

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: P673231

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673231  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-727-U-T3-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA 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: 2724 lumens  
Efficiency: N/A  
Efficacy: 85.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G1

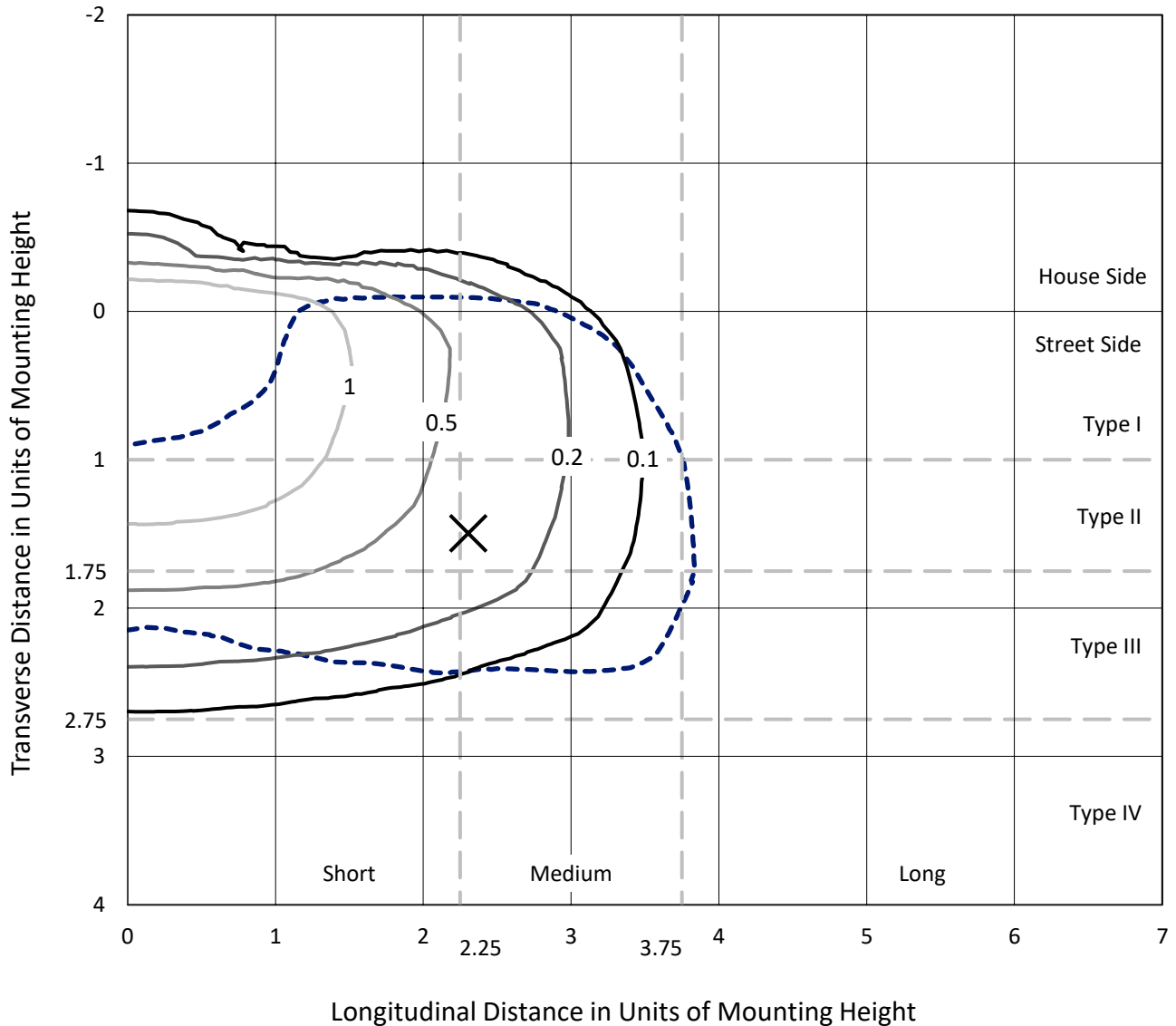
Input Watts (W): 32  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

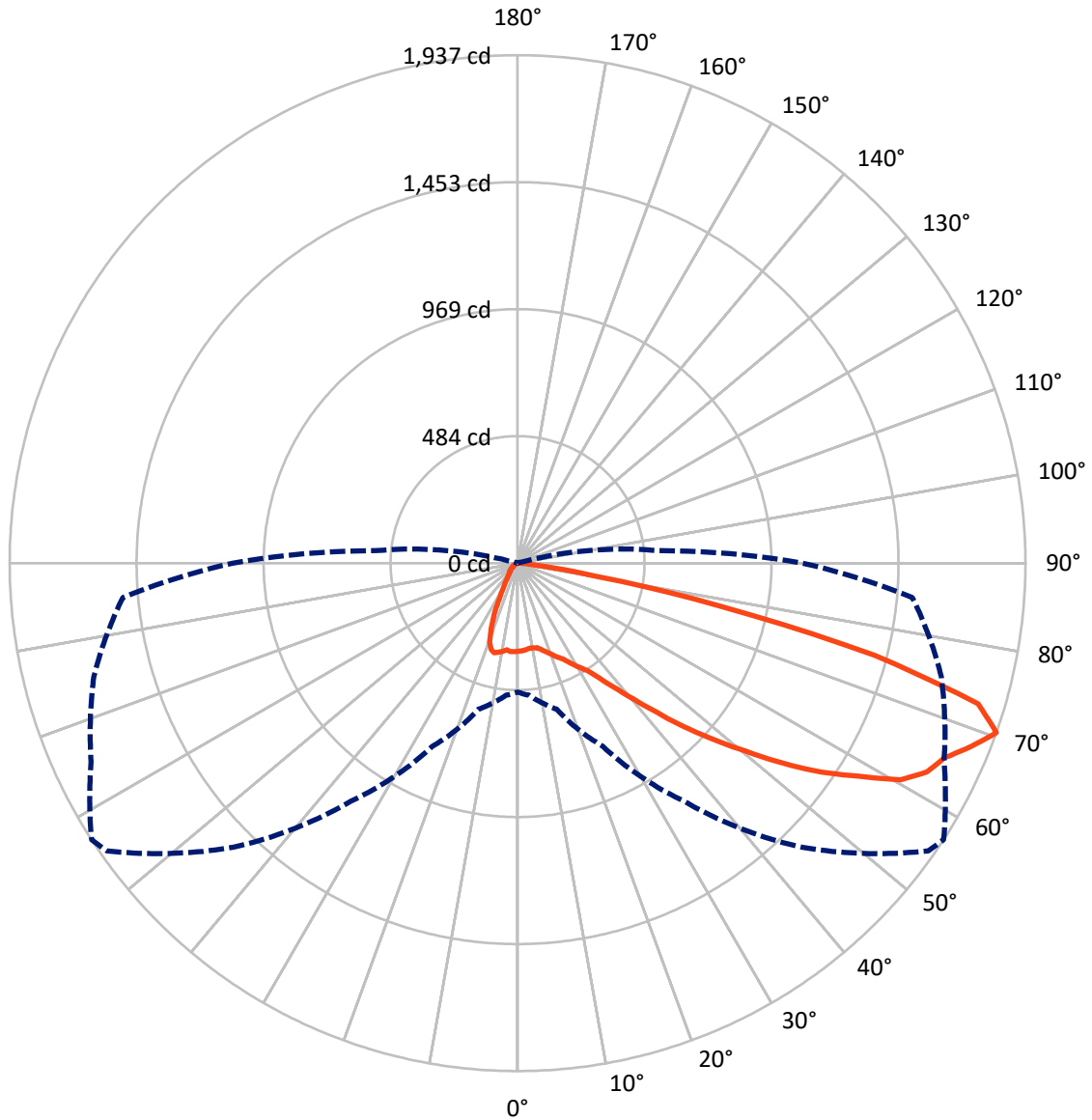
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.9 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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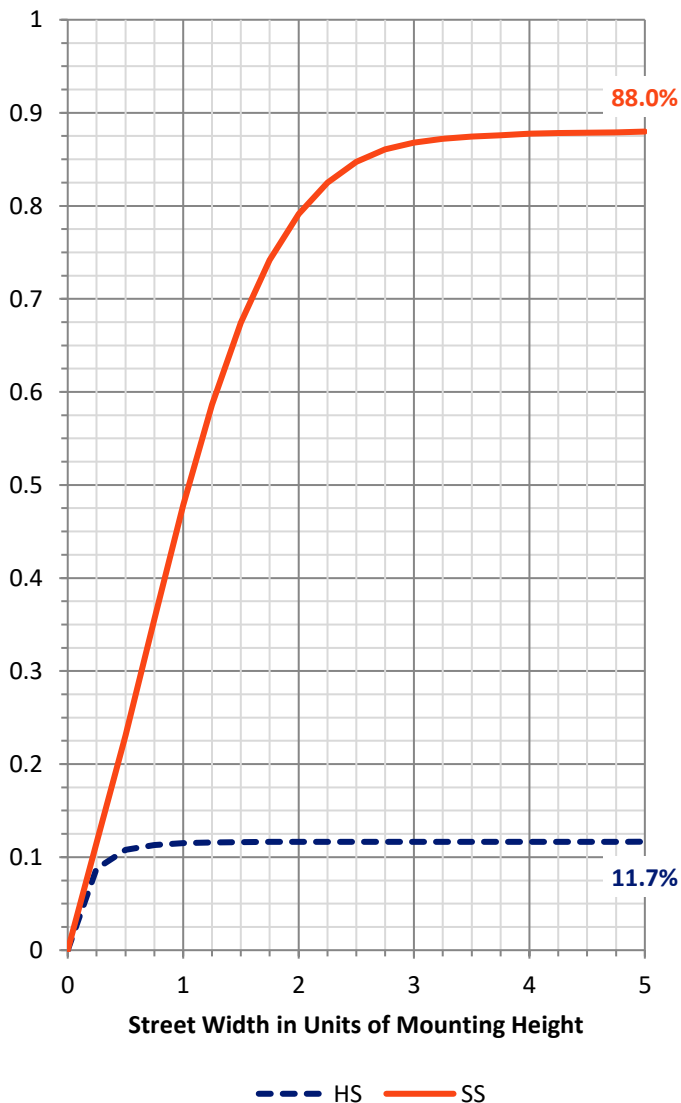
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	321.1	0.0	321.1
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	2402.9	0.0	2402.9
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	2724.0	0.0	2724.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.4	1.2
10°-20°	87.8	3.2
20°-30°	147.9	5.4
30°-40°	253.2	9.3
40°-50°	425.1	15.6
50°-60°	652.5	24.0
60°-70°	753.3	27.7
70°-80°	355.9	13.1
80°-90°	16.9	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°	2724.0	100.0
0°-180°	2724.0	100.0



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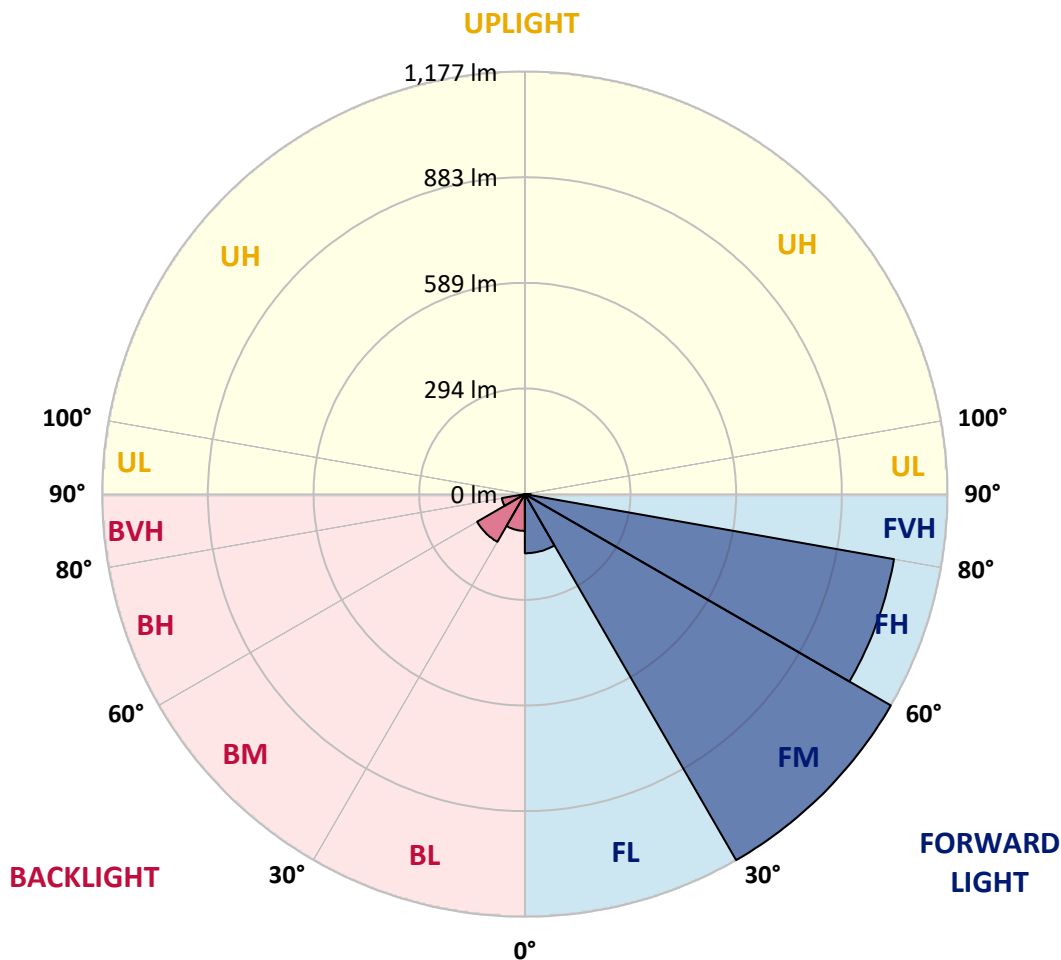
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	164.8	6.0			
FM (30°-60°)	1177.3	43.2			
FH (60°-80°)	1044.3	38.3			G1/1800
FVH (80°-90°)	16.6	0.6			G1/100
BL (0°-30°)	102.4	3.8	B0/110		
BM (30°-60°)	153.5	5.6	B0/220		
BH (60°-80°)	64.9	2.4	B0/110		G0/110
BVH (80°-90°)	0.3	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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1
2.5°	331.2	329.1	331.2	334.0	331.2	333.3	332.6	334.7	331.9	331.9	334.0
5°	309.7	313.1	314.5	318.0	321.5	327.8	331.9	331.9	336.1	338.2	341.0
7.5°	302.0	296.4	302.0	304.8	308.3	318.7	325.0	327.8	333.3	341.0	345.1
10°	290.9	295.0	295.0	304.1	309.0	315.2	326.4	328.4	341.0	348.6	352.8
12.5°	290.2	290.2	293.7	299.9	309.7	321.5	335.4	331.2	344.5	358.4	365.3
15°	292.3	297.1	297.1	305.5	313.1	329.8	341.7	342.4	361.2	375.1	381.3
17.5°	301.3	299.2	302.0	306.9	318.7	334.7	354.2	356.3	377.9	396.6	405.7
20°	320.1	323.6	319.4	316.6	321.5	342.4	367.4	371.6	395.9	414.0	423.1
22.5°	390.4	387.6	370.9	351.4	343.1	352.8	379.9	389.7	418.2	439.8	447.4
25°	469.7	464.8	445.4	416.1	377.9	373.7	405.0	405.0	446.0	469.7	467.6
27.5°	544.9	543.5	520.5	489.9	435.6	405.7	425.2	432.8	477.4	496.8	487.8
30°	621.4	622.8	601.9	565.0	508.0	457.2	453.7	460.0	501.0	531.6	512.9
32.5°	710.5	698.0	683.3	632.5	580.4	523.3	490.6	487.8	527.5	555.3	530.2
35°	789.8	782.2	766.1	720.2	660.4	592.2	546.3	539.3	560.9	597.7	570.6
37.5°	859.4	851.7	830.9	800.2	753.6	677.8	613.1	602.6	611.7	650.6	617.9
40°	919.2	921.3	915.8	885.8	842.7	773.8	699.3	682.6	675.0	709.8	672.9
42.5°	962.4	982.6	984.0	947.1	912.3	874.7	791.2	778.0	759.9	789.1	763.4
45°	1052.8	1041.7	1048.7	1035.4	997.2	991.6	897.0	889.3	864.3	874.0	846.9
47.5°	1123.8	1121.7	1135.0	1113.4	1102.9	1103.6	1017.4	1004.1	968.6	986.7	956.1
50°	1164.9	1153.7	1201.8	1218.5	1216.4	1224.7	1139.1	1128.0	1093.9	1120.3	1054.9
52.5°	1174.6	1194.8	1240.0	1300.6	1326.3	1343.7	1272.0	1267.9	1231.0	1247.7	1157.2
55°	1199.0	1218.5	1244.9	1344.4	1439.7	1443.9	1402.9	1407.0	1374.3	1370.2	1254.6
57.5°	1198.3	1194.1	1267.2	1382.7	1514.9	1574.7	1552.5	1532.3	1496.8	1455.7	1317.3
60°	1154.4	1152.4	1228.2	1387.6	1556.0	1693.0	1702.1	1678.4	1589.4	1528.8	1391.0
62.5°	1067.5	1075.8	1152.4	1345.8	1594.9	1735.5	1768.9	1752.9	1642.2	1577.5	1478.0
65°	967.9	950.6	1039.6	1241.4	1507.2	1723.0	1795.3	1789.8	1704.9	1630.4	1558.0
67.5°	776.6	784.2	852.4	1068.2	1357.6	1677.0	1857.3	1865.6	1755.0	1677.0	1582.4
70°	492.0	505.9	576.9	771.7	1108.5	1532.3	1912.9	1937.3	1794.6	1672.9	1511.4
72.5°	143.3	148.9	245.6	384.8	706.3	1228.9	1823.9	1836.4	1717.4	1518.4	1169.1
75°	47.3	50.1	72.4	125.3	277.0	635.3	1347.2	1406.3	1366.7	1100.9	668.7
77.5°	31.3	32.7	39.7	59.8	105.1	199.0	722.3	785.6	770.3	515.6	215.7
80°	23.0	23.7	29.2	40.4	64.0	71.7	266.5	308.3	297.8	118.3	43.1
82.5°	14.6	14.6	21.6	28.5	40.4	35.5	77.2	85.6	83.5	45.2	16.7
85°	9.7	10.4	16.0	22.3	22.3	16.7	22.3	25.7	27.8	24.4	7.7
87.5°	2.8	3.5	9.0	15.3	9.0	8.4	7.7	8.4	9.7	13.2	4.2
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°	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1
2.5°	336.1	338.9	338.2	339.6	337.5	335.4	337.5	337.5	337.5	335.4	334.0
5°	338.9	337.5	338.9	336.1	338.9	336.1	334.7	330.5	329.8	329.8	332.6
7.5°	343.1	344.5	338.2	338.2	331.9	333.3	329.8	330.5	329.1	327.1	325.7
10°	349.3	354.9	348.6	346.5	339.6	334.0	325.7	321.5	321.5	318.7	321.5
12.5°	366.7	364.6	361.2	354.2	345.8	334.7	314.5	294.4	277.6	265.1	271.4
15°	380.6	379.9	375.1	361.8	350.7	316.6	265.8	213.6	185.8	173.3	171.2
17.5°	402.2	400.1	391.8	374.4	337.5	262.3	182.3	138.5	111.3	105.1	103.0
20°	422.4	421.7	403.6	381.3	304.1	191.4	119.0	91.2	83.5	84.2	82.8
22.5°	444.0	440.5	418.9	373.0	242.2	127.3	84.9	81.4	78.6	77.9	79.3
25°	468.3	455.8	434.2	354.2	178.1	87.7	80.0	77.2	74.5	73.8	73.8
27.5°	478.1	469.7	441.2	309.0	112.7	76.5	75.2	71.7	68.2	66.1	65.4
30°	500.3	486.4	448.1	242.9	80.0	70.3	68.2	64.0	59.1	55.7	55.7
32.5°	522.6	505.9	448.8	169.8	66.8	63.3	59.8	54.3	48.0	44.5	45.2
35°	550.4	527.5	441.2	109.9	59.8	55.7	48.7	42.4	36.9	34.1	34.1
37.5°	597.7	576.2	409.9	72.4	54.3	47.3	40.4	33.4	28.5	26.4	26.4
40°	657.6	629.8	366.7	57.1	48.0	40.4	32.0	25.7	23.0	20.9	20.9
42.5°	729.3	694.5	302.7	50.8	42.4	33.4	25.1	20.2	17.4	17.4	16.7
45°	800.9	743.9	237.3	46.6	37.6	27.8	19.5	16.0	14.6	13.9	13.9
47.5°	903.2	803.7	169.8	42.4	32.7	21.6	16.0	13.2	11.8	11.1	11.8
50°	1001.3	860.1	120.4	38.3	27.1	17.4	13.2	11.8	10.4	9.7	9.7
52.5°	1087.6	899.1	84.2	33.4	23.0	14.6	11.8	10.4	9.7	9.0	9.0
55°	1135.0	885.8	57.8	28.5	18.8	12.5	10.4	9.0	8.4	7.7	7.7
57.5°	1183.7	849.0	43.8	23.7	15.3	11.8	9.7	8.4	7.7	7.0	7.0
60°	1224.7	821.8	34.1	18.8	12.5	9.7	8.4	7.0	6.3	5.6	4.9
62.5°	1226.8	767.5	25.1	13.9	9.7	8.4	7.0	5.6	3.5	2.8	2.1
65°	1235.2	710.5	18.1	10.4	7.0	6.3	4.9	2.8	1.4	0.0	0.0
67.5°	1205.9	643.0	14.6	7.7	4.9	3.5	2.1	0.7	0.0	0.0	0.0
70°	1086.9	542.8	11.1	5.6	3.5	2.1	0.7	0.0	0.0	0.0	0.0
72.5°	778.0	352.8	7.7	4.2	1.4	0.7	0.0	0.0	0.0	0.0	0.0
75°	414.7	150.3	5.6	2.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	130.1	38.3	3.5	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	28.5	10.4	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	9.7	4.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.5	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	0.7	0.7	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)