

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: P672333

Luminaire Tested: **CCP-SA-1C-850-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672333  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-850-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T3R distribution lens  
Light Source: (16) 5000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

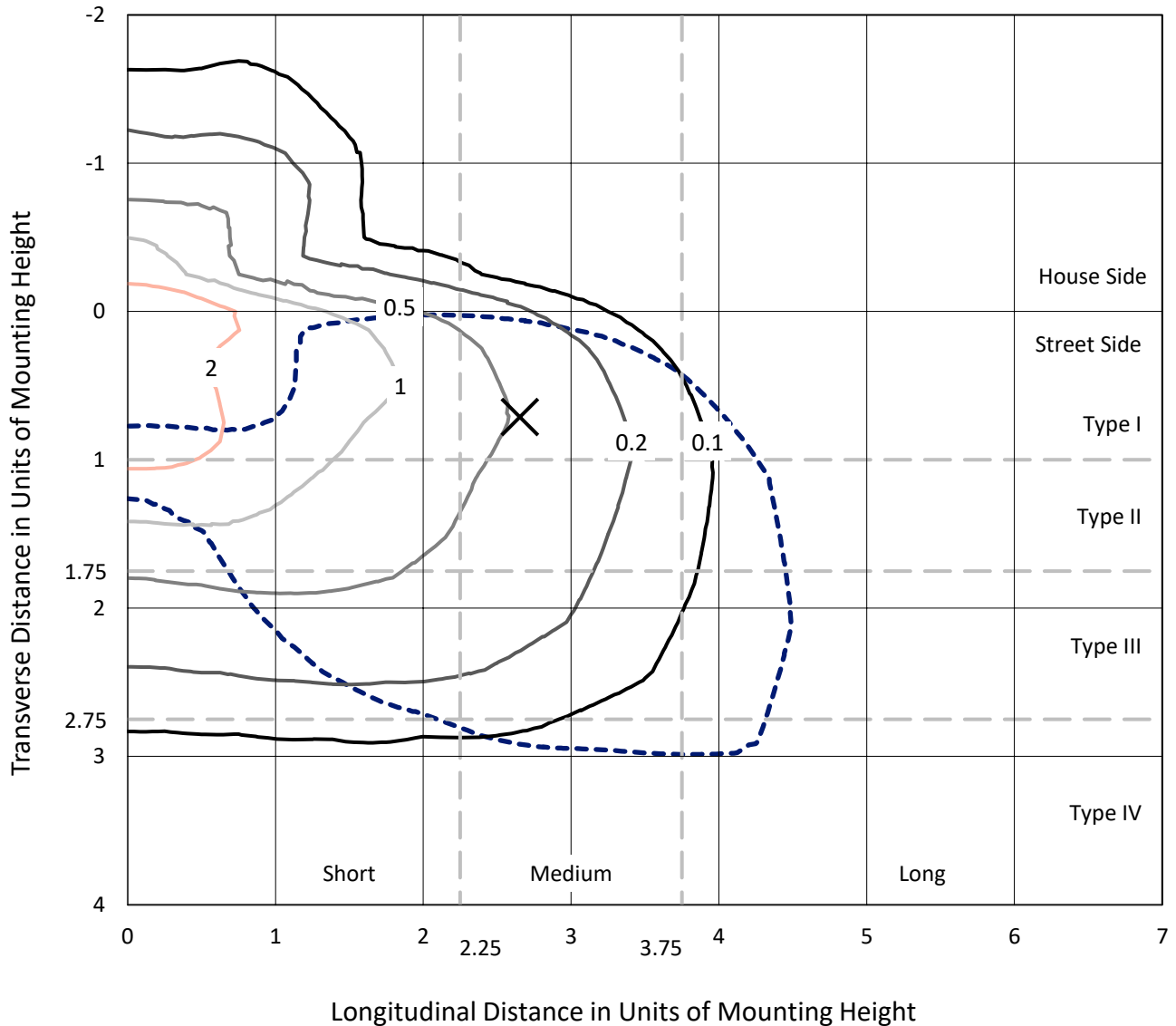
Lumens per Lamp: N/A  
Luminaire Lumens: 4009.9 lumens  
Efficiency: N/A  
Efficacy: 125.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1

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

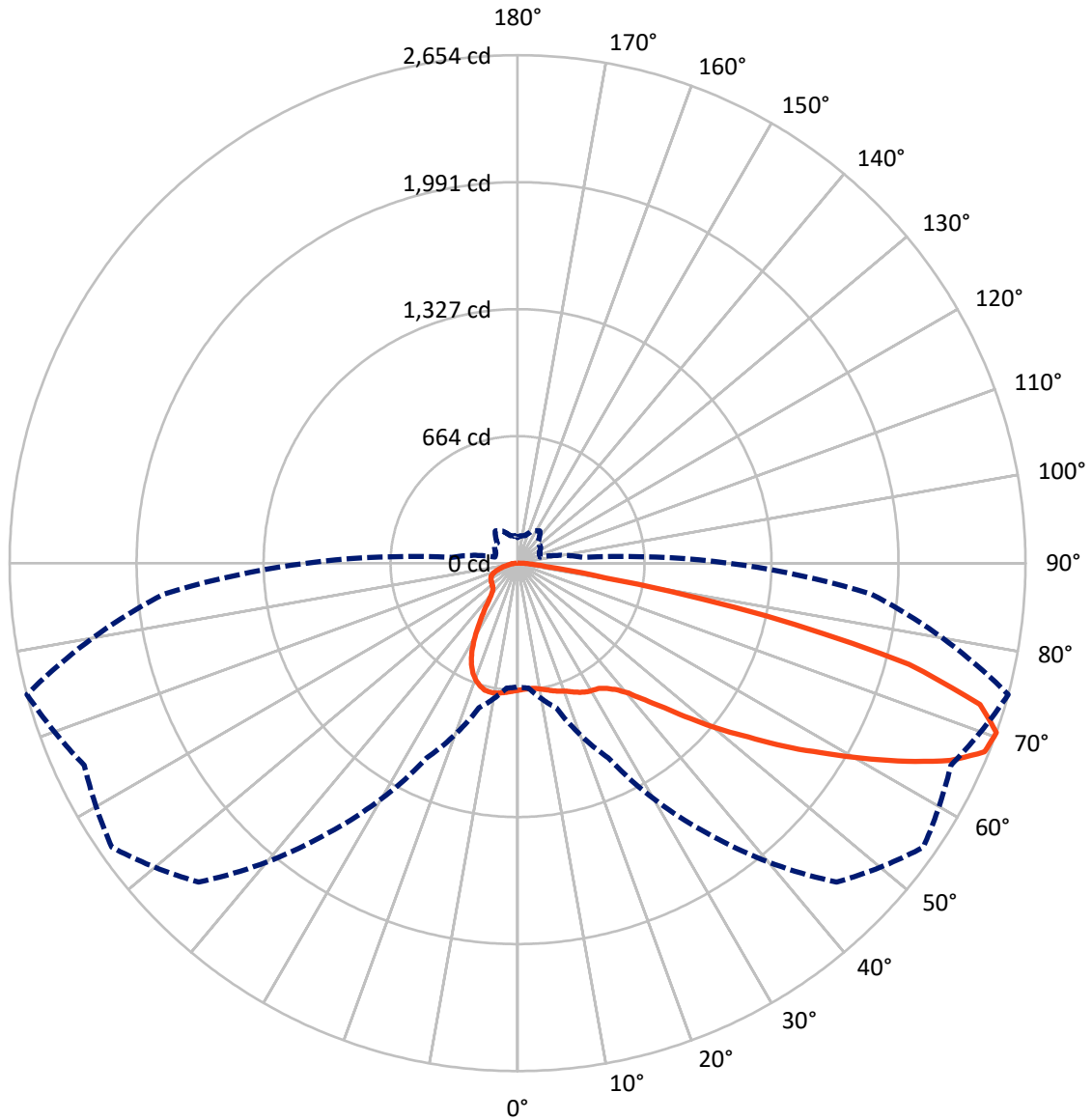
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 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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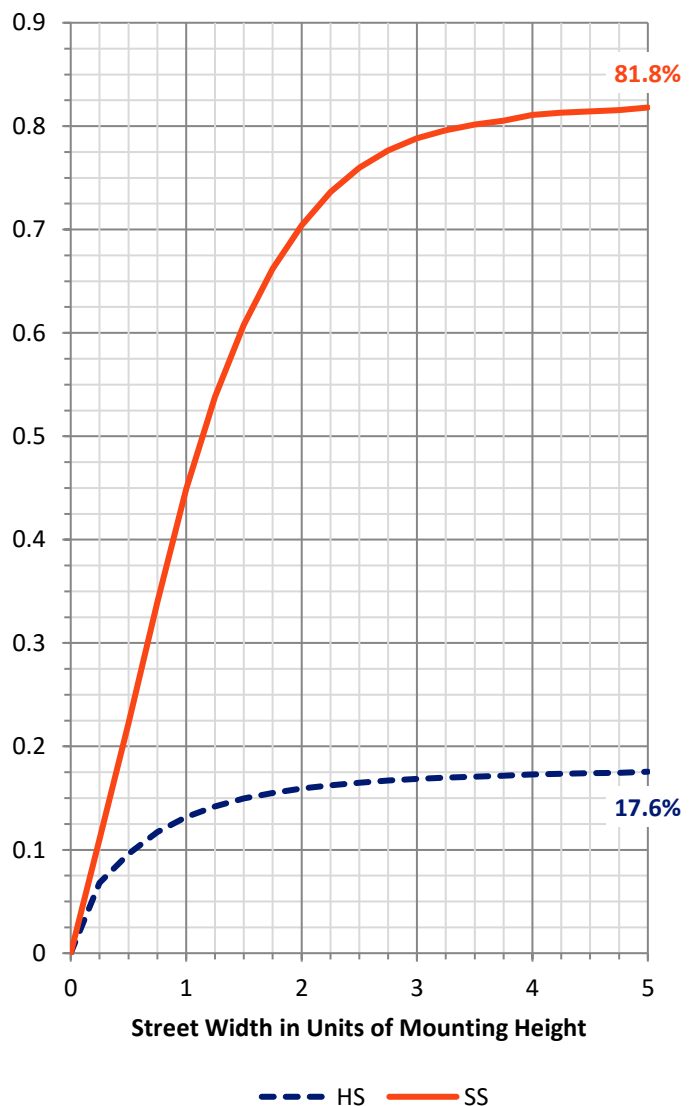
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	713.4	0.0	713.4
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	3296.5	0.0	3296.5
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	4009.9	0.0	4009.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.7	1.5
10°-20°	159.2	4.0
20°-30°	268.3	6.7
30°-40°	407.5	10.2
40°-50°	583.8	14.6
50°-60°	774.0	19.3
60°-70°	968.6	24.2
70°-80°	707.3	17.6
80°-90°	81.6	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°	4009.9	100.0
0°-180°	4009.9	100.0



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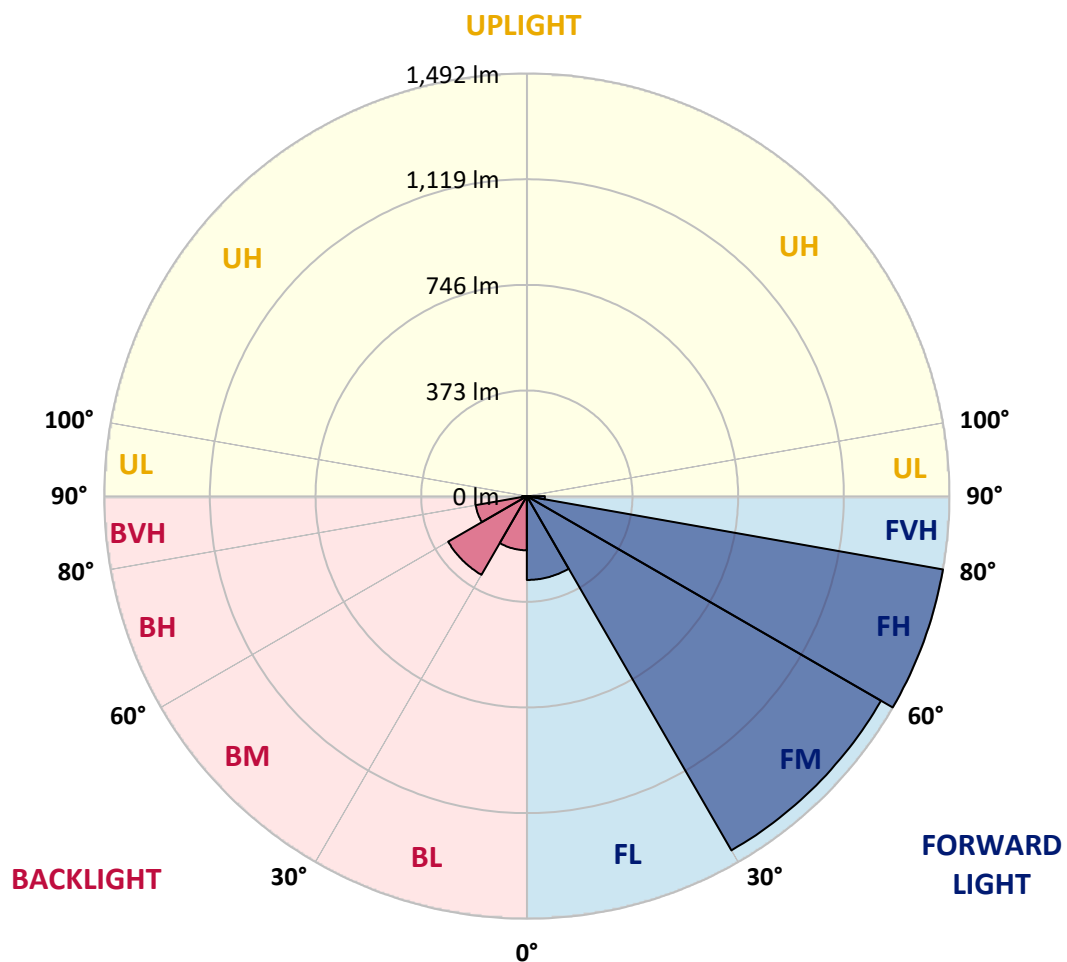
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	296.0	7.4			
FM (30°-60°)	1444.5	36.0			
FH (60°-80°)	1492.4	37.2			G1/1800
FVH (80°-90°)	63.6	1.6			G1/100
BL (0°-30°)	191.2	4.8	B1/500		
BM (30°-60°)	320.7	8.0	B1/1000		
BH (60°-80°)	183.5	4.6	B1/500		G1/500
BVH (80°-90°)	17.9	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°	664.2	664.2	664.2	664.2	664.2	664.2	664.2	664.2	664.2	664.2	664.2
2.5°	627.9	631.3	634.5	637.7	640.3	647.2	648.6	656.1	658.2	659.9	662.2
5°	592.7	595.3	598.4	603.6	609.1	621.5	630.2	646.6	655.8	658.7	666.8
7.5°	573.6	574.5	578.8	583.1	589.5	601.6	613.4	639.1	657.6	660.8	678.1
10°	559.8	560.9	565.0	571.0	577.4	588.6	603.3	633.9	663.9	668.8	693.4
12.5°	554.9	554.3	558.9	562.9	571.9	586.0	601.3	634.2	672.6	679.5	715.6
15°	574.5	570.7	573.6	572.2	575.1	588.9	607.1	640.6	683.3	691.9	738.7
17.5°	617.8	614.6	612.6	600.2	592.1	599.9	617.2	649.5	694.5	703.7	759.4
20°	682.4	673.4	665.9	645.2	622.7	620.1	632.2	658.4	705.2	714.1	781.4
22.5°	756.0	748.8	736.6	700.3	665.4	648.1	651.2	674.9	720.8	730.6	806.5
25°	848.9	848.6	823.8	774.7	721.9	687.0	680.4	701.1	738.4	747.9	827.2
27.5°	954.8	947.6	918.1	854.9	788.6	735.2	719.6	728.0	752.5	762.3	844.0
30°	1045.4	1046.2	1016.2	947.3	859.6	782.2	752.8	747.3	761.7	771.5	859.6
32.5°	1142.3	1137.4	1110.0	1039.0	936.3	832.7	774.1	761.2	771.3	780.5	881.2
35°	1233.5	1228.0	1204.4	1127.9	1020.8	888.4	803.0	782.8	793.8	803.9	907.7
37.5°	1320.3	1321.2	1294.4	1221.4	1102.8	954.2	845.7	815.4	827.2	838.5	948.1
40°	1396.2	1391.9	1371.1	1305.3	1187.9	1021.1	893.9	859.8	882.9	893.3	999.2
42.5°	1420.5	1420.2	1428.3	1387.9	1277.4	1100.8	953.9	929.1	961.7	977.3	1061.8
45°	1399.4	1405.8	1452.5	1451.3	1366.8	1192.2	1035.8	1013.3	1060.4	1078.0	1138.3
47.5°	1378.6	1388.2	1451.6	1487.7	1447.0	1292.9	1136.5	1119.8	1187.3	1212.7	1217.6
50°	1348.3	1357.3	1432.9	1492.9	1496.1	1394.8	1267.0	1245.9	1332.8	1358.7	1303.9
52.5°	1314.6	1321.5	1399.7	1489.1	1519.4	1474.4	1394.8	1388.7	1488.6	1509.6	1391.6
55°	1128.2	1157.6	1350.9	1481.1	1535.6	1535.3	1519.1	1539.1	1658.5	1690.0	1489.4
57.5°	1021.1	1036.7	1213.6	1476.4	1565.9	1591.6	1647.5	1690.3	1840.0	1868.3	1597.3
60°	986.2	1000.1	1144.6	1471.0	1626.2	1679.6	1773.1	1842.3	2035.1	2069.7	1718.0
62.5°	954.5	971.2	1116.6	1427.4	1699.2	1818.9	1922.8	2006.8	2240.8	2281.8	1838.0
65°	889.8	901.7	1065.3	1390.8	1768.4	2017.7	2138.9	2188.0	2440.2	2486.3	1917.6
67.5°	778.2	789.4	949.6	1306.5	1813.5	2224.6	2375.2	2375.5	2594.2	2632.0	1934.4
70°	646.9	655.6	782.8	1123.0	1719.7	2357.4	2588.5	2498.2	2637.8	2654.3	1854.7
72.5°	462.5	470.0	573.3	830.1	1410.1	2249.7	2636.9	2493.0	2532.2	2527.0	1628.2
75°	285.1	299.5	351.2	506.7	876.3	1770.2	2373.2	2259.0	2126.2	2111.8	1226.0
77.5°	185.8	193.3	237.5	298.9	386.6	1016.2	1802.5	1693.7	1342.6	1325.8	659.0
80°	111.7	124.1	155.5	187.8	175.1	388.7	1029.2	841.4	474.4	469.2	202.6
82.5°	60.0	71.3	109.6	116.3	98.4	137.3	372.8	273.5	151.8	150.0	75.9
85°	47.6	53.1	78.8	73.6	55.7	69.5	145.4	114.0	77.9	76.2	28.6
87.5°	28.9	36.4	59.7	49.6	27.7	25.1	66.7	54.0	36.6	34.0	11.3
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°	664.2	664.2	664.2	664.2	664.2	664.2	664.2	664.2	664.2	664.2	664.2
2.5°	666.5	668.0	669.4	666.5	667.7	666.2	666.2	666.2	662.5	661.3	664.8
5°	672.9	674.9	676.0	667.1	661.6	653.5	646.9	636.8	631.0	627.3	627.3
7.5°	685.9	688.2	683.0	663.1	643.7	622.1	599.9	581.4	568.1	562.4	564.1
10°	704.9	705.8	688.5	651.8	610.5	570.4	539.0	514.5	498.0	489.6	488.5
12.5°	727.1	723.4	689.6	627.0	565.8	511.9	473.5	441.8	420.7	412.6	408.6
15°	749.0	740.1	685.3	597.3	515.0	450.1	401.1	371.1	358.1	354.3	352.9
17.5°	768.7	751.9	670.8	554.6	456.2	378.0	341.9	331.2	332.7	336.1	337.6
20°	786.6	760.9	650.1	503.8	382.6	321.7	312.8	322.6	330.7	335.9	336.7
22.5°	806.2	769.5	621.2	442.0	322.3	295.8	306.4	317.7	325.8	331.0	331.8
25°	821.2	769.2	580.5	368.8	284.2	288.8	301.5	311.6	317.7	321.4	321.1
27.5°	830.7	762.3	527.2	308.4	269.2	283.9	296.0	302.7	306.1	309.0	308.7
30°	833.6	749.0	459.9	264.0	262.3	279.3	288.5	292.6	295.2	298.1	298.1
32.5°	839.4	728.6	385.8	239.2	257.1	274.7	280.2	283.3	281.3	274.1	272.7
35°	845.7	705.8	315.7	227.7	252.2	271.5	276.7	268.3	246.4	243.5	242.4
37.5°	858.1	684.7	256.2	219.6	251.0	273.2	277.6	244.1	225.6	216.7	215.2
40°	879.2	663.6	216.4	213.8	252.5	280.7	266.0	232.6	202.0	185.0	182.1
42.5°	906.9	638.0	193.9	210.9	256.5	292.9	262.0	216.1	182.6	171.1	169.4
45°	938.9	603.9	183.2	210.3	261.4	298.9	263.1	202.8	174.0	165.0	164.5
47.5°	972.1	570.4	178.6	209.8	267.5	296.3	247.3	198.8	170.5	167.9	169.7
50°	1007.9	532.4	174.9	208.3	272.4	296.3	238.6	197.9	171.7	177.5	183.2
52.5°	1041.3	500.3	170.5	204.0	274.4	291.1	236.0	201.1	173.4	172.0	173.7
55°	1082.0	483.9	168.2	197.9	270.6	275.3	232.8	209.8	174.9	163.0	163.0
57.5°	1128.5	480.4	164.8	189.9	258.5	253.3	232.6	215.0	171.1	160.1	158.1
60°	1184.4	487.9	160.4	179.8	243.8	236.3	230.5	215.0	165.0	155.2	156.1
62.5°	1229.7	487.1	157.8	170.8	224.2	218.7	226.8	212.1	162.7	154.7	154.4
65°	1240.4	468.6	150.3	159.3	200.0	197.4	222.8	204.9	159.6	151.5	149.2
67.5°	1204.4	426.7	139.1	144.0	174.3	174.6	215.5	195.3	155.2	149.8	146.0
70°	1101.9	345.1	122.3	125.5	146.6	150.3	204.9	184.1	148.0	142.2	133.3
72.5°	922.2	248.1	103.0	103.9	116.6	126.4	186.4	168.8	137.3	123.8	114.3
75°	682.7	164.8	84.0	82.8	87.4	102.7	159.3	151.8	123.5	102.7	97.8
77.5°	361.0	97.5	64.6	64.9	62.0	78.8	126.4	131.9	109.6	86.6	81.7
80°	123.5	58.6	46.5	48.5	43.9	56.3	93.8	109.6	93.8	72.1	63.8
82.5°	56.6	35.8	33.2	34.6	31.5	38.1	64.3	83.1	74.7	52.5	42.4
85°	28.6	21.4	21.4	23.4	20.8	19.6	35.5	55.1	54.8	36.1	31.2
87.5°	11.8	10.4	9.8	11.3	9.8	7.5	10.1	19.9	28.9	21.6	13.8
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)