

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: P676431

Luminaire Tested: **CCW-SA-1C-750-U-T3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676431  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1C-750-U-T3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/  
T3 distribution lens and House Side Shield  
Light Source: (16) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

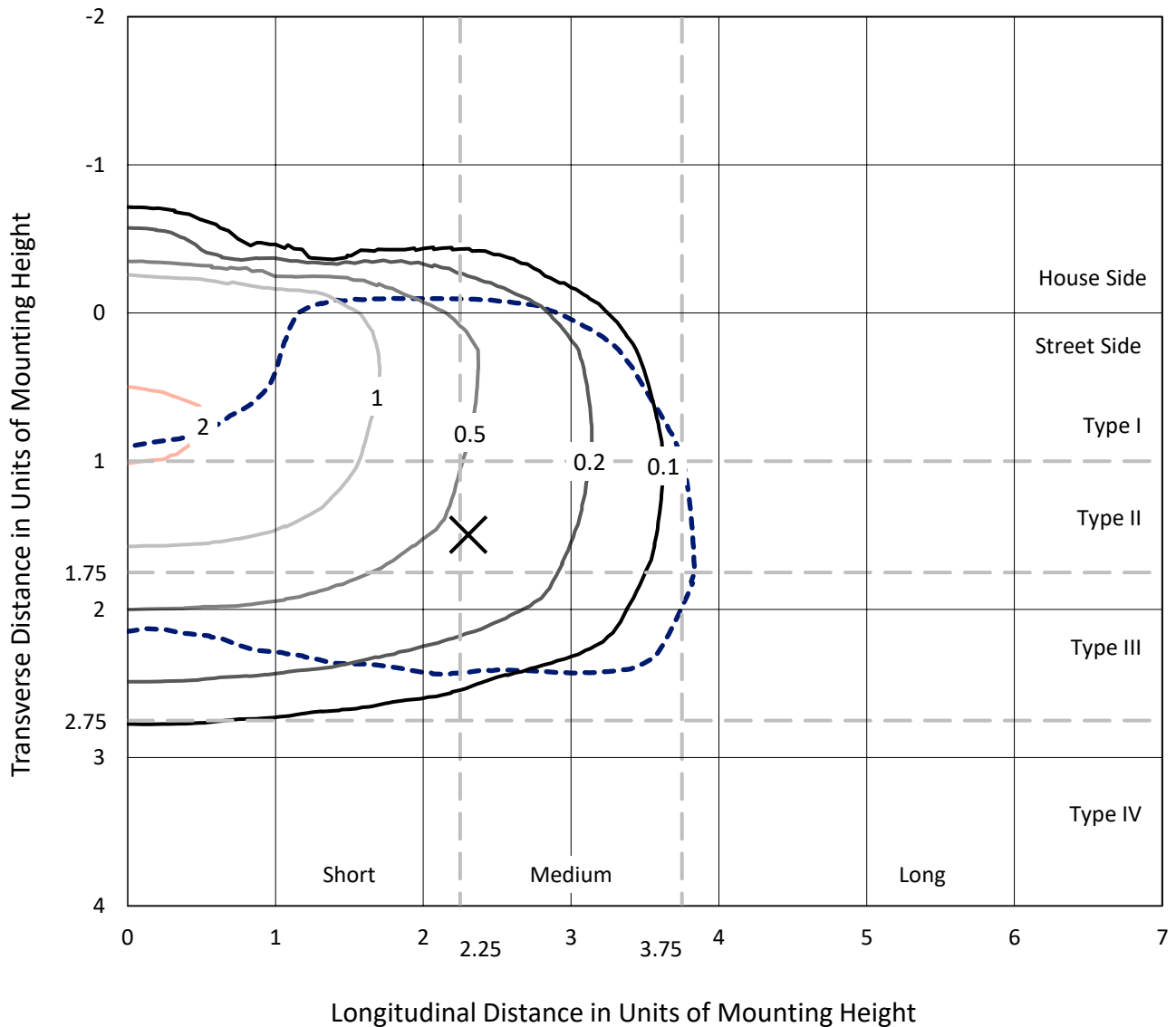
Lumens per Lamp: N/A  
Luminaire Lumens: 3331.8 lumens  
Efficiency: N/A  
Efficacy: 104.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 32  
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

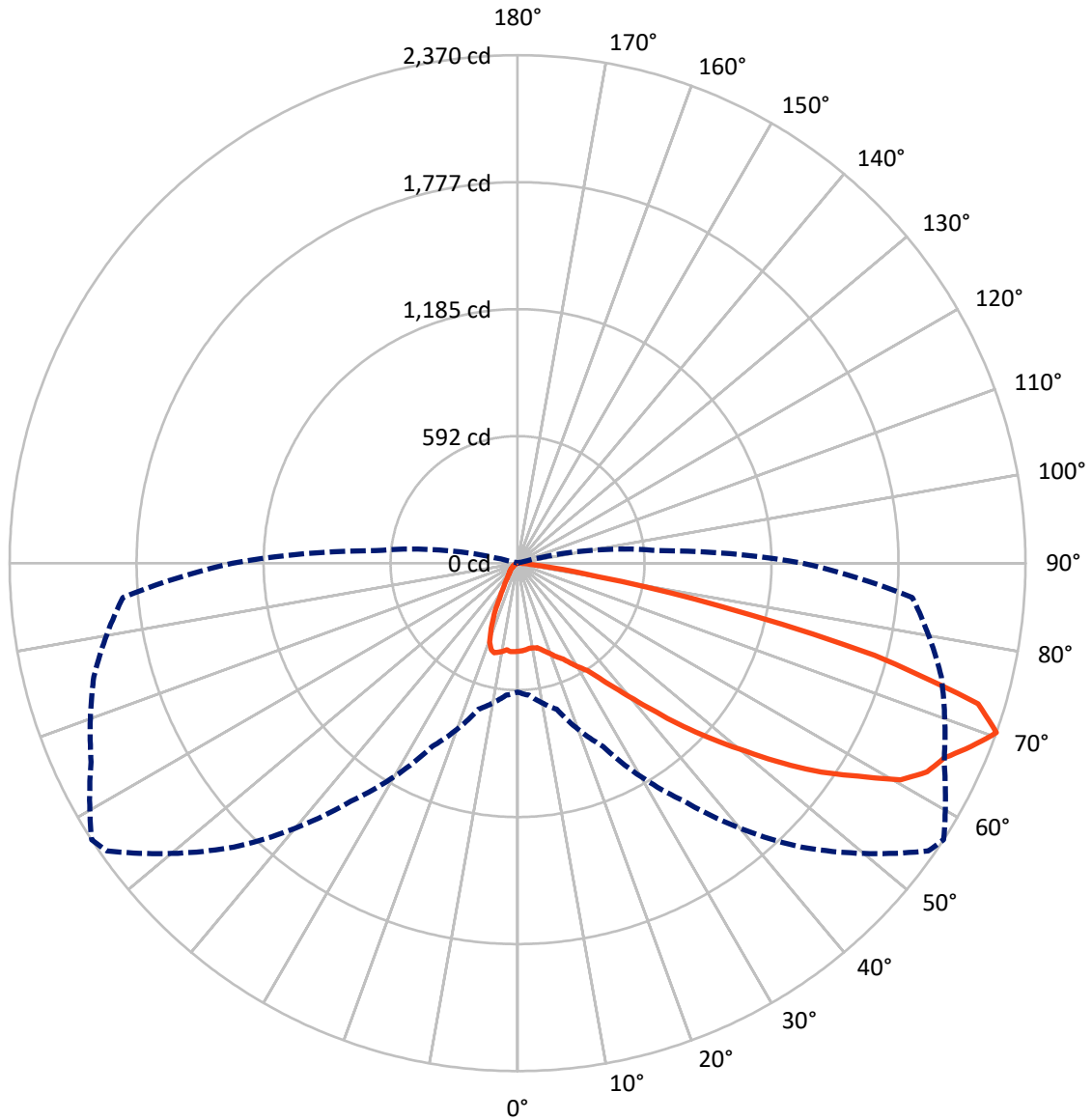
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 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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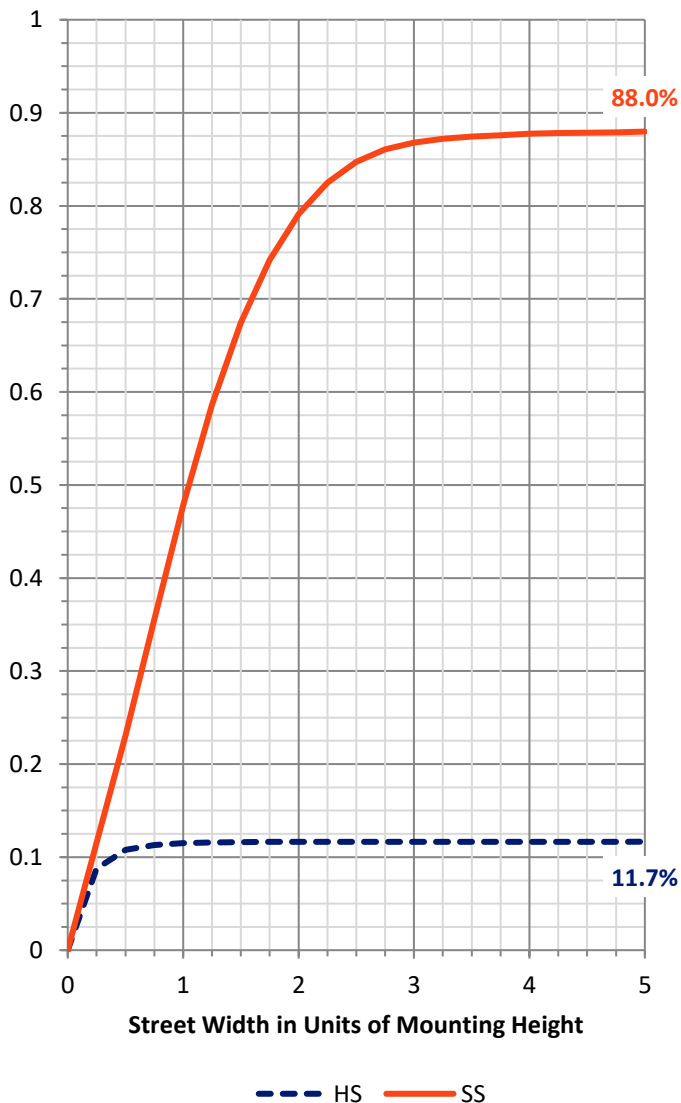
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	392.7	0.0	392.7
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	2939.0	0.0	2939.0
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	3331.8	0.0	3331.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.4	1.2
10°-20°	107.4	3.2
20°-30°	180.9	5.4
30°-40°	309.6	9.3
40°-50°	519.9	15.6
50°-60°	798.1	24.0
60°-70°	921.4	27.7
70°-80°	435.3	13.1
80°-90°	20.7	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°	3331.8	100.0
0°-180°	3331.8	100.0

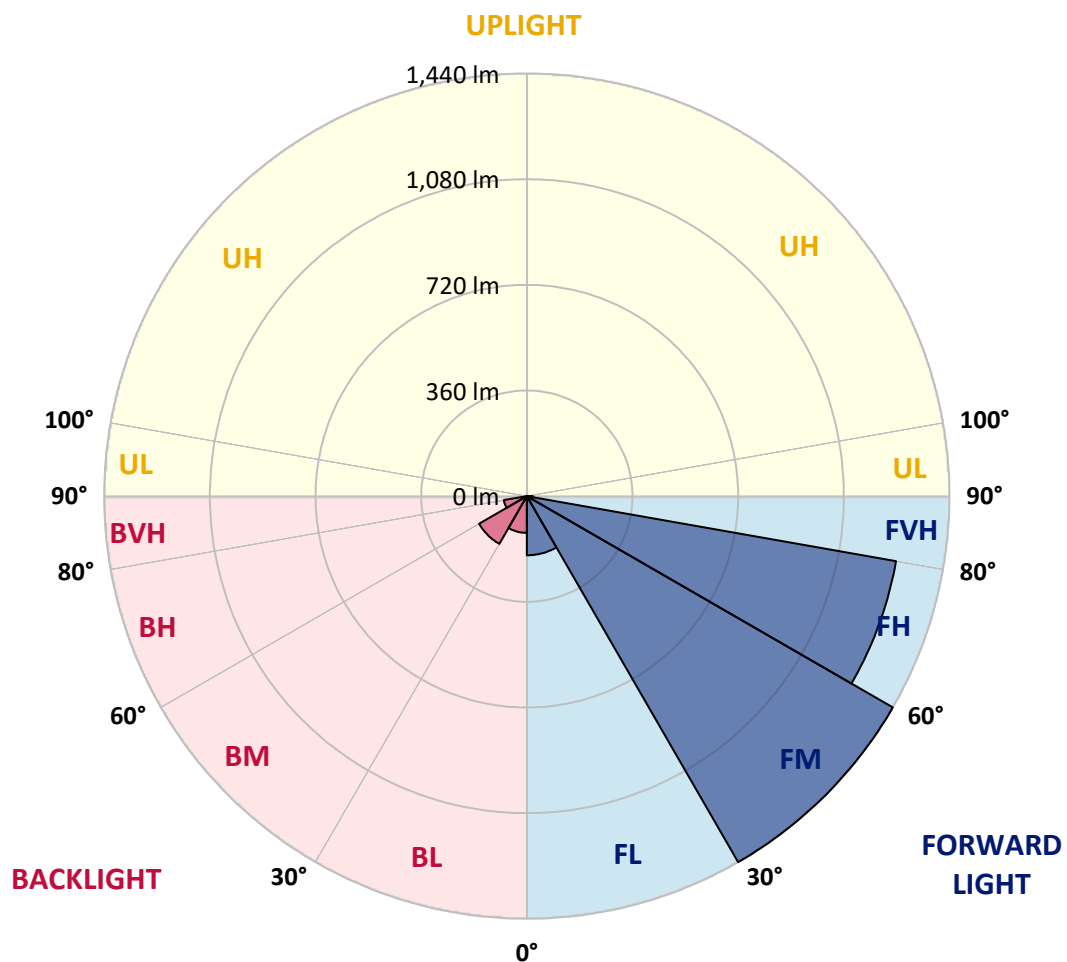


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	201.6	6.0			
FM (30°-60°)	1439.9	43.2			
FH (60°-80°)	1277.3	38.3			G1/1800
FVH (80°-90°)	20.3	0.6			G1/100
BL (0°-30°)	125.2	3.8	B1/500		
BM (30°-60°)	187.7	5.6	B0/220		
BH (60°-80°)	79.4	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°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1
2.5°	405.1	402.6	405.1	408.5	405.1	407.7	406.8	409.4	406.0	406.0	408.5
5°	378.8	383.0	384.7	389.0	393.2	400.9	406.0	406.0	411.1	413.6	417.1
7.5°	369.4	362.6	369.4	372.8	377.1	389.8	397.5	400.9	407.7	417.1	422.2
10°	355.8	360.9	360.9	371.9	377.9	385.6	399.2	401.7	417.1	426.4	431.5
12.5°	354.9	354.9	359.2	366.8	378.8	393.2	410.2	405.1	421.3	438.3	446.8
15°	357.5	363.4	363.4	373.6	383.0	403.4	417.9	418.8	441.7	458.8	466.4
17.5°	368.5	366.0	369.4	375.3	389.8	409.4	433.2	435.8	462.2	485.1	496.2
20°	391.5	395.8	390.7	387.3	393.2	418.8	449.4	454.5	484.3	506.4	517.5
22.5°	477.5	474.1	453.7	429.8	419.6	431.5	464.7	476.6	511.5	537.9	547.3
25°	574.5	568.6	544.7	509.0	462.2	457.1	495.4	495.4	545.6	574.5	572.0
27.5°	666.4	664.7	636.6	599.2	532.8	496.2	520.0	529.4	583.9	607.7	596.6
30°	760.1	761.8	736.2	691.1	621.3	559.2	554.9	562.6	612.8	650.3	627.3
32.5°	869.0	853.7	835.8	773.7	709.8	640.0	600.0	596.6	645.2	679.2	648.6
35°	966.0	956.7	937.1	880.9	807.7	724.3	668.1	659.6	686.0	731.1	697.9
37.5°	1051.1	1041.8	1016.2	978.8	921.8	829.0	749.8	737.1	748.1	795.8	755.8
40°	1124.3	1126.9	1120.1	1083.5	1030.7	946.5	855.4	835.0	825.6	868.2	823.0
42.5°	1177.1	1201.8	1203.5	1158.4	1115.8	1069.9	967.7	951.6	929.4	965.2	933.7
45°	1287.8	1274.1	1282.7	1266.5	1219.7	1212.9	1097.1	1087.7	1057.1	1069.0	1035.8
47.5°	1374.6	1372.0	1388.2	1361.8	1349.0	1349.9	1244.4	1228.2	1184.8	1206.9	1169.5
50°	1424.8	1411.2	1469.9	1490.3	1487.8	1498.0	1393.3	1379.7	1338.0	1370.3	1290.3
52.5°	1436.7	1461.4	1516.7	1590.8	1622.3	1643.5	1555.9	1550.8	1505.6	1526.1	1415.4
55°	1466.5	1490.3	1522.7	1644.4	1761.0	1766.1	1715.9	1721.0	1681.0	1675.9	1534.6
57.5°	1465.6	1460.5	1549.9	1691.2	1852.9	1926.1	1898.9	1874.2	1830.8	1780.6	1611.2
60°	1412.0	1409.5	1502.2	1697.2	1903.1	2070.8	2081.9	2052.9	1944.0	1869.9	1701.4
62.5°	1305.6	1315.8	1409.5	1646.1	1950.8	2122.7	2163.6	2144.0	2008.7	1929.5	1807.8
65°	1183.9	1162.6	1271.6	1518.4	1843.5	2107.4	2195.9	2189.1	2085.3	1994.2	1905.7
67.5°	949.9	959.2	1042.6	1306.5	1660.6	2051.2	2271.7	2281.9	2146.5	2051.2	1935.5
70°	601.7	618.8	705.6	943.9	1355.8	1874.2	2339.8	2369.5	2195.1	2046.1	1848.7
72.5°	175.3	182.1	300.4	470.7	863.9	1503.1	2230.8	2246.1	2100.6	1857.2	1429.9
75°	57.9	61.3	88.5	153.2	338.7	777.1	1647.8	1720.1	1671.6	1346.5	817.9
77.5°	38.3	40.0	48.5	73.2	128.5	243.4	883.5	960.9	942.2	630.7	263.9
80°	28.1	28.9	35.7	49.4	78.3	87.7	326.0	377.1	364.3	144.7	52.8
82.5°	17.9	17.9	26.4	34.9	49.4	43.4	94.5	104.7	102.1	55.3	20.4
85°	11.9	12.8	19.6	27.2	27.2	20.4	27.2	31.5	34.0	29.8	9.4
87.5°	3.4	4.3	11.1	18.7	11.1	10.2	9.4	10.2	11.9	16.2	5.1
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°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1
2.5°	411.1	414.5	413.6	415.4	412.8	410.2	412.8	412.8	412.8	410.2	408.5
5°	414.5	412.8	414.5	411.1	414.5	411.1	409.4	404.3	403.4	403.4	406.8
7.5°	419.6	421.3	413.6	413.6	406.0	407.7	403.4	404.3	402.6	400.0	398.3
10°	427.3	434.1	426.4	423.9	415.4	408.5	398.3	393.2	393.2	389.8	393.2
12.5°	448.5	446.0	441.7	433.2	423.0	409.4	384.7	360.0	339.6	324.3	331.9
15°	465.6	464.7	458.8	442.6	429.0	387.3	325.1	261.3	227.3	211.9	209.4
17.5°	492.0	489.4	479.2	457.9	412.8	320.9	223.0	169.4	136.2	128.5	126.0
20°	516.6	515.8	493.7	466.4	371.9	234.1	145.5	111.5	102.1	103.0	101.3
22.5°	543.0	538.8	512.4	456.2	296.2	155.8	103.8	99.6	96.2	95.3	97.0
25°	572.8	557.5	531.1	433.2	217.9	107.2	97.9	94.5	91.1	90.2	90.2
27.5°	584.7	574.5	539.6	377.9	137.9	93.6	91.9	87.7	83.4	80.9	80.0
30°	612.0	594.9	548.1	297.0	97.9	86.0	83.4	78.3	72.3	68.1	68.1
32.5°	639.2	618.8	549.0	207.7	81.7	77.5	73.2	66.4	58.7	54.5	55.3
35°	673.2	645.2	539.6	134.5	73.2	68.1	59.6	51.9	45.1	41.7	41.7
37.5°	731.1	704.7	501.3	88.5	66.4	57.9	49.4	40.9	34.9	32.3	32.3
40°	804.3	770.3	448.5	69.8	58.7	49.4	39.2	31.5	28.1	25.5	25.5
42.5°	892.0	849.4	370.2	62.1	51.9	40.9	30.6	24.7	21.3	21.3	20.4
45°	979.6	909.9	290.2	57.0	46.0	34.0	23.8	19.6	17.9	17.0	17.0
47.5°	1104.8	983.1	207.7	51.9	40.0	26.4	19.6	16.2	14.5	13.6	14.5
50°	1224.8	1052.0	147.2	46.8	33.2	21.3	16.2	14.5	12.8	11.9	11.9
52.5°	1330.3	1099.7	103.0	40.9	28.1	17.9	14.5	12.8	11.9	11.1	11.1
55°	1388.2	1083.5	70.6	34.9	23.0	15.3	12.8	11.1	10.2	9.4	9.4
57.5°	1447.8	1038.4	53.6	28.9	18.7	14.5	11.9	10.2	9.4	8.5	8.5
60°	1498.0	1005.2	41.7	23.0	15.3	11.9	10.2	8.5	7.7	6.8	6.0
62.5°	1500.5	938.8	30.6	17.0	11.9	10.2	8.5	6.8	4.3	3.4	2.6
65°	1510.8	869.0	22.1	12.8	8.5	7.7	6.0	3.4	1.7	0.0	0.0
67.5°	1475.0	786.4	17.9	9.4	6.0	4.3	2.6	0.9	0.0	0.0	0.0
70°	1329.5	663.9	13.6	6.8	4.3	2.6	0.9	0.0	0.0	0.0	0.0
72.5°	951.6	431.5	9.4	5.1	1.7	0.9	0.0	0.0	0.0	0.0	0.0
75°	507.3	183.8	6.8	3.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	159.2	46.8	4.3	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	34.9	12.8	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	11.9	5.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.3	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	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)