

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: P674547

Luminaire Tested: **CCP-SA-1A-735-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674547
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-735-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2184.9 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G0

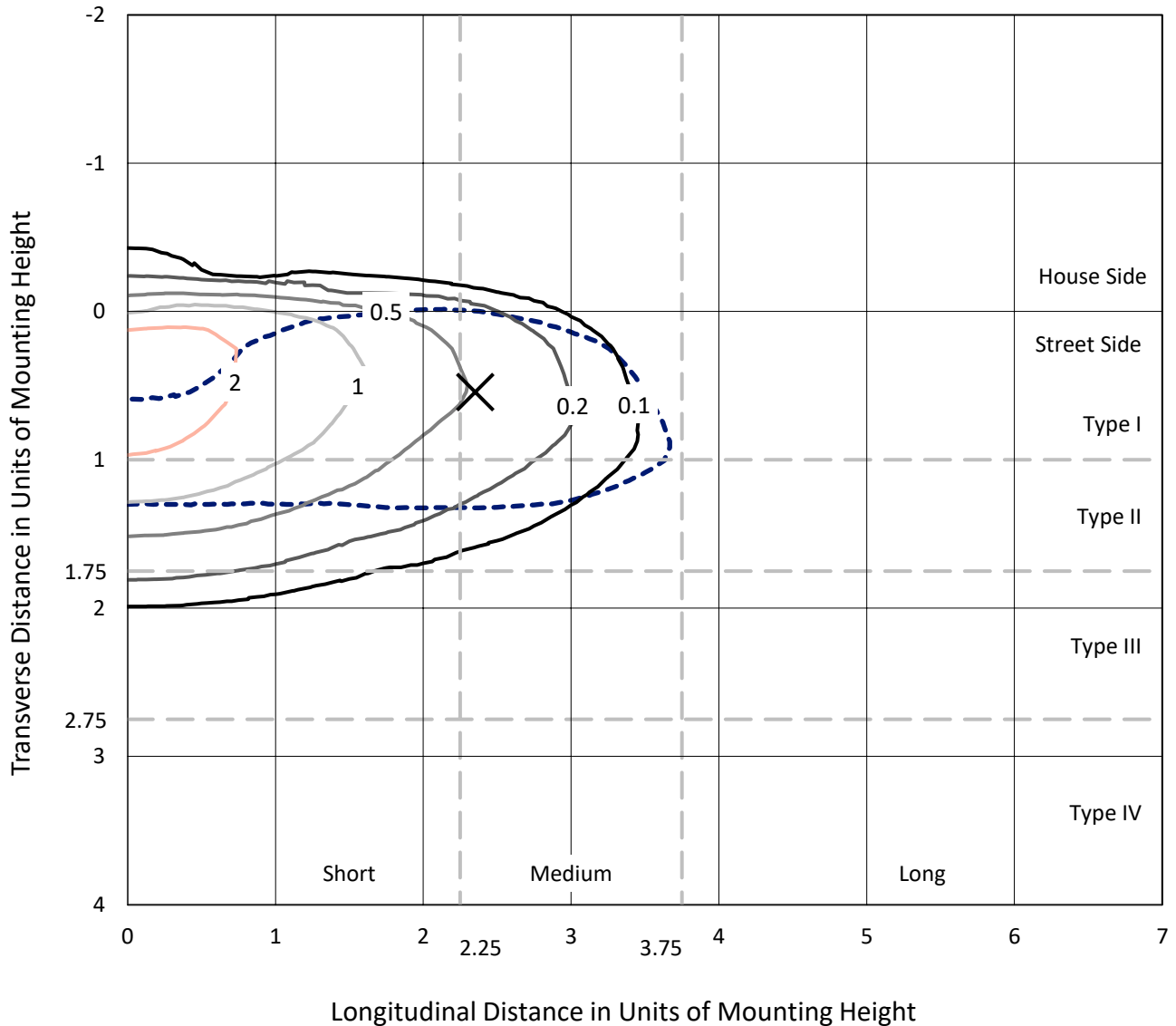
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

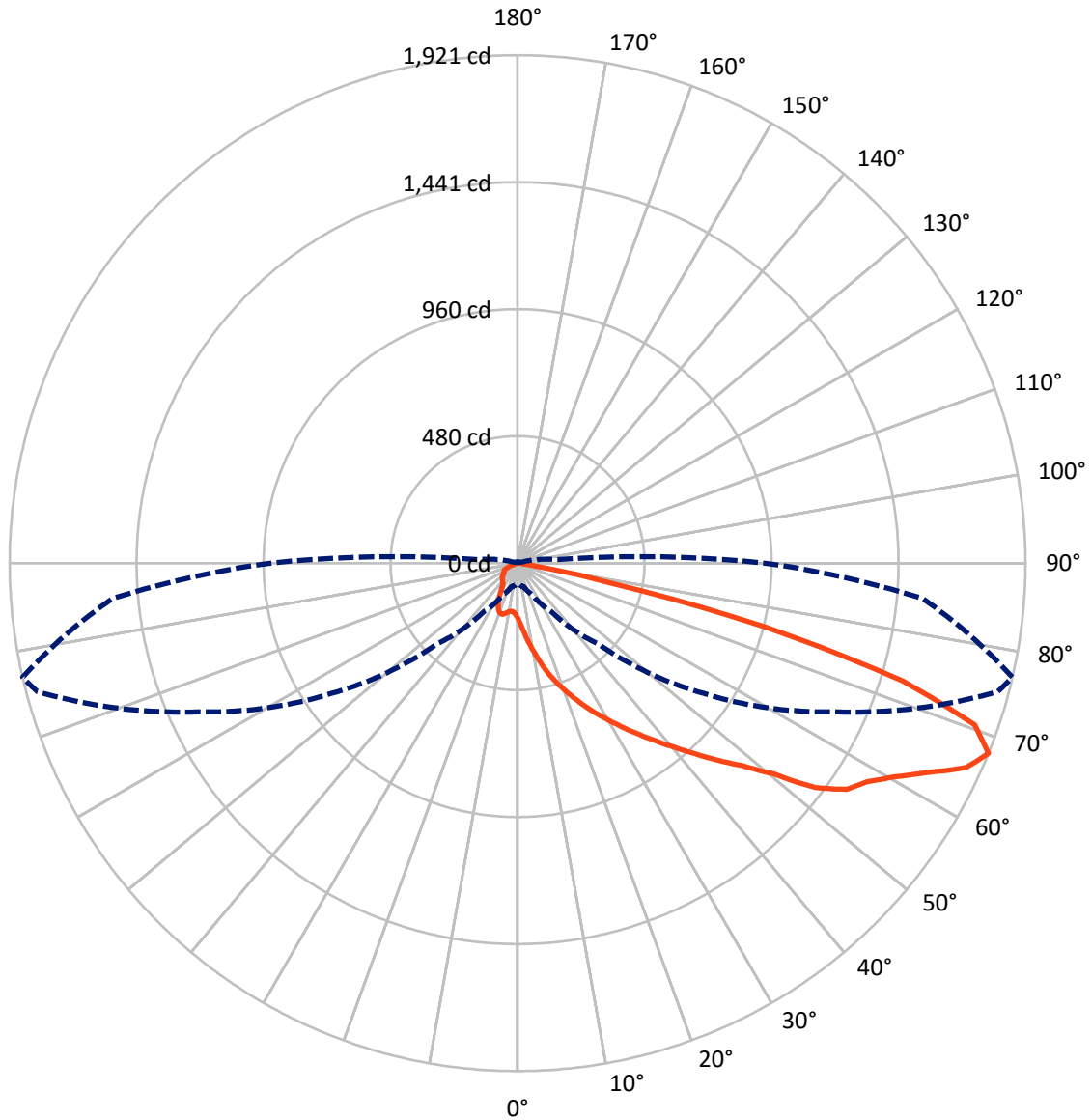
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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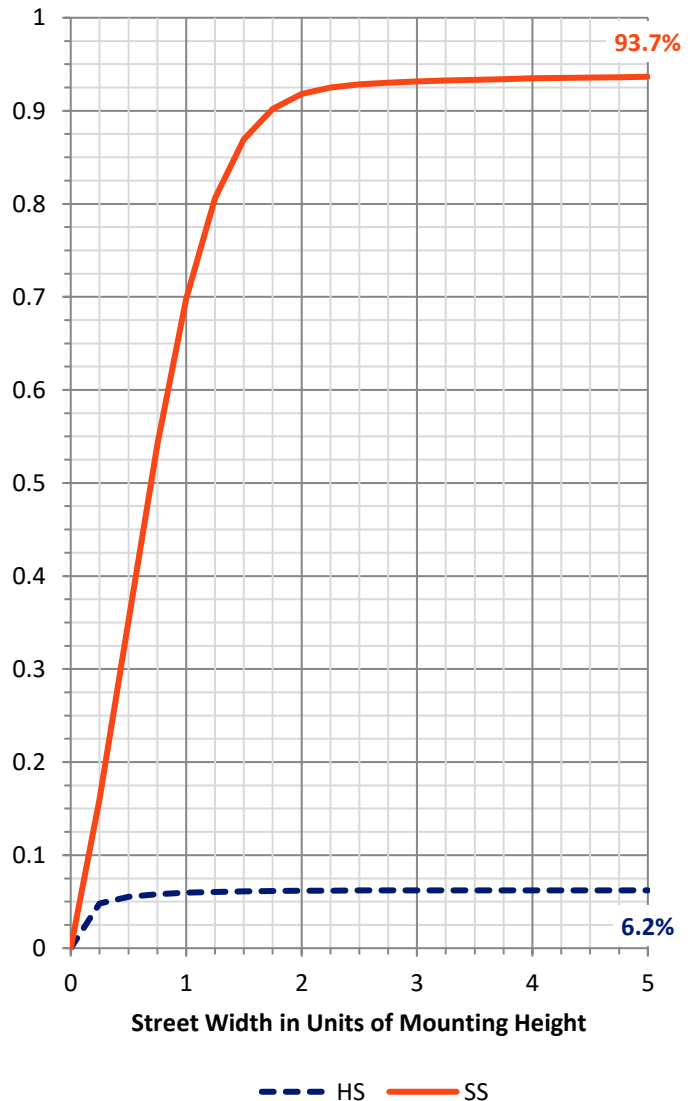
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	136.5	0.0	136.5
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	2048.3	0.0	2048.3
	% Fixture	93.8	0.0	93.8
Total	Lumens	2184.9	0.0	2184.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.6	1.1
10°-20°	90.9	4.2
20°-30°	177.7	8.1
30°-40°	310.7	14.2
40°-50°	453.1	20.7
50°-60°	529.8	24.2
60°-70°	429.5	19.7
70°-80°	161.3	7.4
80°-90°	7.3	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°	2184.9	100.0
0°-180°	2184.9	100.0



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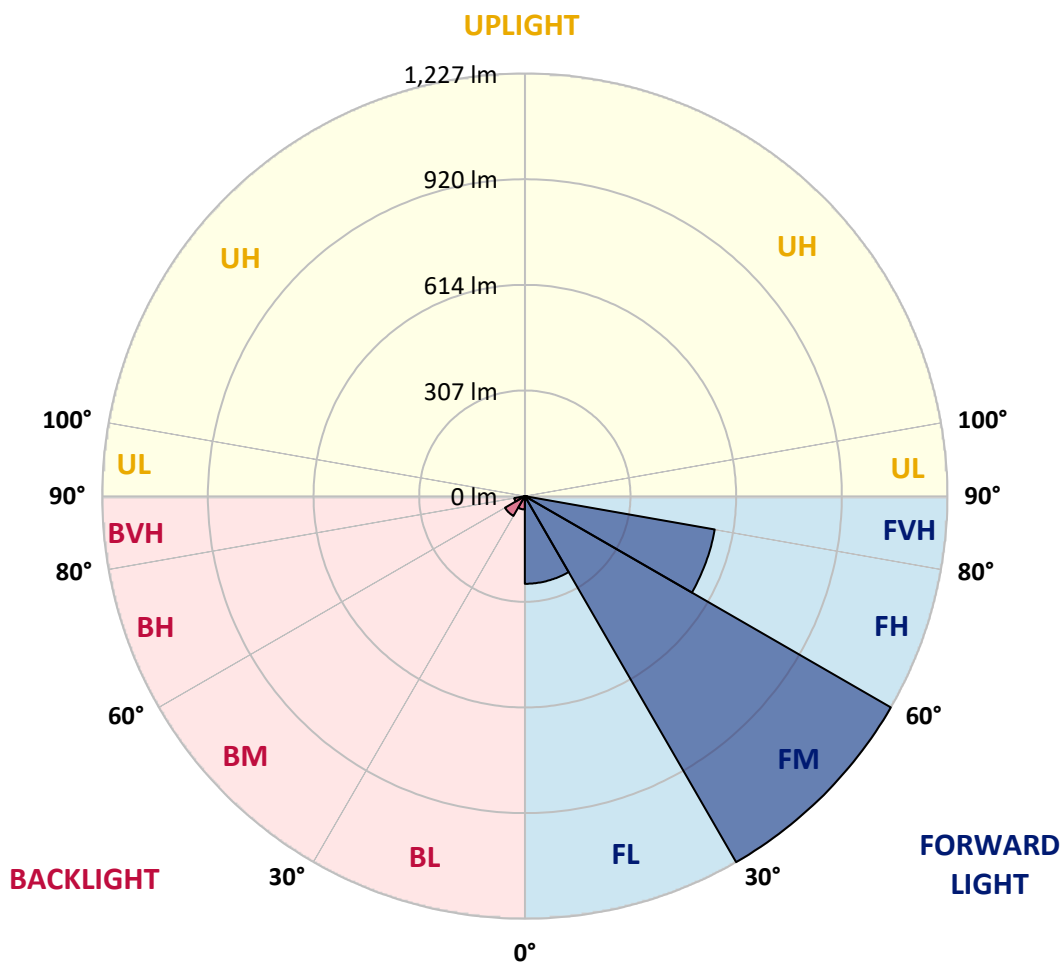
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	254.5	11.6			
FM (30°-60°)	1227.1	56.2			
FH (60°-80°)	559.8	25.6			G0/660
FVH (80°-90°)	6.9	0.3			G0/10
BL (0°-30°)	38.7	1.8	B0/110		
BM (30°-60°)	66.4	3.0	B0/220		
BH (60°-80°)	31.0	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-G0

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3
2.5°	314.2	302.8	304.9	300.2	294.1	279.9	264.9	249.9	236.5	233.5	220.1
5°	402.4	398.8	395.1	391.9	379.1	361.3	334.3	300.0	269.0	263.7	235.9
7.5°	470.8	465.5	468.8	459.2	445.8	428.6	394.3	357.6	309.9	302.0	258.8
10°	521.3	518.3	519.9	515.4	508.9	491.7	457.8	411.8	356.6	341.6	284.4
12.5°	559.2	559.8	566.7	567.1	561.7	547.7	511.8	463.9	399.0	385.6	312.8
15°	586.8	587.4	595.8	604.9	611.0	603.7	571.2	517.5	448.9	430.6	342.6
17.5°	591.3	591.7	606.7	625.0	644.0	650.3	625.2	570.8	494.5	473.6	376.7
20°	594.3	597.6	611.0	632.1	662.1	681.6	668.0	621.9	538.7	514.4	410.3
22.5°	630.2	630.2	638.1	653.0	676.9	707.5	704.7	668.8	581.6	557.6	443.6
25°	706.3	706.3	698.6	694.7	707.5	731.5	738.5	718.9	630.8	602.4	478.7
27.5°	807.1	807.1	795.1	766.1	755.0	765.1	772.4	762.5	676.1	648.1	515.8
30°	911.6	915.2	894.3	857.4	818.7	811.0	803.9	801.8	724.4	692.9	553.4
32.5°	1016.6	1016.2	990.1	944.2	893.7	866.5	843.4	840.8	775.7	744.8	589.1
35°	1100.4	1100.6	1073.2	1026.0	967.6	932.9	895.8	883.8	831.9	797.4	631.7
37.5°	1173.0	1168.8	1139.2	1094.5	1040.0	1004.1	958.0	926.6	890.1	855.0	674.3
40°	1214.6	1209.1	1180.3	1137.7	1096.4	1069.0	1028.4	978.3	954.0	916.2	722.9
42.5°	1220.7	1216.0	1196.8	1171.2	1137.5	1113.4	1102.5	1036.7	1021.1	986.8	780.9
45°	1203.5	1195.8	1189.5	1176.1	1166.7	1155.0	1169.8	1098.8	1098.0	1063.9	838.3
47.5°	1160.9	1150.5	1152.1	1166.8	1177.5	1188.0	1234.1	1180.3	1175.5	1143.6	913.6
50°	1088.2	1083.0	1100.4	1129.6	1171.8	1213.6	1298.2	1263.5	1282.2	1252.3	1017.5
52.5°	940.2	946.5	998.4	1068.6	1141.6	1225.6	1358.4	1387.8	1435.7	1411.0	1122.1
55°	762.7	760.3	829.6	954.2	1070.8	1217.9	1384.6	1460.9	1536.3	1510.4	1180.3
57.5°	614.4	618.5	665.3	788.5	950.7	1158.6	1390.7	1499.2	1576.7	1559.5	1234.1
60°	461.1	465.1	507.7	615.0	790.9	1034.7	1340.2	1512.6	1652.6	1639.6	1320.1
62.5°	293.5	298.6	341.4	445.8	604.5	842.2	1226.8	1498.6	1731.9	1742.8	1437.5
65°	144.4	148.9	180.5	260.4	404.1	629.8	1068.6	1445.1	1832.9	1863.9	1531.5
67.5°	79.9	82.1	92.9	132.5	225.4	431.9	858.8	1330.9	1879.3	1920.7	1537.8
70°	62.1	62.7	66.9	77.3	109.9	253.4	610.8	1140.8	1783.2	1833.3	1409.8
72.5°	52.3	53.1	55.0	58.6	68.6	132.0	383.8	881.6	1500.4	1523.1	1090.7
75°	38.3	39.4	45.0	48.1	54.2	80.1	169.2	529.8	991.5	969.2	610.2
77.5°	32.1	33.1	34.5	39.1	44.8	54.6	59.4	222.1	403.5	350.9	160.2
80°	21.9	23.1	26.8	29.2	37.9	36.1	24.7	59.6	81.1	66.1	30.8
82.5°	15.6	16.6	18.5	23.9	27.4	19.1	13.4	18.1	19.5	18.5	10.1
85°	4.9	6.3	13.4	19.7	14.8	6.5	8.5	6.9	6.1	5.9	3.9
87.5°	1.0	1.0	6.7	7.9	5.9	3.4	3.0	2.2	2.8	2.8	2.2
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°	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3
2.5°	213.8	204.9	192.1	180.1	167.8	159.2	153.1	146.9	144.6	143.6	141.0
5°	223.3	206.3	180.9	160.4	145.4	135.9	130.2	125.2	122.1	121.1	119.7
7.5°	236.9	212.4	175.9	152.3	137.3	127.0	117.7	107.1	98.6	95.3	93.9
10°	251.7	221.7	176.7	150.7	130.8	108.3	87.6	70.4	62.9	60.2	58.2
12.5°	273.4	231.9	180.1	148.9	111.2	77.3	56.0	48.9	47.1	46.7	46.4
15°	295.1	246.3	185.6	137.1	83.0	52.7	46.5	44.0	43.0	42.0	42.0
17.5°	317.0	260.2	187.8	114.0	57.4	45.6	42.4	40.2	38.7	37.9	37.3
20°	341.6	274.7	181.5	85.8	46.0	41.6	38.1	35.5	34.1	33.3	32.7
22.5°	368.2	289.1	167.7	59.8	41.8	37.5	34.1	31.6	30.2	29.4	29.2
25°	393.3	301.6	145.6	45.0	37.7	33.5	30.4	28.2	27.2	26.4	26.2
27.5°	419.1	312.2	116.8	39.6	34.3	30.4	27.2	25.4	24.5	23.9	23.7
30°	444.4	319.5	87.0	36.3	31.4	27.4	24.7	23.3	22.3	21.7	21.5
32.5°	470.4	323.7	58.8	33.3	28.4	24.9	22.5	21.1	20.5	19.9	19.9
35°	495.5	323.1	42.4	30.6	26.0	22.5	20.3	19.3	19.1	18.5	18.5
37.5°	522.9	318.9	36.1	28.0	23.5	20.3	18.5	17.9	17.8	17.4	17.2
40°	554.0	309.7	32.9	26.0	21.3	18.5	17.0	16.6	16.4	16.0	16.0
42.5°	588.2	297.6	31.2	23.9	19.5	16.8	15.6	15.0	14.8	14.4	14.4
45°	627.8	286.2	30.0	21.7	17.9	15.4	14.2	13.6	13.4	13.0	13.0
47.5°	681.8	279.7	28.0	19.7	16.2	14.0	12.8	12.4	12.0	11.6	11.6
50°	756.2	272.0	25.4	17.8	14.8	12.6	11.8	11.2	11.0	10.7	10.7
52.5°	817.3	255.6	22.9	15.8	13.2	11.6	10.8	10.5	10.1	9.9	9.9
55°	838.8	236.5	20.3	14.2	12.0	10.8	10.1	9.7	9.5	9.3	9.3
57.5°	873.2	230.4	17.9	12.6	10.8	10.1	9.3	9.1	8.9	8.7	8.5
60°	931.7	233.9	15.8	11.2	9.9	9.1	8.5	8.3	7.9	7.5	7.5
62.5°	988.5	229.6	13.4	9.9	8.5	8.1	7.5	7.1	6.3	5.7	5.3
65°	1002.4	200.6	11.6	8.3	7.1	6.7	6.1	5.3	4.1	3.4	3.4
67.5°	935.5	152.5	10.1	7.1	5.9	5.5	4.3	3.6	2.6	2.0	2.0
70°	772.0	96.6	8.3	5.5	4.9	3.7	2.8	2.6	1.8	1.6	1.4
72.5°	557.0	52.9	6.9	4.5	3.6	2.4	2.0	1.6	1.2	0.8	0.8
75°	282.0	24.9	5.1	3.6	2.4	1.6	1.2	0.8	0.8	0.6	0.6
77.5°	79.9	11.4	3.4	2.4	1.6	1.0	0.8	0.6	0.6	0.4	0.4
80°	15.8	5.7	2.2	1.6	1.2	0.8	0.6	0.4	0.4	0.2	0.2
82.5°	5.7	3.0	1.6	1.2	1.0	0.8	0.4	0.2	0.2	0.0	0.0
85°	3.0	1.6	1.2	1.0	0.8	0.6	0.4	0.2	0.0	0.0	0.0
87.5°	1.6	1.2	1.0	1.0	0.8	0.6	0.4	0.2	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)