

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: P674559

Luminaire Tested: **CCP-SA-1B-740-U-T2R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674559  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1B-740-U-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T2R distribution lens and House Side Shield  
Light Source: (16) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

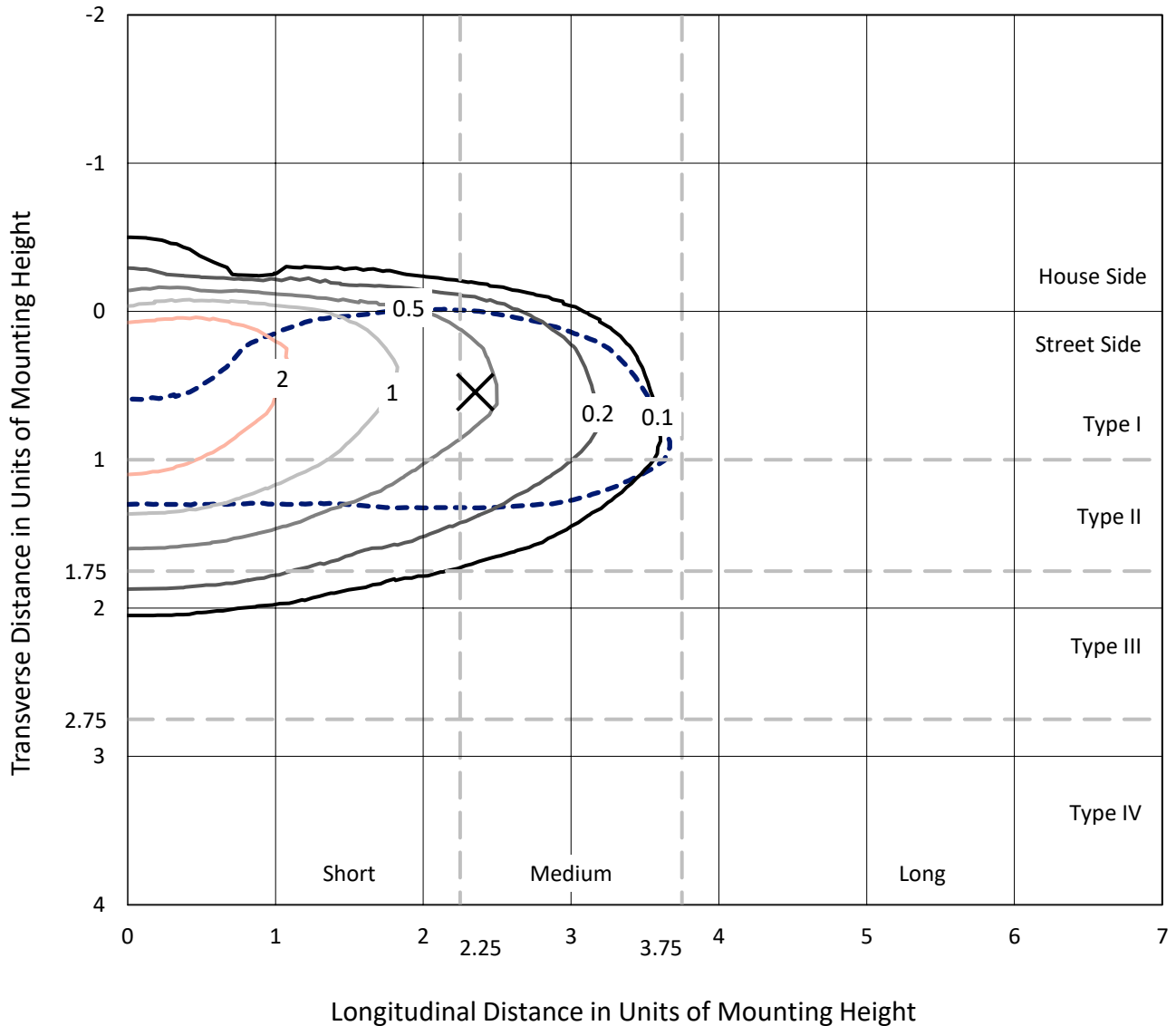
Lumens per Lamp: N/A  
Luminaire Lumens: 2796.4 lumens  
Efficiency: N/A  
Efficacy: 116.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G1

Input Watts (W): 24  
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: P674559  
 CATALOG NUMBER: CCP-SA-1B-740-U-T2R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

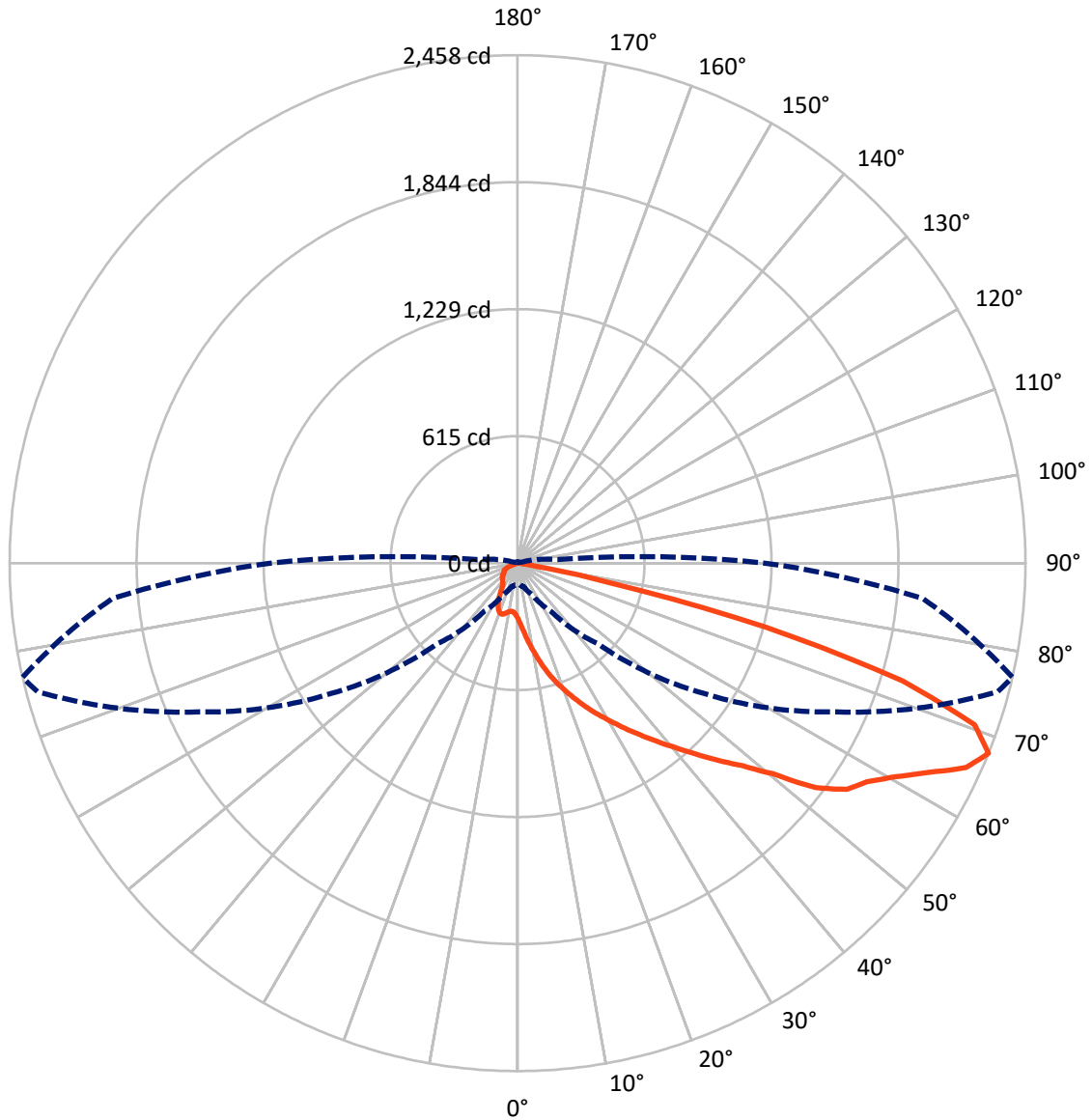
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 fc  
 Type II - Medium - N/A

REPORT NUMBER: P674559  
CATALOG NUMBER: CCP-SA-1B-740-U-T2R-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P674559  
 CATALOG NUMBER: CCP-SA-1B-740-U-T2R-HSS

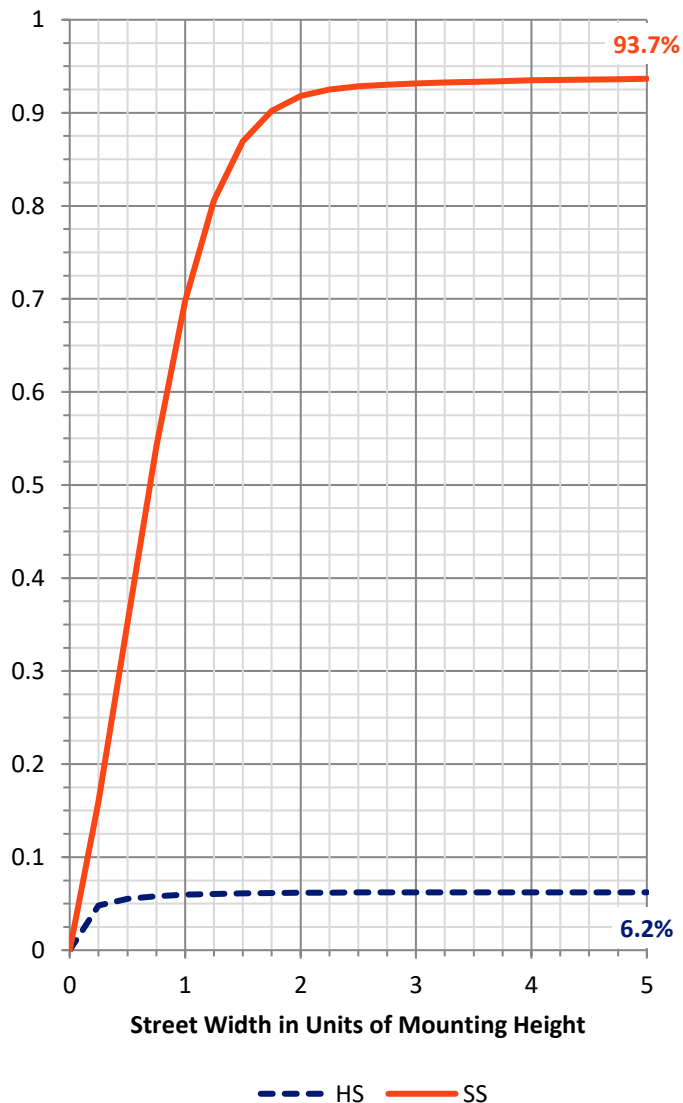
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	174.8	0.0	174.8
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	2621.6	0.0	2621.6
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	2796.4	0.0	2796.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.5	1.1
10°-20°	116.4	4.2
20°-30°	227.4	8.1
30°-40°	397.6	14.2
40°-50°	579.9	20.7
50°-60°	678.1	24.2
60°-70°	549.7	19.7
70°-80°	206.5	7.4
80°-90°	9.4	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°	2796.4	100.0
0°-180°	2796.4	100.0



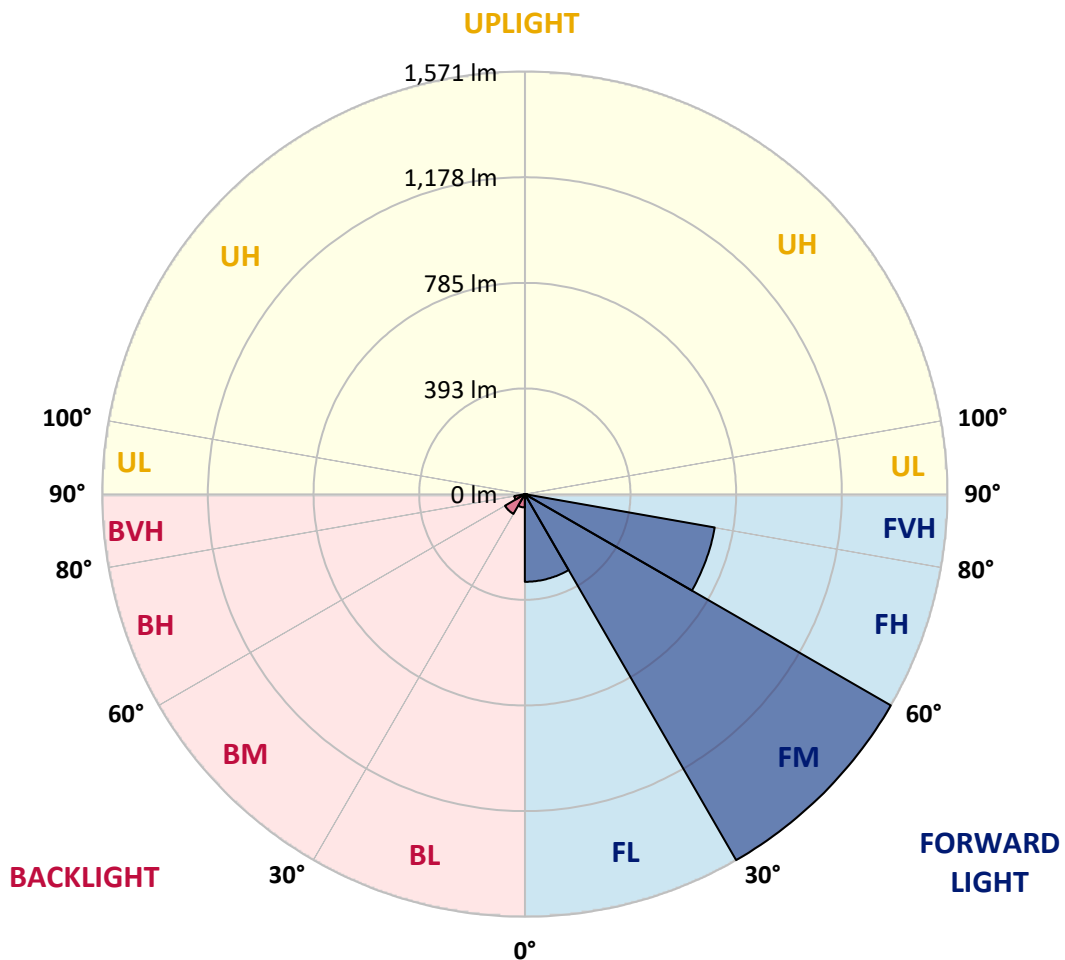
REPORT NUMBER: P674559  
 CATALOG NUMBER: CCP-SA-1B-740-U-T2R-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	325.8	11.6			
FM (30°-60°)	1570.5	56.2			
FH (60°-80°)	716.5	25.6			G1/1800
FVH (80°-90°)	8.8	0.3			G0/10
BL (0°-30°)	49.6	1.8	B0/110		
BM (30°-60°)	85.0	3.0	B0/220		
BH (60°-80°)	39.6	1.4	B0/110		G0/110
BVH (80°-90°)	0.5	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





REPORT NUMBER: P674559  
 CATALOG NUMBER: CCP-SA-1B-740-U-T2R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8
2.5°	402.1	387.5	390.3	384.2	376.4	358.2	339.0	319.8	302.7	298.9	281.7
5°	515.0	510.4	505.6	501.6	485.2	462.5	427.9	384.0	344.3	337.5	301.9
7.5°	602.6	595.8	600.1	587.7	570.5	548.6	504.6	457.7	396.6	386.5	331.2
10°	667.2	663.4	665.4	659.6	651.3	629.3	585.9	527.1	456.4	437.2	364.0
12.5°	715.7	716.4	725.3	725.8	719.0	701.0	655.1	593.7	510.7	493.5	400.4
15°	751.0	751.8	762.6	774.2	782.1	772.7	731.1	662.4	574.6	551.1	438.5
17.5°	756.8	757.3	776.5	800.0	824.2	832.3	800.2	730.6	632.9	606.1	482.2
20°	760.6	764.9	782.1	809.1	847.4	872.4	855.0	796.0	689.4	658.4	525.1
22.5°	806.6	806.6	816.7	835.8	866.4	905.5	902.0	856.0	744.5	713.7	567.7
25°	904.0	904.0	894.2	889.1	905.5	936.3	945.1	920.2	807.3	771.0	612.7
27.5°	1033.0	1033.0	1017.6	980.5	966.4	979.2	988.6	975.9	865.4	829.5	660.1
30°	1166.8	1171.3	1144.6	1097.4	1047.9	1038.0	1029.0	1026.2	927.2	886.8	708.4
32.5°	1301.1	1300.6	1267.3	1208.4	1143.8	1109.0	1079.4	1076.2	992.9	953.2	754.0
35°	1408.4	1408.6	1373.5	1313.2	1238.5	1194.1	1146.6	1131.2	1064.8	1020.6	808.6
37.5°	1501.3	1496.0	1458.1	1400.8	1331.1	1285.2	1226.1	1186.0	1139.3	1094.3	863.1
40°	1554.5	1547.5	1510.6	1456.1	1403.3	1368.2	1316.2	1252.1	1221.1	1172.6	925.2
42.5°	1562.4	1556.3	1531.8	1499.0	1455.8	1425.0	1411.2	1326.8	1306.9	1263.0	999.4
45°	1540.4	1530.6	1522.5	1505.3	1493.2	1478.3	1497.2	1406.4	1405.3	1361.7	1072.9
47.5°	1485.9	1472.5	1474.5	1493.5	1507.1	1520.5	1579.5	1510.6	1504.6	1463.7	1169.3
50°	1392.7	1386.2	1408.4	1445.7	1499.8	1553.3	1661.6	1617.1	1641.1	1602.8	1302.4
52.5°	1203.4	1211.5	1277.9	1367.7	1461.1	1568.7	1738.6	1776.2	1837.5	1806.0	1436.1
55°	976.2	973.2	1061.8	1221.3	1370.5	1558.8	1772.1	1869.8	1966.3	1933.2	1510.6
57.5°	786.4	791.7	851.5	1009.3	1216.8	1482.8	1780.0	1918.8	2018.0	1996.1	1579.5
60°	590.2	595.3	649.8	787.1	1012.3	1324.3	1715.3	1936.0	2115.2	2098.6	1689.6
62.5°	375.6	382.2	437.0	570.5	773.7	1077.9	1570.2	1918.1	2216.7	2230.6	1839.8
65°	184.8	190.6	231.0	333.2	517.3	806.0	1367.7	1849.6	2345.9	2385.6	1960.2
67.5°	102.2	105.0	118.9	169.6	288.5	552.8	1099.1	1703.5	2405.3	2458.3	1968.3
70°	79.5	80.3	85.6	99.0	140.6	324.4	781.8	1460.1	2282.3	2346.5	1804.5
72.5°	66.9	67.9	70.4	75.0	87.9	168.9	491.3	1128.4	1920.3	1949.4	1396.0
75°	49.0	50.5	57.6	61.6	69.4	102.5	216.6	678.1	1269.0	1240.5	781.1
77.5°	41.1	42.4	44.2	50.0	57.3	69.9	76.0	284.3	516.5	449.1	205.0
80°	28.0	29.5	34.3	37.4	48.5	46.2	31.6	76.2	103.8	84.6	39.4
82.5°	19.9	21.2	23.7	30.5	35.1	24.5	17.2	23.2	25.0	23.7	12.9
85°	6.3	8.1	17.2	25.2	18.9	8.3	10.9	8.8	7.8	7.6	5.0
87.5°	1.3	1.3	8.6	10.1	7.6	4.3	3.8	2.8	3.5	3.5	2.8
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: P674559  
 CATALOG NUMBER: CCP-SA-1B-740-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8
2.5°	273.6	262.3	245.9	230.5	214.8	203.7	195.9	188.1	185.0	183.8	180.5
5°	285.8	264.1	231.5	205.2	186.1	173.9	166.6	160.3	156.3	155.0	153.2
7.5°	303.2	271.9	225.2	194.9	175.7	162.6	150.7	137.1	126.2	121.9	120.2
10°	322.1	283.7	226.2	192.9	167.4	138.6	112.1	90.1	80.5	77.0	74.5
12.5°	349.9	296.9	230.5	190.6	142.4	99.0	71.7	62.6	60.3	59.8	59.3
15°	377.7	315.3	237.5	175.4	106.3	67.4	59.6	56.3	55.0	53.8	53.8
17.5°	405.7	333.0	240.3	145.9	73.5	58.3	54.3	51.5	49.5	48.5	47.7
20°	437.2	351.7	232.2	109.8	58.8	53.3	48.7	45.4	43.7	42.7	41.9
22.5°	471.3	370.1	214.6	76.5	53.5	48.0	43.7	40.4	38.6	37.6	37.4
25°	503.4	386.0	186.3	57.6	48.2	42.9	38.9	36.1	34.8	33.8	33.6
27.5°	536.4	399.6	149.4	50.7	43.9	38.9	34.8	32.6	31.3	30.5	30.3
30°	568.8	409.0	111.3	46.4	40.1	35.1	31.6	29.8	28.5	27.8	27.5
32.5°	602.1	414.3	75.2	42.7	36.4	31.8	28.8	27.0	26.3	25.5	25.5
35°	634.1	413.5	54.3	39.1	33.3	28.8	26.0	24.7	24.5	23.7	23.7
37.5°	669.2	408.2	46.2	35.8	30.0	26.0	23.7	23.0	22.7	22.2	22.0
40°	709.1	396.3	42.2	33.3	27.3	23.7	21.7	21.2	21.0	20.4	20.4
42.5°	752.8	380.9	39.9	30.5	25.0	21.5	19.9	19.2	18.9	18.4	18.4
45°	803.5	366.3	38.4	27.8	23.0	19.7	18.2	17.4	17.2	16.7	16.7
47.5°	872.7	358.0	35.8	25.2	20.7	17.9	16.4	15.9	15.4	14.9	14.9
50°	967.9	348.1	32.6	22.7	18.9	16.2	15.1	14.4	14.1	13.6	13.6
52.5°	1046.1	327.2	29.3	20.2	16.9	14.9	13.9	13.4	12.9	12.6	12.6
55°	1073.6	302.7	26.0	18.2	15.4	13.9	12.9	12.4	12.1	11.9	11.9
57.5°	1117.6	294.9	23.0	16.2	13.9	12.9	11.9	11.6	11.4	11.1	10.9
60°	1192.5	299.4	20.2	14.4	12.6	11.6	10.9	10.6	10.1	9.6	9.6
62.5°	1265.2	293.8	17.2	12.6	10.9	10.4	9.6	9.1	8.1	7.3	6.8
65°	1282.9	256.7	14.9	10.6	9.1	8.6	7.8	6.8	5.3	4.3	4.3
67.5°	1197.3	195.1	12.9	9.1	7.6	7.1	5.6	4.5	3.3	2.5	2.5
70°	988.1	123.7	10.6	7.1	6.3	4.8	3.5	3.3	2.3	2.0	1.8
72.5°	712.9	67.7	8.8	5.8	4.5	3.0	2.5	2.0	1.5	1.0	1.0
75°	361.0	31.8	6.6	4.5	3.0	2.0	1.5	1.0	1.0	0.8	0.8
77.5°	102.2	14.6	4.3	3.0	2.0	1.3	1.0	0.8	0.8	0.5	0.5
80°	20.2	7.3	2.8	2.0	1.5	1.0	0.8	0.5	0.5	0.3	0.3
82.5°	7.3	3.8	2.0	1.5	1.3	1.0	0.5	0.3	0.3	0.0	0.0
85°	3.8	2.0	1.5	1.3	1.0	0.8	0.5	0.3	0.0	0.0	0.0
87.5°	2.0	1.5	1.3	1.3	1.0	0.8	0.5	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)