

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: P674697

Luminaire Tested: **CCP-SA-2A-735-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674697
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-735-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

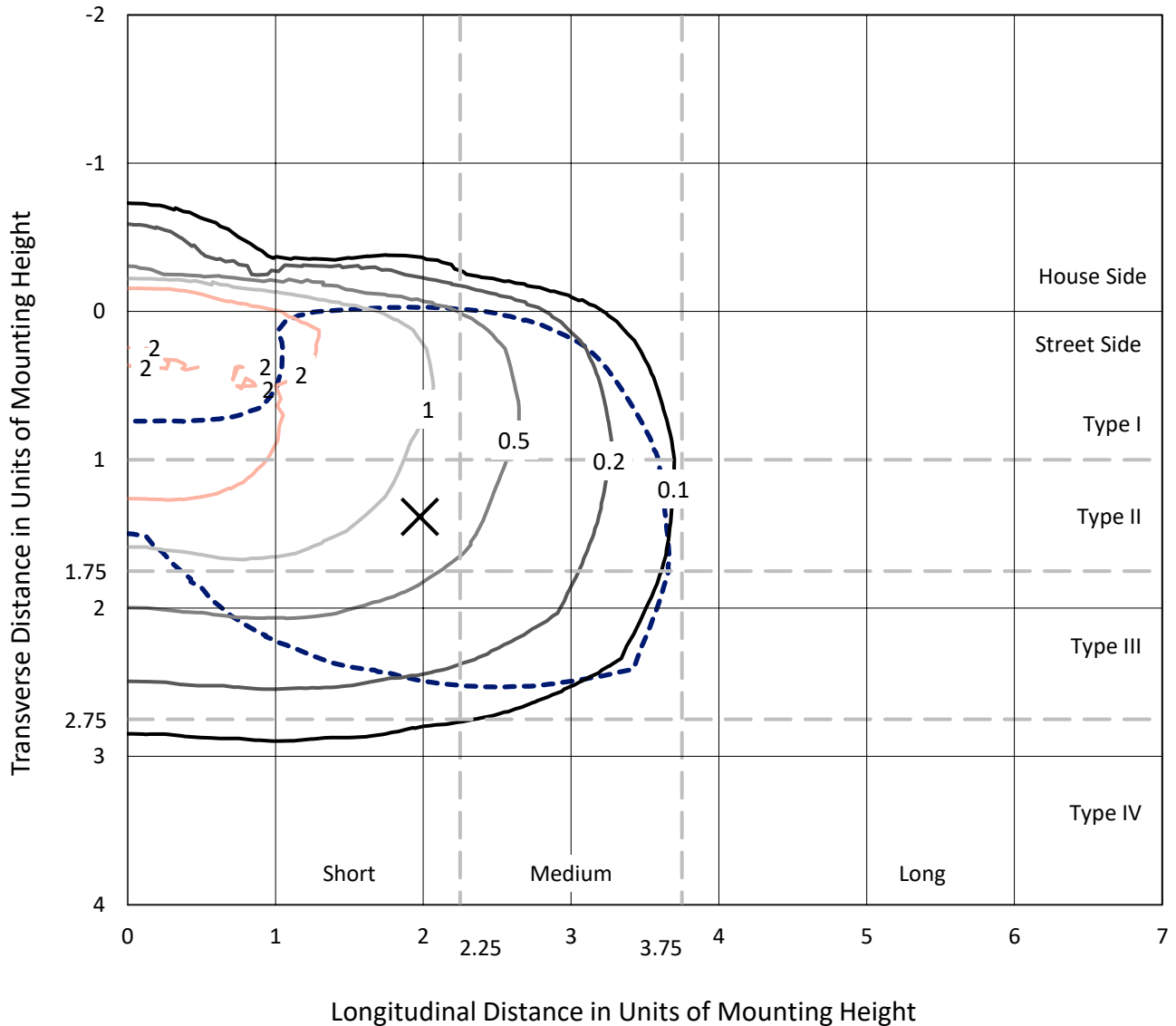
Lumens per Lamp: N/A
Luminaire Lumens: 4280.1 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

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

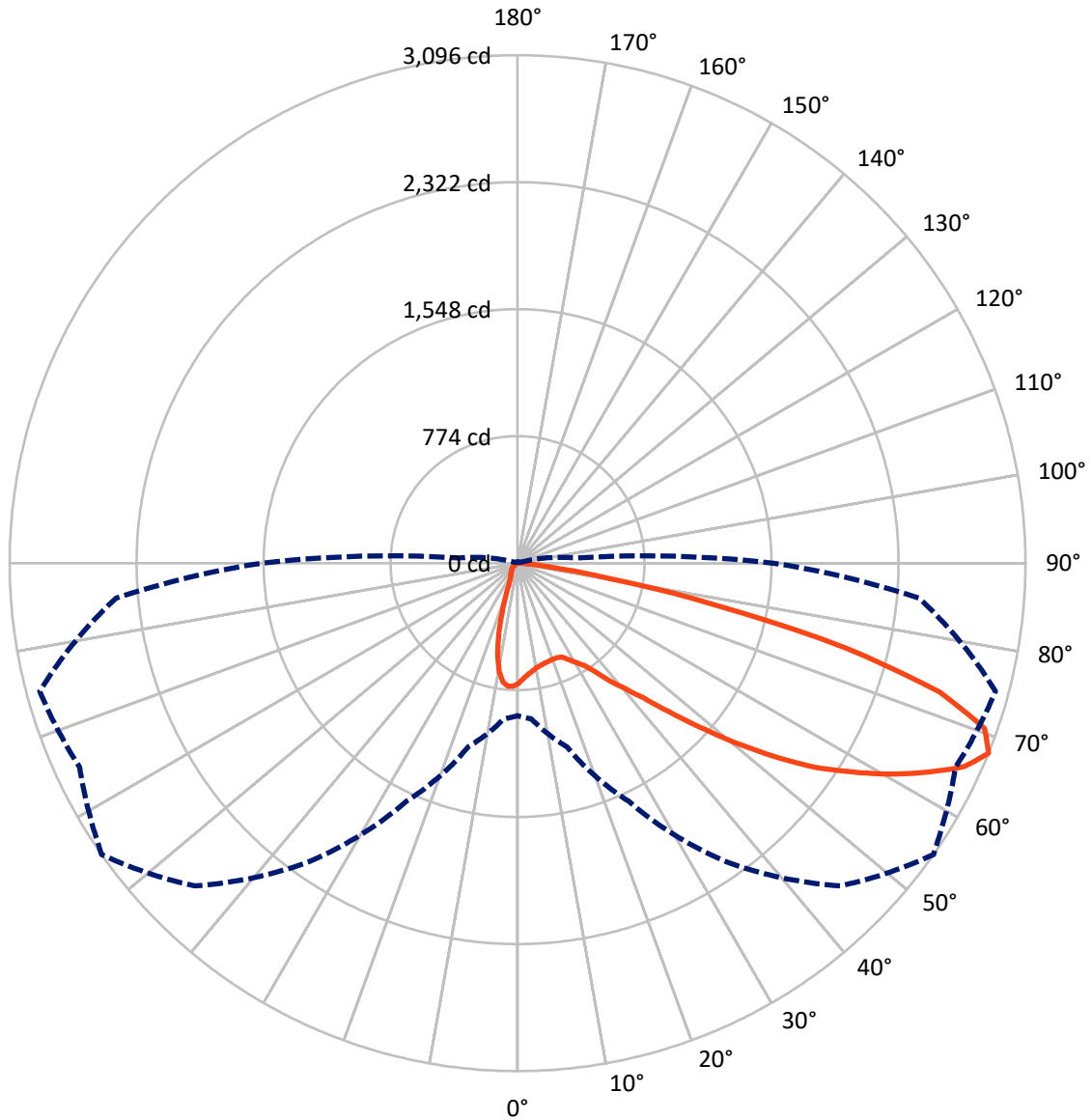
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 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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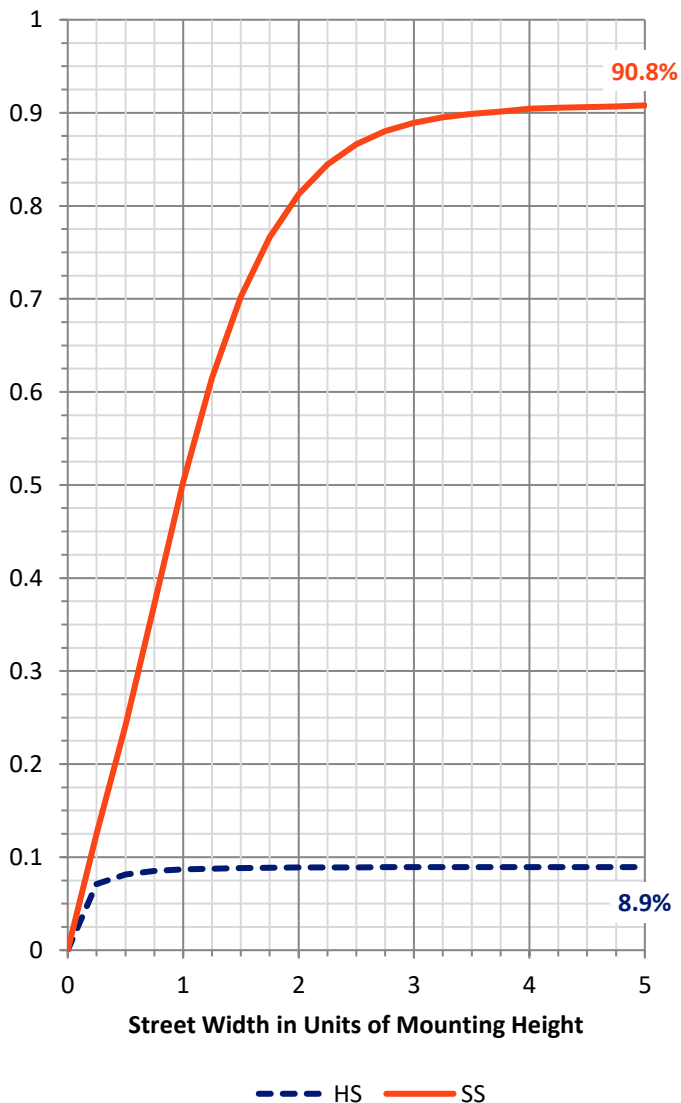
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	384.5	0.0	384.5
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	3895.6	0.0	3895.6
	% Fixture	91.0	0.0	91.0
Total	Lumens	4280.1	0.0	4280.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	1.5
10°-20°	146.6	3.4
20°-30°	235.1	5.5
30°-40°	407.8	9.5
40°-50°	680.0	15.9
50°-60°	994.4	23.2
60°-70°	1159.5	27.1
70°-80°	562.7	13.1
80°-90°	29.4	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°	4280.1	100.0
0°-180°	4280.1	100.0

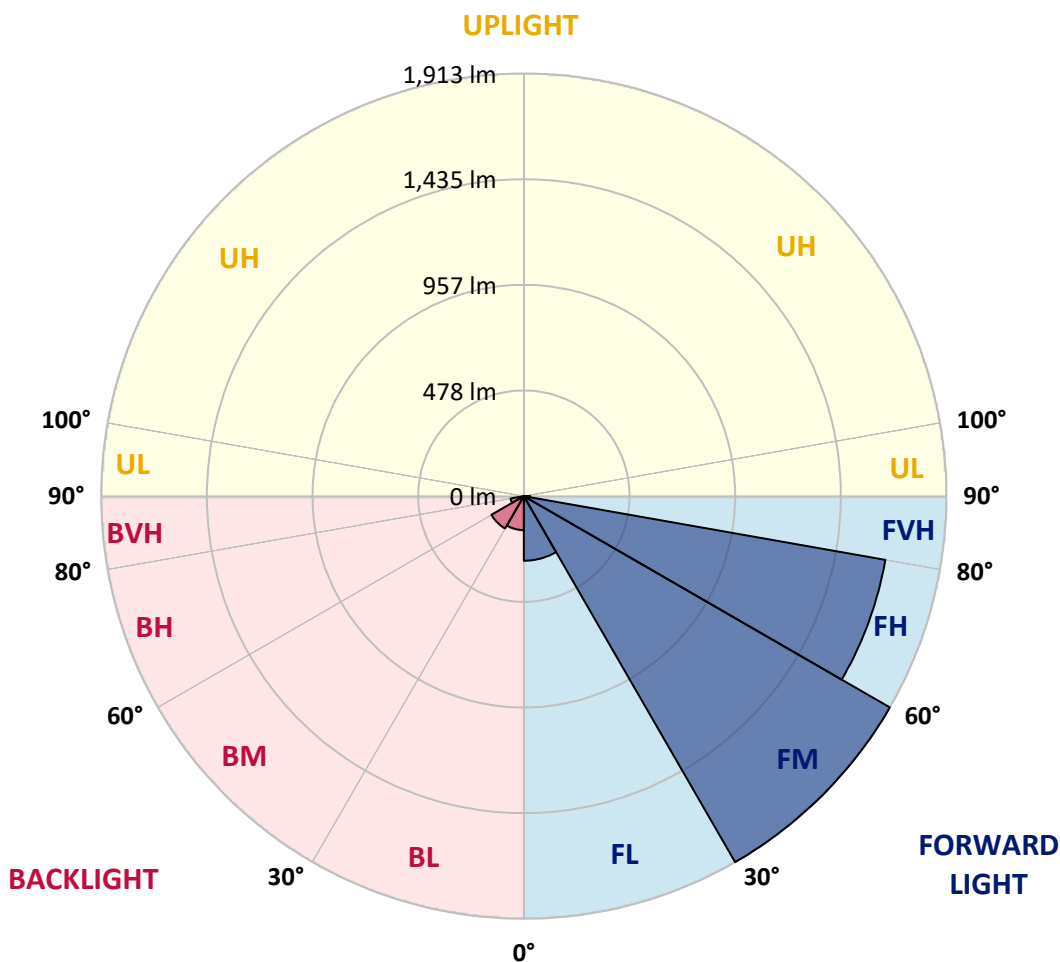


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.4	6.8			
FM (30°-60°)	1913.0	44.7			
FH (60°-80°)	1661.6	38.8			G1/1800
FVH (80°-90°)	28.6	0.7			G1/100
BL (0°-30°)	153.7	3.6	B1/500		
BM (30°-60°)	169.3	4.0	B0/220		
BH (60°-80°)	60.7	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	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°	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5
2.5°	677.1	681.4	686.9	688.9	695.6	705.1	702.3	700.4	711.0	725.6	730.3
5°	634.9	635.3	644.0	650.3	661.7	670.8	680.6	679.8	699.2	724.0	739.8
7.5°	593.5	594.3	603.3	613.2	629.8	647.5	662.5	661.7	692.9	726.0	756.0
10°	539.1	543.0	554.1	571.4	597.4	625.4	646.3	648.3	685.8	733.5	778.0
12.5°	495.3	497.3	509.5	532.0	562.7	599.4	638.4	637.3	687.3	747.3	806.8
15°	476.8	475.6	483.1	499.6	534.7	580.9	630.6	633.3	692.9	763.1	836.8
17.5°	481.1	479.9	483.9	489.8	514.6	565.5	626.2	630.9	701.5	779.6	864.8
20°	529.2	520.9	513.8	507.5	511.1	552.9	623.5	628.6	706.7	792.2	894.4
22.5°	621.9	611.6	592.7	557.6	534.3	553.7	624.2	630.9	718.1	812.7	930.3
25°	772.9	763.1	722.4	650.7	589.1	582.1	634.9	642.0	744.5	843.9	968.5
27.5°	972.8	950.8	901.5	798.5	679.8	627.4	666.8	674.7	782.0	867.9	994.5
30°	1138.9	1133.7	1086.4	960.2	804.9	694.0	702.7	707.1	798.9	882.5	1020.6
32.5°	1311.2	1300.5	1257.2	1134.5	950.0	789.1	742.9	744.9	821.0	904.2	1058.4
35°	1461.0	1451.2	1414.9	1295.8	1119.5	916.8	809.6	805.2	866.8	951.9	1109.7
37.5°	1599.9	1598.7	1566.7	1445.3	1271.8	1049.3	907.8	904.2	938.1	1004.4	1179.1
40°	1735.5	1732.4	1705.1	1594.3	1421.6	1181.5	1001.2	992.2	998.9	1077.7	1270.6
42.5°	1818.7	1825.4	1834.9	1764.7	1599.5	1336.4	1119.5	1114.0	1112.8	1192.5	1390.8
45°	1863.7	1875.5	1931.1	1924.8	1788.0	1529.3	1287.9	1273.7	1269.0	1350.2	1528.5
47.5°	1907.4	1912.6	2003.7	2041.9	1968.6	1730.4	1491.4	1471.7	1452.4	1542.7	1692.9
50°	1910.2	1918.5	2031.3	2124.3	2120.0	1928.3	1719.7	1702.4	1680.3	1776.9	1853.4
52.5°	1871.6	1888.1	2027.7	2176.4	2213.8	2103.0	1956.7	1942.5	1924.4	1996.6	1988.7
55°	1604.6	1632.6	1958.3	2181.1	2279.7	2252.9	2194.9	2175.2	2157.5	2208.7	2121.2
57.5°	1477.6	1493.4	1747.7	2177.6	2363.7	2391.7	2401.6	2392.5	2367.6	2431.5	2259.6
60°	1401.5	1424.4	1647.2	2138.1	2454.4	2548.6	2610.6	2592.4	2562.0	2650.0	2407.9
62.5°	1310.4	1327.0	1547.0	2024.6	2508.4	2708.3	2806.5	2790.0	2727.3	2851.5	2527.7
65°	1142.4	1167.3	1387.7	1845.9	2435.9	2825.5	2991.1	2985.6	2876.7	3003.7	2560.5
67.5°	929.9	952.3	1157.8	1601.0	2223.7	2781.7	3095.6	3078.2	2944.6	3015.1	2456.8
70°	698.0	710.2	865.2	1223.3	1821.9	2547.9	3019.9	3016.3	2841.6	2845.6	2138.5
72.5°	374.6	408.5	575.3	818.7	1281.2	2063.6	2691.4	2677.2	2535.2	2330.6	1537.9
75°	130.9	140.8	306.4	459.8	696.0	1374.7	2069.5	2036.4	1896.0	1515.9	838.0
77.5°	80.4	88.3	136.0	235.0	270.9	596.6	1243.4	1200.4	1109.7	655.4	286.3
80°	55.6	62.7	91.1	123.0	92.3	193.2	572.2	556.0	427.9	156.2	65.9
82.5°	31.2	37.5	69.0	60.3	37.1	50.1	198.4	183.8	114.0	42.2	22.1
85°	18.1	21.7	48.5	42.6	18.9	17.7	51.7	46.1	29.6	15.8	10.6
87.5°	9.5	12.2	35.5	28.4	11.4	6.3	11.8	11.4	7.5	5.5	7.1
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°	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5
2.5°	739.0	737.0	747.3	750.8	750.0	748.5	752.4	747.3	746.9	745.7	744.5
5°	752.4	755.6	763.8	763.8	752.8	734.7	723.6	708.6	696.0	688.5	687.3
7.5°	772.5	778.8	784.3	767.4	729.5	684.6	636.9	599.4	566.7	549.7	548.1
10°	800.9	806.8	802.5	754.0	672.7	579.7	502.0	423.9	384.9	363.6	363.6
12.5°	834.8	839.6	813.1	720.5	579.3	444.4	340.7	258.7	219.6	194.4	192.8
15°	871.5	872.7	811.6	662.1	463.7	298.5	195.6	143.5	127.0	123.4	122.6
17.5°	903.4	898.7	795.0	575.7	334.0	177.8	124.2	112.4	109.2	109.2	109.2
20°	933.4	917.6	761.9	475.2	214.1	121.1	106.9	103.7	103.7	104.1	104.1
22.5°	966.5	935.4	714.6	363.6	137.6	103.7	100.2	98.6	98.2	99.4	99.0
25°	1005.6	952.7	646.7	251.2	106.5	96.6	95.0	93.5	93.5	93.5	93.5
27.5°	1027.3	950.4	569.4	158.5	93.1	89.5	87.9	86.4	85.2	84.8	85.2
30°	1046.2	936.6	468.5	110.8	84.0	80.1	78.9	76.9	74.5	73.7	73.7
32.5°	1071.0	925.1	362.8	89.1	76.1	71.8	68.2	65.1	61.1	59.5	59.2
35°	1098.6	904.2	265.8	78.5	69.0	63.5	58.0	52.8	47.7	46.1	45.7
37.5°	1132.9	885.3	180.2	72.6	63.1	56.4	48.9	41.8	37.1	36.3	36.3
40°	1179.5	869.5	124.6	67.4	57.6	49.7	40.6	33.1	30.0	29.2	29.2
42.5°	1243.0	856.5	94.2	63.1	52.8	43.0	32.7	27.2	24.8	24.1	24.1
45°	1317.9	836.4	79.7	59.2	48.1	36.3	27.2	22.9	21.7	21.7	21.7
47.5°	1403.9	811.2	72.6	55.2	43.0	29.6	22.9	20.9	20.5	20.5	20.9
50°	1490.6	781.2	67.4	50.5	37.1	25.2	20.9	19.7	19.7	20.1	20.1
52.5°	1549.4	734.3	62.3	45.3	31.2	22.1	19.7	19.3	18.9	18.9	18.9
55°	1606.6	693.3	55.2	39.8	26.0	20.5	18.9	18.5	18.5	18.1	18.1
57.5°	1666.1	660.9	46.1	33.1	22.1	19.3	18.1	18.1	17.4	17.0	17.0
60°	1735.1	632.5	35.5	26.0	19.3	18.1	17.0	16.6	15.8	15.0	15.0
62.5°	1755.2	572.6	26.8	20.9	16.6	15.8	15.4	14.6	12.6	11.0	11.4
65°	1702.8	478.3	21.3	16.6	13.4	13.4	12.2	10.3	8.3	7.1	7.1
67.5°	1558.1	357.3	17.4	13.0	10.6	10.3	8.7	7.5	5.1	4.3	4.3
70°	1284.0	236.2	14.2	10.3	8.7	7.1	5.9	5.5	3.9	3.2	3.2
72.5°	899.9	128.2	11.8	8.3	6.3	4.7	3.9	3.5	2.8	2.4	2.0
75°	475.2	49.3	9.5	6.3	3.9	3.2	2.4	2.4	2.0	1.6	1.6
77.5°	162.9	20.9	6.7	3.5	2.8	2.0	1.6	1.2	1.6	1.2	1.2
80°	38.6	12.2	4.3	2.4	1.6	1.2	1.2	0.8	0.8	0.8	0.8
82.5°	17.0	7.1	2.8	1.6	1.6	1.2	0.8	0.4	0.4	0.4	0.4
85°	11.4	4.3	2.0	1.6	1.2	0.8	0.4	0.4	0.0	0.0	0.0
87.5°	9.1	2.8	1.6	1.6	1.2	0.8	0.4	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)