

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: P672315

Luminaire Tested: **CCP-SA-2A-835-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672315
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-835-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T3R distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

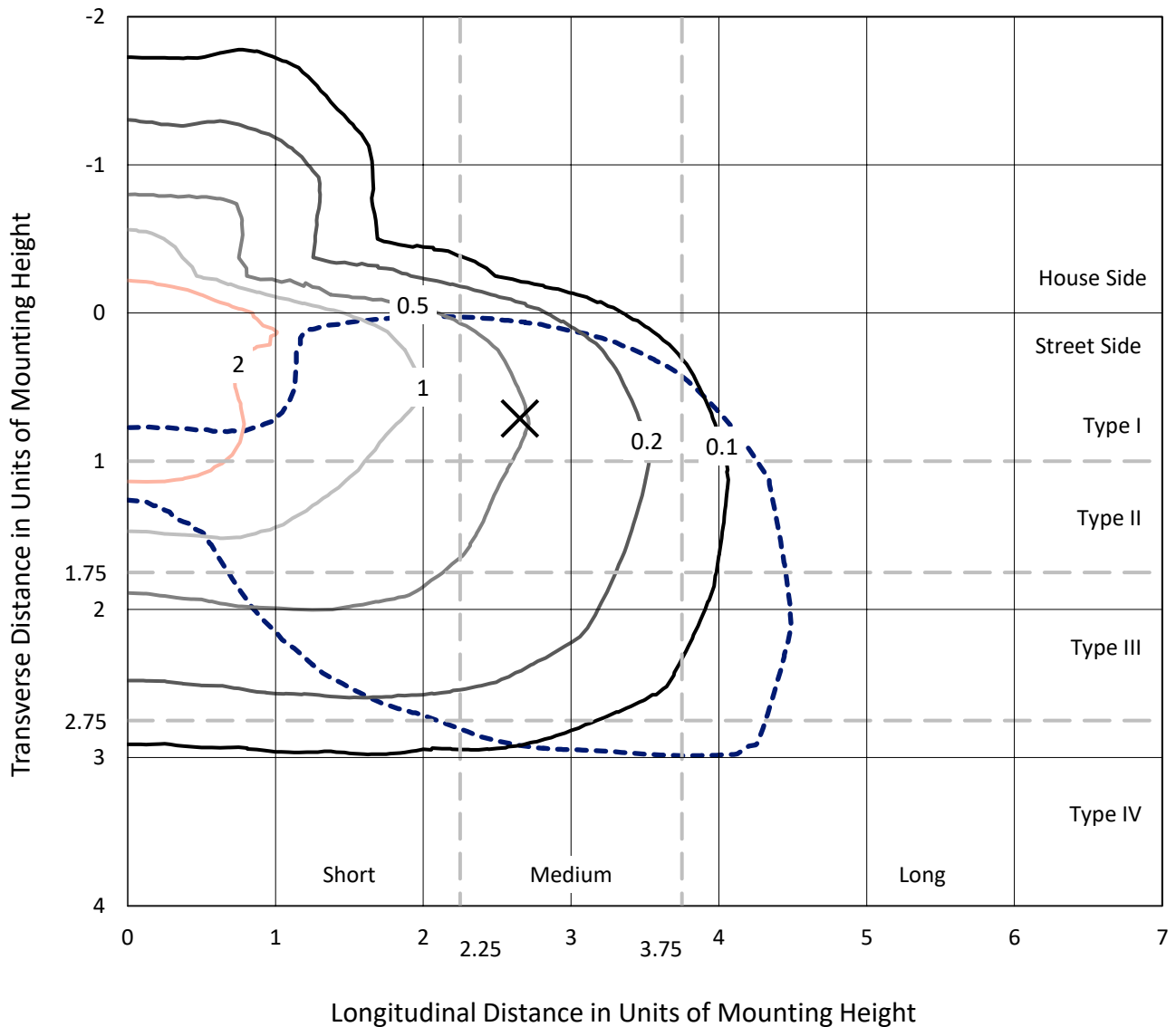
Lumens per Lamp: N/A
Luminaire Lumens: 4582.5 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

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

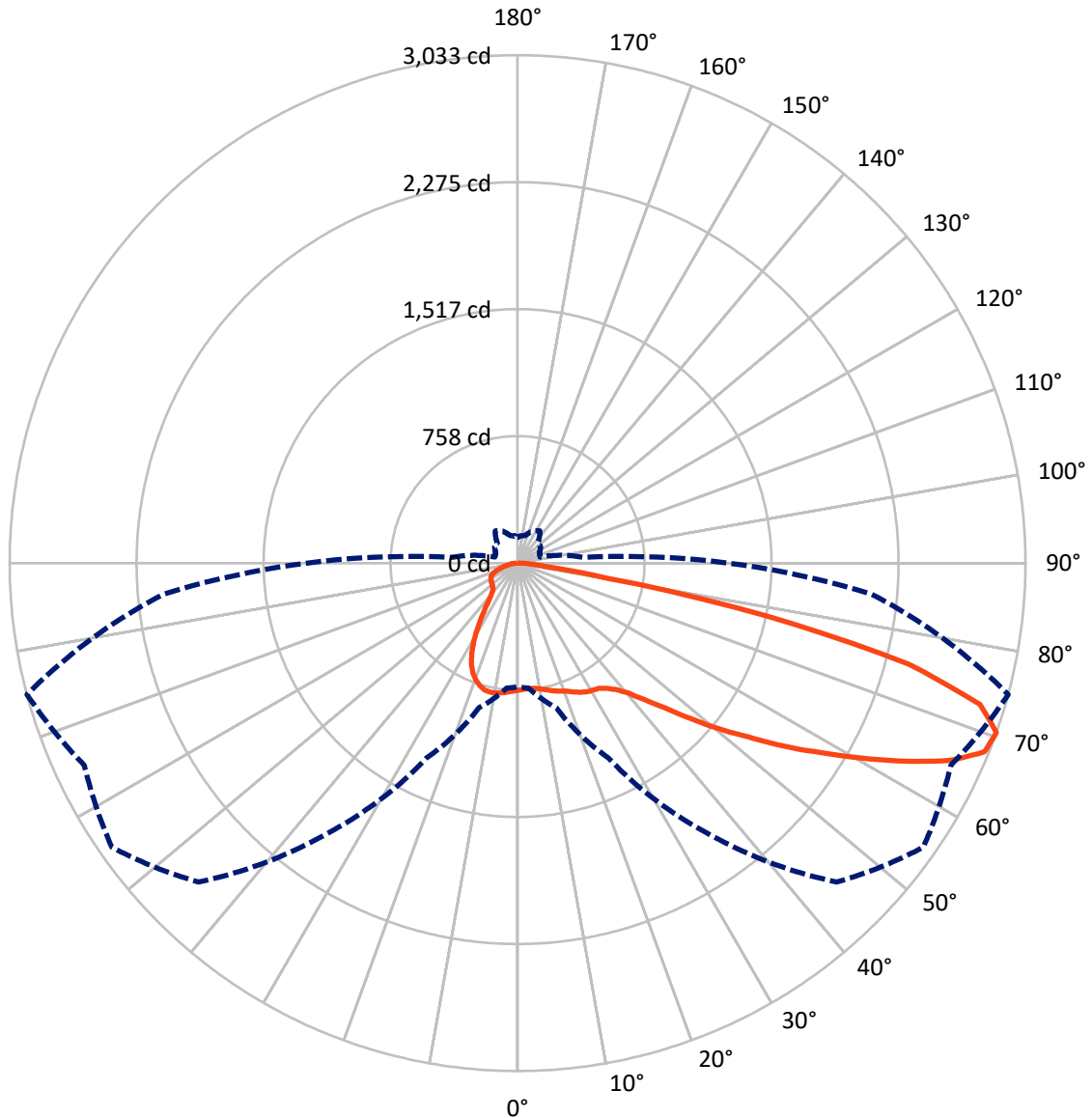
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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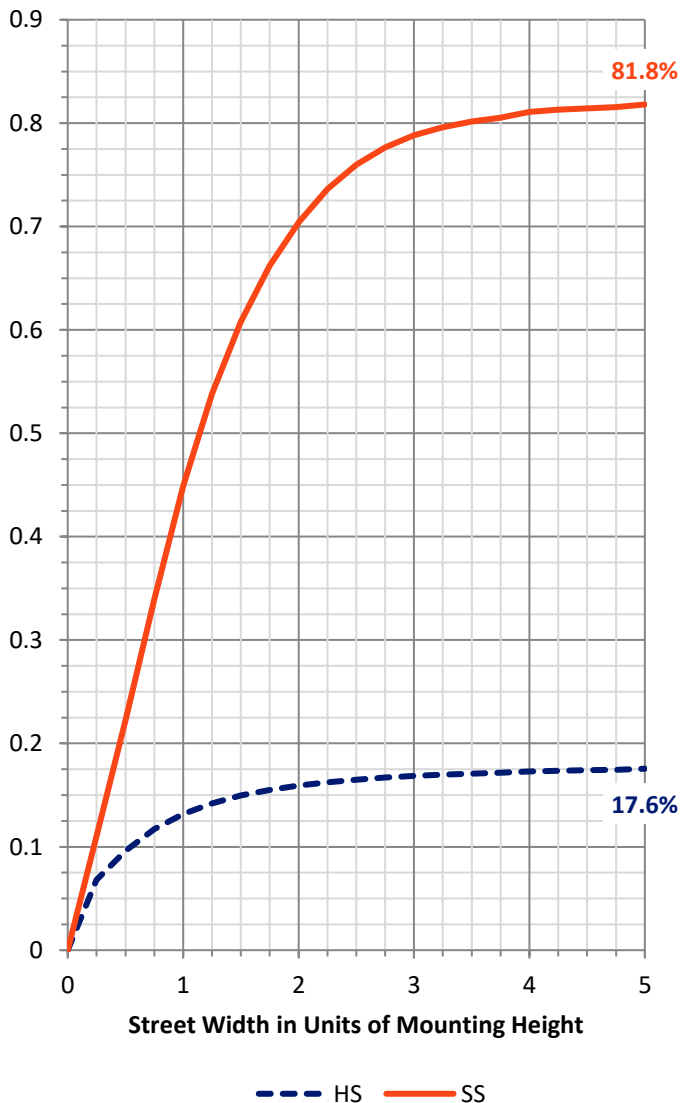
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	815.3	0.0	815.3
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	3767.2	0.0	3767.2
	% Fixture	82.2	0.0	82.2
Total	Lumens	4582.5	0.0	4582.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.2	1.5
10°-20°	182.0	4.0
20°-30°	306.6	6.7
30°-40°	465.7	10.2
40°-50°	667.1	14.6
50°-60°	884.5	19.3
60°-70°	1106.9	24.2
70°-80°	808.3	17.6
80°-90°	93.2	2.0
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°	4582.5	100.0
0°-180°	4582.5	100.0

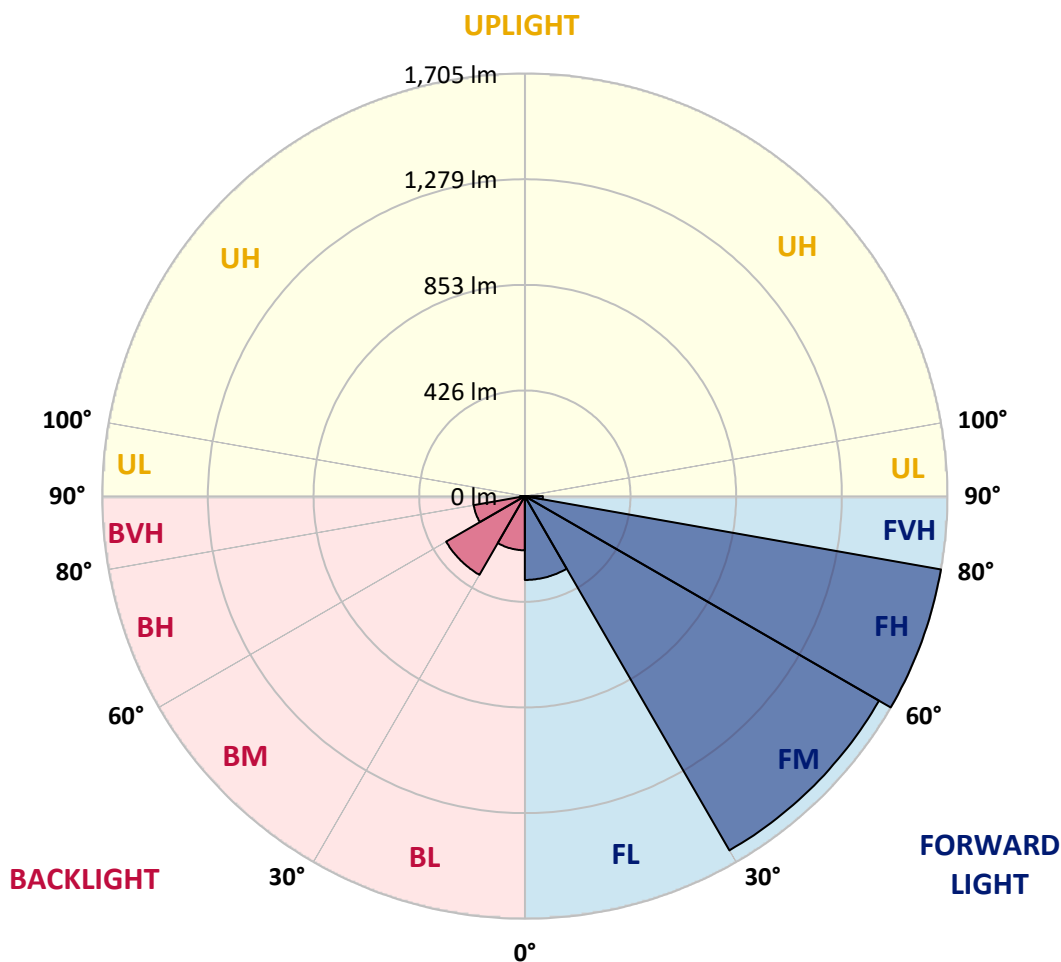


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	338.2	7.4			
FM (30°-60°)	1650.8	36.0			
FH (60°-80°)	1705.5	37.2			G1/1800
FVH (80°-90°)	72.7	1.6			G1/100
BL (0°-30°)	218.5	4.8	B1/500		
BM (30°-60°)	366.5	8.0	B1/1000		
BH (60°-80°)	209.7	4.6	B1/500		G1/500
BVH (80°-90°)	20.5	0.4			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	759.1	759.1	759.1	759.1	759.1	759.1	759.1	759.1	759.1	759.1	759.1
2.5°	717.5	721.5	725.1	728.7	731.7	739.6	741.3	749.8	752.1	754.1	756.8
5°	677.3	680.3	683.9	689.8	696.1	710.3	720.2	738.9	749.5	752.8	762.0
7.5°	655.5	656.5	661.5	666.4	673.7	687.5	701.0	730.4	751.5	755.1	774.9
10°	639.7	641.0	645.6	652.6	659.8	672.7	689.5	724.4	758.7	764.3	792.4
12.5°	634.1	633.4	638.7	643.3	653.5	669.7	687.2	724.8	768.6	776.5	817.8
15°	656.5	652.2	655.5	653.9	657.2	673.0	693.8	732.0	780.8	790.7	844.1
17.5°	706.0	702.3	700.0	685.9	676.6	685.5	705.3	742.2	793.7	804.2	867.9
20°	779.8	769.6	761.0	737.3	711.6	708.6	722.5	752.5	805.9	816.1	892.9
22.5°	863.9	855.7	841.8	800.3	760.4	740.6	744.2	771.3	823.7	834.9	921.6
25°	970.1	969.8	941.4	885.4	825.0	785.1	777.5	801.3	843.8	854.7	945.4
27.5°	1091.1	1082.9	1049.2	977.0	901.2	840.2	822.4	831.9	860.0	871.2	964.5
30°	1194.6	1195.6	1161.3	1082.5	982.3	893.9	860.3	854.0	870.5	881.7	982.3
32.5°	1305.4	1299.8	1268.5	1187.4	1070.0	951.6	884.7	869.9	881.4	891.9	1007.0
35°	1409.6	1403.4	1376.3	1289.0	1166.6	1015.3	917.7	894.6	907.1	918.7	1037.4
37.5°	1508.9	1509.9	1479.2	1395.8	1260.3	1090.4	966.5	931.8	945.4	958.2	1083.5
40°	1595.6	1590.7	1566.9	1491.7	1357.5	1166.9	1021.5	982.6	1009.0	1020.9	1141.9
42.5°	1623.3	1623.0	1632.2	1586.0	1459.8	1258.0	1090.1	1061.8	1099.0	1116.8	1213.4
45°	1599.2	1606.5	1659.9	1658.6	1562.0	1362.5	1183.8	1158.0	1211.8	1231.9	1300.8
47.5°	1575.5	1586.4	1658.9	1700.1	1653.6	1477.6	1298.8	1279.7	1356.9	1385.9	1391.5
50°	1540.9	1551.1	1637.5	1706.1	1709.7	1594.0	1447.9	1423.8	1523.1	1552.7	1490.1
52.5°	1502.3	1510.2	1599.6	1701.8	1736.4	1685.0	1594.0	1587.0	1701.1	1725.2	1590.3
55°	1289.3	1322.9	1543.8	1692.6	1754.9	1754.5	1736.1	1758.8	1895.3	1931.3	1702.1
57.5°	1166.9	1184.8	1386.9	1687.3	1789.5	1818.8	1882.8	1931.6	2102.8	2135.1	1825.4
60°	1127.1	1142.9	1308.1	1681.0	1858.4	1919.4	2026.3	2105.4	2325.7	2365.2	1963.3
62.5°	1090.8	1109.9	1276.1	1631.2	1941.8	2078.7	2197.4	2293.3	2560.8	2607.6	2100.4
65°	1016.9	1030.4	1217.4	1589.3	2021.0	2305.9	2444.4	2500.4	2788.6	2841.4	2191.5
67.5°	889.3	902.2	1085.2	1493.1	2072.4	2542.3	2714.4	2714.7	2964.7	3007.9	2210.6
70°	739.3	749.2	894.6	1283.3	1965.2	2694.0	2958.1	2854.9	3014.5	3033.3	2119.6
72.5°	528.6	537.1	655.2	948.7	1611.4	2571.0	3013.5	2849.0	2893.8	2887.9	1860.7
75°	325.8	342.3	401.3	579.0	1001.4	2023.0	2712.1	2581.5	2429.9	2413.4	1401.1
77.5°	212.4	220.9	271.4	341.6	441.9	1161.3	2059.9	1935.6	1534.3	1515.2	753.1
80°	127.6	141.8	177.7	214.7	200.2	444.2	1176.2	961.5	542.1	536.2	231.5
82.5°	68.6	81.4	125.3	132.9	112.4	157.0	426.0	312.6	173.4	171.5	86.7
85°	54.4	60.7	90.0	84.1	63.6	79.5	166.2	130.2	89.0	87.1	32.6
87.5°	33.0	41.5	68.3	56.7	31.7	28.7	76.2	61.7	41.9	38.9	12.9
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°	759.1	759.1	759.1	759.1	759.1	759.1	759.1	759.1	759.1	759.1	759.1
2.5°	761.7	763.3	765.0	761.7	763.0	761.4	761.4	761.4	757.1	755.8	759.7
5°	769.0	771.3	772.6	762.4	756.1	746.9	739.3	727.7	721.1	716.9	716.9
7.5°	783.8	786.4	780.5	757.7	735.6	710.9	685.5	664.4	649.3	642.7	644.6
10°	805.6	806.5	786.8	744.9	697.7	651.9	616.0	587.9	569.1	559.6	558.2
12.5°	830.9	826.7	788.1	716.5	646.6	585.0	541.1	504.8	480.8	471.5	466.9
15°	856.0	845.8	783.1	682.6	588.6	514.4	458.3	424.0	409.2	404.9	403.3
17.5°	878.4	859.3	766.6	633.8	521.3	432.0	390.7	378.5	380.2	384.1	385.8
20°	898.9	869.5	742.9	575.7	437.2	367.7	357.4	368.6	377.9	383.8	384.8
22.5°	921.3	879.4	709.9	505.2	368.3	338.0	350.2	363.0	372.3	378.2	379.2
25°	938.4	879.1	663.4	421.4	324.8	330.1	344.6	356.1	363.0	367.3	367.0
27.5°	949.3	871.2	602.4	352.5	307.6	324.5	338.3	345.9	349.9	353.2	352.8
30°	952.6	856.0	525.6	301.7	299.7	319.2	329.7	334.4	337.3	340.6	340.6
32.5°	959.2	832.6	440.9	273.4	293.8	313.9	320.2	323.8	321.5	313.3	311.6
35°	966.5	806.5	360.7	260.2	288.2	310.3	316.2	306.7	281.6	278.3	277.0
37.5°	980.6	782.5	292.8	250.9	286.9	312.3	317.2	279.0	257.9	247.6	246.0
40°	1004.7	758.4	247.3	244.3	288.5	320.8	304.0	265.8	230.8	211.4	208.1
42.5°	1036.4	729.1	221.6	241.0	293.1	334.7	299.4	247.0	208.7	195.5	193.6
45°	1073.0	690.1	209.4	240.4	298.7	341.6	300.7	231.8	198.8	188.6	188.0
47.5°	1110.9	651.9	204.1	239.7	305.7	338.6	282.6	227.2	194.9	191.9	193.9
50°	1151.8	608.4	199.8	238.1	311.3	338.6	272.7	226.2	196.2	202.8	209.4
52.5°	1190.0	571.8	194.9	233.1	313.6	332.7	269.7	229.8	198.2	196.5	198.5
55°	1236.5	553.0	192.2	226.2	309.3	314.6	266.1	239.7	199.8	186.3	186.3
57.5°	1289.6	549.0	188.3	217.0	295.4	289.5	265.8	245.7	195.5	183.0	180.7
60°	1353.6	557.6	183.3	205.4	278.6	270.1	263.5	245.7	188.6	177.4	178.4
62.5°	1405.4	556.6	180.4	195.2	256.2	249.9	259.2	242.4	186.0	176.7	176.4
65°	1417.6	535.5	171.8	182.0	228.5	225.5	254.6	234.1	182.3	173.1	170.5
67.5°	1376.3	487.7	158.9	164.5	199.2	199.5	246.3	223.2	177.4	171.1	166.8
70°	1259.3	394.4	139.8	143.4	167.5	171.8	234.1	210.4	169.2	162.6	152.3
72.5°	1053.8	283.6	117.7	118.7	133.2	144.4	213.0	192.9	157.0	141.5	130.6
75°	780.2	188.3	96.0	94.6	99.9	117.4	182.0	173.4	141.1	117.4	111.8
77.5°	412.5	111.5	73.9	74.2	70.9	90.0	144.4	150.7	125.3	98.9	93.3
80°	141.1	66.9	53.1	55.4	50.1	64.3	107.2	125.3	107.2	82.4	72.9
82.5°	64.6	40.9	37.9	39.6	35.9	43.5	73.5	95.0	85.4	60.0	48.5
85°	32.6	24.4	24.4	26.7	23.7	22.4	40.6	63.0	62.7	41.2	35.6
87.5°	13.5	11.9	11.2	12.9	11.2	8.6	11.5	22.8	33.0	24.7	15.8
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)