

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: P674593

Luminaire Tested: **CCP-SA-1C-827-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674593
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-827-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

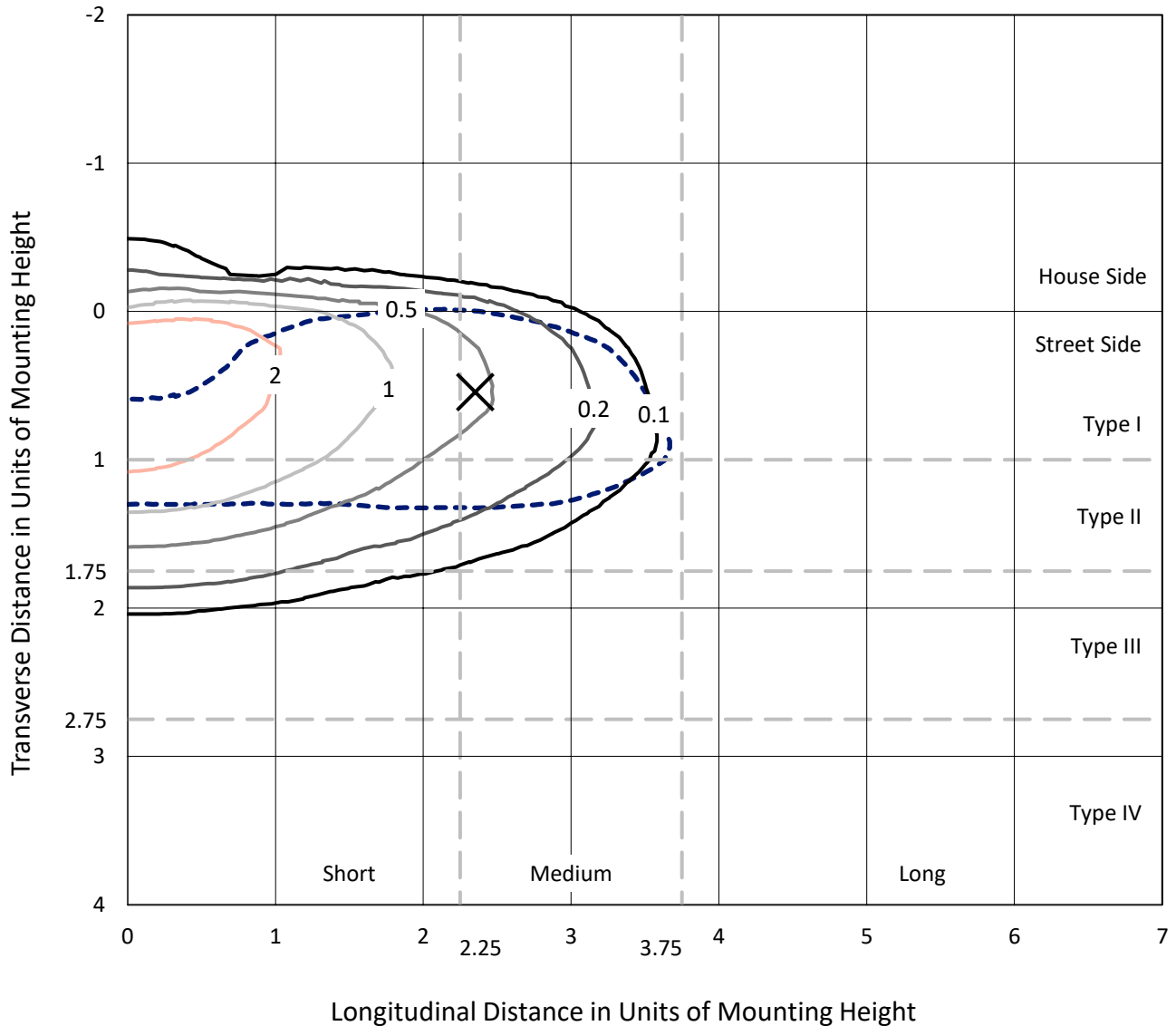
Lumens per Lamp: N/A
Luminaire Lumens: 2691.1 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

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

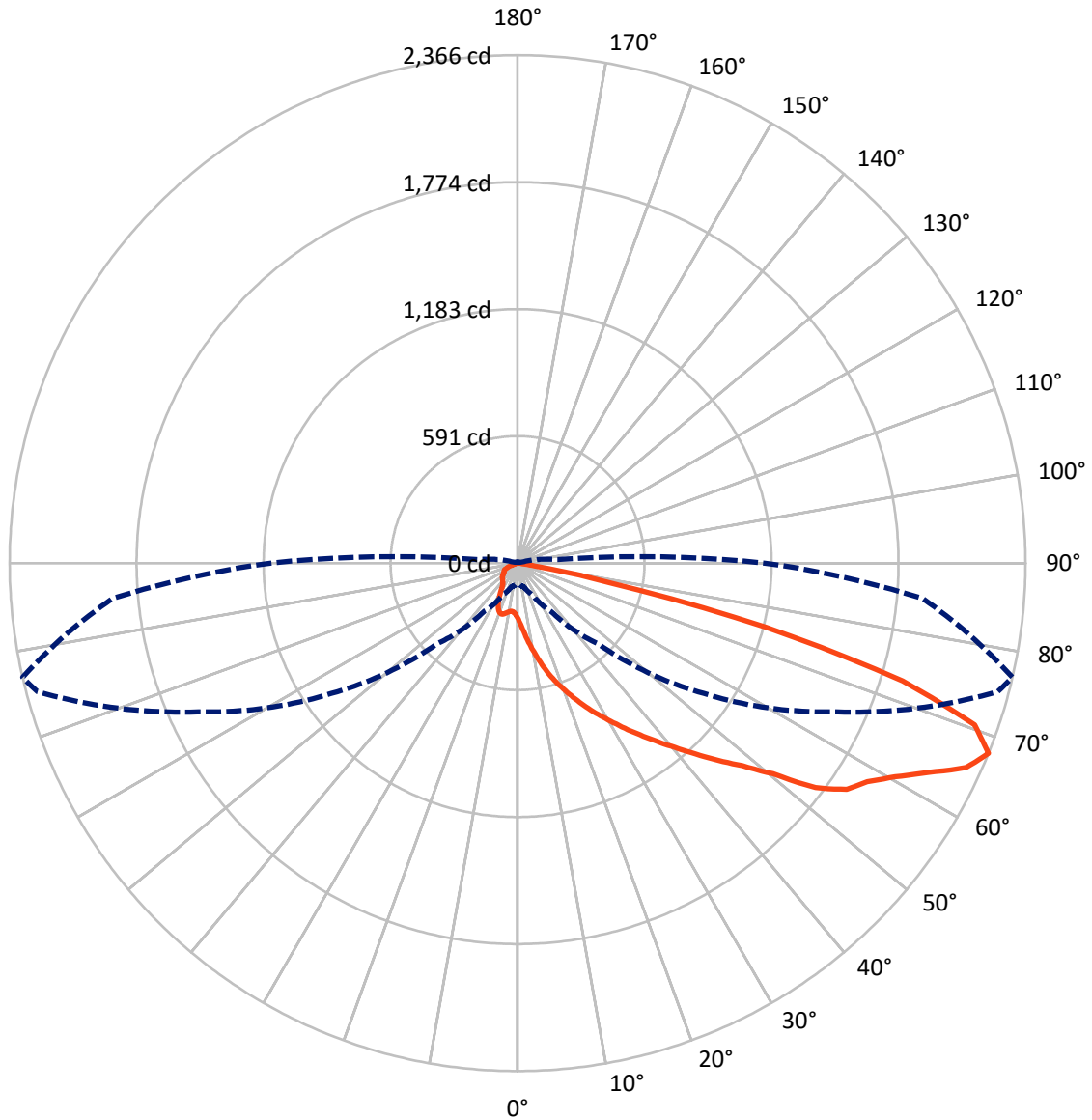
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 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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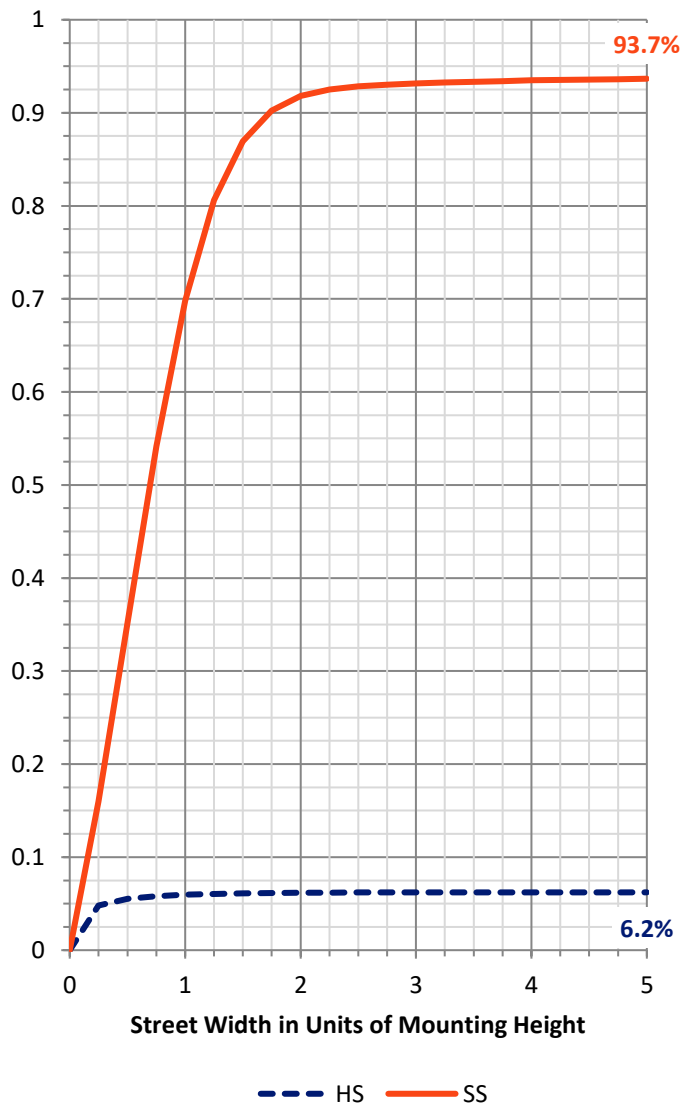
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	168.2	0.0	168.2
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	2522.9	0.0	2522.9
	% Fixture	93.8	0.0	93.8
Total	Lumens	2691.1	0.0	2691.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.3	1.1
10°-20°	112.0	4.2
20°-30°	218.9	8.1
30°-40°	382.6	14.2
40°-50°	558.0	20.7
50°-60°	652.5	24.2
60°-70°	529.0	19.7
70°-80°	198.7	7.4
80°-90°	9.0	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°	2691.1	100.0
0°-180°	2691.1	100.0

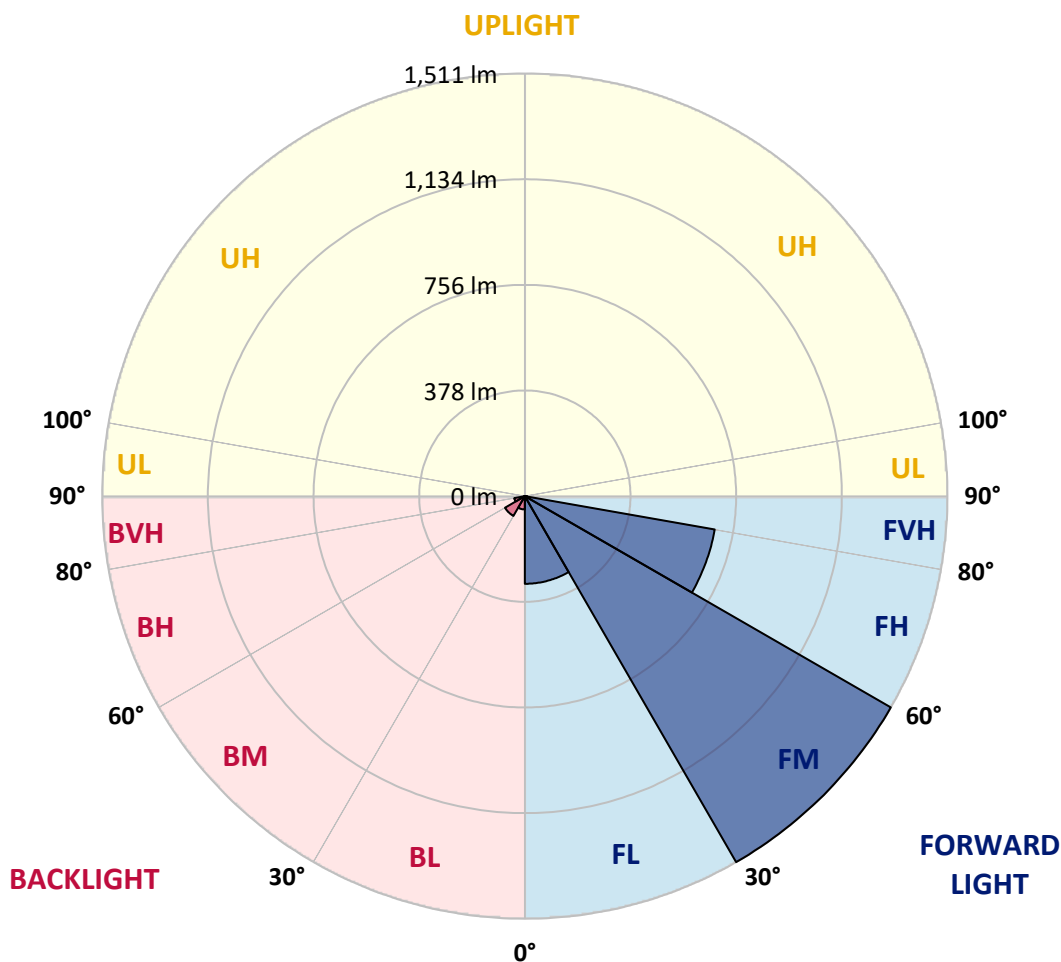


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	313.5	11.6			
FM (30°-60°)	1511.4	56.2			
FH (60°-80°)	689.5	25.6			G1/1800
FVH (80°-90°)	8.5	0.3			G0/10
BL (0°-30°)	47.7	1.8	B0/110		
BM (30°-60°)	81.8	3.0	B0/220		
BH (60°-80°)	38.1	1.4	B0/110		G0/110
BVH (80°-90°)	0.5	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	257.8	257.8	257.8	257.8	257.8	257.8	257.8	257.8	257.8	257.8	257.8
2.5°	387.0	372.9	375.6	369.8	362.2	344.7	326.3	307.8	291.3	287.6	271.1
5°	495.6	491.2	486.6	482.7	466.9	445.1	411.8	369.5	331.4	324.8	290.6
7.5°	579.9	573.3	577.5	565.6	549.0	527.9	485.6	440.4	381.7	371.9	318.7
10°	642.1	638.4	640.4	634.8	626.8	605.6	563.9	507.3	439.2	420.8	350.3
12.5°	688.7	689.5	698.0	698.4	691.9	674.6	630.4	571.4	491.5	474.9	385.3
15°	722.7	723.5	733.9	745.1	752.6	743.6	703.5	637.5	552.9	530.3	422.0
17.5°	728.3	728.8	747.3	769.9	793.2	801.0	770.1	703.1	609.0	583.3	464.0
20°	732.0	736.1	752.6	778.6	815.5	839.6	822.8	766.0	663.5	633.6	505.3
22.5°	776.2	776.2	785.9	804.4	833.8	871.4	868.0	823.8	716.4	686.8	546.4
25°	870.0	870.0	860.5	855.6	871.4	901.1	909.6	885.5	776.9	741.9	589.6
27.5°	994.1	994.1	979.3	943.6	930.0	942.4	951.3	939.2	832.8	798.3	635.3
30°	1122.9	1127.2	1101.5	1056.1	1008.4	999.0	990.2	987.5	892.3	853.4	681.7
32.5°	1252.1	1251.6	1219.6	1162.9	1100.8	1067.2	1038.8	1035.6	955.5	917.3	725.7
35°	1355.4	1355.6	1321.8	1263.8	1191.9	1149.1	1103.4	1088.6	1024.7	982.2	778.1
37.5°	1444.8	1439.7	1403.2	1348.1	1281.0	1236.8	1180.0	1141.3	1096.4	1053.1	830.6
40°	1496.0	1489.2	1453.7	1401.3	1350.5	1316.7	1266.7	1205.0	1175.1	1128.4	890.4
42.5°	1503.5	1497.7	1474.2	1442.6	1401.0	1371.4	1358.0	1276.9	1257.7	1215.4	961.8
45°	1482.4	1472.9	1465.2	1448.6	1437.0	1422.6	1440.9	1353.4	1352.4	1310.4	1032.5
47.5°	1429.9	1417.1	1419.0	1437.2	1450.3	1463.2	1520.1	1453.7	1447.9	1408.6	1125.3
50°	1340.3	1334.0	1355.4	1391.3	1443.3	1494.8	1599.0	1556.3	1579.3	1542.4	1253.3
52.5°	1158.1	1165.9	1229.8	1316.2	1406.1	1509.6	1673.1	1709.3	1768.3	1738.0	1382.1
55°	939.4	936.5	1021.8	1175.3	1318.9	1500.1	1705.4	1799.4	1892.2	1860.4	1453.7
57.5°	756.8	761.9	819.4	971.3	1171.0	1427.0	1713.0	1846.6	1942.1	1920.9	1520.1
60°	568.0	572.8	625.3	757.5	974.2	1274.5	1650.8	1863.1	2035.6	2019.5	1626.0
62.5°	361.5	367.8	420.5	549.0	744.6	1037.3	1511.1	1845.8	2133.2	2146.6	1770.5
65°	177.8	183.4	222.3	320.7	497.8	775.7	1316.2	1780.0	2257.6	2295.8	1886.4
67.5°	98.4	101.1	114.4	163.3	277.7	532.0	1057.8	1639.3	2314.7	2365.7	1894.2
70°	76.5	77.3	82.4	95.2	135.3	312.2	752.4	1405.2	2196.4	2258.1	1736.5
72.5°	64.4	65.4	67.8	72.2	84.5	162.5	472.8	1085.9	1848.0	1876.0	1343.4
75°	47.1	48.6	55.4	59.3	66.8	98.6	208.4	652.5	1221.3	1193.8	751.7
77.5°	39.6	40.8	42.5	48.1	55.1	67.3	73.1	273.5	497.1	432.2	197.3
80°	27.0	28.4	33.0	36.0	46.6	44.5	30.4	73.4	99.8	81.4	37.9
82.5°	19.2	20.4	22.8	29.4	33.8	23.6	16.5	22.4	24.1	22.8	12.4
85°	6.1	7.8	16.5	24.3	18.2	8.0	10.4	8.5	7.5	7.3	4.9
87.5°	1.2	1.2	8.3	9.7	7.3	4.1	3.6	2.7	3.4	3.4	2.7
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°	257.8	257.8	257.8	257.8	257.8	257.8	257.8	257.8	257.8	257.8	257.8
2.5°	263.3	252.4	236.6	221.8	206.7	196.1	188.5	181.0	178.1	176.9	173.7
5°	275.0	254.1	222.8	197.5	179.0	167.4	160.3	154.3	150.4	149.2	147.5
7.5°	291.8	261.6	216.7	187.5	169.1	156.5	145.0	131.9	121.5	117.3	115.6
10°	310.0	273.1	217.7	185.6	161.1	133.4	107.9	86.7	77.5	74.1	71.7
12.5°	336.7	285.7	221.8	183.4	137.0	95.2	69.0	60.2	58.1	57.6	57.1
15°	363.4	303.4	228.6	168.8	102.3	64.9	57.3	54.2	53.0	51.7	51.7
17.5°	390.4	320.4	231.3	140.4	70.7	56.1	52.2	49.6	47.6	46.6	45.9
20°	420.8	338.4	223.5	105.7	56.6	51.3	46.9	43.7	42.0	41.1	40.3
22.5°	453.6	356.1	206.5	73.6	51.5	46.2	42.0	38.9	37.2	36.2	36.0
25°	484.4	371.5	179.3	55.4	46.4	41.3	37.4	34.7	33.5	32.6	32.3
27.5°	516.2	384.6	143.8	48.8	42.3	37.4	33.5	31.3	30.1	29.4	29.2
30°	547.3	393.6	107.1	44.7	38.6	33.8	30.4	28.7	27.5	26.7	26.5
32.5°	579.4	398.7	72.4	41.1	35.0	30.6	27.7	26.0	25.3	24.5	24.5
35°	610.3	397.9	52.2	37.7	32.1	27.7	25.0	23.8	23.6	22.8	22.8
37.5°	644.0	392.8	44.5	34.5	28.9	25.0	22.8	22.1	21.9	21.4	21.1
40°	682.4	381.4	40.6	32.1	26.2	22.8	20.9	20.4	20.2	19.7	19.7
42.5°	724.4	366.6	38.4	29.4	24.1	20.6	19.2	18.5	18.2	17.7	17.7
45°	773.3	352.5	36.9	26.7	22.1	18.9	17.5	16.8	16.5	16.0	16.0
47.5°	839.8	344.5	34.5	24.3	19.9	17.2	15.8	15.3	14.8	14.3	14.3
50°	931.4	335.0	31.3	21.9	18.2	15.5	14.6	13.8	13.6	13.1	13.1
52.5°	1006.7	314.8	28.2	19.4	16.3	14.3	13.4	12.9	12.4	12.1	12.1
55°	1033.2	291.3	25.0	17.5	14.8	13.4	12.4	11.9	11.7	11.4	11.4
57.5°	1075.5	283.8	22.1	15.5	13.4	12.4	11.4	11.2	10.9	10.7	10.4
60°	1147.6	288.1	19.4	13.8	12.1	11.2	10.4	10.2	9.7	9.2	9.2
62.5°	1217.6	282.8	16.5	12.1	10.4	10.0	9.2	8.7	7.8	7.0	6.6
65°	1234.6	247.1	14.3	10.2	8.7	8.3	7.5	6.6	5.1	4.1	4.1
67.5°	1152.3	187.8	12.4	8.7	7.3	6.8	5.3	4.4	3.2	2.4	2.4
70°	950.9	119.0	10.2	6.8	6.1	4.6	3.4	3.2	2.2	1.9	1.7
72.5°	686.1	65.1	8.5	5.6	4.4	2.9	2.4	1.9	1.5	1.0	1.0
75°	347.4	30.6	6.3	4.4	2.9	1.9	1.5	1.0	1.0	0.7	0.7
77.5°	98.4	14.1	4.1	2.9	1.9	1.2	1.0	0.7	0.7	0.5	0.5
80°	19.4	7.0	2.7	1.9	1.5	1.0	0.7	0.5	0.5	0.2	0.2
82.5°	7.0	3.6	1.9	1.5	1.2	1.0	0.5	0.2	0.2	0.0	0.0
85°	3.6	1.9	1.5	1.2	1.0	0.7	0.5	0.2	0.0	0.0	0.0
87.5°	1.9	1.5	1.2	1.2	1.0	0.7	0.5	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)