

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: P670939

Luminaire Tested: **CCP-SA-1D-730-U-T4FT**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P670939  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1D-730-U-T4FT  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T4FT distribution lens  
Light Source: (16) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

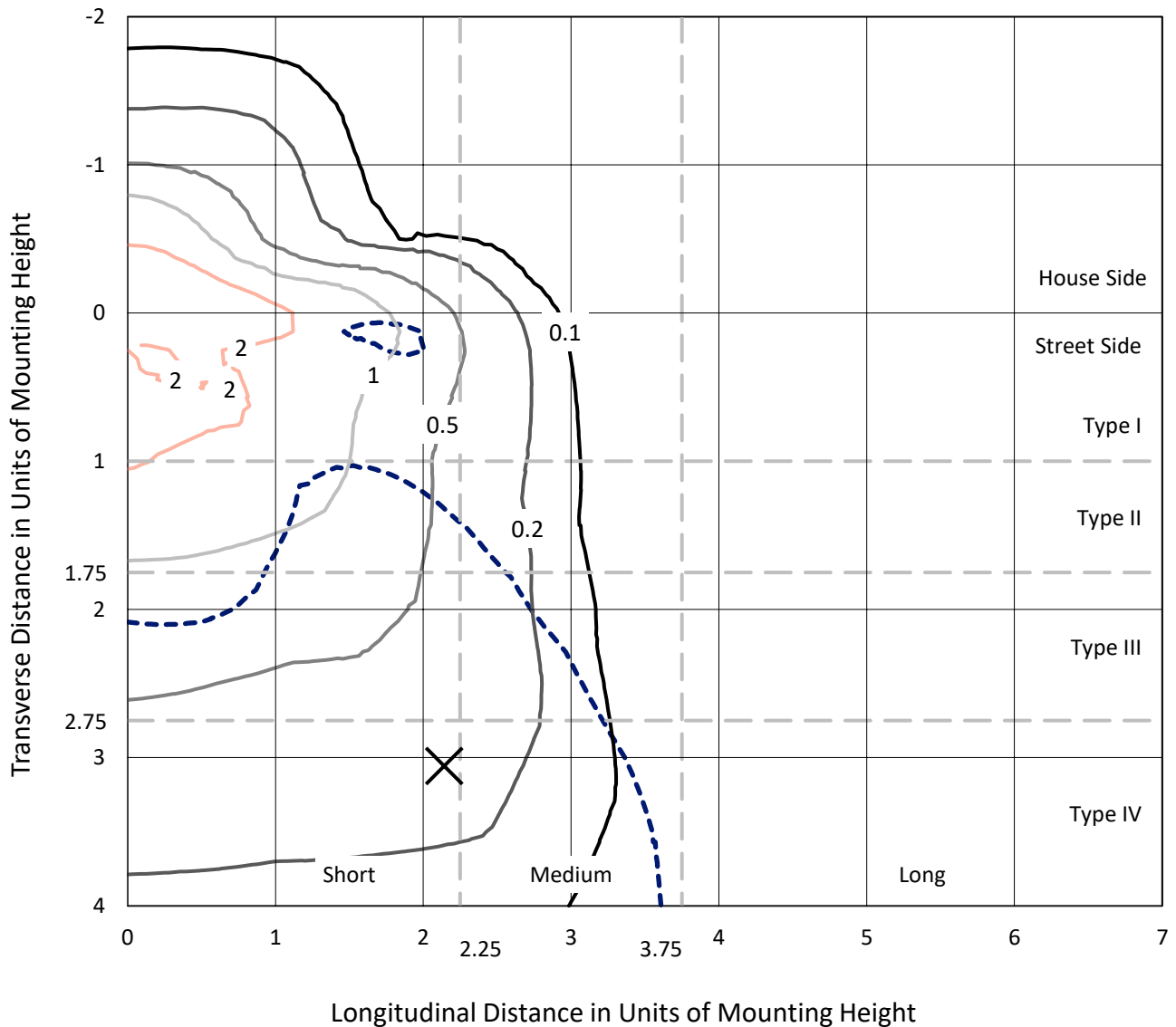
Lumens per Lamp: N/A  
Luminaire Lumens: 5075.2 lumens  
Efficiency: N/A  
Efficacy: 115.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 44  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

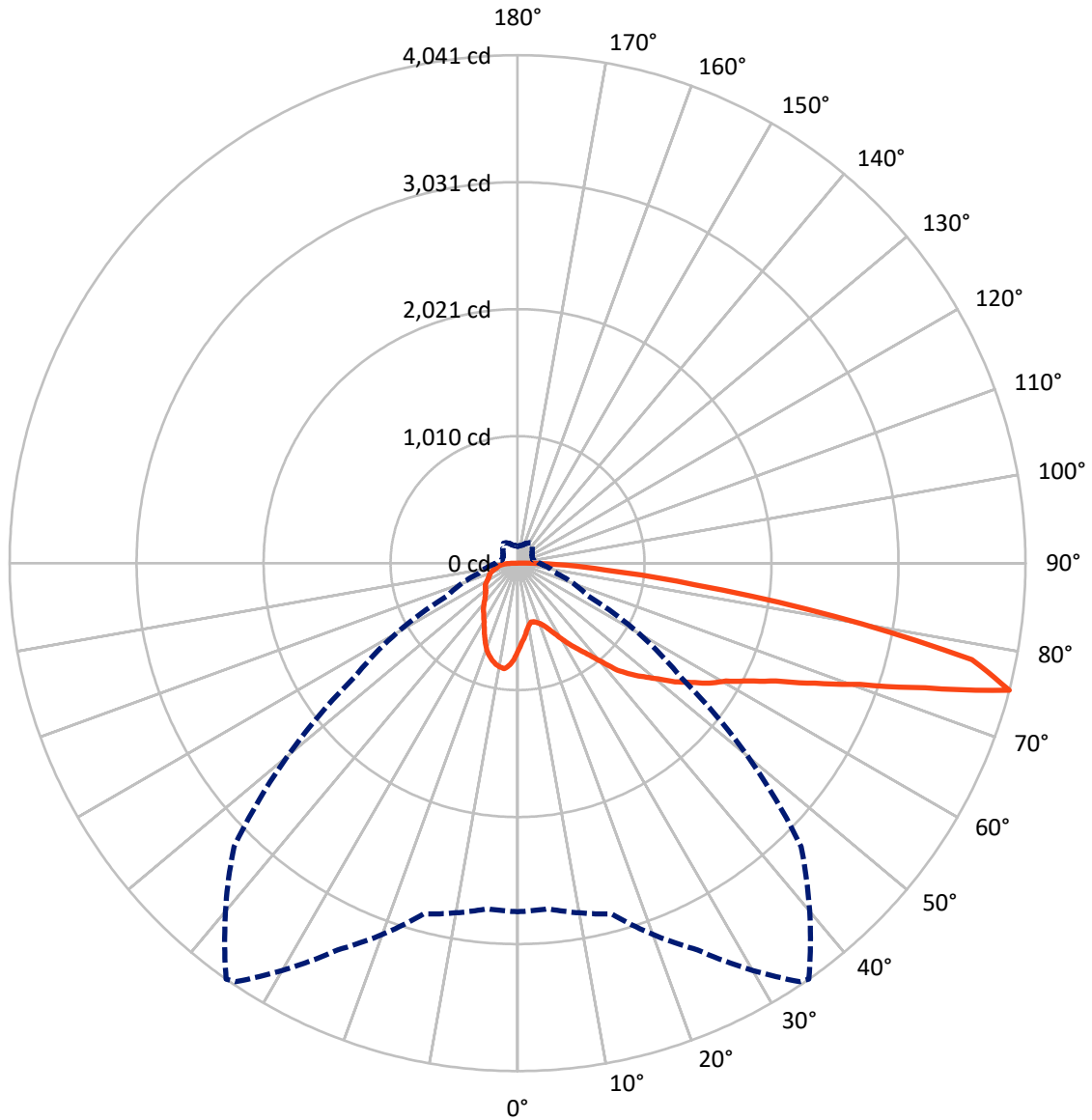
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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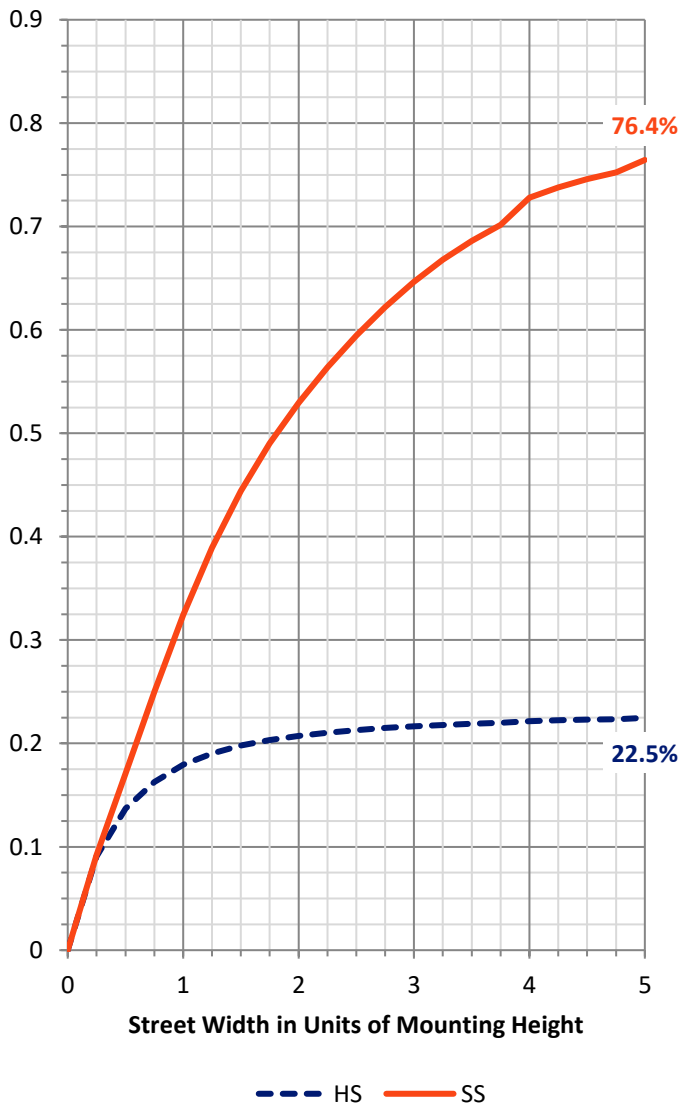
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1166.4	0.0	1166.4
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	3908.8	0.0	3908.8
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	5075.2	0.0	5075.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.2	1.3
10°-20°	192.3	3.8
20°-30°	319.1	6.3
30°-40°	473.0	9.3
40°-50°	682.0	13.4
50°-60°	937.8	18.5
60°-70°	1158.4	22.8
70°-80°	1059.8	20.9
80°-90°	186.6	3.7
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°	5075.2	100.0
0°-180°	5075.2	100.0



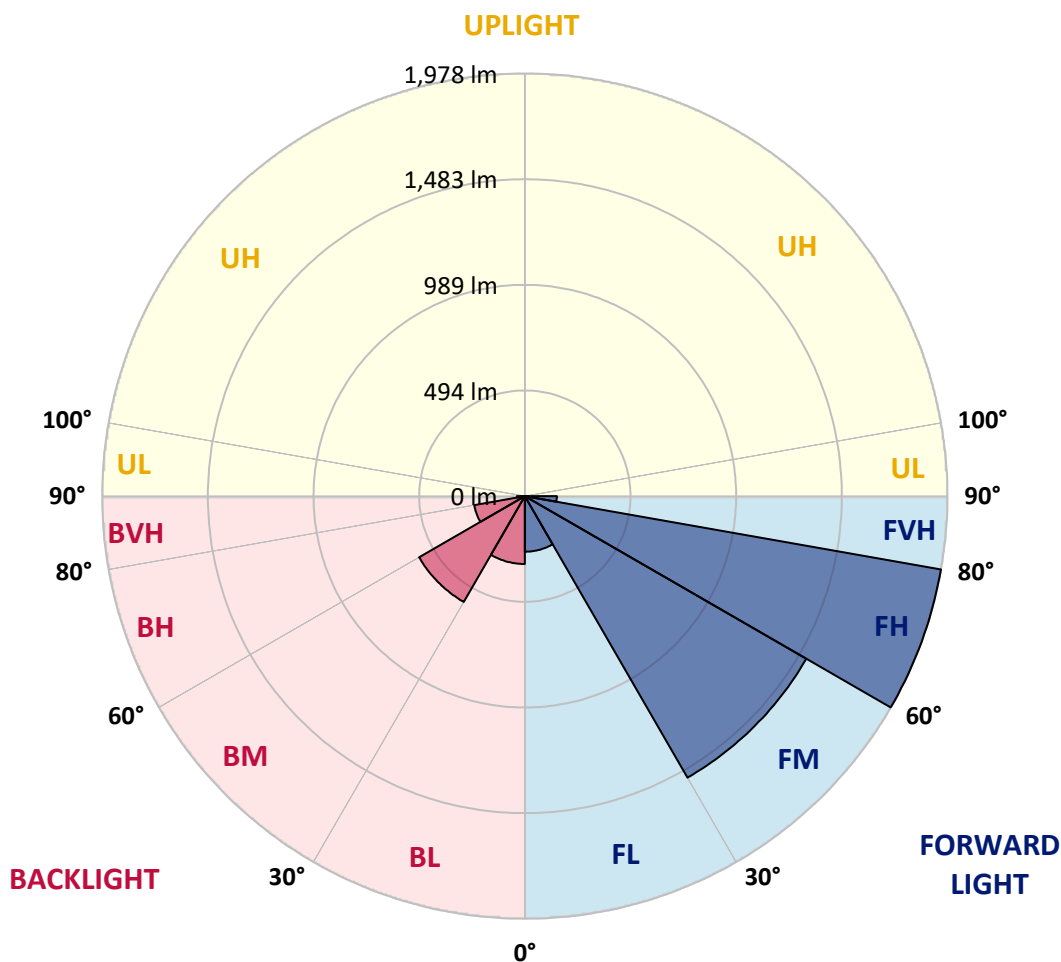
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	260.1	5.1			
FM (30°-60°)	1521.2	30.0			
FH (60°-80°)	1977.7	39.0			G2/5000
FVH (80°-90°)	149.7	3.0			G2/225
BL (0°-30°)	317.5	6.3	B1/500		
BM (30°-60°)	571.6	11.3	B1/1000		
BH (60°-80°)	240.5	4.7	B1/500		G1/500
BVH (80°-90°)	36.8	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	695.3	695.3	695.3	695.3	695.3	695.3	695.3	695.3	695.3	695.3	695.3
2.5°	629.9	624.3	629.9	633.6	633.6	633.6	639.3	656.1	667.3	674.8	687.9
5°	564.5	566.4	570.1	579.4	585.0	588.8	598.1	618.7	635.5	659.8	687.9
7.5°	506.5	510.3	515.9	525.2	538.3	536.5	557.0	585.0	616.8	648.6	689.7
10°	476.6	484.1	486.0	487.9	500.9	500.9	529.0	560.7	600.0	641.1	689.7
12.5°	482.2	482.2	476.6	474.8	482.2	480.4	504.7	542.1	585.0	643.0	697.2
15°	499.1	499.1	487.9	476.6	487.9	484.1	504.7	534.6	585.0	644.9	712.2
17.5°	521.5	523.4	510.3	491.6	495.3	497.2	512.2	540.2	585.0	648.6	732.7
20°	566.4	557.0	536.5	506.5	519.6	514.0	536.5	560.7	596.3	663.6	762.6
22.5°	605.6	605.6	566.4	540.2	542.1	542.1	562.6	583.2	613.1	684.1	785.0
25°	669.2	665.4	616.8	577.6	581.3	583.2	594.4	618.7	641.1	695.3	813.1
27.5°	749.5	740.2	691.6	646.7	631.8	637.4	643.0	661.7	667.3	714.0	846.7
30°	835.5	822.4	781.3	710.3	702.8	704.7	695.3	706.5	699.1	743.9	880.4
32.5°	889.7	889.7	850.5	798.1	777.6	777.6	745.8	753.3	753.3	772.0	940.2
35°	936.5	932.7	906.5	867.3	854.2	846.7	815.0	826.2	807.5	826.2	1024.3
37.5°	1007.5	996.3	985.1	958.9	932.7	927.1	910.3	917.8	891.6	882.2	1119.6
40°	1089.7	1084.1	1072.9	1061.7	1035.5	1033.6	1015.0	1022.4	994.4	958.9	1215.0
42.5°	1211.2	1194.4	1158.9	1149.5	1155.1	1162.6	1155.1	1142.1	1091.6	1046.7	1317.8
45°	1332.7	1306.5	1239.3	1224.3	1267.3	1261.7	1293.5	1287.9	1205.6	1134.6	1426.2
47.5°	1411.2	1388.8	1334.6	1325.2	1343.9	1351.4	1446.7	1429.9	1299.1	1215.0	1530.8
50°	1467.3	1469.2	1398.1	1422.4	1446.7	1446.7	1566.4	1564.5	1413.1	1314.0	1667.3
52.5°	1549.5	1523.4	1493.5	1515.9	1549.5	1568.2	1715.9	1674.8	1484.1	1398.1	1820.6
55°	1592.5	1581.3	1555.1	1594.4	1665.4	1674.8	1831.8	1800.0	1564.5	1497.2	1977.6
57.5°	1609.4	1618.7	1661.7	1678.5	1777.6	1801.9	1936.5	1891.6	1639.3	1620.6	2099.1
60°	1684.1	1671.0	1729.0	1796.3	1891.6	1904.7	2067.3	1970.1	1712.2	1700.9	2138.3
62.5°	1835.5	1801.9	1833.7	1914.0	2046.7	2063.6	2205.6	2074.8	1743.9	1755.1	2136.5
65°	2056.1	2031.8	1985.1	2048.6	2235.5	2259.8	2368.2	2164.5	1734.6	1736.5	1985.1
67.5°	2315.9	2276.6	2228.0	2267.3	2495.3	2551.4	2566.4	2203.7	1669.2	1631.8	1615.0
70°	2543.9	2517.8	2486.0	2553.3	2871.0	2891.6	2813.1	2179.4	1487.9	1310.3	1076.6
72.5°	2757.0	2743.9	2762.6	3015.0	3379.5	3392.5	3044.9	2026.2	1175.7	794.4	500.9
75°	2773.8	2760.8	2889.7	3396.3	4016.8	4041.1	3188.8	1588.8	620.6	323.4	211.2
77.5°	1878.5	1917.8	2158.9	2973.8	3689.7	3695.3	2607.5	738.3	256.1	190.7	147.7
80°	461.7	512.2	813.1	1538.3	2487.9	2549.5	1428.0	248.6	168.2	145.8	110.3
82.5°	168.2	183.2	330.8	695.3	1398.1	1422.4	499.1	134.6	121.5	112.1	80.4
85°	80.4	82.2	157.0	342.1	706.5	699.1	179.4	80.4	87.9	76.6	48.6
87.5°	33.6	33.6	69.2	158.9	312.2	302.8	57.9	37.4	50.5	44.9	24.3
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°	695.3	695.3	695.3	695.3	695.3	695.3	695.3	695.3	695.3	695.3	695.3
2.5°	697.2	700.9	715.9	727.1	738.3	747.7	762.6	762.6	772.0	772.0	772.0
5°	695.3	715.9	740.2	766.4	783.2	800.0	815.0	816.8	822.4	829.9	831.8
7.5°	702.8	723.4	762.6	800.0	820.6	828.0	846.7	841.1	841.1	841.1	846.7
10°	717.8	740.2	794.4	828.0	843.0	844.9	839.3	835.5	824.3	820.6	815.0
12.5°	729.0	768.2	822.4	848.6	843.0	837.4	824.3	805.6	792.5	788.8	788.8
15°	757.0	796.3	846.7	856.1	846.7	816.8	800.0	779.4	768.2	751.4	758.9
17.5°	781.3	826.2	871.0	859.8	841.1	794.4	770.1	740.2	725.2	706.5	706.5
20°	813.1	854.2	893.5	863.6	822.4	772.0	732.7	695.3	674.8	656.1	659.8
22.5°	848.6	886.0	906.5	848.6	794.4	736.5	682.2	646.7	620.6	609.3	613.1
25°	876.6	917.8	914.0	824.3	760.8	691.6	631.8	598.1	592.5	581.3	581.3
27.5°	912.2	955.1	908.4	794.4	704.7	620.6	583.2	570.1	570.1	564.5	568.2
30°	958.9	988.8	895.3	751.4	633.6	557.0	538.3	545.8	558.9	553.3	555.1
32.5°	1035.5	1031.8	884.1	702.8	558.9	495.3	508.4	523.4	534.6	540.2	543.9
35°	1110.3	1086.0	871.0	637.4	489.7	465.4	476.6	493.5	514.0	519.6	521.5
37.5°	1185.1	1142.1	848.6	557.0	446.7	439.3	450.5	459.8	476.6	480.4	484.1
40°	1263.6	1179.4	809.3	478.5	411.2	411.2	418.7	420.6	429.9	435.5	439.3
42.5°	1332.7	1215.0	738.3	405.6	373.8	386.9	388.8	385.0	377.6	381.3	383.2
45°	1416.8	1254.2	656.1	353.3	345.8	362.6	366.4	351.4	338.3	330.8	327.1
47.5°	1499.1	1295.3	585.0	310.3	319.6	345.8	345.8	329.0	306.5	287.9	280.4
50°	1573.8	1336.5	527.1	284.1	293.5	332.7	336.4	304.7	280.4	257.9	254.2
52.5°	1699.1	1405.6	467.3	263.6	278.5	323.4	321.5	293.5	261.7	237.4	235.5
55°	1809.4	1474.8	388.8	243.0	263.6	310.3	315.9	282.2	239.3	216.8	213.1
57.5°	1889.7	1491.6	310.3	222.4	248.6	295.3	302.8	259.8	224.3	205.6	203.7
60°	1904.7	1426.2	252.3	205.6	228.0	274.8	280.4	246.7	213.1	198.1	194.4
62.5°	1835.5	1300.9	215.0	190.7	211.2	254.2	265.4	231.8	201.9	188.8	186.9
65°	1678.5	1117.8	188.8	177.6	200.0	239.3	252.3	220.6	192.5	181.3	179.4
67.5°	1329.0	857.9	168.2	168.2	185.0	224.3	243.0	213.1	183.2	175.7	173.8
70°	869.2	515.9	153.3	155.1	173.8	211.2	231.8	203.7	172.0	170.1	166.4
72.5°	373.8	237.4	136.4	142.1	157.0	188.8	215.0	190.7	158.9	153.3	147.7
75°	172.0	143.9	123.4	127.1	140.2	166.4	194.4	175.7	147.7	138.3	132.7
77.5°	121.5	104.7	102.8	110.3	119.6	143.9	172.0	164.5	136.4	129.0	125.2
80°	89.7	80.4	86.0	93.5	99.1	132.7	162.6	151.4	125.2	114.0	108.4
82.5°	63.6	59.8	67.3	74.8	80.4	115.9	149.5	132.7	104.7	95.3	86.0
85°	37.4	39.3	46.7	50.5	56.1	86.0	125.2	106.5	80.4	61.7	59.8
87.5°	16.8	16.8	22.4	24.3	28.0	50.5	84.1	67.3	50.5	39.3	37.4
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)