

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: P674768

Luminaire Tested: **CCP-SA-1A-840-U-T3R-HSS**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P674768
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-840-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T3R
distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1849.9 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

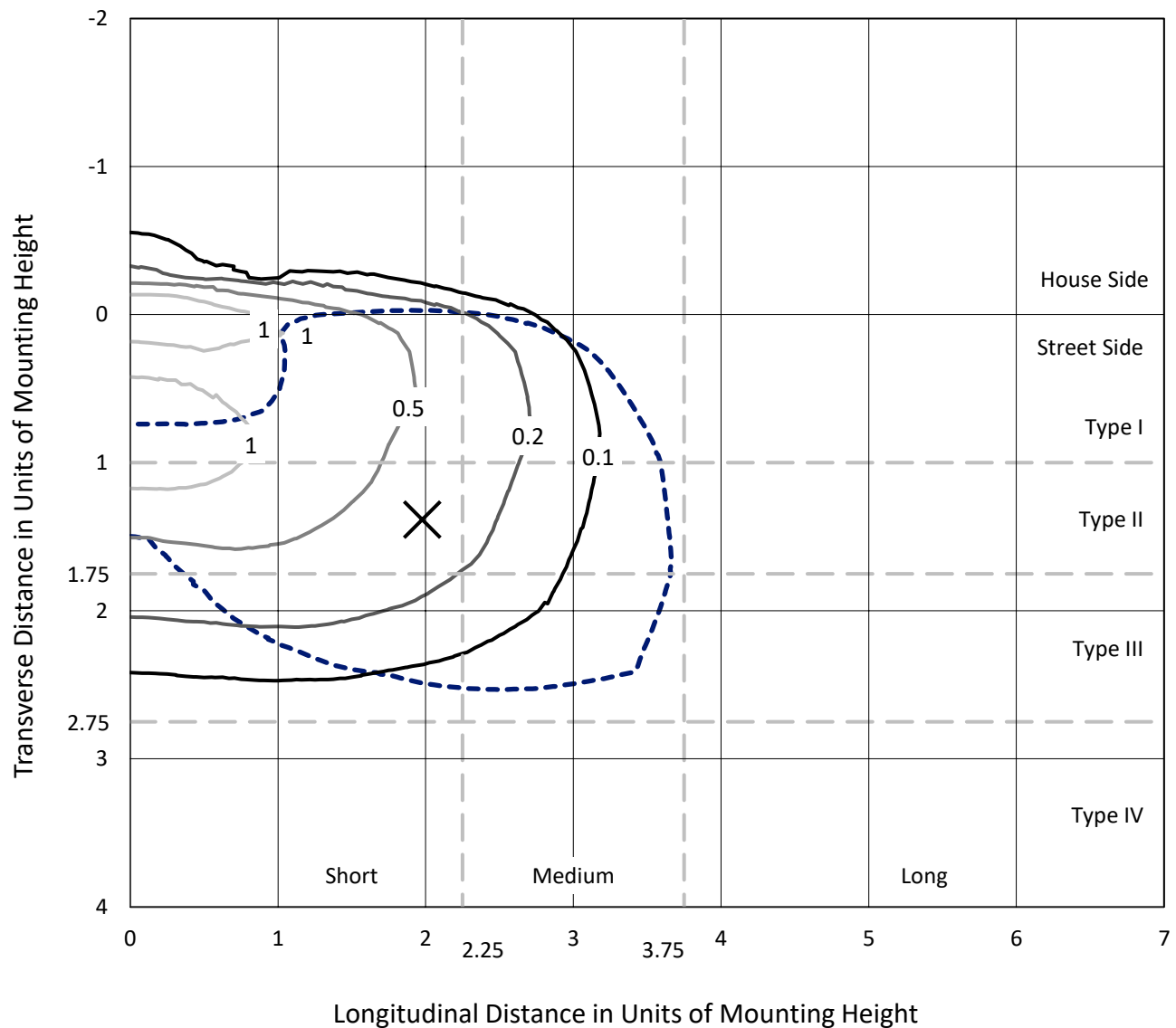
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P674768

CATALOG NUMBER: CCP-SA-1A-840-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

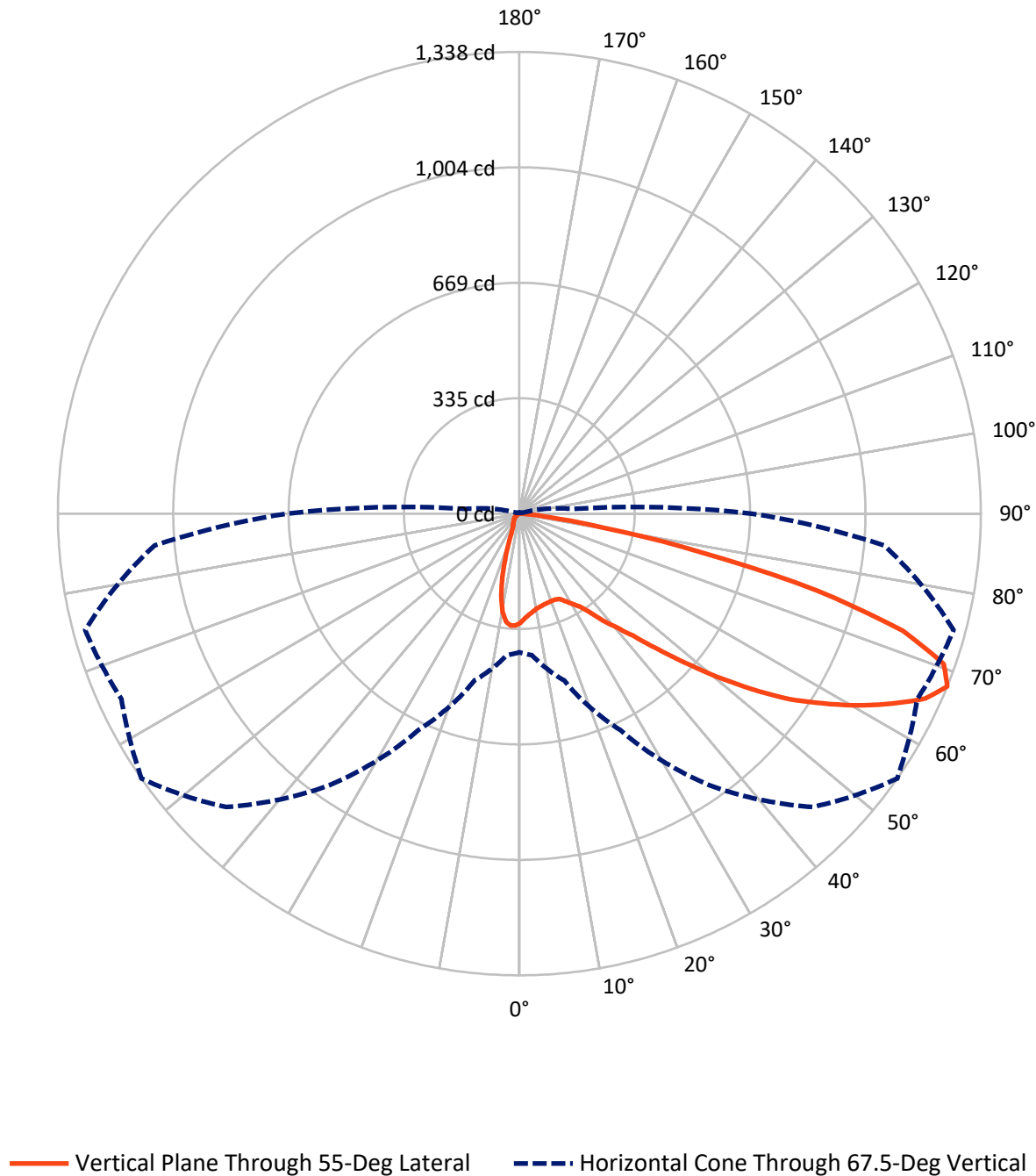
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.5 fc
Type III - Short - N/A

REPORT NUMBER: P674768
CATALOG NUMBER: CCP-SA-1A-840-U-T3R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P674768

CATALOG NUMBER: CCP-SA-1A-840-U-T3R-HSS

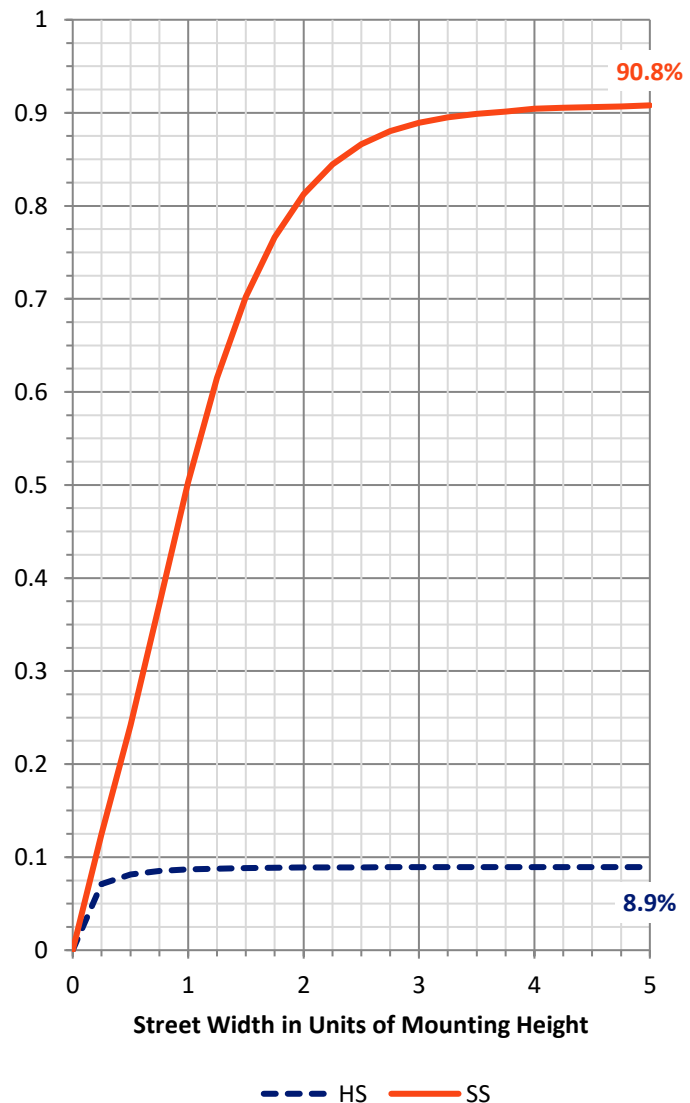
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	166.2	0.0	166.2
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	1683.7	0.0	1683.7
	% Fixture	91.0	0.0	91.0
Total	Lumens	1849.9	0.0	1849.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.8	1.5
10°-20°	63.3	3.4
20°-30°	101.6	5.5
30°-40°	176.3	9.5
40°-50°	293.9	15.9
50°-60°	429.8	23.2
60°-70°	501.2	27.1
70°-80°	243.2	13.1
80°-90°	12.7	0.7
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°	1849.9	100.0
0°-180°	1849.9	100.0

Coefficient of Utilization



REPORT NUMBER: P674768

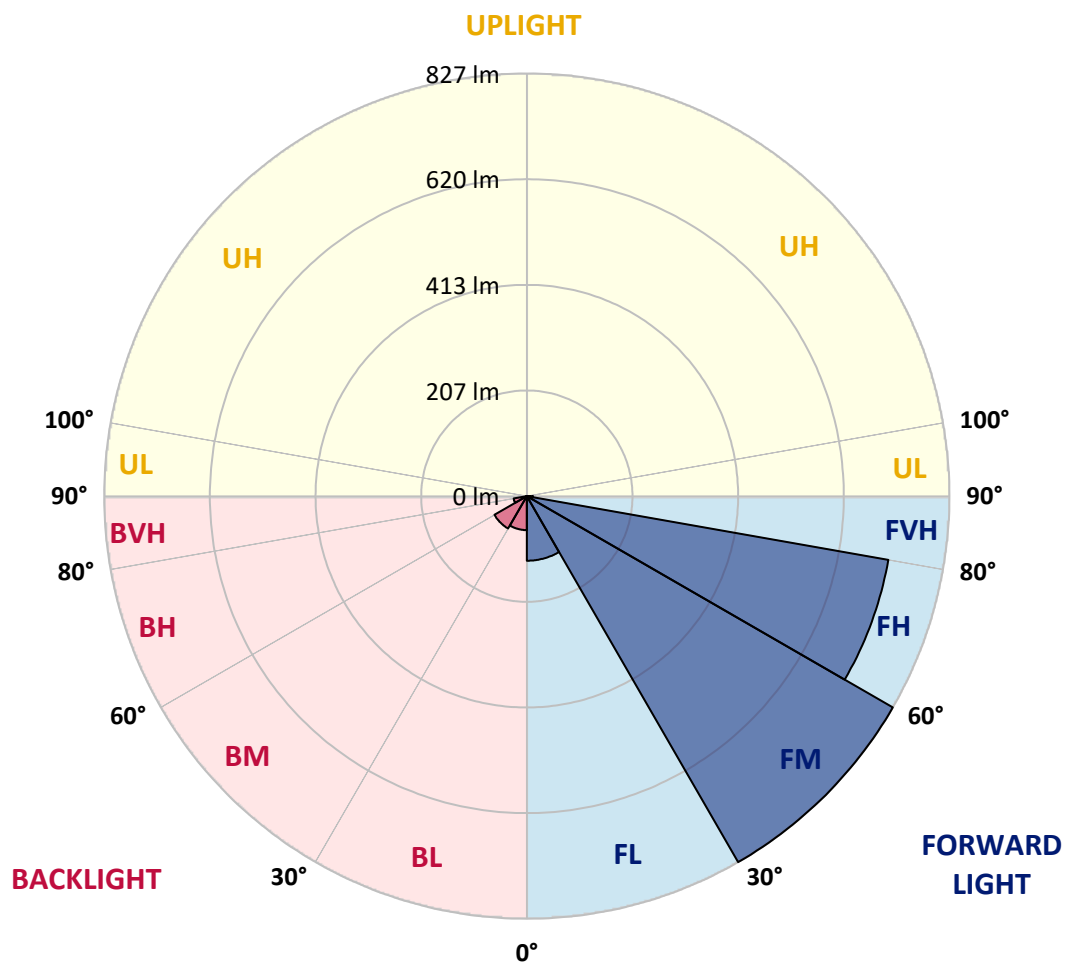
CATALOG NUMBER: CCP-SA-1A-840-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	126.4	6.8			
FM	(30°-60°)	826.9	44.7			
FH	(60°-80°)	718.2	38.8			G1/1800
FVH	(80°-90°)	12.3	0.7			G1/100
BL	(0°-30°)	66.4	3.6	B0/110		
BM	(30°-60°)	73.2	4.0	B0/220		
BH	(60°-80°)	26.2	1.4	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: B0-U0-G1

Type III Short





REPORT NUMBER: P674768

CATALOG NUMBER: CCP-SA-1A-840-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0
2.5°	292.7	294.5	296.9	297.8	300.7	304.8	303.6	302.7	307.3	313.6	315.7
5°	274.4	274.6	278.3	281.1	286.0	289.9	294.2	293.8	302.2	312.9	319.8
7.5°	256.5	256.9	260.8	265.0	272.2	279.9	286.3	286.0	299.5	313.8	326.7
10°	233.0	234.7	239.5	247.0	258.2	270.3	279.4	280.2	296.4	317.0	336.3
12.5°	214.1	214.9	220.2	229.9	243.2	259.1	275.9	275.4	297.1	323.0	348.7
15°	206.1	205.6	208.8	216.0	231.1	251.1	272.5	273.7	299.5	329.8	361.7
17.5°	207.9	207.4	209.1	211.7	222.4	244.4	270.7	272.7	303.2	337.0	373.8
20°	228.7	225.2	222.1	219.4	220.9	239.0	269.5	271.7	305.4	342.4	386.6
22.5°	268.8	264.4	256.2	241.0	231.0	239.3	269.8	272.7	310.4	351.3	402.1
25°	334.1	329.8	312.3	281.2	254.6	251.6	274.4	277.5	321.8	364.7	418.6
27.5°	420.5	410.9	389.6	345.1	293.8	271.2	288.2	291.6	338.0	375.1	429.9
30°	492.2	490.0	469.6	415.0	347.9	300.0	303.7	305.6	345.3	381.5	441.1
32.5°	566.7	562.1	543.4	490.4	410.6	341.1	321.1	322.0	354.9	390.8	457.5
35°	631.5	627.2	611.6	560.1	483.9	396.3	349.9	348.0	374.6	411.5	479.6
37.5°	691.5	691.0	677.2	624.7	549.7	453.6	392.4	390.8	405.5	434.1	509.6
40°	750.1	748.8	737.0	689.1	614.4	510.6	432.8	428.8	431.7	465.8	549.2
42.5°	786.1	789.0	793.1	762.7	691.3	577.6	483.9	481.5	481.0	515.4	601.2
45°	805.5	810.6	834.7	831.9	772.8	661.0	556.7	550.5	548.5	583.6	660.6
47.5°	824.4	826.7	866.0	882.6	850.9	747.9	644.6	636.1	627.7	666.8	731.7
50°	825.6	829.2	878.0	918.2	916.3	833.5	743.3	735.8	726.3	768.0	801.1
52.5°	808.9	816.1	876.4	940.7	956.9	909.0	845.7	839.6	831.8	863.0	859.5
55°	693.5	705.6	846.4	942.7	985.3	973.7	948.7	940.2	932.5	954.7	916.8
57.5°	638.7	645.5	755.4	941.2	1021.6	1033.7	1038.0	1034.1	1023.3	1051.0	976.6
60°	605.8	615.6	711.9	924.1	1060.8	1101.6	1128.3	1120.5	1107.4	1145.4	1040.7
62.5°	566.4	573.5	668.7	875.1	1084.2	1170.6	1213.0	1205.9	1178.8	1232.5	1092.5
65°	493.8	504.5	599.8	797.8	1052.8	1221.2	1292.8	1290.4	1243.4	1298.3	1106.7
67.5°	401.9	411.6	500.4	692.0	961.1	1202.3	1338.0	1330.5	1272.7	1303.2	1061.9
70°	301.7	307.0	374.0	528.7	787.4	1101.2	1305.3	1303.7	1228.2	1229.9	924.3
72.5°	161.9	176.6	248.7	353.8	553.8	891.9	1163.3	1157.1	1095.8	1007.3	664.7
75°	56.6	60.8	132.4	198.7	300.8	594.2	894.5	880.2	819.5	655.2	362.2
77.5°	34.8	38.2	58.8	101.6	117.1	257.9	537.4	518.8	479.6	283.3	123.7
80°	24.0	27.1	39.4	53.2	39.9	83.5	247.3	240.3	184.9	67.5	28.5
82.5°	13.5	16.2	29.8	26.1	16.0	21.6	85.7	79.4	49.3	18.2	9.5
85°	7.8	9.4	21.0	18.4	8.2	7.7	22.3	19.9	12.8	6.8	4.6
87.5°	4.1	5.3	15.3	12.3	4.9	2.7	5.1	4.9	3.2	2.4	3.1
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: P674768

CATALOG NUMBER: CCP-SA-1A-840-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0
2.5°	319.4	318.6	323.0	324.5	324.2	323.5	325.2	323.0	322.8	322.3	321.8
5°	325.2	326.6	330.1	330.1	325.4	317.5	312.8	306.3	300.8	297.6	297.1
7.5°	333.9	336.6	339.0	331.7	315.3	295.9	275.3	259.1	244.9	237.6	236.9
10°	346.2	348.7	346.9	325.9	290.8	250.6	217.0	183.2	166.4	157.1	157.1
12.5°	360.8	362.9	351.5	311.4	250.4	192.1	147.3	111.8	94.9	84.0	83.3
15°	376.7	377.2	350.8	286.2	200.4	129.0	84.5	62.0	54.9	53.3	53.0
17.5°	390.5	388.4	343.6	248.8	144.4	76.9	53.7	48.6	47.2	47.2	47.2
20°	403.4	396.6	329.3	205.4	92.6	52.3	46.2	44.8	44.8	45.0	45.0
22.5°	417.8	404.3	308.8	157.1	59.5	44.8	43.3	42.6	42.4	43.0	42.8
25°	434.6	411.8	279.5	108.6	46.0	41.8	41.1	40.4	40.4	40.4	40.4
27.5°	444.0	410.8	246.1	68.5	40.2	38.7	38.0	37.3	36.8	36.6	36.8
30°	452.2	404.8	202.5	47.9	36.3	34.6	34.1	33.2	32.2	31.9	31.9
32.5°	462.9	399.9	156.8	38.5	32.9	31.0	29.5	28.1	26.4	25.7	25.6
35°	474.9	390.8	114.9	33.9	29.8	27.4	25.1	22.8	20.6	19.9	19.8
37.5°	489.7	382.6	77.9	31.4	27.3	24.4	21.1	18.1	16.0	15.7	15.7
40°	509.8	375.8	53.9	29.1	24.9	21.5	17.6	14.3	13.0	12.6	12.6
42.5°	537.2	370.2	40.7	27.3	22.8	18.6	14.1	11.8	10.7	10.4	10.4
45°	569.6	361.5	34.4	25.6	20.8	15.7	11.8	9.9	9.4	9.4	9.4
47.5°	606.8	350.6	31.4	23.9	18.6	12.8	9.9	9.0	8.9	8.9	9.0
50°	644.3	337.6	29.1	21.8	16.0	10.9	9.0	8.5	8.5	8.7	8.7
52.5°	669.7	317.4	26.9	19.6	13.5	9.5	8.5	8.4	8.2	8.2	8.2
55°	694.4	299.6	23.9	17.2	11.2	8.9	8.2	8.0	8.0	7.8	7.8
57.5°	720.1	285.7	19.9	14.3	9.5	8.4	7.8	7.8	7.5	7.3	7.3
60°	750.0	273.4	15.3	11.2	8.4	7.8	7.3	7.2	6.8	6.5	6.5
62.5°	758.6	247.5	11.6	9.0	7.2	6.8	6.6	6.3	5.5	4.8	4.9
65°	736.0	206.7	9.2	7.2	5.8	5.8	5.3	4.4	3.6	3.1	3.1
67.5°	673.4	154.4	7.5	5.6	4.6	4.4	3.7	3.2	2.2	1.9	1.9
70°	555.0	102.1	6.1	4.4	3.7	3.1	2.6	2.4	1.7	1.4	1.4
72.5°	389.0	55.4	5.1	3.6	2.7	2.0	1.7	1.5	1.2	1.0	0.9
75°	205.4	21.3	4.1	2.7	1.7	1.4	1.0	1.0	0.9	0.7	0.7
77.5°	70.4	9.0	2.9	1.5	1.2	0.9	0.7	0.5	0.7	0.5	0.5
80°	16.7	5.3	1.9	1.0	0.7	0.5	0.5	0.3	0.3	0.3	0.3
82.5°	7.3	3.1	1.2	0.7	0.7	0.5	0.3	0.2	0.2	0.2	0.2
85°	4.9	1.9	0.9	0.7	0.5	0.3	0.2	0.2	0.0	0.0	0.0
87.5°	3.9	1.2	0.7	0.7	0.5	0.3	0.2	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)