

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: P672110

Luminaire Tested: **CCP-SA-1A-740-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672110
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-740-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2R distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2778.9 lumens
Efficiency: N/A
Efficacy: 154.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

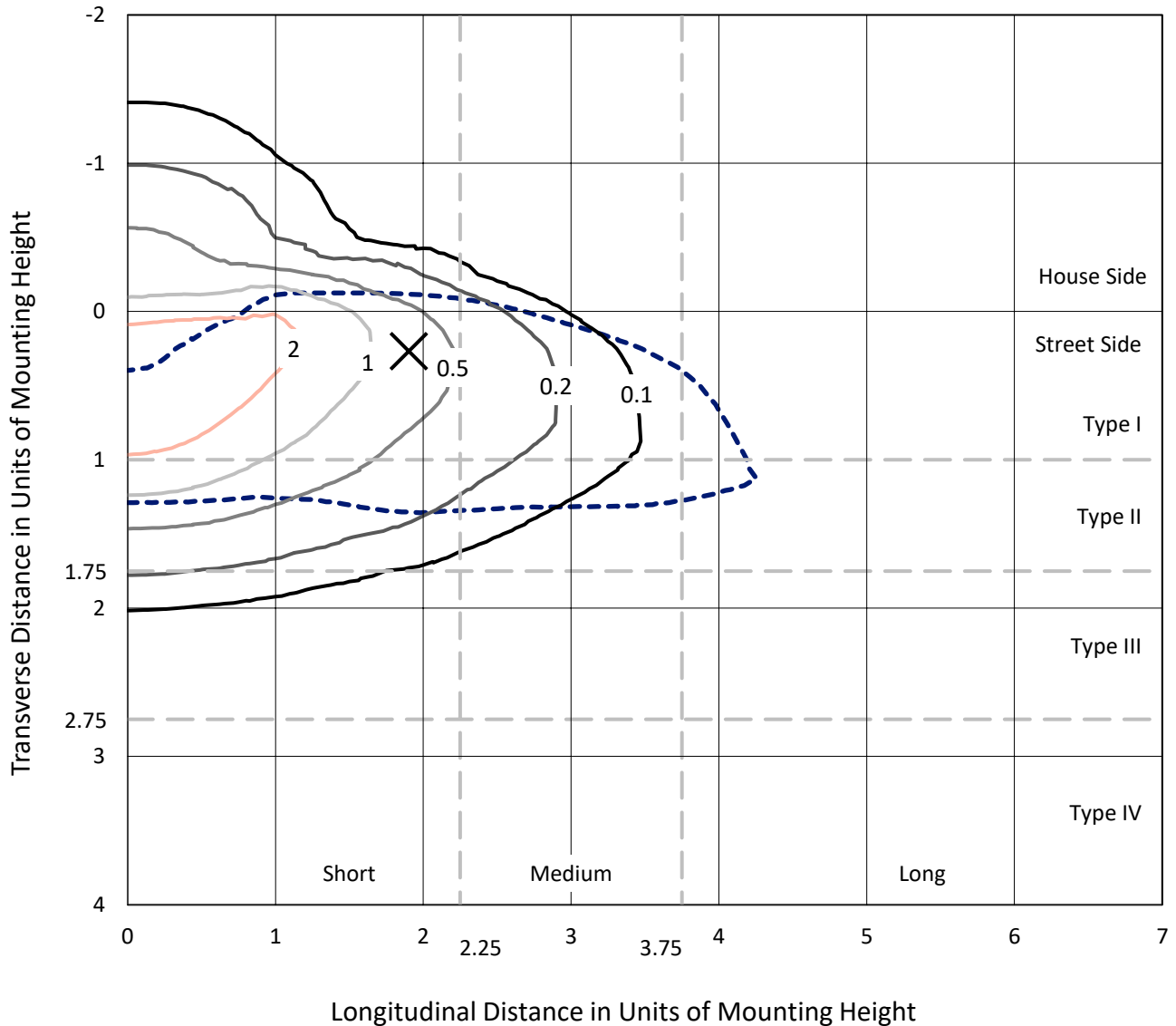
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

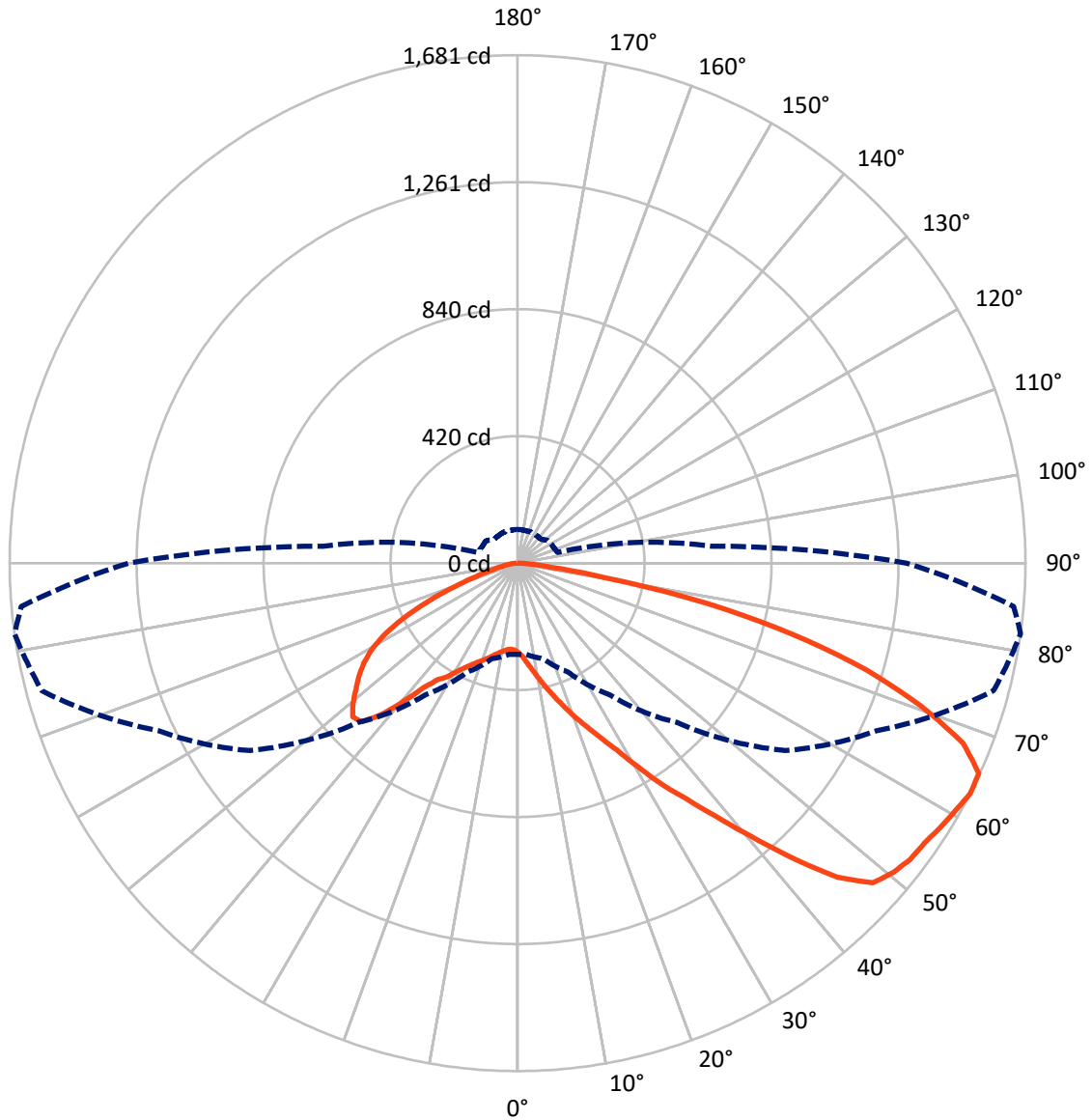
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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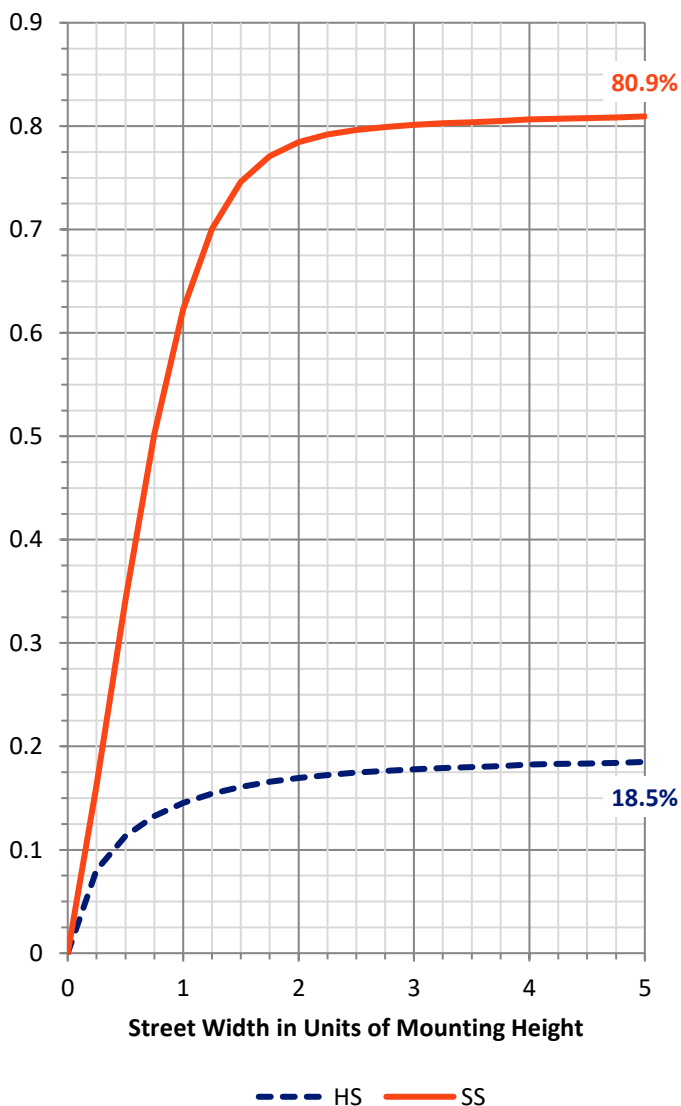
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	523.5	0.0	523.5
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	2255.4	0.0	2255.4
	% Fixture	81.2	0.0	81.2
Total	Lumens	2778.9	0.0	2778.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.7	1.2
10°-20°	123.3	4.4
20°-30°	255.4	9.2
30°-40°	433.6	15.6
40°-50°	590.4	21.2
50°-60°	597.6	21.5
60°-70°	471.0	16.9
70°-80°	232.0	8.3
80°-90°	42.9	1.5
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°	2778.9	100.0
0°-180°	2778.9	100.0



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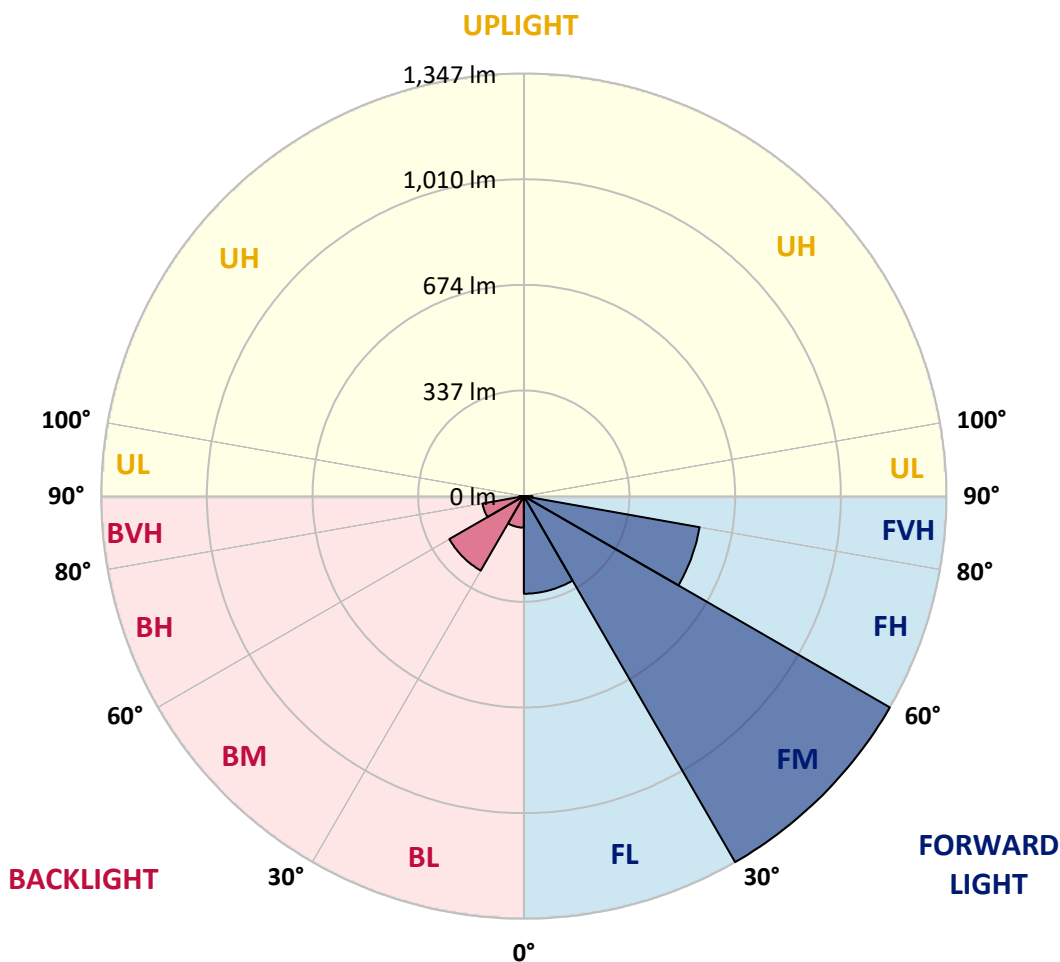
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	311.0	11.2			
FM (30°-60°)	1347.3	48.5			
FH (60°-80°)	569.2	20.5			G0/660
FVH (80°-90°)	27.9	1.0			G1/100
BL (0°-30°)	100.5	3.6	B0/110		
BM (30°-60°)	274.2	9.9	B1/1000		
BH (60°-80°)	133.8	4.8	B1/500		G1/500
BVH (80°-90°)	15.0	0.5			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5
2.5°	393.6	387.6	384.4	380.8	370.8	364.3	352.3	338.3	322.1	308.3	305.7
5°	476.6	470.6	471.4	462.6	448.0	434.4	412.0	385.6	354.7	331.1	322.9
7.5°	535.2	528.6	530.2	526.6	514.8	499.8	471.4	437.4	392.4	357.3	344.1
10°	574.4	575.2	576.4	575.0	567.4	556.8	528.6	491.0	435.0	388.4	370.4
12.5°	618.9	621.1	620.7	621.3	617.3	608.8	581.2	545.8	480.4	421.8	398.4
15°	675.5	673.3	675.1	677.7	673.3	664.1	639.7	597.6	528.0	459.0	430.0
17.5°	737.5	732.9	737.7	735.1	731.9	725.9	699.1	654.3	577.2	499.2	465.2
20°	791.1	788.1	790.7	791.1	791.7	790.5	762.9	715.3	628.9	543.0	503.2
22.5°	851.3	849.9	849.5	849.7	850.3	851.7	832.9	782.1	686.1	589.0	544.2
25°	935.6	934.2	925.0	914.8	908.8	913.2	903.4	858.0	749.3	640.7	589.2
27.5°	1030.0	1027.8	1015.6	989.8	970.6	973.8	972.8	941.6	822.1	699.9	643.3
30°	1128.1	1122.7	1105.9	1069.6	1039.4	1033.8	1036.6	1026.2	913.8	778.5	718.5
32.5°	1215.5	1205.5	1183.3	1146.7	1110.7	1094.4	1094.8	1099.5	1013.4	870.2	797.3
35°	1268.9	1262.3	1245.7	1208.7	1168.5	1157.7	1154.7	1177.7	1104.9	955.0	868.0
37.5°	1297.7	1291.3	1273.5	1243.7	1213.3	1208.9	1214.5	1250.1	1208.7	1060.8	964.0
40°	1292.5	1285.7	1274.1	1253.3	1233.3	1236.7	1261.5	1316.5	1322.1	1187.5	1100.9
42.5°	1249.7	1242.5	1241.5	1240.1	1230.7	1245.7	1290.5	1365.2	1426.4	1333.7	1266.5
45°	1174.1	1169.7	1174.9	1198.9	1210.7	1239.7	1304.1	1388.8	1518.0	1482.4	1423.2
47.5°	1078.2	1075.6	1087.4	1125.5	1163.7	1221.3	1313.1	1395.2	1581.0	1581.0	1525.8
50°	971.0	970.0	985.6	1040.8	1100.7	1187.5	1312.1	1401.2	1608.7	1610.1	1562.0
52.5°	821.3	826.5	868.2	941.0	1022.2	1134.5	1298.1	1418.0	1624.3	1627.5	1586.3
55°	648.9	653.9	716.7	814.7	918.8	1070.0	1256.3	1413.0	1627.3	1634.5	1600.1
57.5°	518.0	519.0	558.2	674.7	803.5	987.6	1208.1	1379.8	1618.5	1649.9	1621.3
60°	405.4	408.6	434.8	527.0	669.9	881.4	1154.3	1347.0	1623.5	1664.5	1640.5
62.5°	301.9	302.7	327.1	398.6	532.2	745.9	1081.2	1311.9	1630.5	1680.9	1648.3
65°	196.7	196.5	220.1	284.5	397.6	599.6	966.6	1257.1	1631.1	1677.3	1612.5
67.5°	125.1	125.9	136.1	176.7	266.1	452.6	810.5	1155.3	1602.7	1590.1	1482.0
70°	101.4	101.6	104.8	115.4	162.1	309.3	609.3	996.0	1512.8	1416.2	1288.1
72.5°	90.4	90.6	92.2	93.4	108.0	185.9	399.8	808.7	1353.2	1207.1	1068.6
75°	81.2	81.2	82.2	81.0	88.6	116.6	226.9	608.0	1114.5	940.0	807.3
77.5°	71.2	71.0	71.0	70.4	76.6	85.2	113.6	424.4	802.7	641.1	523.6
80°	60.4	60.0	60.6	60.2	66.2	64.6	66.2	261.9	435.2	293.9	222.9
82.5°	47.0	47.0	48.8	49.2	54.6	46.8	46.6	124.3	165.3	109.8	82.2
85°	24.6	27.6	37.2	38.8	41.2	29.4	34.2	58.0	66.2	42.0	30.0
87.5°	7.4	7.8	22.8	25.6	25.4	14.8	21.0	28.0	31.0	18.6	12.2
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°	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5
2.5°	299.1	292.1	277.3	264.1	254.1	244.5	237.9	234.5	230.1	230.7	229.3
5°	308.3	293.9	267.7	246.5	232.3	221.5	214.9	211.5	208.3	206.7	207.9
7.5°	322.1	299.7	263.1	237.5	222.7	213.5	209.9	208.9	208.1	207.5	208.5
10°	339.9	309.9	262.3	234.3	220.7	215.1	213.7	213.1	212.3	211.5	212.1
12.5°	358.1	321.1	265.1	235.1	223.9	219.7	217.9	217.1	215.1	214.1	214.3
15°	381.0	334.7	268.9	238.3	228.1	222.7	220.3	218.1	214.9	213.5	214.1
17.5°	405.4	350.9	274.1	241.3	229.7	223.1	218.3	215.1	211.9	209.9	210.1
20°	433.0	367.0	278.7	242.3	228.9	219.7	213.9	210.1	205.9	203.7	203.1
22.5°	461.6	383.8	282.3	241.5	224.5	213.9	207.3	202.7	197.7	194.3	194.5
25°	496.4	406.6	285.3	238.7	218.7	206.3	198.9	193.1	187.9	184.7	184.9
27.5°	538.2	432.4	288.9	234.3	211.7	198.1	189.5	183.7	178.7	175.7	175.3
30°	594.0	466.0	292.9	228.9	202.9	189.1	180.7	174.7	169.9	167.1	167.1
32.5°	656.9	507.0	295.7	222.5	193.1	179.5	171.9	167.1	163.5	159.7	159.3
35°	711.5	538.8	304.3	217.5	184.5	170.5	165.3	161.9	156.5	152.9	152.3
37.5°	791.7	594.8	329.7	216.1	174.1	163.5	162.5	156.1	149.9	143.1	142.5
40°	921.0	691.9	359.3	209.3	163.3	159.7	158.7	150.1	135.5	131.3	130.5
42.5°	1085.4	808.7	362.5	189.5	155.7	156.5	153.5	136.7	130.3	127.1	126.3
45°	1233.9	903.6	344.3	169.3	150.1	151.7	145.5	131.7	128.1	125.1	124.3
47.5°	1317.3	932.8	309.9	154.1	145.9	147.5	132.7	129.3	125.7	122.7	121.9
50°	1340.8	907.4	269.9	145.3	142.7	143.3	129.3	127.3	124.1	121.6	120.4
52.5°	1345.4	869.4	232.9	140.1	140.3	134.9	126.3	124.7	122.7	118.8	117.4
55°	1347.4	835.1	199.7	136.9	138.7	124.1	123.1	121.9	120.2	116.2	115.4
57.5°	1352.6	791.3	173.7	134.5	136.7	119.0	119.4	118.6	116.6	114.8	114.4
60°	1337.7	730.7	153.7	132.1	133.9	114.8	115.2	115.6	113.8	113.4	113.2
62.5°	1288.1	644.7	136.7	128.9	128.1	110.6	110.6	112.2	110.6	111.2	111.2
65°	1185.9	535.0	121.4	122.9	119.0	106.0	105.8	108.6	106.2	108.8	109.0
67.5°	1011.6	405.0	105.8	113.4	109.6	101.2	102.0	104.2	101.0	106.4	106.4
70°	800.7	275.5	89.6	100.2	100.0	95.8	98.4	98.2	94.6	102.6	101.2
72.5°	596.4	176.9	73.0	84.0	87.4	90.0	94.8	90.6	87.2	91.8	87.6
75°	416.8	110.8	57.6	66.4	72.8	83.6	90.4	82.0	77.0	75.6	74.4
77.5°	249.5	70.8	45.4	50.6	56.8	76.0	84.8	73.0	65.4	64.6	62.2
80°	115.0	46.2	34.6	37.8	40.4	65.2	77.2	62.4	53.2	52.4	49.6
82.5°	52.0	30.4	25.8	27.0	27.2	51.8	65.2	49.4	40.6	65.8	57.0
85°	24.2	19.6	16.8	16.0	16.2	34.6	47.4	34.0	46.2	36.0	27.4
87.5°	10.4	10.0	8.6	6.8	6.2	7.4	18.2	14.2	20.2	8.0	5.4
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)