

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: P674937

Luminaire Tested: **CCW-SA-1D-722-U-T3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674937  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1D-722-U-T3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/  
T3 distribution lens  
Light Source: (16) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

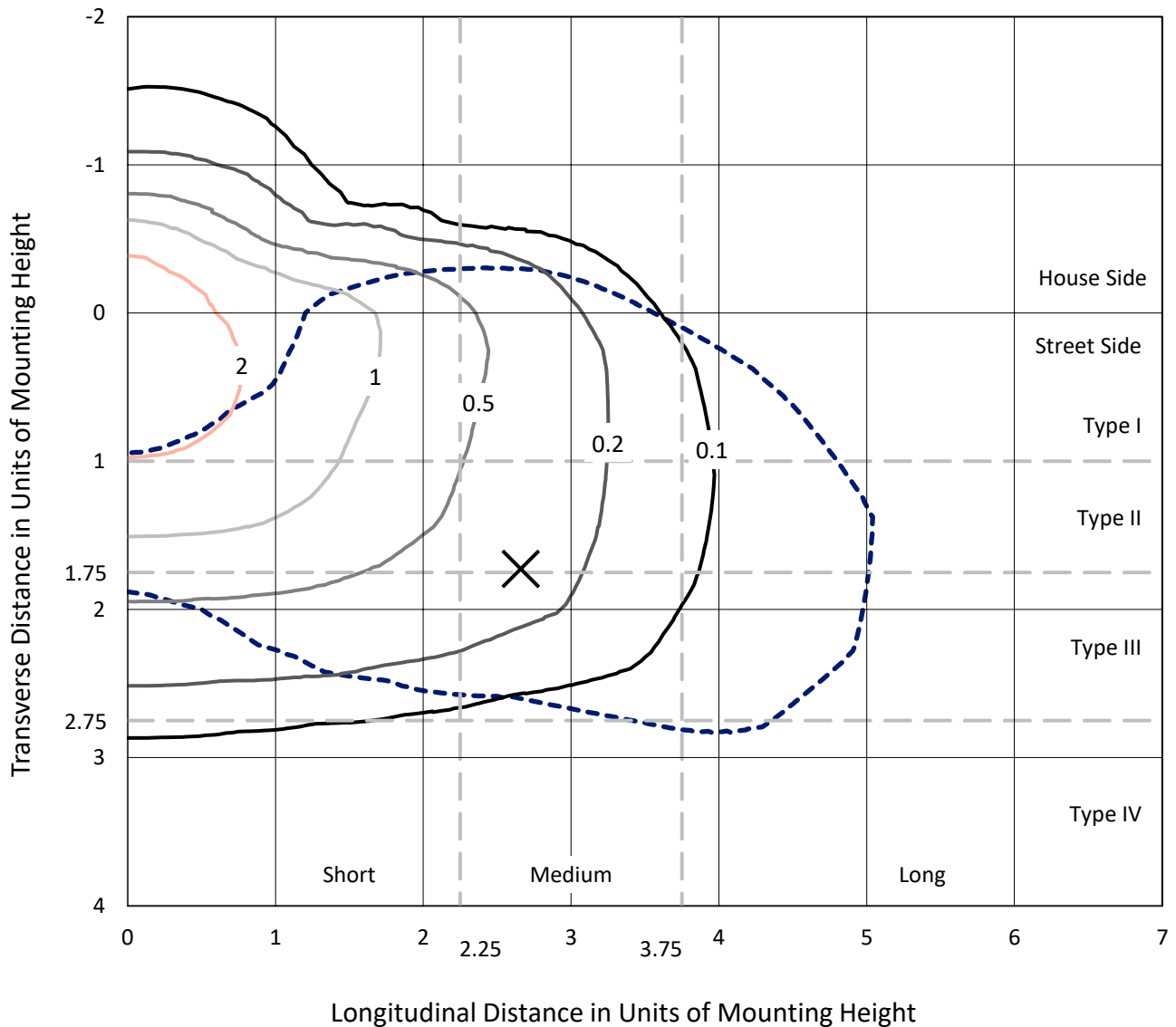
Lumens per Lamp: N/A  
Luminaire Lumens: 4150.6 lumens  
Efficiency: N/A  
Efficacy: 94.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 44  
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

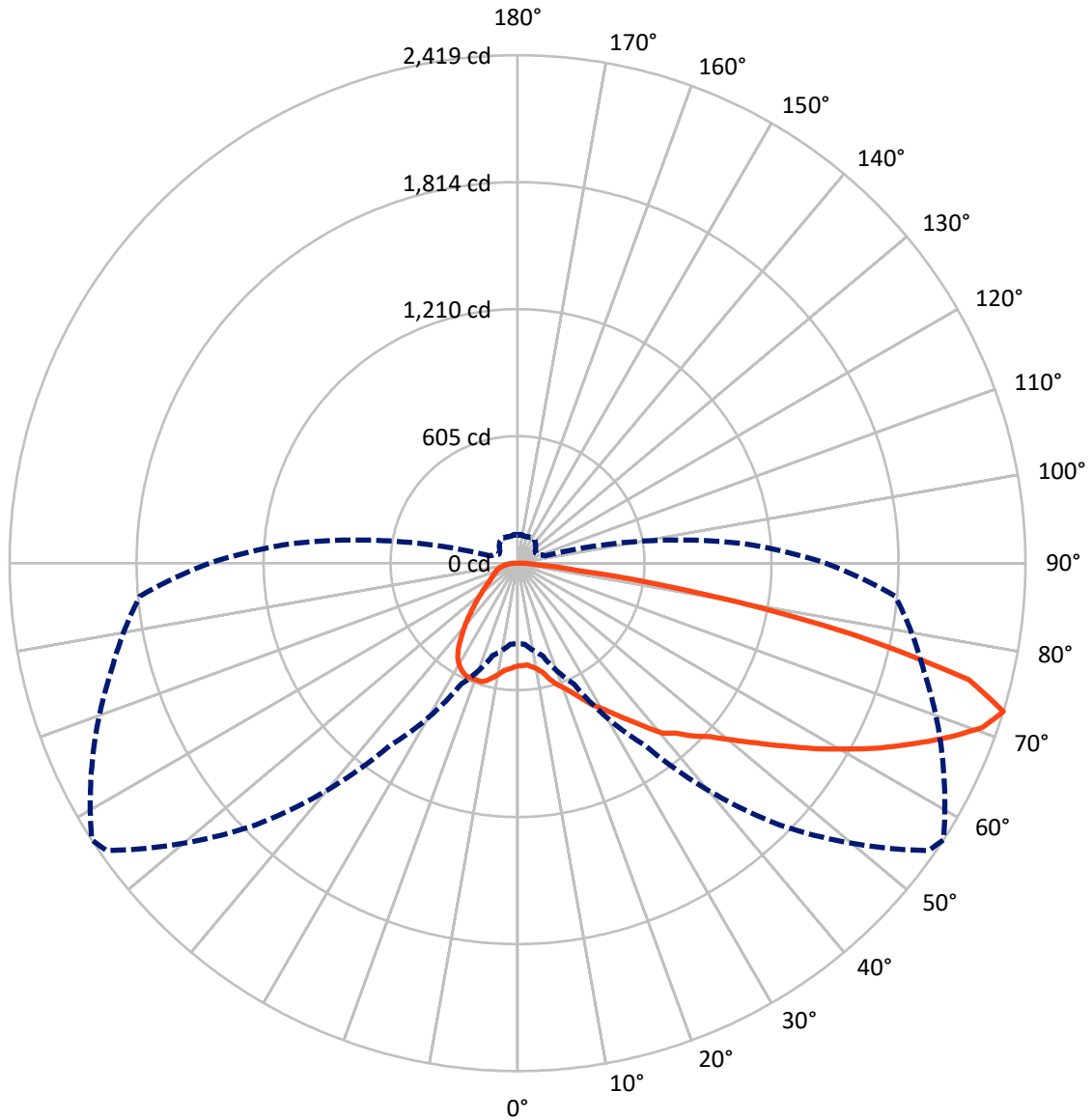
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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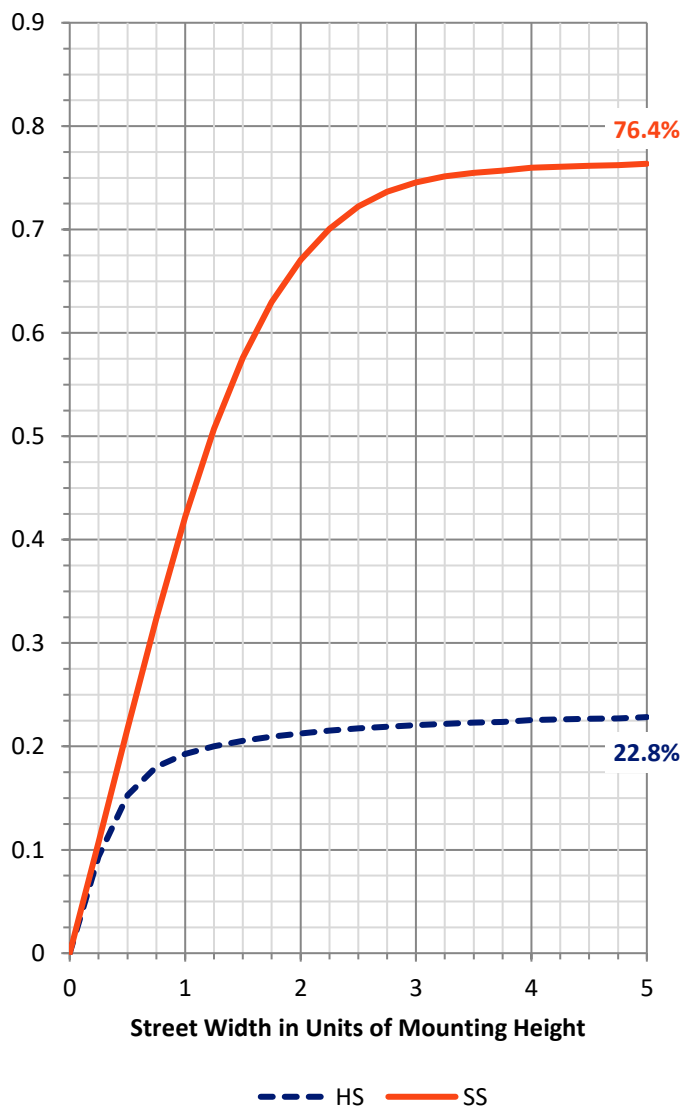
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	969.3	0.0	969.3
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	3181.3	0.0	3181.3
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	4150.6	0.0	4150.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.6	1.2
10°-20°	163.9	3.9
20°-30°	299.6	7.2
30°-40°	439.5	10.6
40°-50°	605.2	14.6
50°-60°	829.9	20.0
60°-70°	1000.4	24.1
70°-80°	666.4	16.1
80°-90°	97.1	2.3
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°	4150.6	100.0
0°-180°	4150.6	100.0



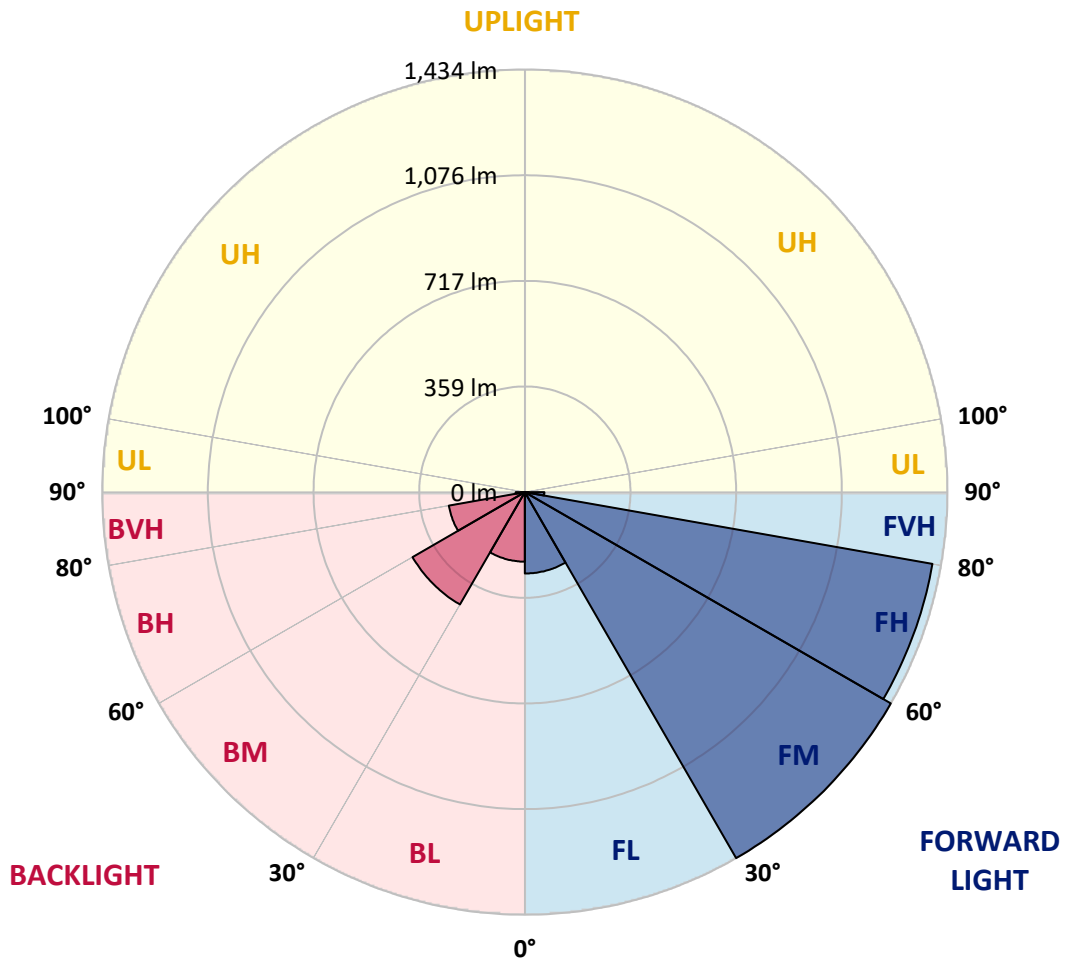
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	276.1	6.7			
FM (30°-60°)	1434.4	34.6			
FH (60°-80°)	1404.7	33.8			G1/1800
FVH (80°-90°)	66.1	1.6			G1/100
BL (0°-30°)	236.0	5.7	B1/500		
BM (30°-60°)	440.3	10.6	B1/1000		
BH (60°-80°)	262.1	6.3	B1/500		G1/500
BVH (80°-90°)	31.0	0.7			G1/100
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°	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9
2.5°	480.8	482.3	485.4	483.9	483.9	479.3	486.9	488.4	485.4	486.9	489.9
5°	480.8	483.9	488.4	485.4	486.9	485.4	482.3	486.9	486.9	488.4	492.9
7.5°	506.5	505.0	505.0	500.5	499.0	497.5	499.0	499.0	496.0	497.5	497.5
10°	535.3	535.3	532.2	532.2	529.2	521.7	514.1	512.6	508.0	509.6	509.6
12.5°	565.5	568.5	571.6	562.5	559.5	547.4	542.8	533.8	533.8	530.7	529.2
15°	603.3	598.8	601.8	598.8	591.2	579.1	571.6	573.1	562.5	559.5	554.9
17.5°	636.6	638.1	633.5	630.5	616.9	607.8	609.4	607.8	594.2	589.7	582.1
20°	675.9	674.4	674.4	665.3	653.2	641.1	636.6	635.1	638.1	629.0	610.9
22.5°	716.7	710.7	710.7	703.1	686.5	678.9	675.9	669.8	672.9	665.3	638.1
25°	750.0	750.0	760.6	745.4	736.4	721.2	715.2	716.7	718.2	703.1	671.3
27.5°	793.8	786.3	796.8	789.3	784.8	768.1	760.6	765.1	762.1	745.4	701.6
30°	849.8	851.3	845.2	834.6	828.6	816.5	812.0	807.4	812.0	790.8	734.9
32.5°	919.3	923.9	908.7	896.6	886.1	874.0	864.9	860.4	864.9	833.1	760.6
35°	999.5	1004.0	991.9	978.3	966.2	936.0	928.4	920.8	904.2	852.8	784.8
37.5°	1073.6	1067.5	1064.5	1064.5	1041.8	998.0	993.4	988.9	957.1	892.1	818.0
40°	1123.5	1131.0	1128.0	1125.0	1121.9	1081.1	1072.0	1064.5	1011.6	951.1	864.9
42.5°	1179.4	1174.9	1187.0	1191.5	1180.9	1168.8	1132.5	1106.8	1059.9	1011.6	934.4
45°	1245.9	1242.9	1247.4	1264.1	1248.9	1253.5	1193.0	1174.9	1115.9	1087.2	1022.1
47.5°	1304.9	1312.5	1335.1	1339.7	1327.6	1348.7	1264.1	1235.3	1197.5	1174.9	1112.9
50°	1330.6	1339.7	1391.1	1422.8	1424.3	1457.6	1335.1	1323.0	1271.6	1280.7	1226.3
52.5°	1309.4	1338.2	1400.2	1483.3	1534.7	1568.0	1428.9	1422.8	1376.0	1404.7	1350.3
55°	1329.1	1356.3	1397.1	1513.6	1643.6	1651.2	1558.9	1536.2	1489.4	1528.7	1478.8
57.5°	1338.2	1323.0	1400.2	1546.8	1723.7	1743.4	1682.9	1666.3	1630.0	1667.8	1639.1
60°	1267.1	1285.2	1357.8	1537.8	1728.3	1841.7	1822.0	1797.8	1764.6	1799.3	1782.7
62.5°	1187.0	1199.1	1277.7	1483.3	1754.0	1912.7	1956.6	1938.4	1891.6	1921.8	1950.5
65°	1085.6	1087.2	1174.9	1386.5	1704.1	1953.6	2074.5	2073.0	2039.8	2032.2	2077.6
67.5°	961.7	973.8	1043.3	1283.7	1636.0	1998.9	2191.0	2213.6	2147.1	2088.1	2104.8
70°	737.9	750.0	816.5	1052.4	1496.9	1985.3	2334.6	2346.7	2216.7	2067.0	2024.6
72.5°	384.1	387.1	455.1	635.1	1061.5	1763.0	2387.5	2419.3	2234.8	2005.0	1805.4
75°	127.0	127.0	155.7	241.9	500.5	1128.0	2162.2	2219.7	2145.6	1850.7	1477.3
77.5°	75.6	77.1	92.2	121.0	199.6	450.6	1524.1	1625.4	1755.5	1574.0	1079.6
80°	54.4	55.9	69.6	83.2	119.5	145.2	765.1	905.7	1078.1	1013.1	576.1
82.5°	40.8	40.8	54.4	62.0	81.7	86.2	213.2	291.8	465.7	362.9	158.8
85°	42.3	42.3	42.3	43.8	55.9	49.9	89.2	95.3	136.1	119.5	43.8
87.5°	15.1	16.6	42.3	28.7	28.7	21.2	34.8	37.8	48.4	49.9	16.6
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°	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9
2.5°	491.4	491.4	492.9	492.9	496.0	499.0	503.5	500.5	500.5	502.0	500.5
5°	489.9	491.4	496.0	503.5	506.5	508.0	517.1	517.1	517.1	520.1	520.1
7.5°	496.0	499.0	506.5	514.1	515.6	520.1	532.2	535.3	542.8	545.8	547.4
10°	511.1	515.6	521.7	530.7	536.8	542.8	551.9	562.5	561.0	570.0	571.6
12.5°	533.8	532.2	542.8	551.9	557.9	567.0	570.0	570.0	570.0	570.0	573.1
15°	551.9	554.9	564.0	570.0	577.6	576.1	570.0	564.0	565.5	564.0	564.0
17.5°	579.1	579.1	586.7	588.2	591.2	576.1	567.0	567.0	571.6	571.6	568.5
20°	606.3	604.8	607.8	606.3	586.7	568.5	567.0	568.5	570.0	568.5	567.0
22.5°	632.0	629.0	624.5	618.4	583.6	567.0	564.0	556.4	548.9	548.9	544.3
25°	654.7	651.7	639.6	621.5	582.1	557.9	542.8	524.7	515.6	511.1	517.1
27.5°	675.9	669.8	653.2	621.5	568.5	533.8	505.0	482.3	474.8	468.7	474.8
30°	704.6	694.0	671.3	616.9	547.4	496.0	456.6	429.4	421.9	412.8	415.8
32.5°	730.3	706.1	686.5	603.3	520.1	453.6	408.3	381.0	367.4	359.9	365.9
35°	757.5	733.3	692.5	582.1	477.8	402.2	356.8	331.1	320.6	310.0	310.0
37.5°	784.8	771.1	701.6	542.8	426.4	353.8	313.0	293.3	275.2	255.5	255.5
40°	842.2	824.1	712.2	497.5	375.0	306.9	278.2	252.5	234.4	207.2	205.6
42.5°	902.7	863.4	712.2	443.0	329.6	273.7	246.5	219.2	186.0	169.3	170.9
45°	979.8	934.4	692.5	394.6	284.3	246.5	216.2	181.4	166.3	155.7	155.7
47.5°	1076.6	1005.5	668.3	341.7	248.0	222.3	184.5	163.3	152.7	143.6	142.1
50°	1191.5	1070.5	638.1	296.4	217.7	199.6	167.8	151.2	142.1	136.1	136.1
52.5°	1312.5	1165.8	616.9	255.5	193.5	169.3	155.7	145.2	137.6	133.1	131.5
55°	1434.9	1261.0	601.8	211.7	170.9	155.7	152.7	143.6	140.6	136.1	133.1
57.5°	1572.5	1339.7	598.8	181.4	152.7	149.7	155.7	148.2	143.6	139.1	134.6
60°	1720.7	1445.5	571.6	157.3	143.6	146.7	151.2	143.6	140.6	136.1	133.1
62.5°	1867.4	1524.1	497.5	139.1	134.6	137.6	143.6	137.6	133.1	134.6	136.1
65°	1927.9	1530.2	385.6	125.5	124.0	125.5	134.6	133.1	128.5	137.6	137.6
67.5°	1867.4	1475.8	272.2	113.4	113.4	121.0	136.1	139.1	134.6	146.7	145.2
70°	1729.8	1341.2	184.5	105.8	108.9	128.5	140.6	137.6	131.5	146.7	143.6
72.5°	1468.2	1073.6	134.6	98.3	102.8	122.5	139.1	136.1	131.5	137.6	131.5
75°	1102.3	763.6	105.8	89.2	90.7	110.4	143.6	136.1	124.0	121.0	116.4
77.5°	736.4	471.8	81.7	78.6	78.6	96.8	137.6	127.0	111.9	107.4	105.8
80°	350.8	189.0	65.0	66.5	68.0	83.2	125.5	113.4	101.3	95.3	95.3
82.5°	111.9	71.1	54.4	54.4	54.4	68.0	104.3	95.3	87.7	83.2	75.6
85°	39.3	39.3	46.9	48.4	43.8	49.9	86.2	81.7	72.6	60.5	59.0
87.5°	15.1	22.7	31.8	37.8	27.2	34.8	62.0	57.5	52.9	39.3	37.8
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)