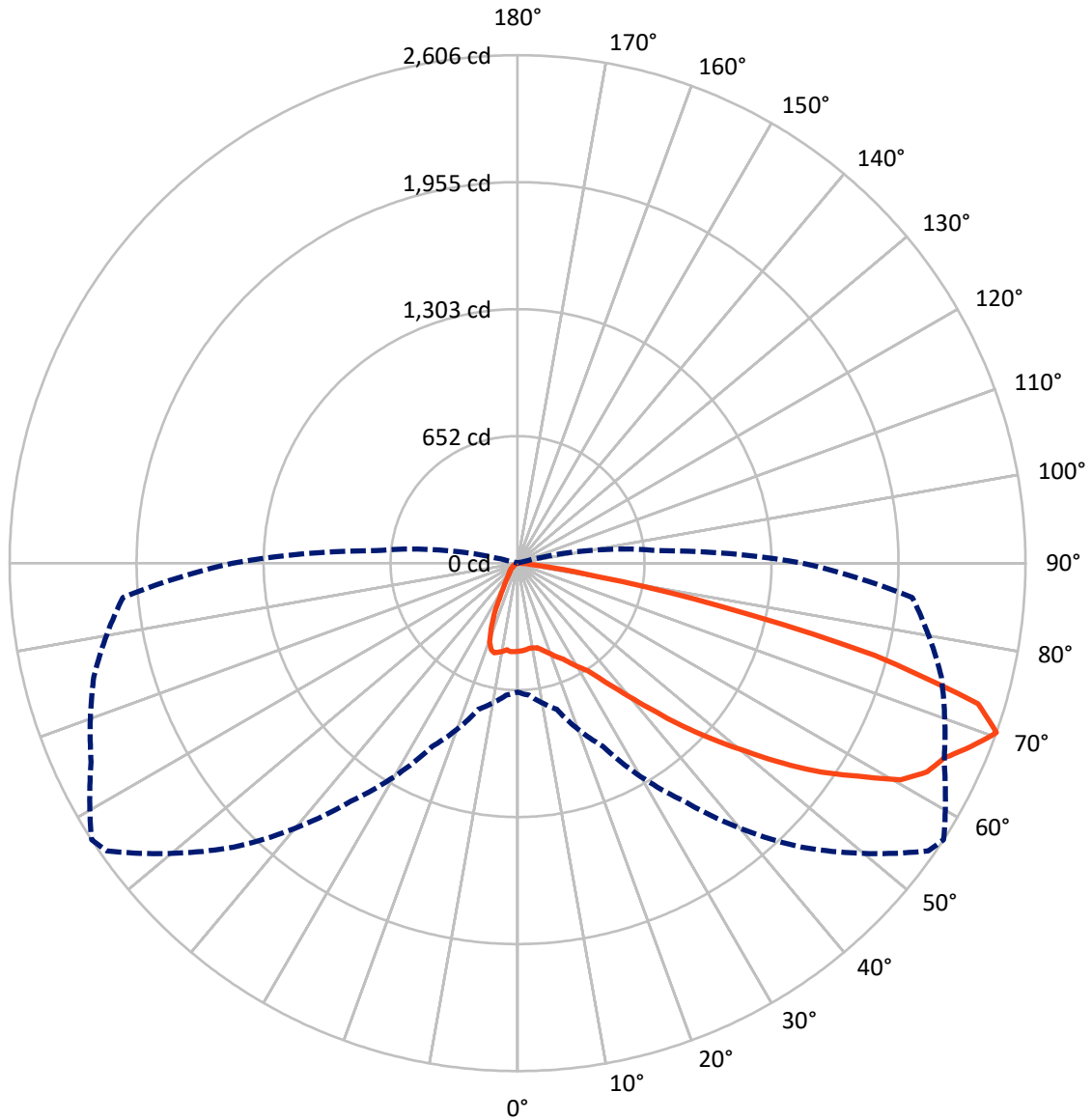
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.6 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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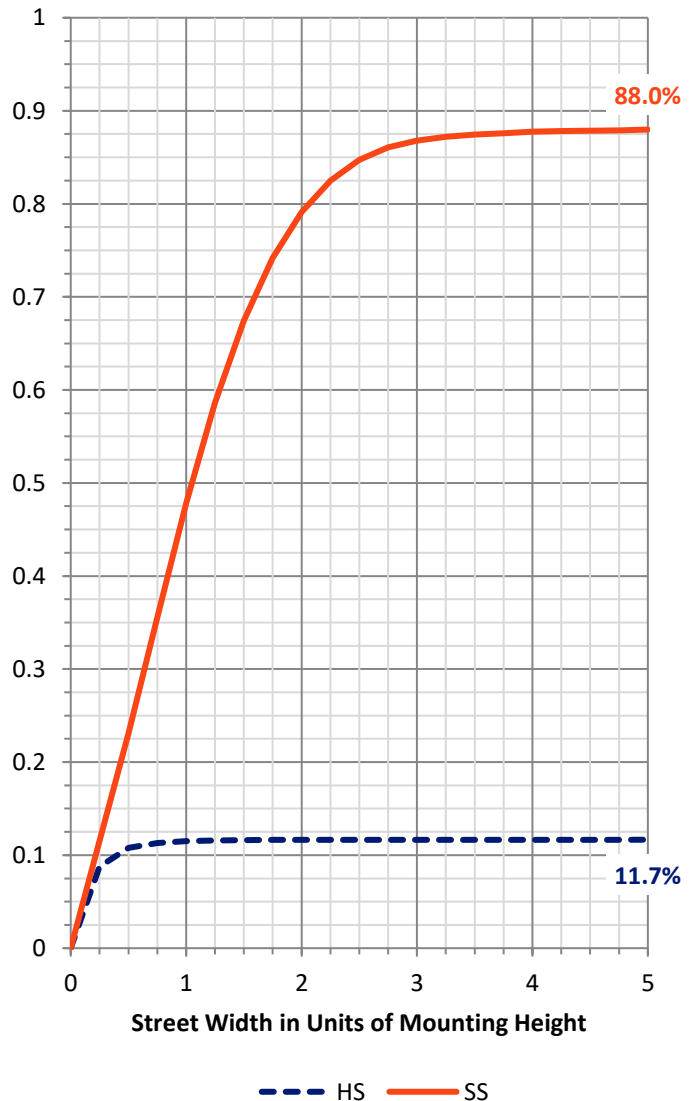
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	432.0	0.0	432.0
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	3232.8	0.0	3232.8
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	3664.8	0.0	3664.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.3	1.2
10°-20°	118.1	3.2
20°-30°	199.0	5.4
30°-40°	340.6	9.3
40°-50°	571.9	15.6
50°-60°	877.9	24.0
60°-70°	1013.5	27.7
70°-80°	478.8	13.1
80°-90°	22.7	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°	3664.8	100.0
0°-180°	3664.8	100.0



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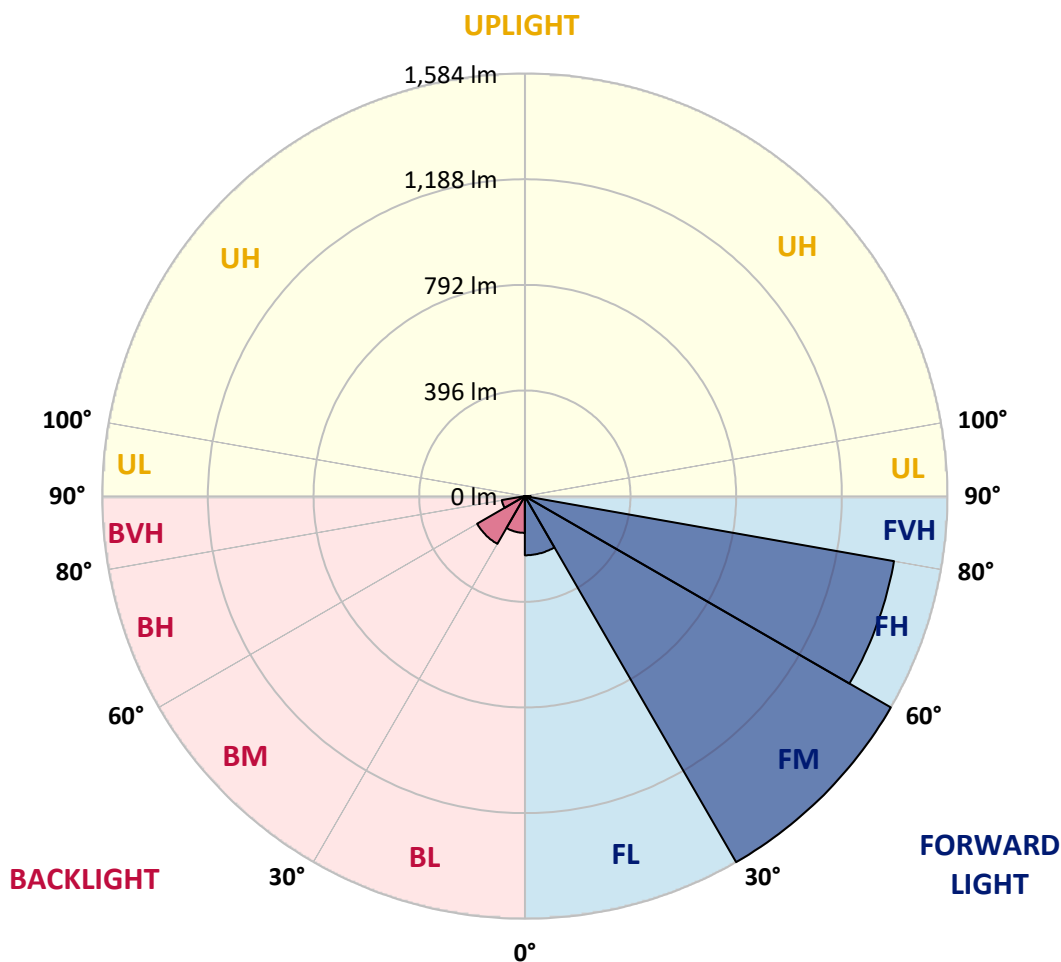
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	221.7	6.0			
FM (30°-60°)	1583.9	43.2			
FH (60°-80°)	1404.9	38.3			G1/1800
FVH (80°-90°)	22.3	0.6			G1/100
BL (0°-30°)	137.7	3.8	B1/500		
BM (30°-60°)	206.5	5.6	B0/220		
BH (60°-80°)	87.4	2.4	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: B1-U0-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	452.2	452.2	452.2	452.2	452.2	452.2	452.2	452.2	452.2	452.2	452.2
2.5°	445.6	442.8	445.6	449.4	445.6	448.4	447.5	450.3	446.6	446.6	449.4
5°	416.6	421.3	423.2	427.8	432.5	441.0	446.6	446.6	452.2	455.0	458.7
7.5°	406.3	398.8	406.3	410.1	414.7	428.8	437.2	441.0	448.4	458.7	464.4
10°	391.3	397.0	397.0	409.1	415.7	424.1	439.1	441.9	458.7	469.0	474.7
12.5°	390.4	390.4	395.1	403.5	416.6	432.5	451.3	445.6	463.4	482.1	491.5
15°	393.2	399.8	399.8	411.0	421.3	443.8	459.7	460.6	485.9	504.6	513.0
17.5°	405.4	402.6	406.3	412.9	428.8	450.3	476.5	479.3	508.4	533.6	545.8
20°	430.7	435.3	429.7	426.0	432.5	460.6	494.3	499.9	532.7	557.0	569.2
22.5°	525.2	521.5	499.0	472.8	461.6	474.7	511.2	524.3	562.7	591.7	602.0
25°	631.9	625.4	599.2	559.9	508.4	502.7	544.9	544.9	600.1	631.9	629.1
27.5°	733.1	731.2	700.3	659.1	586.1	545.8	572.0	582.3	642.2	668.5	656.3
30°	836.0	837.9	809.8	760.2	683.4	615.1	610.4	618.8	674.1	715.3	690.0
32.5°	955.9	939.0	919.4	851.0	780.8	704.0	660.0	656.3	709.6	747.1	713.4
35°	1062.6	1052.3	1030.8	969.0	888.5	796.7	734.9	725.6	754.6	804.2	767.7
37.5°	1156.2	1145.9	1117.8	1076.6	1013.9	911.9	824.8	810.8	822.9	875.4	831.4
40°	1236.7	1239.5	1232.1	1191.8	1133.8	1041.1	940.9	918.4	908.1	954.9	905.3
42.5°	1294.8	1321.9	1323.8	1274.2	1227.4	1176.8	1064.5	1046.7	1022.3	1061.7	1027.0
45°	1416.5	1401.5	1410.9	1393.1	1341.6	1334.1	1206.8	1196.5	1162.8	1175.9	1139.4
47.5°	1512.0	1509.2	1527.0	1497.9	1483.9	1484.8	1368.7	1351.0	1303.2	1327.5	1286.4
50°	1567.2	1552.2	1616.8	1639.3	1636.5	1647.7	1532.6	1517.6	1471.7	1507.3	1419.3
52.5°	1580.3	1607.5	1668.3	1749.8	1784.4	1807.8	1711.4	1705.8	1656.2	1678.6	1556.9
55°	1613.1	1639.3	1674.9	1808.8	1937.0	1942.6	1887.4	1893.0	1849.0	1843.4	1688.0
57.5°	1612.2	1606.5	1704.8	1860.3	2038.1	2118.6	2088.7	2061.5	2013.8	1958.6	1772.2
60°	1553.2	1550.4	1652.4	1866.8	2093.4	2277.8	2290.0	2258.1	2138.3	2056.9	1871.5
62.5°	1436.1	1447.4	1550.4	1810.6	2145.8	2334.9	2379.8	2358.3	2209.5	2122.4	1988.5
65°	1302.3	1278.9	1398.7	1670.2	2027.8	2318.1	2415.4	2407.9	2293.7	2193.5	2096.2
67.5°	1044.8	1055.1	1146.9	1437.1	1826.5	2256.3	2498.7	2510.0	2361.1	2256.3	2128.9
70°	661.9	680.6	776.1	1038.3	1491.4	2061.5	2573.6	2606.4	2414.5	2250.7	2033.5
72.5°	192.9	200.3	330.5	517.7	950.3	1653.3	2453.8	2470.7	2310.6	2042.8	1572.8
75°	63.7	67.4	97.4	168.5	372.6	854.8	1812.5	1892.1	1838.7	1481.1	899.7
77.5°	42.1	44.0	53.4	80.5	141.4	267.8	971.8	1057.0	1036.4	693.7	290.2
80°	30.9	31.8	39.3	54.3	86.1	96.4	358.6	414.7	400.7	159.2	58.0
82.5°	19.7	19.7	29.0	38.4	54.3	47.7	103.9	115.2	112.3	60.9	22.5
85°	13.1	14.0	21.5	30.0	30.0	22.5	30.0	34.6	37.4	32.8	10.3
87.5°	3.7	4.7	12.2	20.6	12.2	11.2	10.3	11.2	13.1	17.8	5.6
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°	452.2	452.2	452.2	452.2	452.2	452.2	452.2	452.2	452.2	452.2	452.2
2.5°	452.2	455.9	455.0	456.9	454.1	451.3	454.1	454.1	454.1	451.3	449.4
5°	455.9	454.1	455.9	452.2	455.9	452.2	450.3	444.7	443.8	443.8	447.5
7.5°	461.6	463.4	455.0	455.0	446.6	448.4	443.8	444.7	442.8	440.0	438.1
10°	470.0	477.5	469.0	466.2	456.9	449.4	438.1	432.5	432.5	428.8	432.5
12.5°	493.4	490.6	485.9	476.5	465.3	450.3	423.2	396.0	373.5	356.7	365.1
15°	512.1	511.2	504.6	486.8	471.9	426.0	357.6	287.4	250.0	233.1	230.3
17.5°	541.1	538.3	527.1	503.7	454.1	353.0	245.3	186.3	149.8	141.4	138.6
20°	568.3	567.3	543.0	513.0	409.1	257.5	160.1	122.6	112.3	113.3	111.4
22.5°	597.3	592.6	563.6	501.8	325.8	171.3	114.2	109.5	105.8	104.9	106.7
25°	630.1	613.2	584.2	476.5	239.7	118.0	107.7	103.9	100.2	99.2	99.2
27.5°	643.2	631.9	593.6	415.7	151.7	103.0	101.1	96.4	91.7	88.9	88.0
30°	673.1	654.4	602.9	326.7	107.7	94.6	91.7	86.1	79.6	74.9	74.9
32.5°	703.1	680.6	603.9	228.4	89.9	85.2	80.5	73.0	64.6	59.9	60.9
35°	740.5	709.6	593.6	147.9	80.5	74.9	65.5	57.1	49.6	45.9	45.9
37.5°	804.2	775.2	551.4	97.4	73.0	63.7	54.3	44.9	38.4	35.6	35.6
40°	884.7	847.3	493.4	76.8	64.6	54.3	43.1	34.6	30.9	28.1	28.1
42.5°	981.1	934.3	407.3	68.3	57.1	44.9	33.7	27.2	23.4	23.4	22.5
45°	1077.6	1000.8	319.2	62.7	50.6	37.4	26.2	21.5	19.7	18.7	18.7
47.5°	1215.2	1081.3	228.4	57.1	44.0	29.0	21.5	17.8	15.9	15.0	15.9
50°	1347.2	1157.2	162.0	51.5	36.5	23.4	17.8	15.9	14.0	13.1	13.1
52.5°	1463.3	1209.6	113.3	44.9	30.9	19.7	15.9	14.0	13.1	12.2	12.2
55°	1527.0	1191.8	77.7	38.4	25.3	16.9	14.0	12.2	11.2	10.3	10.3
57.5°	1592.5	1142.2	59.0	31.8	20.6	15.9	13.1	11.2	10.3	9.4	9.4
60°	1647.7	1105.7	45.9	25.3	16.9	13.1	11.2	9.4	8.4	7.5	6.6
62.5°	1650.5	1032.6	33.7	18.7	13.1	11.2	9.4	7.5	4.7	3.7	2.8
65°	1661.8	955.9	24.3	14.0	9.4	8.4	6.6	3.7	1.9	0.0	0.0
67.5°	1622.5	865.1	19.7	10.3	6.6	4.7	2.8	0.9	0.0	0.0	0.0
70°	1462.4	730.2	15.0	7.5	4.7	2.8	0.9	0.0	0.0	0.0	0.0
72.5°	1046.7	474.7	10.3	5.6	1.9	0.9	0.0	0.0	0.0	0.0	0.0
75°	558.0	202.2	7.5	3.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	175.1	51.5	4.7	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	38.4	14.0	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	13.1	5.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.7	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.9	0.9	0.9	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)