

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: P672223

Luminaire Tested: **CCP-SA-1C-727-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672223  
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-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T3R distribution lens  
Light Source: (16) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

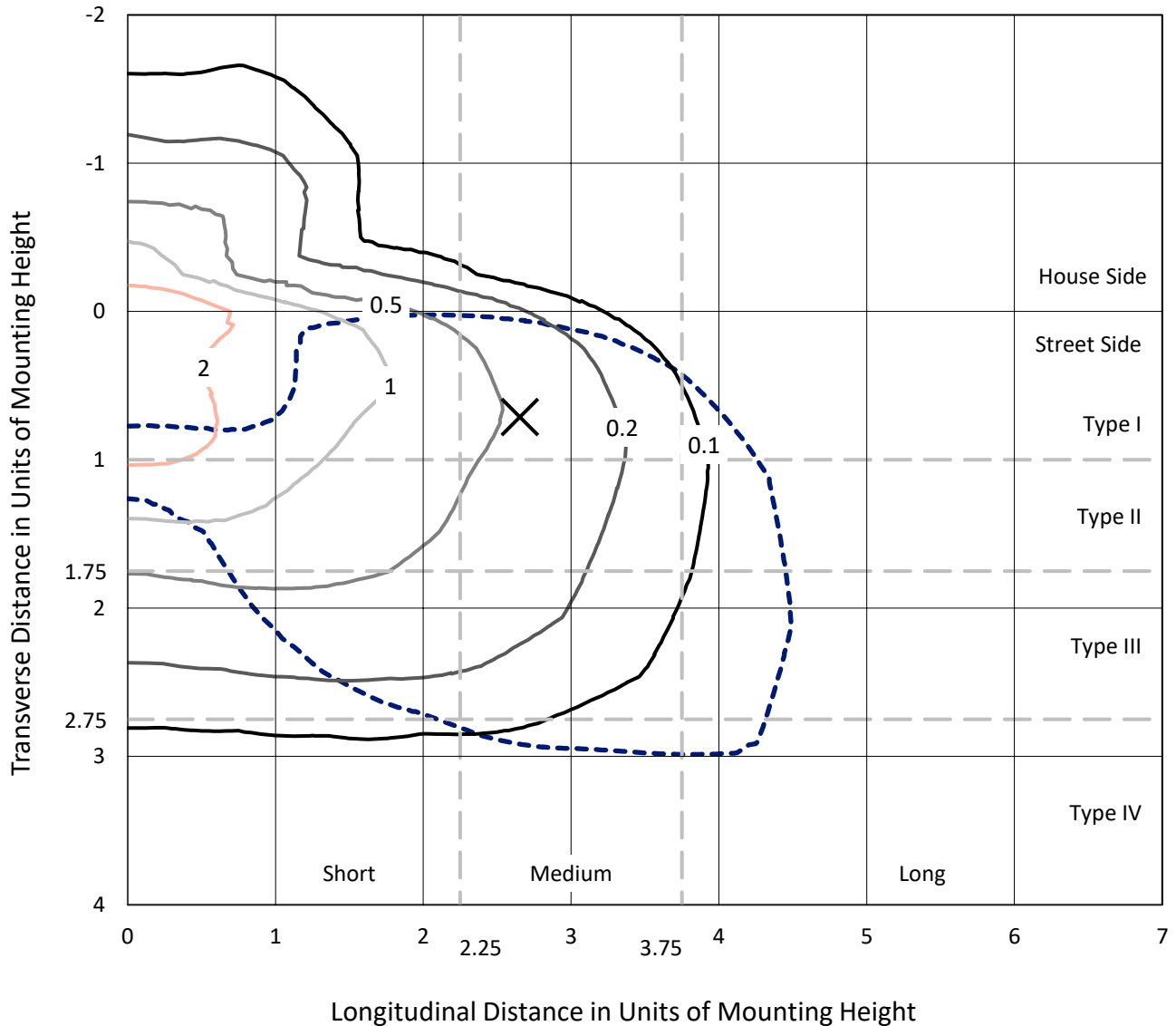
Lumens per Lamp: N/A  
Luminaire Lumens: 3843 lumens  
Efficiency: N/A  
Efficacy: 120.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1

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

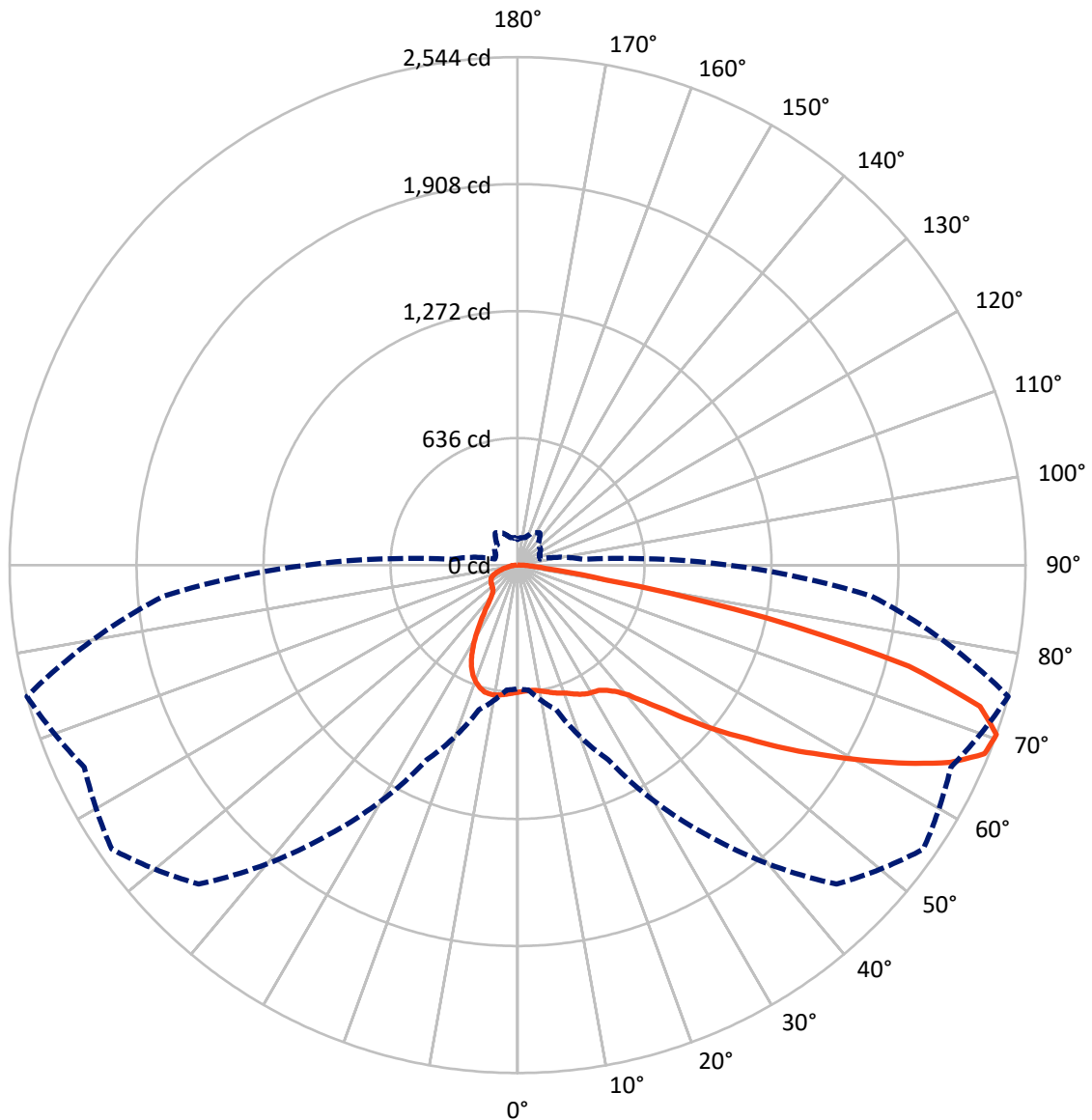
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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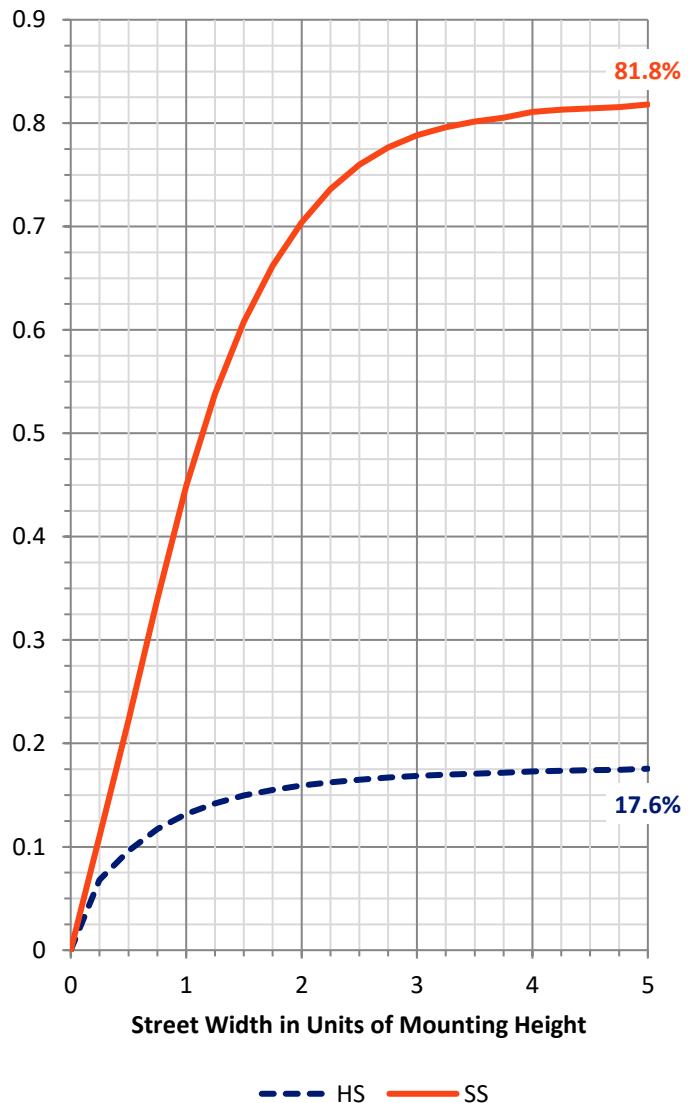
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	683.7	0.0	683.7
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	3159.3	0.0	3159.3
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	3843.0	0.0	3843.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.2	1.5
10°-20°	152.6	4.0
20°-30°	257.1	6.7
30°-40°	390.5	10.2
40°-50°	559.5	14.6
50°-60°	741.8	19.3
60°-70°	928.3	24.2
70°-80°	677.9	17.6
80°-90°	78.2	2.0
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°	3843.0	100.0
0°-180°	3843.0	100.0



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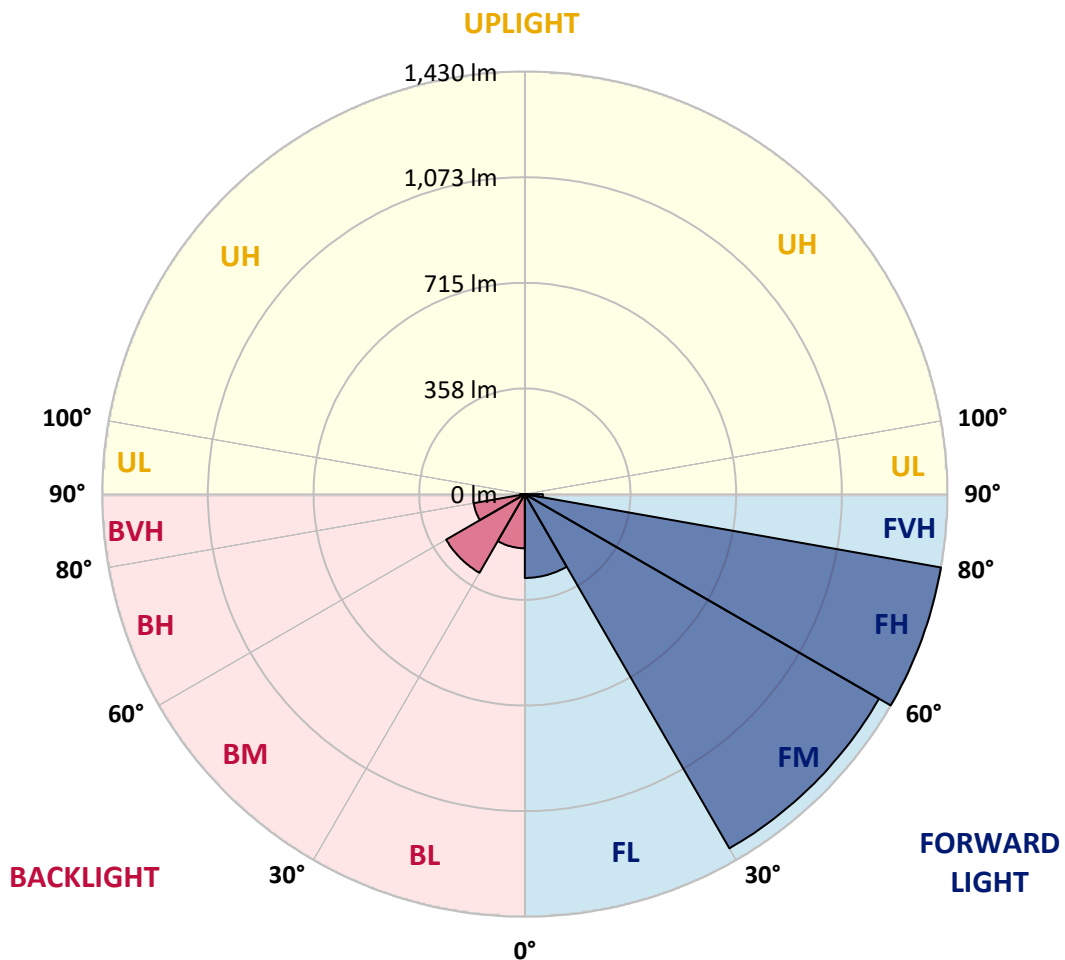
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	283.6	7.4			
FM (30°-60°)	1384.4	36.0			
FH (60°-80°)	1430.3	37.2			G1/1800
FVH (80°-90°)	61.0	1.6			G1/100
BL (0°-30°)	183.3	4.8	B1/500		
BM (30°-60°)	307.4	8.0	B1/1000		
BH (60°-80°)	175.9	4.6	B1/500		G1/500
BVH (80°-90°)	17.2	0.4			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 IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	636.6	636.6	636.6	636.6	636.6	636.6	636.6	636.6	636.6	636.6	636.6
2.5°	601.7	605.1	608.1	611.1	613.6	620.3	621.6	628.8	630.8	632.4	634.6
5°	568.0	570.5	573.5	578.5	583.8	595.7	604.0	619.7	628.6	631.3	639.1
7.5°	549.8	550.6	554.7	558.9	565.0	576.6	587.9	612.5	630.2	633.3	649.9
10°	536.5	537.6	541.5	547.3	553.3	564.1	578.2	607.5	636.3	641.0	664.5
12.5°	531.8	531.2	535.6	539.5	548.1	561.6	576.3	607.8	644.6	651.2	685.8
15°	550.6	547.0	549.8	548.4	551.1	564.4	581.8	613.9	654.8	663.1	707.9
17.5°	592.1	589.0	587.1	575.2	567.4	574.9	591.5	622.5	665.6	674.5	727.8
20°	654.0	645.4	638.2	618.3	596.8	594.3	605.9	631.1	675.9	684.4	748.9
22.5°	724.5	717.6	706.0	671.1	637.7	621.1	624.1	646.8	690.8	700.2	772.9
25°	813.6	813.3	789.5	742.5	691.9	658.4	652.1	672.0	707.7	716.8	792.8
27.5°	915.1	908.1	879.9	819.4	755.8	704.6	689.7	697.7	721.2	730.6	808.9
30°	1001.9	1002.7	974.0	907.9	823.8	749.7	721.5	716.2	730.1	739.5	823.8
32.5°	1094.8	1090.1	1063.8	995.8	897.4	798.1	741.9	729.5	739.2	748.0	844.5
35°	1182.2	1176.9	1154.3	1081.0	978.4	851.4	769.6	750.2	760.7	770.4	870.0
37.5°	1265.4	1266.3	1240.5	1170.6	1056.9	914.5	810.5	781.5	792.8	803.6	908.7
40°	1338.1	1334.0	1314.1	1251.0	1138.5	978.7	856.7	824.1	846.2	856.2	957.6
42.5°	1361.4	1361.1	1368.8	1330.1	1224.2	1055.0	914.2	890.4	921.7	936.6	1017.6
45°	1341.2	1347.3	1392.1	1391.0	1309.9	1142.6	992.8	971.2	1016.3	1033.1	1090.9
47.5°	1321.3	1330.4	1391.2	1425.8	1386.8	1239.2	1089.3	1073.2	1137.9	1162.3	1167.0
50°	1292.2	1300.8	1373.3	1430.8	1433.8	1336.8	1214.3	1194.1	1277.3	1302.2	1249.7
52.5°	1259.9	1266.5	1341.5	1427.2	1456.2	1413.1	1336.8	1331.0	1426.6	1446.8	1333.7
55°	1081.2	1109.5	1294.7	1419.5	1471.7	1471.4	1456.0	1475.0	1589.5	1619.7	1427.5
57.5°	978.7	993.6	1163.1	1415.0	1500.8	1525.4	1579.0	1619.9	1763.5	1790.6	1530.9
60°	945.2	958.5	1097.0	1409.8	1558.5	1609.7	1699.3	1765.7	1950.4	1983.6	1646.5
62.5°	914.8	930.8	1070.2	1368.0	1628.5	1743.3	1842.8	1923.3	2147.6	2186.8	1761.5
65°	852.8	864.2	1021.0	1332.9	1694.9	1933.8	2049.9	2097.0	2338.7	2382.9	1837.8
67.5°	745.8	756.6	910.1	1252.1	1738.0	2132.1	2276.4	2276.7	2486.3	2522.5	1853.9
70°	620.0	628.3	750.2	1076.3	1648.1	2259.3	2480.8	2394.2	2528.1	2543.8	1777.6
72.5°	443.3	450.5	549.5	795.6	1351.4	2156.1	2527.2	2389.3	2426.9	2421.9	1560.5
75°	273.2	287.0	336.5	485.6	839.8	1696.5	2274.5	2165.0	2037.8	2024.0	1175.0
77.5°	178.1	185.3	227.6	286.5	370.6	974.0	1727.5	1623.3	1286.7	1270.7	631.6
80°	107.0	118.9	149.1	180.0	167.9	372.5	986.4	806.4	454.6	449.6	194.1
82.5°	57.5	68.3	105.1	111.4	94.3	131.6	357.3	262.2	145.5	143.8	72.7
85°	45.6	50.9	75.5	70.5	53.4	66.6	139.4	109.2	74.7	73.0	27.4
87.5°	27.7	34.8	57.2	47.6	26.5	24.1	63.9	51.7	35.1	32.6	10.8
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°	636.6	636.6	636.6	636.6	636.6	636.6	636.6	636.6	636.6	636.6	636.6
2.5°	638.8	640.2	641.6	638.8	639.9	638.5	638.5	638.5	634.9	633.8	637.1
5°	644.9	646.8	647.9	639.3	634.1	626.4	620.0	610.3	604.8	601.2	601.2
7.5°	657.3	659.5	654.6	635.5	616.9	596.2	574.9	557.2	544.5	539.0	540.6
10°	675.6	676.4	659.8	624.7	585.1	546.7	516.6	493.1	477.3	469.3	468.2
12.5°	696.9	693.3	660.9	600.9	542.3	490.6	453.8	423.4	403.2	395.4	391.6
15°	717.9	709.3	656.8	572.4	493.6	431.4	384.4	355.6	343.2	339.6	338.2
17.5°	736.7	720.6	642.9	531.5	437.2	362.3	327.7	317.5	318.8	322.2	323.5
20°	753.8	729.2	623.0	482.8	366.7	308.3	299.8	309.2	316.9	321.9	322.7
22.5°	772.6	737.5	595.4	423.7	308.9	283.4	293.7	304.5	312.2	317.2	318.0
25°	787.0	737.2	556.4	353.4	272.4	276.8	289.0	298.7	304.5	308.1	307.8
27.5°	796.1	730.6	505.2	295.6	258.0	272.1	283.7	290.1	293.4	296.2	295.9
30°	798.9	717.9	440.8	253.0	251.4	267.7	276.5	280.4	282.9	285.7	285.7
32.5°	804.4	698.2	369.7	229.2	246.4	263.3	268.5	271.6	269.6	262.7	261.3
35°	810.5	676.4	302.5	218.2	241.7	260.2	265.2	257.2	236.2	233.4	232.3
37.5°	822.4	656.2	245.6	210.4	240.6	261.9	266.0	233.9	216.2	207.7	206.3
40°	842.6	636.0	207.4	204.9	242.0	269.1	255.0	222.9	193.6	177.3	174.5
42.5°	869.1	611.4	185.8	202.1	245.8	280.7	251.1	207.1	175.0	164.0	162.3
45°	899.8	578.8	175.6	201.6	250.5	286.5	252.2	194.4	166.8	158.2	157.6
47.5°	931.6	546.7	171.2	201.0	256.3	284.0	237.0	190.5	163.4	160.9	162.6
50°	965.9	510.2	167.6	199.7	261.0	284.0	228.7	189.7	164.5	170.1	175.6
52.5°	998.0	479.5	163.4	195.5	263.0	279.0	226.2	192.7	166.2	164.8	166.5
55°	1037.0	463.7	161.2	189.7	259.4	263.8	223.2	201.0	167.6	156.2	156.2
57.5°	1081.5	460.4	157.9	182.0	247.8	242.8	222.9	206.0	164.0	153.5	151.5
60°	1135.2	467.6	153.8	172.3	233.7	226.5	221.0	206.0	158.2	148.8	149.6
62.5°	1178.6	466.8	151.3	163.7	214.9	209.6	217.4	203.3	156.0	148.2	147.9
65°	1188.8	449.1	144.1	152.6	191.6	189.1	213.5	196.3	152.9	145.2	143.0
67.5°	1154.3	409.0	133.3	138.0	167.0	167.3	206.6	187.2	148.8	143.5	139.9
70°	1056.1	330.7	117.3	120.3	140.5	144.1	196.3	176.4	141.9	136.3	127.8
72.5°	883.8	237.8	98.7	99.6	111.7	121.1	178.6	161.8	131.6	118.6	109.5
75°	654.3	157.9	80.5	79.4	83.8	98.4	152.6	145.5	118.4	98.4	93.7
77.5°	345.9	93.5	61.9	62.2	59.5	75.5	121.1	126.4	105.1	83.0	78.3
80°	118.4	56.1	44.5	46.5	42.0	53.9	89.9	105.1	89.9	69.1	61.1
82.5°	54.2	34.3	31.8	33.2	30.1	36.5	61.7	79.6	71.6	50.3	40.7
85°	27.4	20.5	20.5	22.4	19.9	18.8	34.0	52.8	52.5	34.6	29.9
87.5°	11.3	10.0	9.4	10.8	9.4	7.2	9.7	19.1	27.7	20.7	13.3
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)