

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: P674664

Luminaire Tested: **CCP-SA-2A-722-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674664
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-722-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

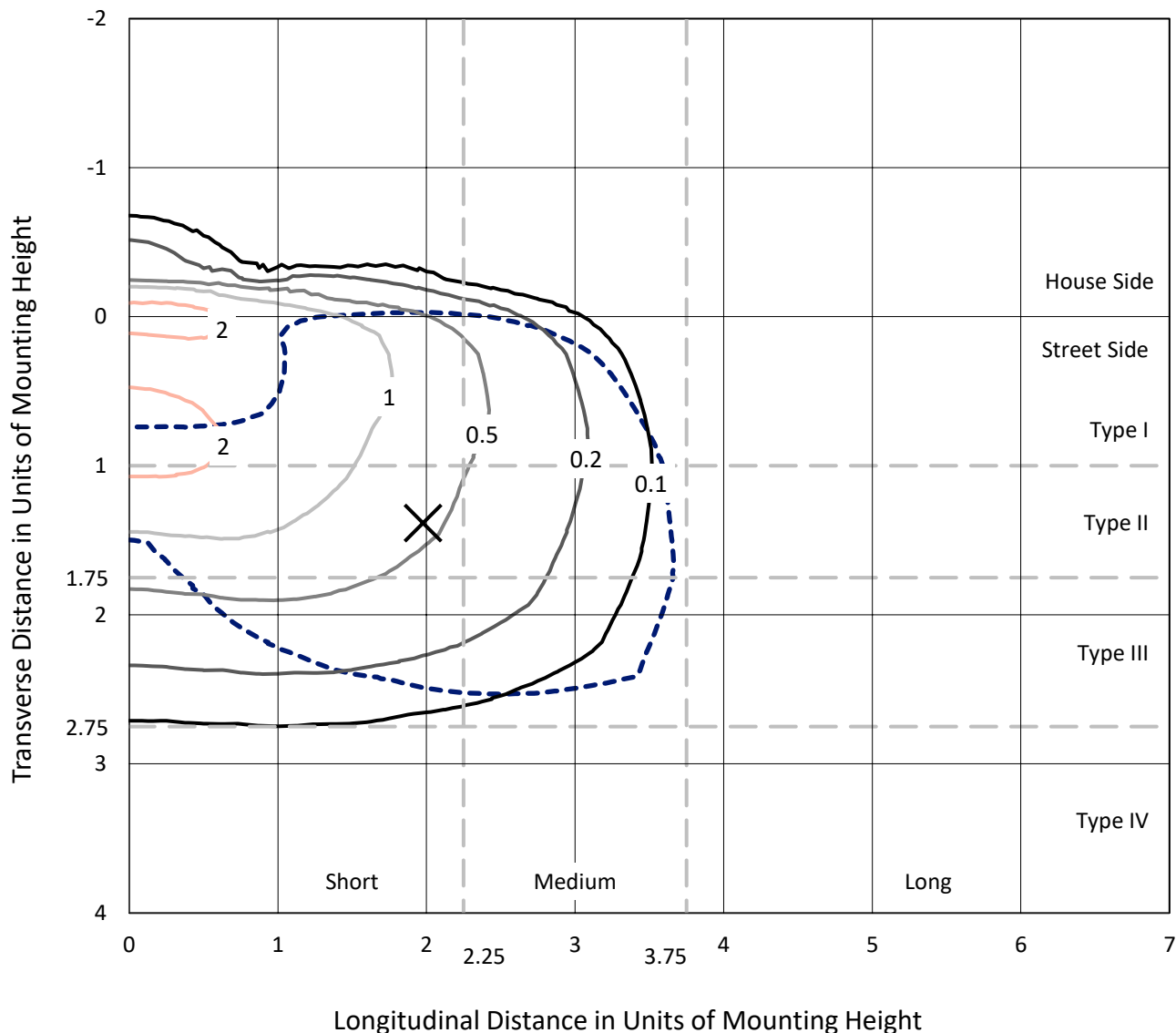
Lumens per Lamp: N/A
Luminaire Lumens: 3196.5 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
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

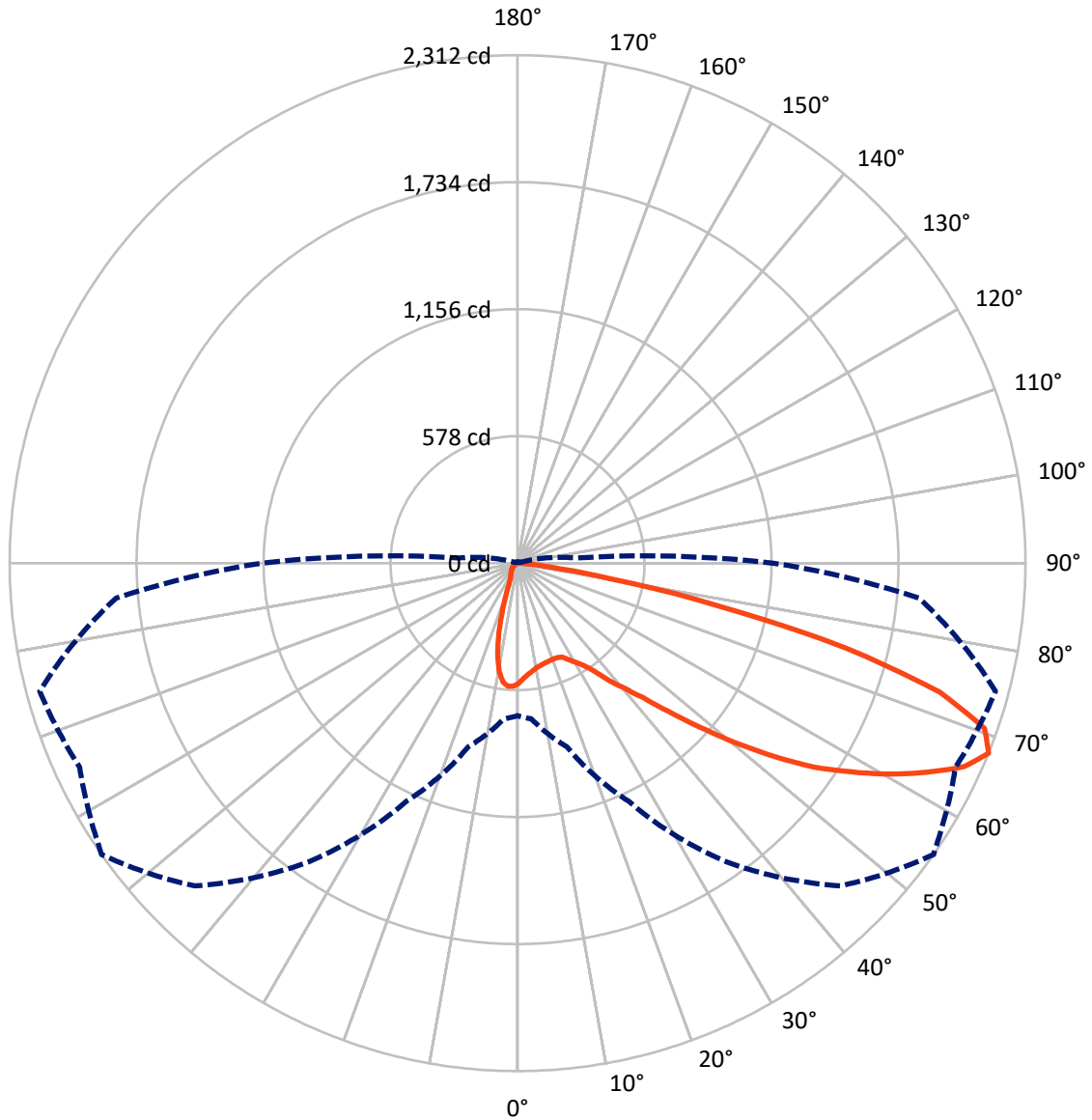
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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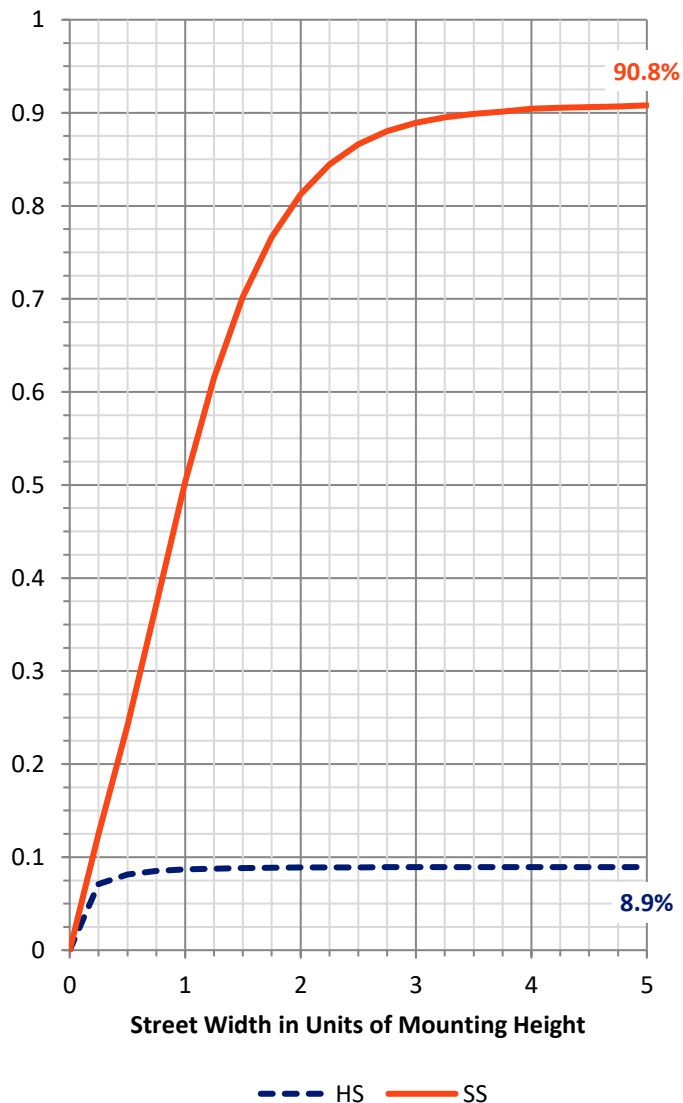
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	287.2	0.0	287.2
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	2909.3	0.0	2909.3
	% Fixture	91.0	0.0	91.0
Total	Lumens	3196.5	0.0	3196.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.1	1.5
10°-20°	109.5	3.4
20°-30°	175.6	5.5
30°-40°	304.6	9.5
40°-50°	507.9	15.9
50°-60°	742.7	23.2
60°-70°	866.0	27.1
70°-80°	420.3	13.1
80°-90°	22.0	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°	3196.5	100.0
0°-180°	3196.5	100.0



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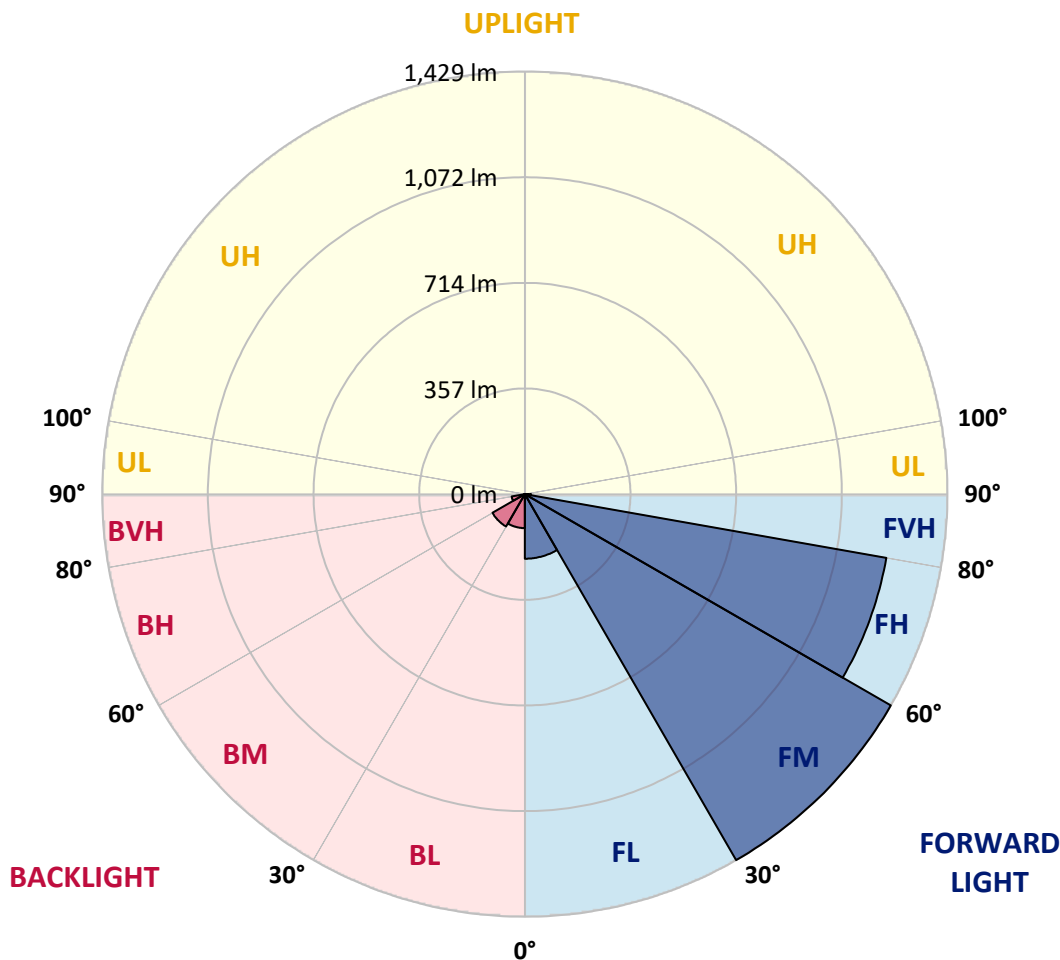
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	218.4	6.8			
FM (30°-60°)	1428.7	44.7			
FH (60°-80°)	1240.9	38.8			G1/1800
FVH (80°-90°)	21.3	0.7			G1/100
BL (0°-30°)	114.8	3.6	B1/500		
BM (30°-60°)	126.4	4.0	B0/220		
BH (60°-80°)	45.3	1.4	B0/110		G0/110
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	547.8	547.8	547.8	547.8	547.8	547.8	547.8	547.8	547.8	547.8	547.8
2.5°	505.7	508.9	513.0	514.5	519.5	526.6	524.5	523.0	531.0	541.9	545.4
5°	474.2	474.5	480.9	485.6	494.2	501.0	508.3	507.7	522.2	540.7	552.5
7.5°	443.2	443.8	450.6	458.0	470.3	483.6	494.8	494.2	517.5	542.2	564.6
10°	402.6	405.5	413.8	426.7	446.2	467.1	482.7	484.2	512.1	547.8	581.1
12.5°	369.9	371.4	380.5	397.3	420.3	447.7	476.8	475.9	513.3	558.1	602.6
15°	356.1	355.2	360.8	373.1	399.4	433.8	470.9	473.0	517.5	569.9	624.9
17.5°	359.3	358.4	361.4	365.8	384.3	422.3	467.7	471.2	523.9	582.2	645.9
20°	395.2	389.0	383.7	379.0	381.7	412.9	465.6	469.4	527.8	591.7	667.9
22.5°	464.4	456.8	442.6	416.4	399.1	413.5	466.2	471.2	536.3	607.0	694.7
25°	577.2	569.9	539.5	485.9	440.0	434.7	474.2	479.5	556.0	630.2	723.3
27.5°	726.6	710.1	673.2	596.4	507.7	468.6	498.0	503.9	584.0	648.2	742.7
30°	850.5	846.7	811.4	717.1	601.1	518.3	524.8	528.1	596.7	659.1	762.2
32.5°	979.2	971.3	938.9	847.3	709.5	589.3	554.9	556.3	613.2	675.3	790.5
35°	1091.2	1083.8	1056.7	967.8	836.1	684.7	604.6	601.4	647.3	710.9	828.7
37.5°	1194.8	1193.9	1170.1	1079.4	949.8	783.7	678.0	675.3	700.6	750.1	880.6
40°	1296.1	1293.8	1273.5	1190.7	1061.7	882.3	747.8	741.0	746.0	804.9	948.9
42.5°	1358.3	1363.3	1370.3	1317.9	1194.5	998.1	836.1	832.0	831.1	890.6	1038.7
45°	1391.8	1400.7	1442.2	1437.5	1335.3	1142.1	961.9	951.3	947.7	1008.4	1141.5
47.5°	1424.5	1428.4	1496.4	1525.0	1470.2	1292.3	1113.8	1099.1	1084.7	1152.1	1264.3
50°	1426.6	1432.8	1517.0	1586.5	1583.3	1440.1	1284.3	1271.4	1254.9	1327.1	1384.2
52.5°	1397.7	1410.1	1514.4	1625.4	1653.4	1570.6	1461.3	1450.7	1437.2	1491.1	1485.2
55°	1198.4	1219.3	1462.5	1628.9	1702.6	1682.5	1639.2	1624.5	1611.3	1649.5	1584.2
57.5°	1103.5	1115.3	1305.3	1626.3	1765.3	1786.2	1793.6	1786.8	1768.2	1815.9	1687.5
60°	1046.7	1063.8	1230.2	1596.8	1833.0	1903.4	1949.6	1936.1	1913.4	1979.1	1798.3
62.5°	978.7	991.0	1155.4	1512.0	1873.4	2022.7	2096.0	2083.6	2036.8	2129.6	1887.8
65°	853.2	871.7	1036.4	1378.6	1819.2	2110.2	2233.8	2229.7	2148.4	2243.3	1912.2
67.5°	694.5	711.2	864.7	1195.7	1660.7	2077.5	2311.9	2298.9	2199.1	2251.8	1834.8
70°	521.3	530.4	646.2	913.6	1360.6	1902.8	2255.3	2252.7	2122.2	2125.2	1597.1
72.5°	279.8	305.1	429.7	611.4	956.9	1541.2	2010.0	1999.4	1893.4	1740.5	1148.6
75°	97.8	105.1	228.8	343.4	519.8	1026.7	1545.6	1520.8	1416.0	1132.1	625.8
77.5°	60.1	66.0	101.6	175.5	202.3	445.6	928.6	896.5	828.7	489.5	213.8
80°	41.5	46.8	68.0	91.9	68.9	144.3	427.3	415.3	319.5	116.6	49.2
82.5°	23.3	28.0	51.5	45.1	27.7	37.4	148.1	137.2	85.1	31.5	16.5
85°	13.5	16.2	36.2	31.8	14.1	13.3	38.6	34.5	22.1	11.8	8.0
87.5°	7.1	9.1	26.5	21.2	8.5	4.7	8.8	8.5	5.6	4.1	5.3
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°	547.8	547.8	547.8	547.8	547.8	547.8	547.8	547.8	547.8	547.8	547.8
2.5°	551.9	550.4	558.1	560.7	560.2	559.0	561.9	558.1	557.8	556.9	556.0
5°	561.9	564.3	570.5	570.5	562.2	548.7	540.4	529.2	519.8	514.2	513.3
7.5°	576.9	581.7	585.8	573.1	544.8	511.3	475.6	447.7	423.2	410.5	409.4
10°	598.1	602.6	599.3	563.1	502.4	432.9	374.9	316.6	287.4	271.5	271.5
12.5°	623.5	627.0	607.3	538.1	432.6	331.9	254.5	193.2	164.0	145.2	144.0
15°	650.9	651.7	606.1	494.5	346.3	222.9	146.1	107.2	94.8	92.2	91.6
17.5°	674.7	671.2	593.7	430.0	249.4	132.8	92.8	83.9	81.6	81.6	81.6
20°	697.1	685.3	569.0	354.9	159.9	90.4	79.8	77.5	77.5	77.8	77.8
22.5°	721.8	698.6	533.6	271.5	102.8	77.5	74.8	73.6	73.3	74.2	73.9
25°	751.0	711.5	483.0	187.6	79.5	72.2	71.0	69.8	69.8	69.8	69.8
27.5°	767.2	709.8	425.3	118.4	69.5	66.9	65.7	64.5	63.6	63.3	63.6
30°	781.3	699.5	349.9	82.8	62.7	59.8	58.9	57.4	55.7	55.1	55.1
32.5°	799.9	690.9	270.9	66.6	56.8	53.6	50.9	48.6	45.6	44.5	44.2
35°	820.5	675.3	198.5	58.6	51.5	47.4	43.3	39.5	35.6	34.5	34.2
37.5°	846.1	661.2	134.6	54.2	47.1	42.1	36.5	31.2	27.7	27.1	27.1
40°	880.9	649.4	93.1	50.4	43.0	37.1	30.3	24.7	22.4	21.8	21.8
42.5°	928.3	639.7	70.4	47.1	39.5	32.1	24.4	20.3	18.6	18.0	18.0
45°	984.2	624.7	59.5	44.2	35.9	27.1	20.3	17.1	16.2	16.2	16.2
47.5°	1048.4	605.8	54.2	41.2	32.1	22.1	17.1	15.6	15.3	15.3	15.6
50°	1113.2	583.4	50.4	37.7	27.7	18.8	15.6	14.7	14.7	15.0	15.0
52.5°	1157.1	548.4	46.5	33.9	23.3	16.5	14.7	14.4	14.1	14.1	14.1
55°	1199.8	517.7	41.2	29.7	19.4	15.3	14.1	13.8	13.8	13.5	13.5
57.5°	1244.3	493.6	34.5	24.7	16.5	14.4	13.5	13.5	13.0	12.7	12.7
60°	1295.8	472.4	26.5	19.4	14.4	13.5	12.7	12.4	11.8	11.2	11.2
62.5°	1310.9	427.6	20.0	15.6	12.4	11.8	11.5	10.9	9.4	8.2	8.5
65°	1271.7	357.2	15.9	12.4	10.0	10.0	9.1	7.7	6.2	5.3	5.3
67.5°	1163.6	266.8	13.0	9.7	8.0	7.7	6.5	5.6	3.8	3.2	3.2
70°	958.9	176.4	10.6	7.7	6.5	5.3	4.4	4.1	2.9	2.4	2.4
72.5°	672.1	95.7	8.8	6.2	4.7	3.5	2.9	2.7	2.1	1.8	1.5
75°	354.9	36.8	7.1	4.7	2.9	2.4	1.8	1.8	1.5	1.2	1.2
77.5°	121.6	15.6	5.0	2.7	2.1	1.5	1.2	0.9	1.2	0.9	0.9
80°	28.9	9.1	3.2	1.8	1.2	0.9	0.9	0.6	0.6	0.6	0.6
82.5°	12.7	5.3	2.1	1.2	1.2	0.9	0.6	0.3	0.3	0.3	0.3
85°	8.5	3.2	1.5	1.2	0.9	0.6	0.3	0.3	0.0	0.0	0.0
87.5°	6.8	2.1	1.2	1.2	0.9	0.6	0.3	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)