

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: P674527

Luminaire Tested: **CCP-SA-1C-727-U-T2R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674527  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-727-U-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T2R distribution lens and House Side Shield  
Light Source: (16) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

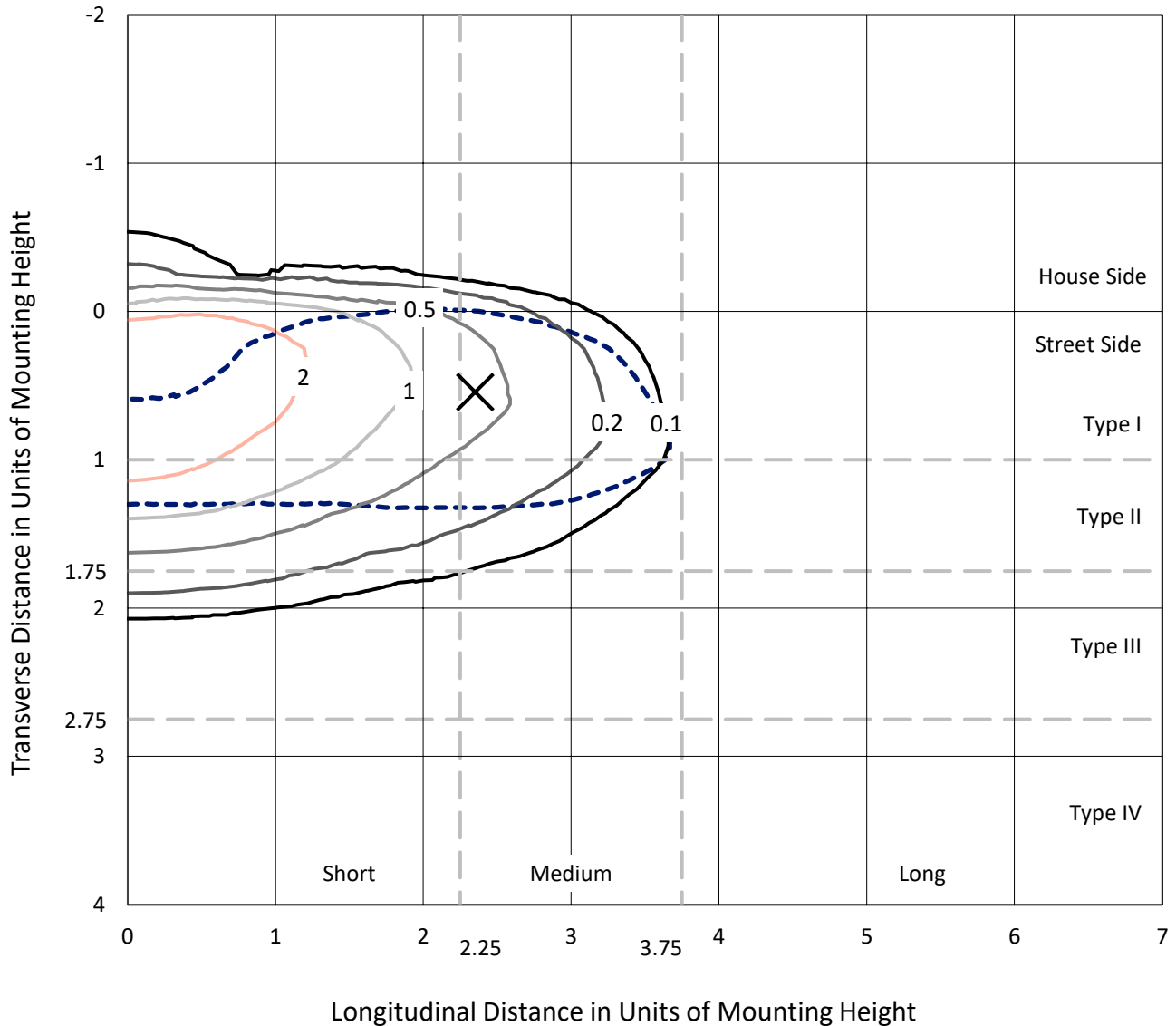
Lumens per Lamp: N/A  
Luminaire Lumens: 3061.6 lumens  
Efficiency: N/A  
Efficacy: 95.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G1

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

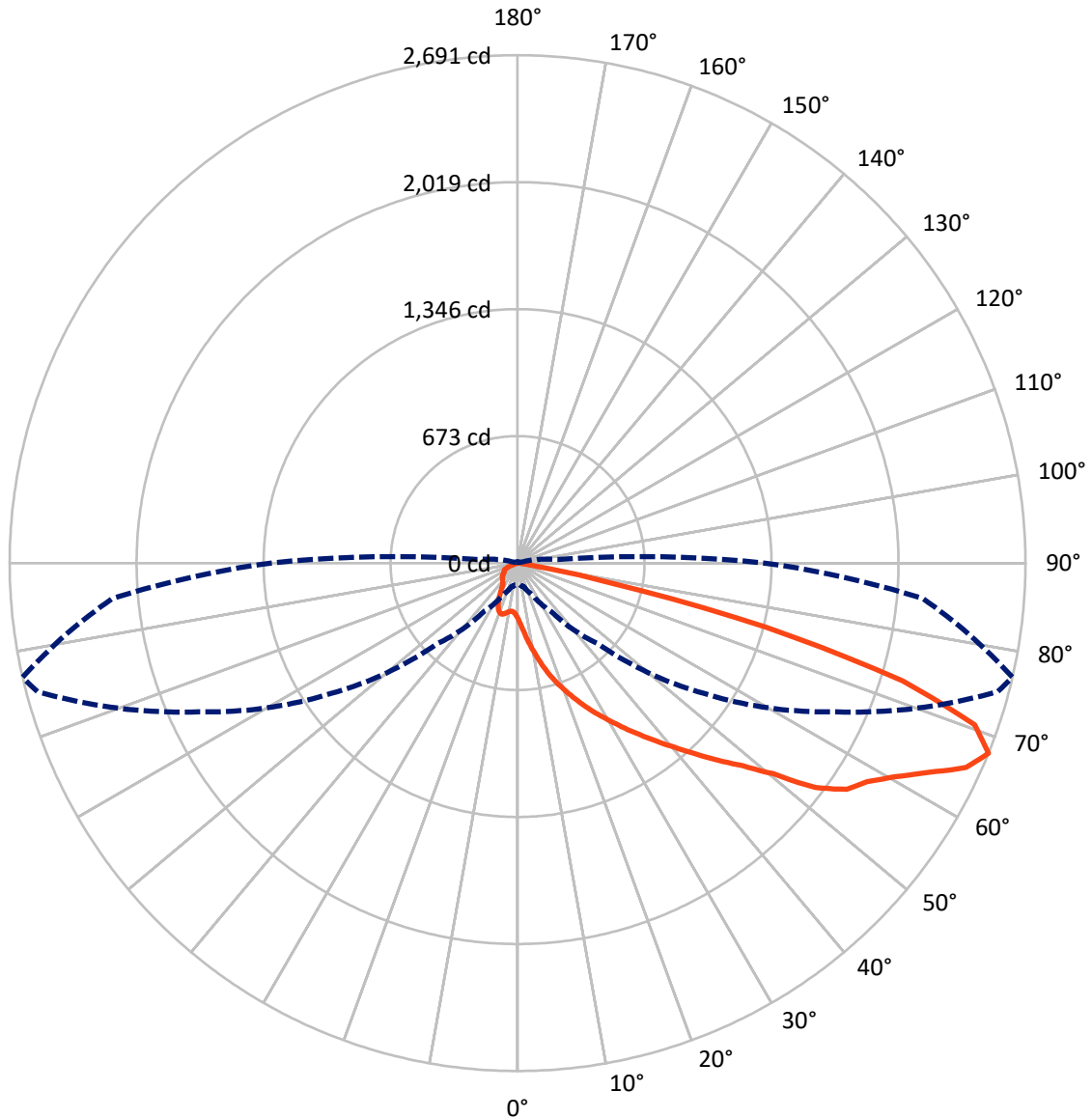
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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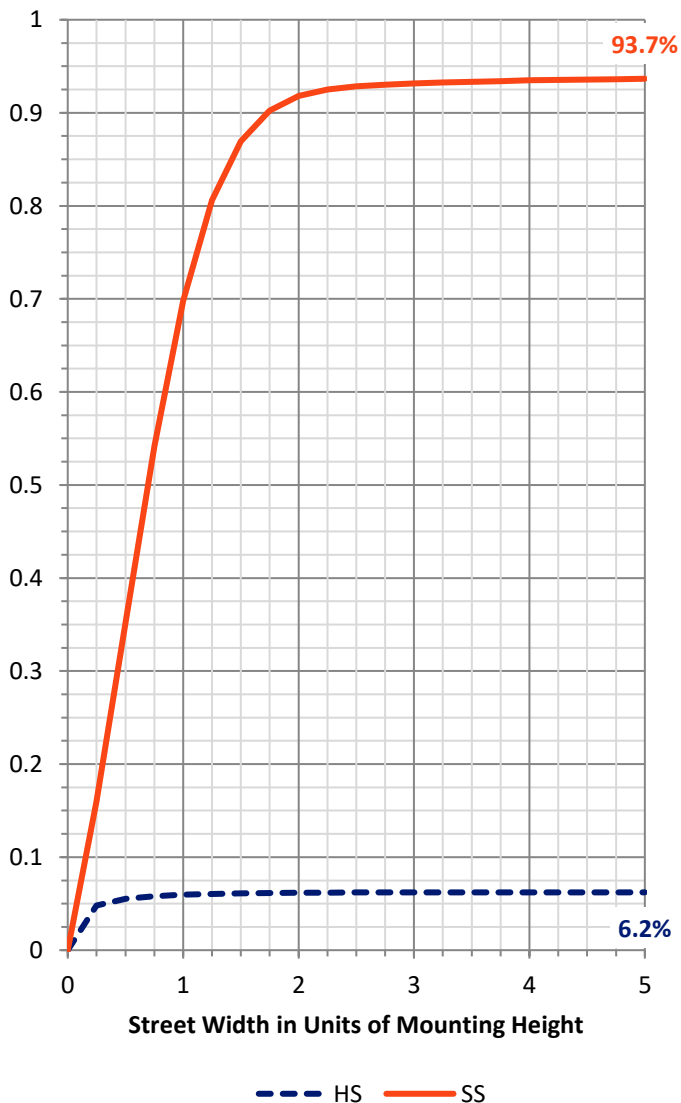
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	191.3	0.0	191.3
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	2870.3	0.0	2870.3
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	3061.6	0.0	3061.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.5	1.1
10°-20°	127.4	4.2
20°-30°	249.0	8.1
30°-40°	435.3	14.2
40°-50°	634.9	20.7
50°-60°	742.4	24.2
60°-70°	601.8	19.7
70°-80°	226.1	7.4
80°-90°	10.3	0.3
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°	3061.6	100.0
0°-180°	3061.6	100.0



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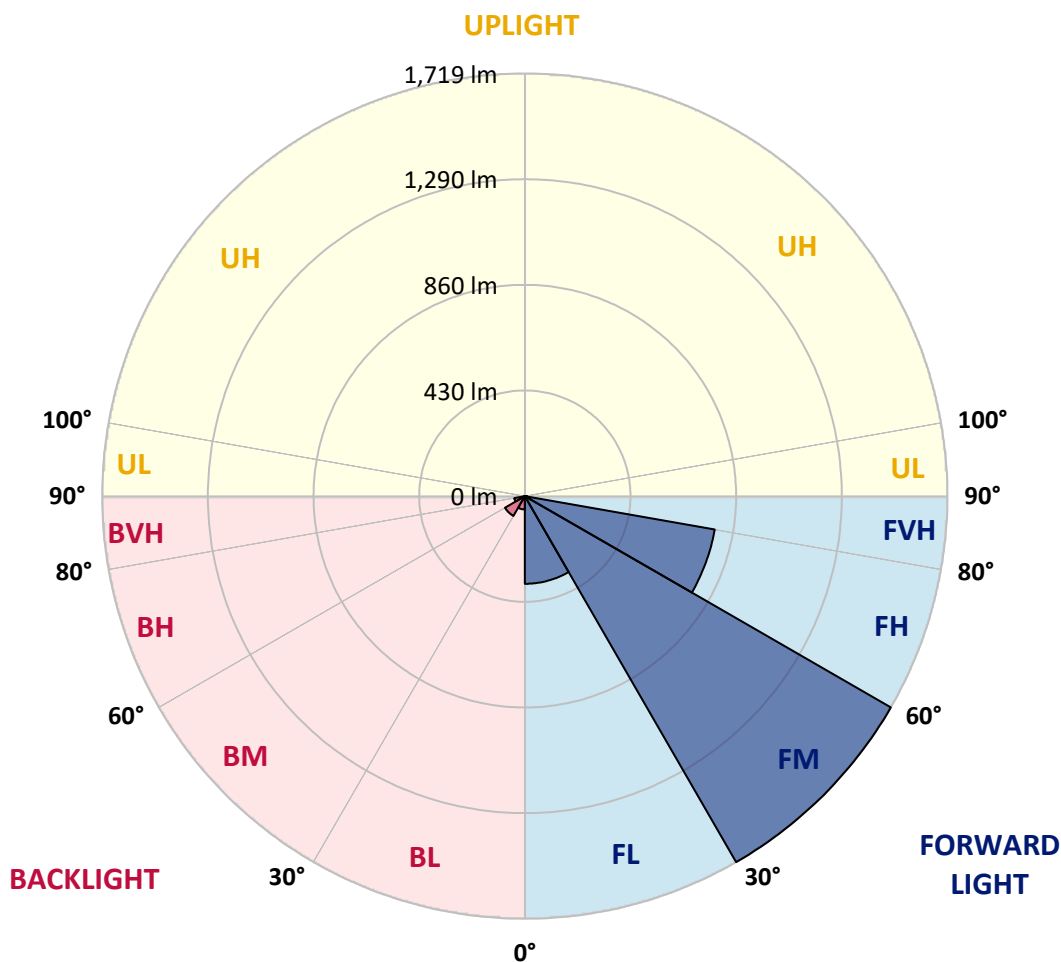
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	356.6	11.6			
FM (30°-60°)	1719.5	56.2			
FH (60°-80°)	784.5	25.6			G1/1800
FVH (80°-90°)	9.7	0.3			G0/10
BL (0°-30°)	54.3	1.8	B0/110		
BM (30°-60°)	93.1	3.0	B0/220		
BH (60°-80°)	43.4	1.4	B0/110		G0/110
BVH (80°-90°)	0.6	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 II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2
2.5°	440.3	424.2	427.3	420.7	412.1	392.2	371.2	350.2	331.4	327.2	308.4
5°	563.8	558.8	553.6	549.2	531.2	506.3	468.5	420.4	377.0	369.5	330.6
7.5°	659.7	652.3	657.0	643.4	624.6	600.6	552.5	501.1	434.2	423.1	362.6
10°	730.5	726.3	728.5	722.2	713.1	689.0	641.5	577.1	499.7	478.7	398.5
12.5°	783.5	784.4	794.0	794.6	787.1	767.5	717.2	650.1	559.1	540.3	438.3
15°	822.2	823.1	835.0	847.7	856.2	846.0	800.4	725.2	629.0	603.3	480.1
17.5°	828.6	829.2	850.2	875.9	902.4	911.2	876.1	799.9	692.9	663.6	527.9
20°	832.7	837.4	856.2	885.8	927.8	955.2	936.1	871.4	754.8	720.8	574.9
22.5°	883.0	883.0	894.1	915.1	948.5	991.4	987.5	937.2	815.1	781.3	621.6
25°	989.7	989.7	979.0	973.4	991.4	1025.1	1034.8	1007.4	883.9	844.1	670.8
27.5°	1131.0	1131.0	1114.1	1073.5	1058.0	1072.1	1082.3	1068.5	947.4	908.2	722.7
30°	1277.4	1282.4	1253.1	1201.4	1147.3	1136.5	1126.5	1123.5	1015.2	970.9	775.5
32.5°	1424.5	1423.9	1387.4	1323.0	1252.3	1214.2	1181.8	1178.2	1087.0	1043.6	825.6
35°	1541.9	1542.2	1503.8	1437.7	1355.9	1307.3	1255.3	1238.5	1165.8	1117.4	885.3
37.5°	1643.7	1637.8	1596.4	1533.7	1457.4	1407.1	1342.4	1298.4	1247.3	1198.1	945.0
40°	1702.0	1694.2	1653.9	1594.2	1536.4	1498.0	1441.1	1370.9	1336.9	1283.8	1012.9
42.5°	1710.5	1703.9	1677.1	1641.2	1593.9	1560.2	1545.0	1452.7	1430.8	1382.7	1094.2
45°	1686.5	1675.7	1666.9	1648.1	1634.8	1618.5	1639.2	1539.7	1538.6	1490.8	1174.6
47.5°	1626.8	1612.1	1614.4	1635.1	1650.0	1664.7	1729.3	1653.9	1647.2	1602.5	1280.2
50°	1524.8	1517.6	1541.9	1582.8	1642.0	1700.6	1819.2	1770.5	1796.8	1754.8	1425.9
52.5°	1317.5	1326.4	1399.1	1497.4	1599.7	1717.4	1903.5	1944.6	2011.8	1977.2	1572.3
55°	1068.8	1065.5	1162.5	1337.1	1500.5	1706.7	1940.2	2047.2	2152.8	2116.5	1653.9
57.5°	860.9	866.7	932.2	1105.0	1332.2	1623.5	1948.8	2100.8	2209.4	2185.4	1729.3
60°	646.2	651.7	711.4	861.8	1108.3	1449.9	1878.0	2119.6	2315.8	2297.6	1849.8
62.5°	411.3	418.4	478.4	624.6	847.1	1180.2	1719.1	2100.0	2426.9	2442.1	2014.3
65°	202.3	208.7	252.9	364.8	566.3	882.5	1497.4	2025.1	2568.4	2611.8	2146.1
67.5°	111.9	115.0	130.2	185.7	315.9	605.3	1203.4	1865.0	2633.4	2691.4	2155.0
70°	87.1	87.9	93.7	108.3	153.9	355.2	856.0	1598.6	2498.8	2569.0	1975.6
72.5°	73.2	74.3	77.1	82.1	96.2	184.9	537.8	1235.4	2102.4	2134.2	1528.4
75°	53.6	55.3	63.0	67.4	76.0	112.2	237.1	742.4	1389.4	1358.1	855.1
77.5°	45.1	46.4	48.4	54.7	62.7	76.6	83.2	311.2	565.5	491.7	224.4
80°	30.7	32.3	37.6	40.9	53.1	50.6	34.5	83.5	113.6	92.6	43.1
82.5°	21.8	23.2	26.0	33.4	38.4	26.8	18.8	25.4	27.4	26.0	14.1
85°	6.9	8.8	18.8	27.6	20.7	9.1	11.9	9.7	8.6	8.3	5.5
87.5°	1.4	1.4	9.4	11.1	8.3	4.7	4.1	3.0	3.9	3.9	3.0
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°	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2
2.5°	299.6	287.2	269.2	252.3	235.2	223.0	214.5	205.9	202.6	201.2	197.6
5°	312.9	289.1	253.4	224.7	203.7	190.4	182.4	175.5	171.1	169.7	167.8
7.5°	331.9	297.7	246.5	213.4	192.4	178.0	165.0	150.1	138.2	133.5	131.6
10°	352.7	310.7	247.6	211.2	183.2	151.7	122.7	98.7	88.2	84.3	81.5
12.5°	383.1	325.0	252.3	208.7	155.9	108.3	78.5	68.5	66.1	65.5	65.0
15°	413.5	345.2	260.1	192.1	116.4	73.8	65.2	61.6	60.3	58.9	58.9
17.5°	444.1	364.5	263.1	159.7	80.4	63.8	59.4	56.4	54.2	53.1	52.2
20°	478.7	385.0	254.3	120.2	64.4	58.3	53.3	49.7	47.8	46.7	45.9
22.5°	516.0	405.2	234.9	83.7	58.6	52.5	47.8	44.2	42.3	41.2	40.9
25°	551.1	422.6	204.0	63.0	52.8	47.0	42.6	39.5	38.1	37.0	36.8
27.5°	587.3	437.5	163.6	55.6	48.1	42.6	38.1	35.7	34.3	33.4	33.2
30°	622.7	447.7	121.9	50.9	43.9	38.4	34.5	32.6	31.2	30.4	30.1
32.5°	659.2	453.5	82.4	46.7	39.8	34.8	31.5	29.6	28.7	27.9	27.9
35°	694.3	452.7	59.4	42.8	36.5	31.5	28.5	27.1	26.8	26.0	26.0
37.5°	732.7	446.9	50.6	39.2	32.9	28.5	26.0	25.2	24.9	24.3	24.0
40°	776.4	433.9	46.2	36.5	29.8	26.0	23.8	23.2	22.9	22.4	22.4
42.5°	824.2	417.1	43.7	33.4	27.4	23.5	21.8	21.0	20.7	20.2	20.2
45°	879.7	401.0	42.0	30.4	25.2	21.6	19.9	19.1	18.8	18.2	18.2
47.5°	955.5	391.9	39.2	27.6	22.7	19.6	18.0	17.4	16.9	16.3	16.3
50°	1059.7	381.1	35.7	24.9	20.7	17.7	16.6	15.8	15.5	14.9	14.9
52.5°	1145.3	358.2	32.1	22.1	18.5	16.3	15.2	14.6	14.1	13.8	13.8
55°	1175.5	331.4	28.5	19.9	16.9	15.2	14.1	13.5	13.3	13.0	13.0
57.5°	1223.5	322.8	25.2	17.7	15.2	14.1	13.0	12.7	12.4	12.2	11.9
60°	1305.6	327.8	22.1	15.8	13.8	12.7	11.9	11.6	11.1	10.5	10.5
62.5°	1385.2	321.7	18.8	13.8	11.9	11.3	10.5	9.9	8.8	8.0	7.5
65°	1404.6	281.1	16.3	11.6	9.9	9.4	8.6	7.5	5.8	4.7	4.7
67.5°	1310.9	213.6	14.1	9.9	8.3	7.7	6.1	5.0	3.6	2.8	2.8
70°	1081.8	135.4	11.6	7.7	6.9	5.3	3.9	3.6	2.5	2.2	1.9
72.5°	780.5	74.1	9.7	6.4	5.0	3.3	2.8	2.2	1.7	1.1	1.1
75°	395.2	34.8	7.2	5.0	3.3	2.2	1.7	1.1	1.1	0.8	0.8
77.5°	111.9	16.0	4.7	3.3	2.2	1.4	1.1	0.8	0.8	0.6	0.6
80°	22.1	8.0	3.0	2.2	1.7	1.1	0.8	0.6	0.6	0.3	0.3
82.5°	8.0	4.1	2.2	1.7	1.4	1.1	0.6	0.3	0.3	0.0	0.0
85°	4.1	2.2	1.7	1.4	1.1	0.8	0.6	0.3	0.0	0.0	0.0
87.5°	2.2	1.7	1.4	1.4	1.1	0.8	0.6	0.3	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)