

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: P673232

Luminaire Tested: **CCP-SA-1D-727-U-T3-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673232  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1D-727-U-T3-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA 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: 3360 lumens  
Efficiency: N/A  
Efficacy: 76.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

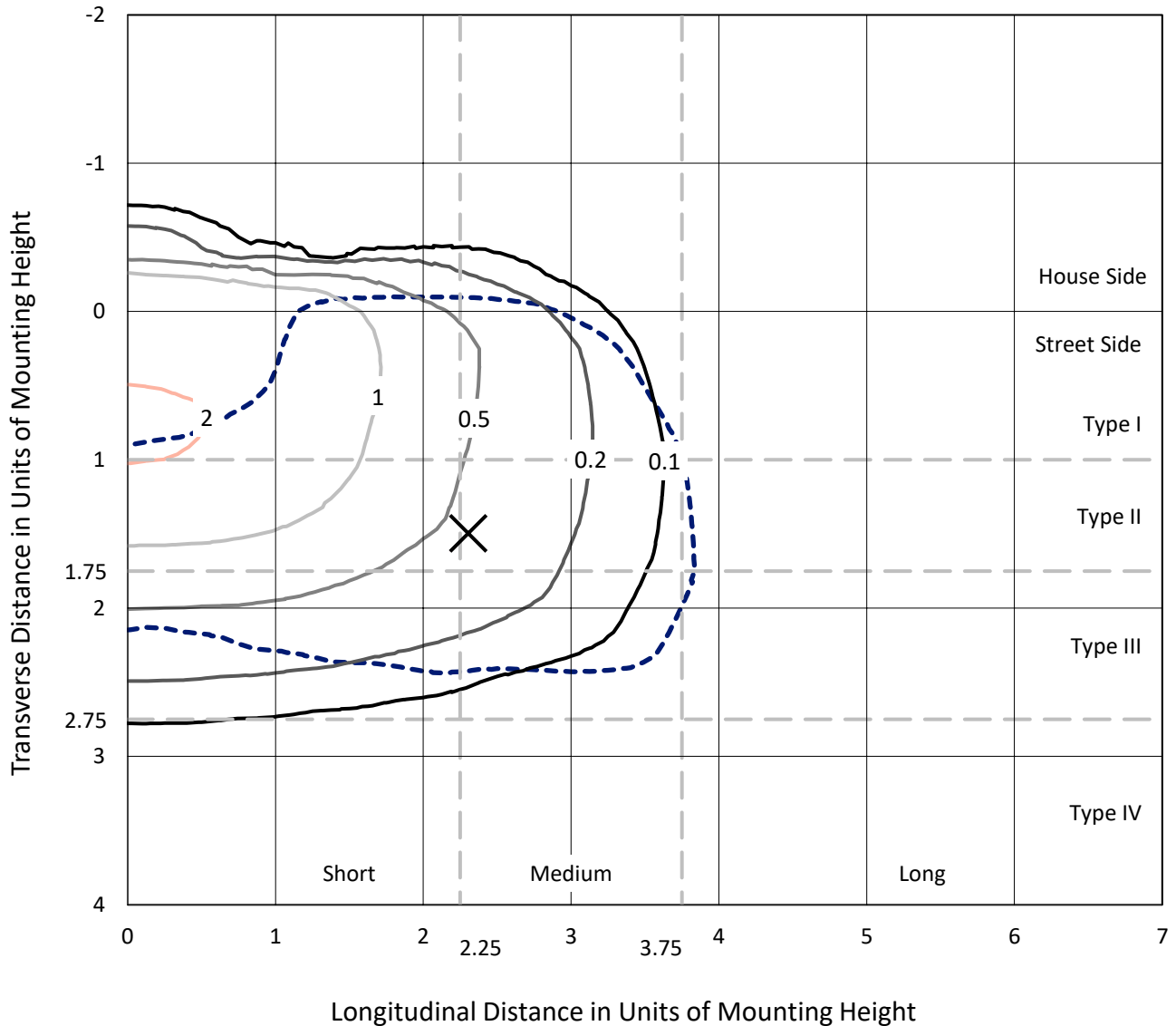
Input Watts (W): 44  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P673232  
 CATALOG NUMBER: CCP-SA-1D-727-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

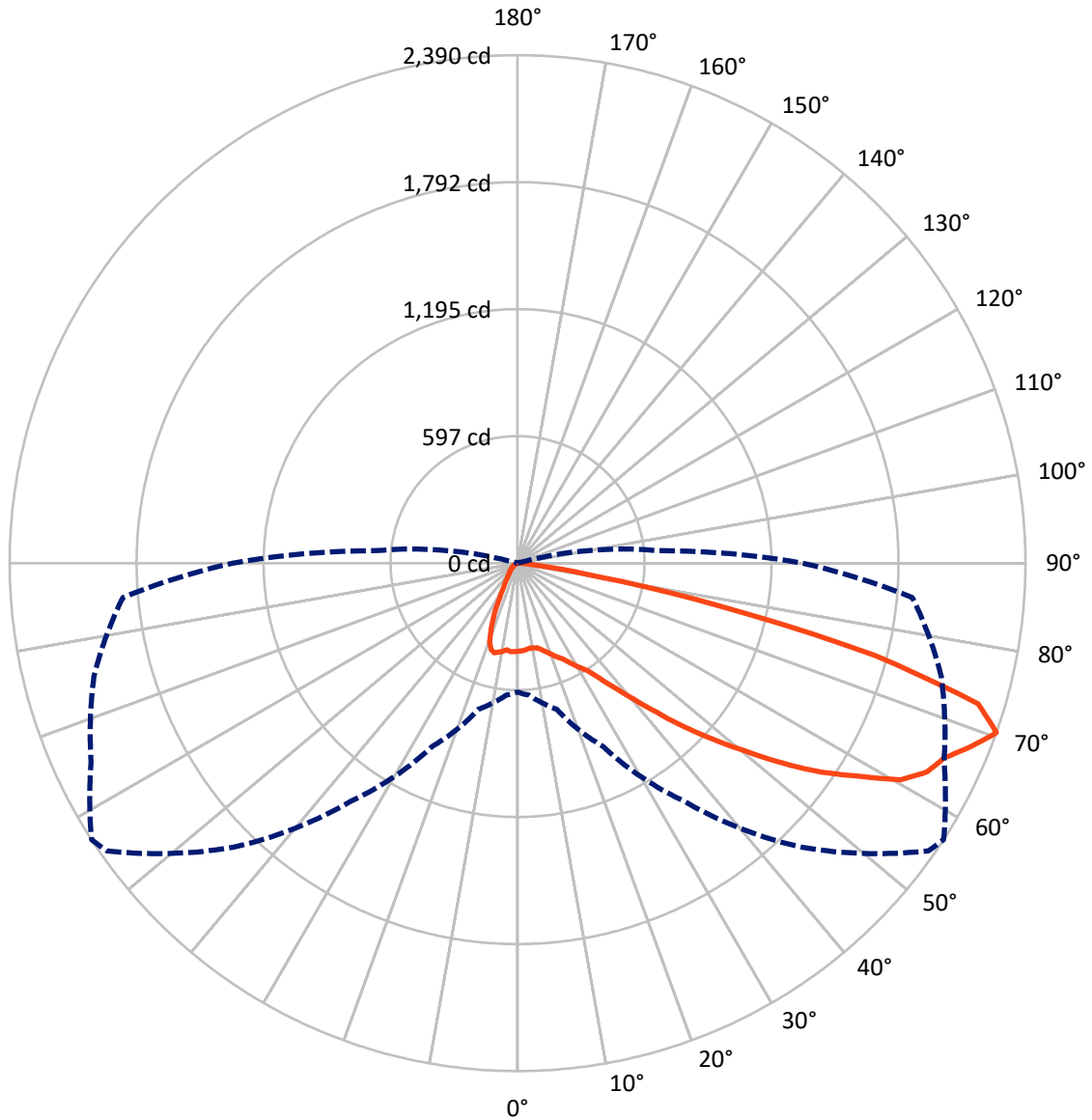
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 fc  
 Type III - Medium - N/A

REPORT NUMBER: P673232  
CATALOG NUMBER: CCP-SA-1D-727-U-T3-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P673232

CATALOG NUMBER: CCP-SA-1D-727-U-T3-HSS

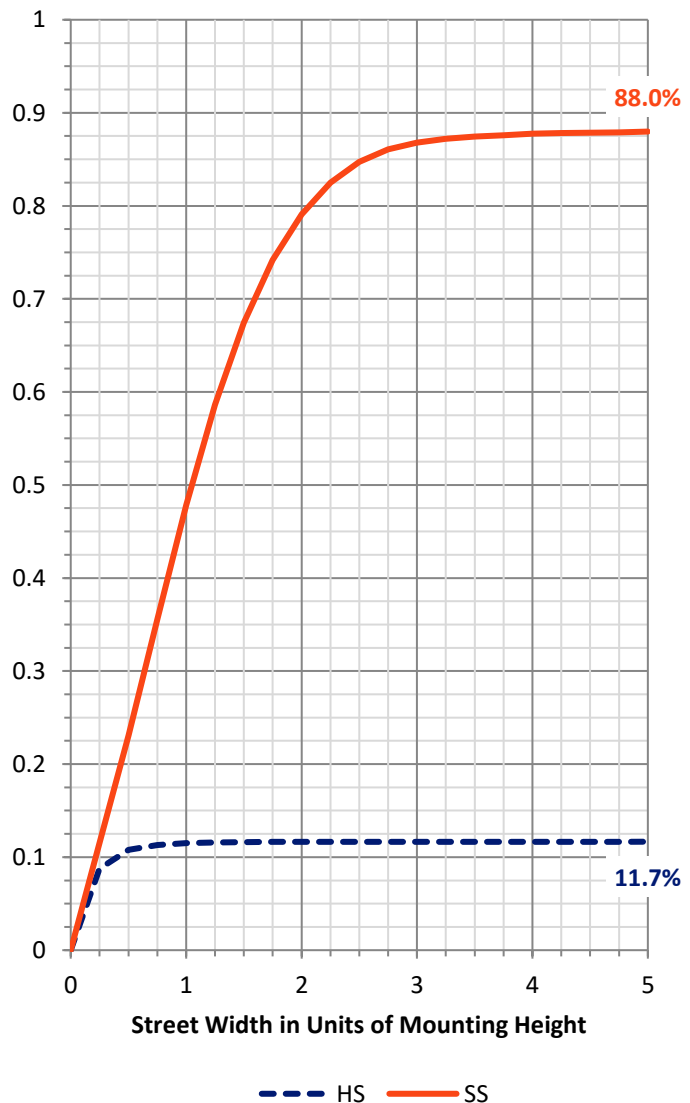
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	396.1	0.0	396.1
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	2963.9	0.0	2963.9
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	3360.0	0.0	3360.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.8	1.2
10°-20°	108.3	3.2
20°-30°	182.5	5.4
30°-40°	312.3	9.3
40°-50°	524.3	15.6
50°-60°	804.8	24.0
60°-70°	929.2	27.7
70°-80°	438.9	13.1
80°-90°	20.8	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°	3360.0	100.0
0°-180°	3360.0	100.0



REPORT NUMBER: P673232

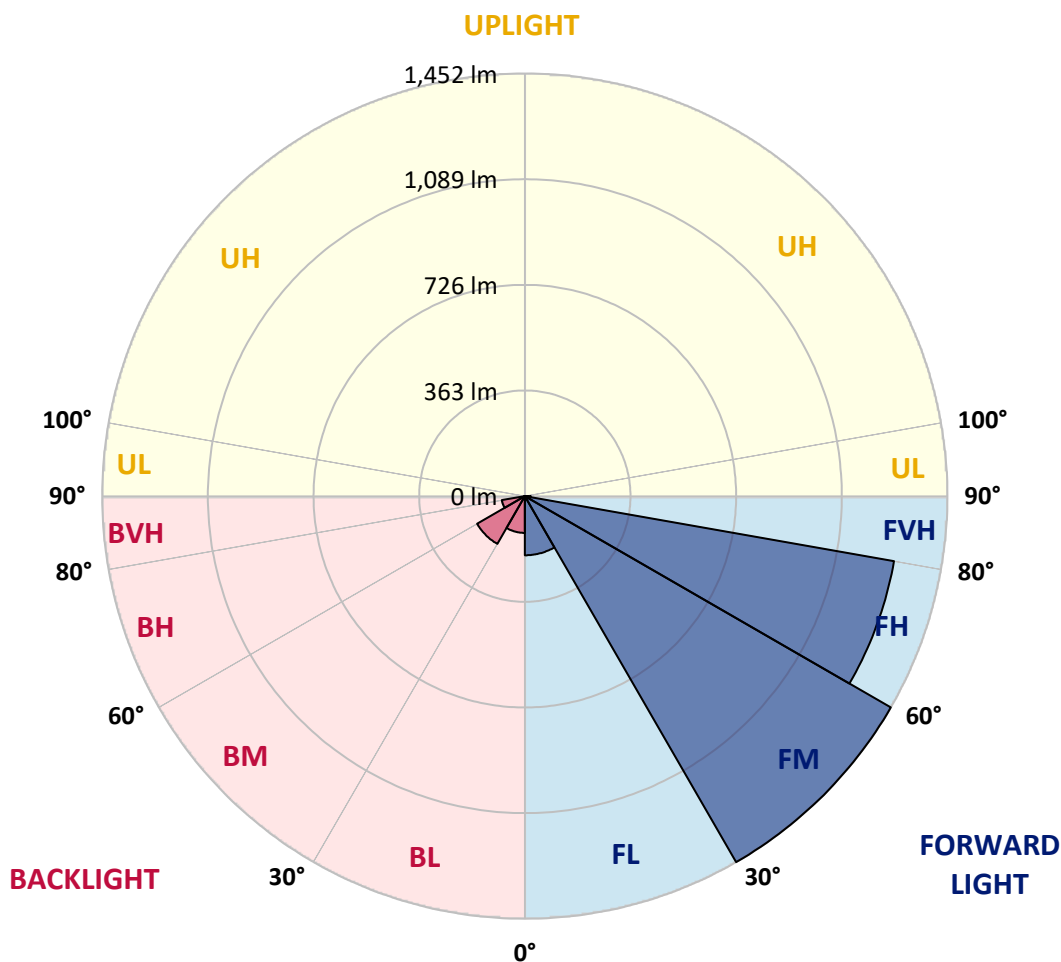
CATALOG NUMBER: CCP-SA-1D-727-U-T3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	203.3	6.0			
FM (30°-60°)	1452.1	43.2			
FH (60°-80°)	1288.1	38.3			G1/1800
FVH (80°-90°)	20.5	0.6			G1/100
BL (0°-30°)	126.3	3.8	B1/500		
BM (30°-60°)	189.3	5.6	B0/220		
BH (60°-80°)	80.1	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





REPORT NUMBER: P673232  
 CATALOG NUMBER: CCP-SA-1D-727-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6
2.5°	408.6	406.0	408.6	412.0	408.6	411.1	410.3	412.9	409.4	409.4	412.0
5°	382.0	386.3	388.0	392.3	396.6	404.3	409.4	409.4	414.6	417.2	420.6
7.5°	372.5	365.7	372.5	376.0	380.2	393.1	400.8	404.3	411.1	420.6	425.7
10°	358.8	363.9	363.9	375.1	381.1	388.8	402.6	405.1	420.6	430.0	435.2
12.5°	357.9	357.9	362.2	369.9	382.0	396.6	413.7	408.6	424.9	442.0	450.6
15°	360.5	366.5	366.5	376.8	386.3	406.9	421.4	422.3	445.5	462.6	470.4
17.5°	371.7	369.1	372.5	378.5	393.1	412.9	436.9	439.5	466.1	489.3	500.4
20°	394.8	399.1	394.0	390.5	396.6	422.3	453.2	458.4	488.4	510.7	521.9
22.5°	481.5	478.1	457.5	433.5	423.2	435.2	468.7	480.7	515.9	542.5	551.9
25°	579.4	573.4	549.3	513.3	466.1	460.9	499.6	499.6	550.2	579.4	576.8
27.5°	672.1	670.4	642.0	604.3	537.3	500.4	524.4	533.9	588.8	612.9	601.7
30°	766.5	768.2	742.5	697.0	626.6	563.9	559.6	567.4	618.0	655.8	632.6
32.5°	876.4	860.9	842.9	780.2	715.9	645.5	605.1	601.7	650.6	685.0	654.1
35°	974.2	964.8	945.0	888.4	814.6	730.4	673.8	665.2	691.8	737.3	703.8
37.5°	1060.0	1050.6	1024.9	987.1	929.6	836.0	756.2	743.3	754.5	802.5	762.2
40°	1133.9	1136.4	1129.6	1092.7	1039.4	954.5	862.6	842.0	832.6	875.5	830.0
42.5°	1187.1	1212.0	1213.7	1168.2	1125.3	1078.9	975.9	959.6	937.3	973.4	941.6
45°	1298.7	1284.9	1293.5	1277.2	1230.0	1223.1	1106.4	1097.0	1066.1	1078.1	1044.6
47.5°	1386.2	1383.6	1399.9	1373.3	1360.5	1361.3	1254.9	1238.6	1194.8	1217.1	1179.4
50°	1436.9	1423.1	1482.3	1502.9	1500.4	1510.7	1405.1	1391.4	1349.3	1381.9	1301.2
52.5°	1448.9	1473.8	1529.6	1604.2	1636.0	1657.4	1569.0	1563.9	1518.4	1539.0	1427.4
55°	1478.9	1502.9	1535.6	1658.3	1775.9	1781.0	1730.4	1735.6	1695.2	1690.1	1547.6
57.5°	1478.1	1472.9	1563.0	1705.5	1868.6	1942.4	1914.9	1890.1	1846.3	1795.6	1624.8
60°	1424.0	1421.4	1515.0	1711.5	1919.2	2088.3	2099.5	2070.3	1960.4	1885.8	1715.8
62.5°	1316.7	1327.0	1421.4	1660.0	1967.3	2140.7	2181.9	2162.1	2025.7	1945.8	1823.1
65°	1193.9	1172.5	1282.4	1531.3	1859.2	2125.2	2214.5	2207.6	2102.9	2011.1	1921.8
67.5°	957.9	967.3	1051.5	1317.5	1674.6	2068.6	2290.9	2301.2	2164.7	2068.6	1951.9
70°	606.8	624.0	711.6	951.9	1367.3	1890.1	2359.6	2389.6	2213.6	2063.4	1864.3
72.5°	176.8	183.7	303.0	474.7	871.2	1515.8	2249.7	2265.1	2118.4	1872.9	1442.0
75°	58.4	61.8	89.3	154.5	341.6	783.7	1661.7	1734.7	1685.8	1357.9	824.9
77.5°	38.6	40.3	48.9	73.8	129.6	245.5	891.0	969.1	950.2	636.0	266.1
80°	28.3	29.2	36.1	49.8	79.0	88.4	328.7	380.2	367.4	145.9	53.2
82.5°	18.0	18.0	26.6	35.2	49.8	43.8	95.3	105.6	103.0	55.8	20.6
85°	12.0	12.9	19.7	27.5	27.5	20.6	27.5	31.8	34.3	30.0	9.4
87.5°	3.4	4.3	11.2	18.9	11.2	10.3	9.4	10.3	12.0	16.3	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P673232  
 CATALOG NUMBER: CCP-SA-1D-727-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6
2.5°	414.6	418.0	417.2	418.9	416.3	413.7	416.3	416.3	416.3	413.7	412.0
5°	418.0	416.3	418.0	414.6	418.0	414.6	412.9	407.7	406.9	406.9	410.3
7.5°	423.2	424.9	417.2	417.2	409.4	411.1	406.9	407.7	406.0	403.4	401.7
10°	430.9	437.8	430.0	427.5	418.9	412.0	401.7	396.6	396.6	393.1	396.6
12.5°	452.3	449.8	445.5	436.9	426.6	412.9	388.0	363.1	342.5	327.0	334.8
15°	469.5	468.7	462.6	446.3	432.6	390.5	327.9	263.5	229.2	213.7	211.2
17.5°	496.1	493.5	483.2	461.8	416.3	323.6	224.9	170.8	137.3	129.6	127.0
20°	521.0	520.2	497.8	470.4	375.1	236.0	146.8	112.4	103.0	103.9	102.1
22.5°	547.6	543.3	516.7	460.1	298.7	157.1	104.7	100.4	97.0	96.1	97.9
25°	577.7	562.2	535.6	436.9	219.7	108.2	98.7	95.3	91.8	91.0	91.0
27.5°	589.7	579.4	544.2	381.1	139.1	94.4	92.7	88.4	84.1	81.5	80.7
30°	617.1	600.0	552.8	299.6	98.7	86.7	84.1	79.0	73.0	68.7	68.7
32.5°	644.6	624.0	553.6	209.4	82.4	78.1	73.8	67.0	59.2	54.9	55.8
35°	678.9	650.6	544.2	135.6	73.8	68.7	60.1	52.4	45.5	42.1	42.1
37.5°	737.3	710.7	505.6	89.3	67.0	58.4	49.8	41.2	35.2	32.6	32.6
40°	811.1	776.8	452.3	70.4	59.2	49.8	39.5	31.8	28.3	25.8	25.8
42.5°	899.5	856.6	373.4	62.7	52.4	41.2	30.9	24.9	21.5	21.5	20.6
45°	987.9	917.6	292.7	57.5	46.4	34.3	24.0	19.7	18.0	17.2	17.2
47.5°	1114.1	991.4	209.4	52.4	40.3	26.6	19.7	16.3	14.6	13.7	14.6
50°	1235.1	1060.9	148.5	47.2	33.5	21.5	16.3	14.6	12.9	12.0	12.0
52.5°	1341.6	1109.0	103.9	41.2	28.3	18.0	14.6	12.9	12.0	11.2	11.2
55°	1399.9	1092.7	71.2	35.2	23.2	15.5	12.9	11.2	10.3	9.4	9.4
57.5°	1460.0	1047.2	54.1	29.2	18.9	14.6	12.0	10.3	9.4	8.6	8.6
60°	1510.7	1013.7	42.1	23.2	15.5	12.0	10.3	8.6	7.7	6.9	6.0
62.5°	1513.2	946.7	30.9	17.2	12.0	10.3	8.6	6.9	4.3	3.4	2.6
65°	1523.5	876.4	22.3	12.9	8.6	7.7	6.0	3.4	1.7	0.0	0.0
67.5°	1487.5	793.1	18.0	9.4	6.0	4.3	2.6	0.9	0.0	0.0	0.0
70°	1340.7	669.5	13.7	6.9	4.3	2.6	0.9	0.0	0.0	0.0	0.0
72.5°	959.6	435.2	9.4	5.2	1.7	0.9	0.0	0.0	0.0	0.0	0.0
75°	511.6	185.4	6.9	3.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	160.5	47.2	4.3	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	35.2	12.9	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	12.0	5.2	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)