

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: P671957

Luminaire Tested: **CCP-SA-1C-735-U-AFL**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671957  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-735-U-AFL  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ AFL distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

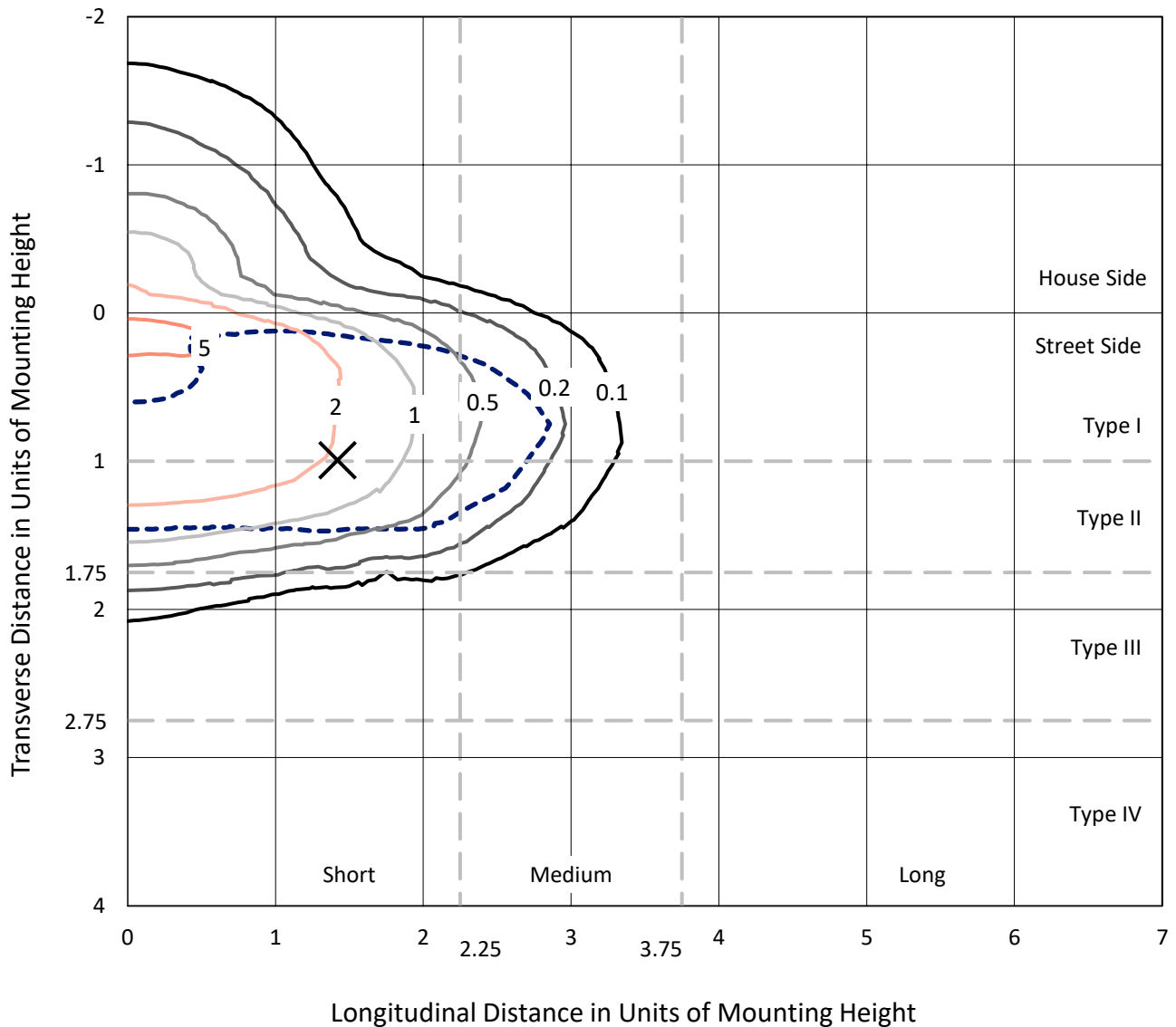
Lumens per Lamp: N/A  
Luminaire Lumens: 4500.1 lumens  
Efficiency: N/A  
Efficacy: 140.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

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

REPORT NUMBER: P671957  
 CATALOG NUMBER: CCP-SA-1C-735-U-AFL

### Iso-Footcandle Lines of Horizontal Illumination

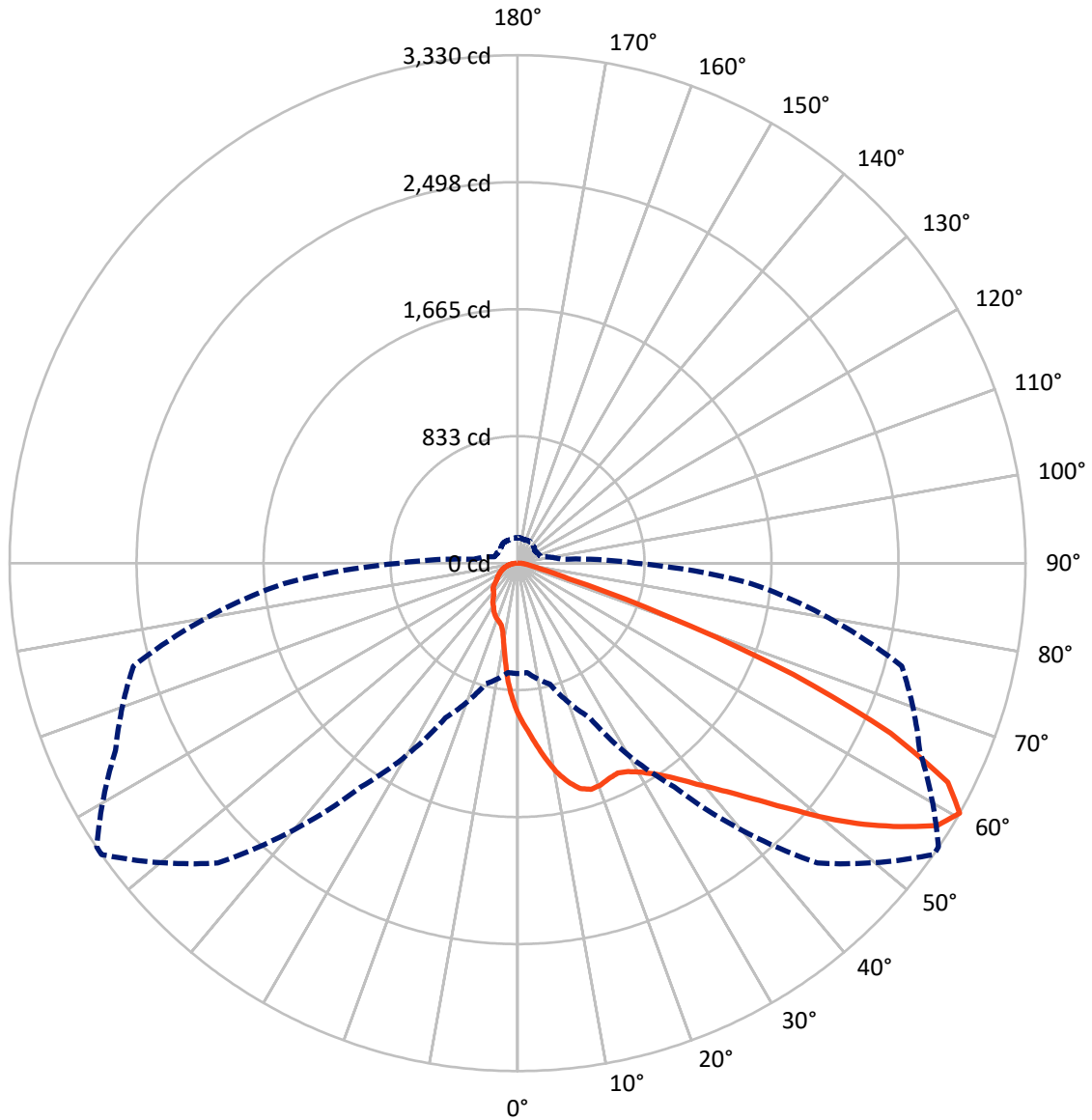
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.2 fc  
 Type II - Short - N/A

REPORT NUMBER: P671957  
CATALOG NUMBER: CCP-SA-1C-735-U-AFL

### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P671957

CATALOG NUMBER: CCP-SA-1C-735-U-AFL

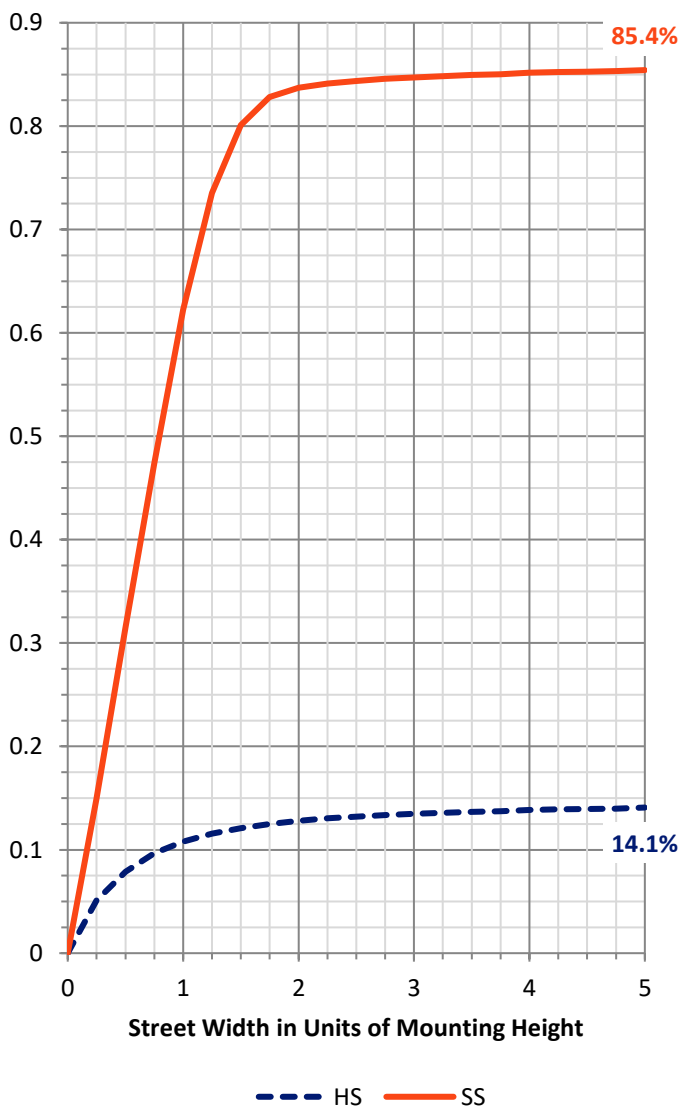
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	646.9	0.0	646.9
	% Fixture	14.4	0.0	14.4
<b>Street Side</b>	Lumens	3853.2	0.0	3853.2
	% Fixture	85.6	0.0	85.6
<b>Total</b>	Lumens	4500.1	0.0	4500.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.4	2.1
10°-20°	264.6	5.9
20°-30°	430.8	9.6
30°-40°	643.9	14.3
40°-50°	946.4	21.0
50°-60°	1109.3	24.6
60°-70°	731.4	16.3
70°-80°	232.9	5.2
80°-90°	47.4	1.1
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°	4500.1	100.0
0°-180°	4500.1	100.0



REPORT NUMBER: P671957

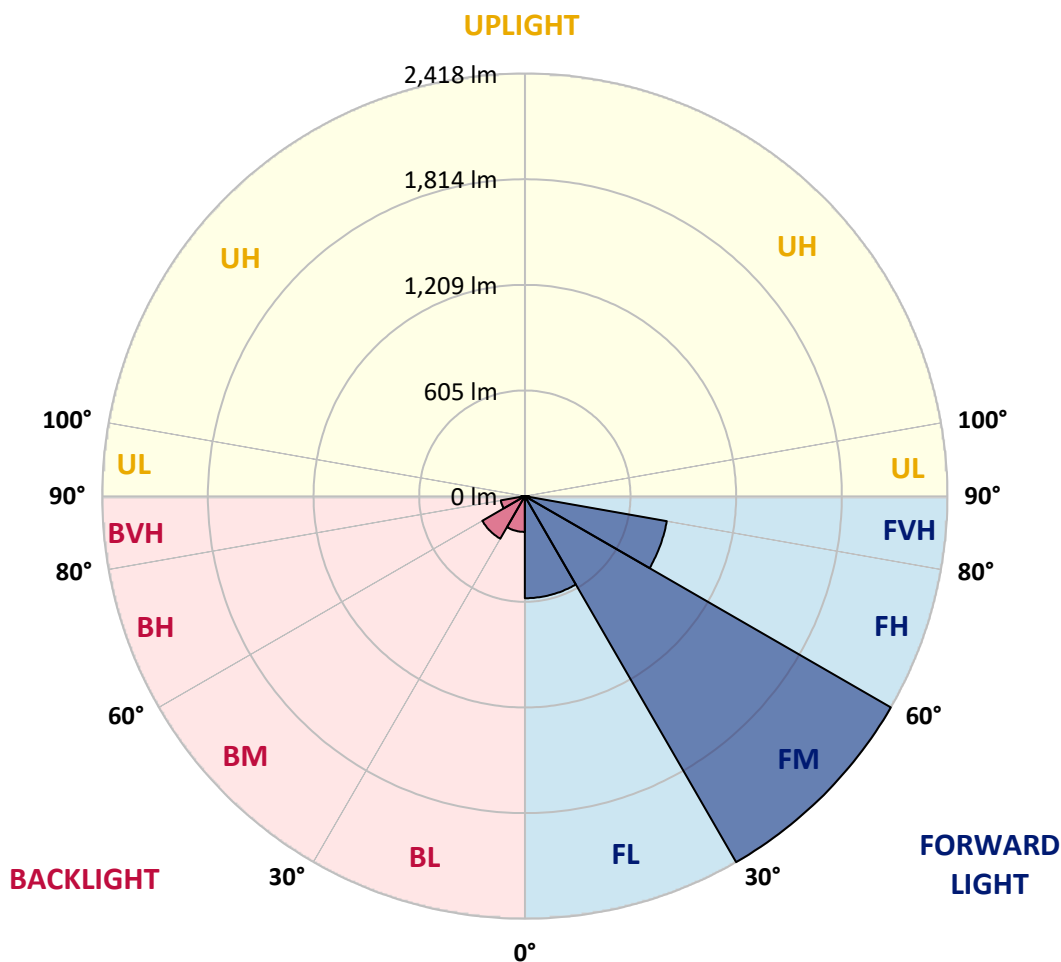
CATALOG NUMBER: CCP-SA-1C-735-U-AFL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	584.1	13.0			
FM (30°-60°)	2418.5	53.7			
FH (60°-80°)	824.7	18.3			G1/1800
FVH (80°-90°)	26.0	0.6			G1/100
BL (0°-30°)	204.8	4.6	B1/500		
BM (30°-60°)	281.2	6.2	B1/1000		
BH (60°-80°)	139.6	3.1	B1/500		G1/500
BVH (80°-90°)	21.4	0.5			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 II Short





REPORT NUMBER: P671957

CATALOG NUMBER: CCP-SA-1C-735-U-AFL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	998.0	998.0	998.0	998.0	998.0	998.0	998.0	998.0	998.0	998.0	998.0
2.5°	1161.4	1157.2	1157.2	1146.4	1130.4	1108.3	1081.8	1075.3	1065.2	1039.4	1006.2
5°	1338.5	1334.0	1327.8	1308.9	1279.2	1234.8	1179.0	1168.9	1132.7	1079.6	1019.6
7.5°	1455.6	1453.0	1451.1	1434.7	1405.4	1361.7	1287.0	1275.6	1214.3	1126.2	1032.3
10°	1443.6	1451.4	1465.1	1476.5	1482.4	1459.9	1389.7	1376.4	1300.4	1180.3	1051.2
12.5°	1330.4	1341.5	1366.9	1413.5	1467.4	1510.7	1470.9	1463.4	1392.3	1237.8	1075.0
15°	1246.2	1250.8	1263.2	1297.8	1378.0	1493.8	1533.9	1527.0	1478.1	1311.5	1102.4
17.5°	1220.1	1222.1	1225.0	1236.4	1291.2	1427.6	1559.7	1566.2	1561.3	1388.1	1133.4
20°	1233.2	1234.5	1234.8	1236.8	1262.9	1372.1	1552.8	1563.9	1634.4	1464.8	1164.0
22.5°	1283.4	1281.8	1279.5	1272.0	1286.7	1362.3	1534.5	1552.2	1690.8	1534.5	1192.4
25°	1371.1	1368.9	1352.9	1337.2	1343.4	1397.6	1524.8	1543.7	1734.8	1600.4	1213.3
27.5°	1475.5	1473.2	1456.9	1427.2	1420.7	1456.3	1547.6	1559.3	1767.1	1658.8	1222.4
30°	1583.8	1583.8	1563.6	1529.3	1508.5	1523.5	1589.7	1599.1	1791.6	1715.2	1228.3
32.5°	1701.9	1705.1	1673.8	1634.7	1611.5	1602.7	1648.7	1656.9	1827.1	1781.8	1240.7
35°	1853.5	1846.4	1808.2	1756.7	1719.5	1699.6	1721.8	1731.2	1879.3	1864.6	1260.6
37.5°	2024.1	2011.4	1964.4	1902.8	1837.9	1804.6	1819.3	1821.6	1956.6	1972.6	1296.8
40°	2165.0	2162.7	2122.9	2064.5	1982.7	1938.0	1930.8	1932.1	2063.9	2100.4	1351.6
42.5°	2283.7	2275.2	2268.1	2247.5	2160.8	2087.4	2058.0	2058.4	2180.3	2232.5	1406.7
45°	2336.2	2334.6	2355.8	2408.6	2346.3	2259.9	2218.2	2224.0	2313.7	2368.2	1459.9
47.5°	2313.7	2315.0	2371.8	2510.4	2547.3	2481.0	2407.0	2403.4	2442.9	2472.2	1506.8
50°	2112.8	2134.0	2287.6	2519.9	2679.0	2712.0	2628.5	2615.1	2556.1	2555.1	1535.5
52.5°	1961.2	1960.2	2054.4	2423.6	2725.7	2920.4	2845.4	2815.4	2649.7	2601.7	1537.8
55°	1756.3	1755.0	1825.2	2142.2	2633.0	3065.8	3049.9	3012.3	2735.4	2617.1	1522.2
57.5°	1330.1	1354.8	1424.6	1714.9	2339.5	3042.7	3245.2	3213.9	2819.3	2610.2	1519.2
60°	723.7	720.8	821.9	1117.7	1791.2	2779.8	3330.3	3328.7	2908.3	2607.6	1537.2
62.5°	333.7	330.4	350.6	497.7	1027.1	2227.0	3166.0	3189.4	2990.8	2583.8	1535.5
65°	249.5	241.0	213.6	231.6	393.0	1329.4	2689.1	2751.8	2863.6	2485.9	1464.4
67.5°	222.4	214.3	182.3	170.9	197.3	469.0	1950.7	2008.4	2394.6	2302.6	1349.3
70°	203.8	196.7	164.7	146.8	148.1	207.8	1021.2	1134.7	1755.0	1921.7	1150.0
72.5°	185.9	179.7	150.7	129.2	124.6	137.3	348.0	419.8	1091.6	1400.5	857.5
75°	167.0	161.1	135.7	115.8	107.0	101.8	165.7	178.4	577.3	773.3	460.2
77.5°	145.1	141.9	121.0	102.1	94.6	77.0	110.2	115.8	247.2	303.6	219.2
80°	126.2	123.6	108.0	92.6	84.8	59.4	76.0	79.9	122.0	151.7	122.6
82.5°	82.2	88.7	89.4	79.6	74.7	47.6	50.2	53.2	80.9	89.4	53.5
85°	33.9	41.1	61.6	54.8	51.9	40.4	33.3	33.9	49.6	52.2	19.2
87.5°	15.3	17.0	30.3	30.7	26.7	15.3	16.6	18.3	25.4	25.1	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P671957  
 CATALOG NUMBER: CCP-SA-1C-735-U-AFL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	998.0	998.0	998.0	998.0	998.0	998.0	998.0	998.0	998.0	998.0	998.0
2.5°	997.0	982.0	955.3	921.1	896.6	878.7	859.1	844.7	828.8	814.7	817.0
5°	994.8	965.7	905.7	842.1	780.2	729.3	686.9	655.6	623.3	610.6	608.9
7.5°	996.7	947.5	849.0	744.9	650.7	585.8	536.5	506.8	488.3	477.5	478.1
10°	996.1	930.2	787.7	644.2	541.1	481.7	451.7	441.9	440.3	441.6	443.6
12.5°	997.0	906.7	718.8	553.5	462.5	432.2	433.5	442.3	447.8	451.4	453.7
15°	1001.3	887.5	648.4	482.1	421.4	422.4	436.4	450.1	458.2	462.2	464.1
17.5°	1007.5	863.3	585.8	427.9	404.1	419.1	437.4	452.0	458.2	460.5	462.2
20°	1008.1	835.6	522.5	390.7	392.7	412.3	428.2	440.0	447.8	450.4	451.7
22.5°	1005.2	798.1	457.6	363.7	379.6	399.2	412.9	426.3	415.8	407.4	405.1
25°	992.8	750.8	402.1	341.5	363.3	381.6	397.3	382.6	377.7	371.2	371.8
27.5°	966.1	691.8	350.0	320.6	344.1	370.2	358.8	356.8	350.6	344.1	344.1
30°	930.8	629.5	306.3	298.8	320.9	334.0	336.6	333.7	330.1	321.6	322.2
32.5°	899.2	563.6	275.3	280.5	306.3	306.3	317.7	317.7	304.6	280.8	280.8
35°	867.9	501.6	252.4	265.2	282.1	287.7	303.3	282.8	264.2	253.4	252.8
37.5°	843.4	448.8	237.4	252.1	258.6	272.7	273.0	258.0	251.8	242.0	241.0
40°	829.1	404.4	228.3	245.6	246.2	259.3	237.8	242.0	240.7	233.2	232.2
42.5°	821.3	370.2	221.5	240.0	236.8	224.1	220.2	227.3	229.6	225.7	224.1
45°	815.1	343.4	215.9	220.8	229.3	206.1	204.5	210.0	214.9	214.6	213.3
47.5°	811.8	324.8	211.0	208.7	210.4	195.4	192.1	194.7	200.9	204.8	204.5
50°	799.1	310.5	203.8	196.3	185.9	185.9	184.3	184.3	191.8	199.6	200.3
52.5°	776.6	293.5	193.4	184.6	172.5	177.8	178.4	177.1	184.9	193.4	194.1
55°	751.8	280.8	179.4	173.8	161.4	170.3	173.2	171.9	177.1	183.0	182.6
57.5°	752.1	280.5	167.3	163.1	151.0	160.8	168.0	168.3	168.0	172.2	172.2
60°	771.0	287.0	157.9	148.7	138.9	150.7	162.4	162.4	160.1	166.3	167.0
62.5°	776.6	286.4	152.0	135.0	128.2	141.6	154.3	156.2	154.6	163.4	164.4
65°	727.6	271.0	146.1	122.6	118.4	131.4	144.2	149.7	148.1	159.5	160.8
67.5°	659.8	251.1	137.0	111.5	108.3	121.7	133.7	139.6	139.3	154.3	154.9
70°	568.8	226.7	125.6	100.1	98.5	110.2	121.0	127.2	130.1	147.4	147.1
72.5°	440.6	194.4	108.3	88.1	87.7	98.5	108.0	114.8	120.4	137.0	137.0
75°	284.1	153.0	88.4	76.3	75.0	85.1	94.9	102.7	119.7	146.1	145.8
77.5°	173.5	116.8	71.1	63.6	63.3	72.4	82.2	95.6	130.8	130.1	126.5
80°	104.0	83.8	56.8	50.9	50.9	59.4	70.1	102.4	108.6	123.9	117.1
82.5°	54.1	51.5	42.4	37.5	39.1	46.6	63.9	81.9	88.7	75.3	69.1
85°	22.2	27.4	26.1	23.8	24.8	32.3	61.6	65.6	52.5	55.1	55.4
87.5°	7.5	12.1	12.1	9.5	10.4	22.8	36.5	21.9	26.4	15.7	11.7
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)