

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: P674619

Luminaire Tested: **CCP-SA-2A-835-U-T2R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674619  
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-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T2R distribution lens and House Side Shield  
Light Source: (32) 3500K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

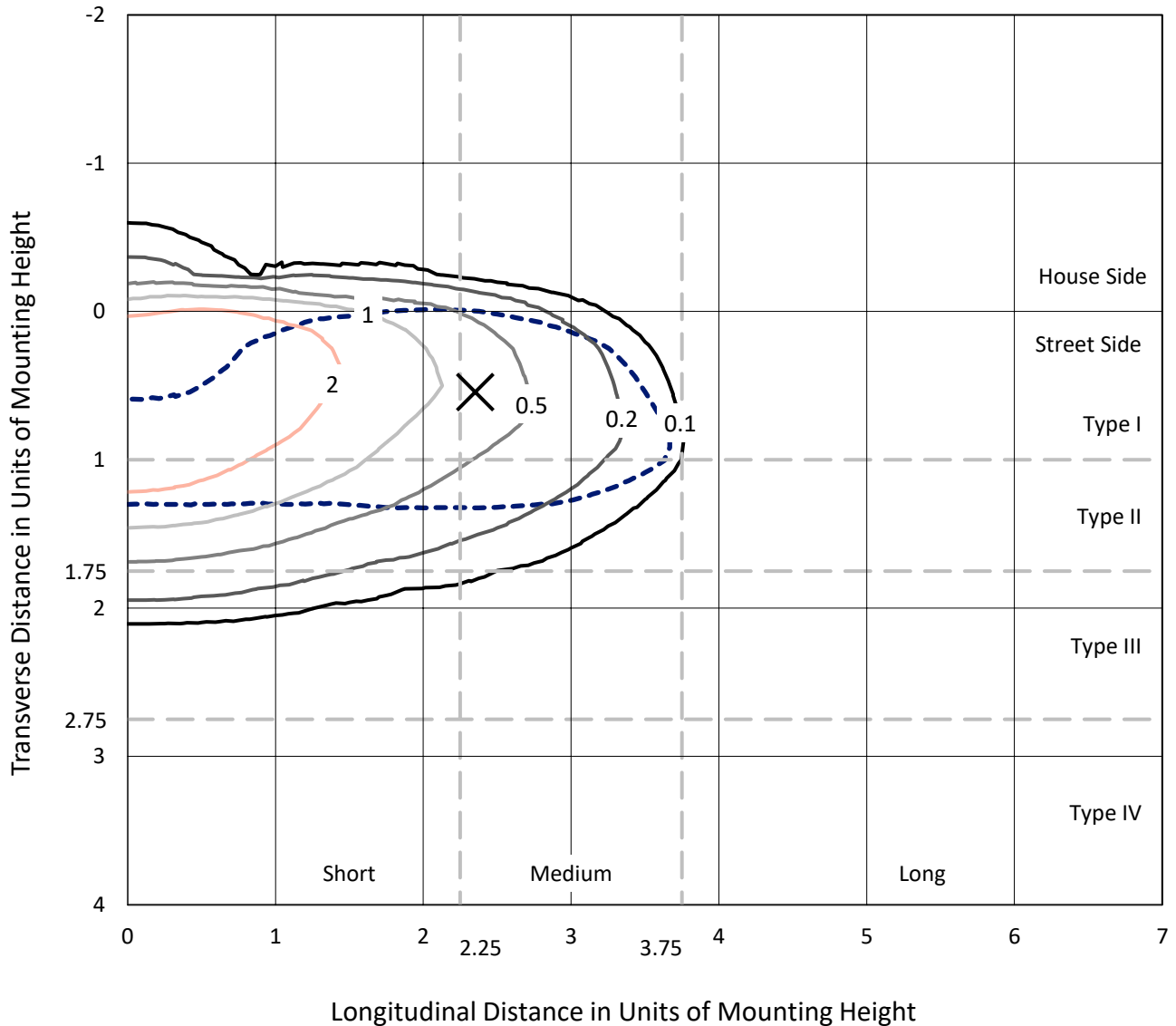
Lumens per Lamp: N/A  
Luminaire Lumens: 3650.6 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G1

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

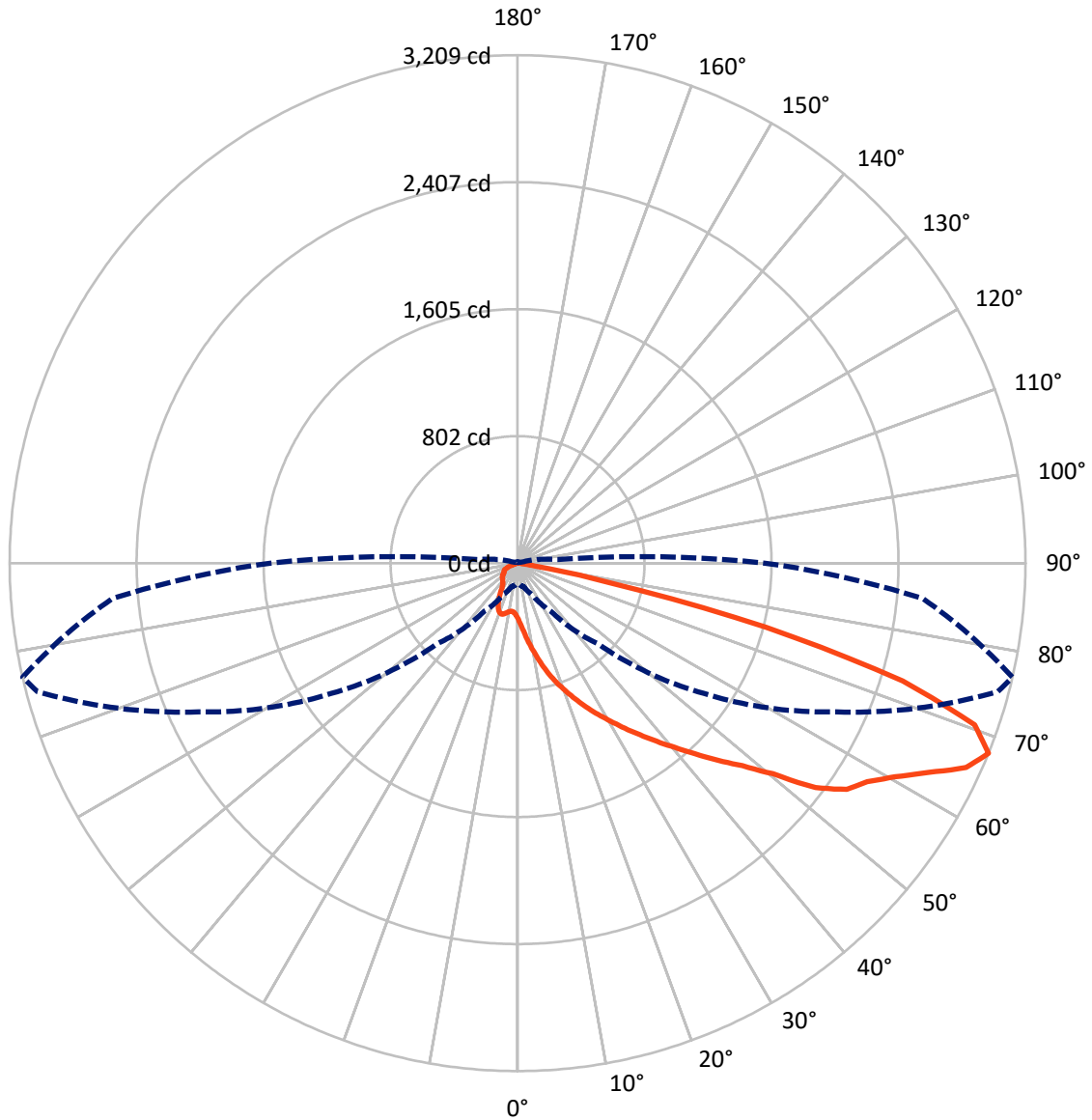
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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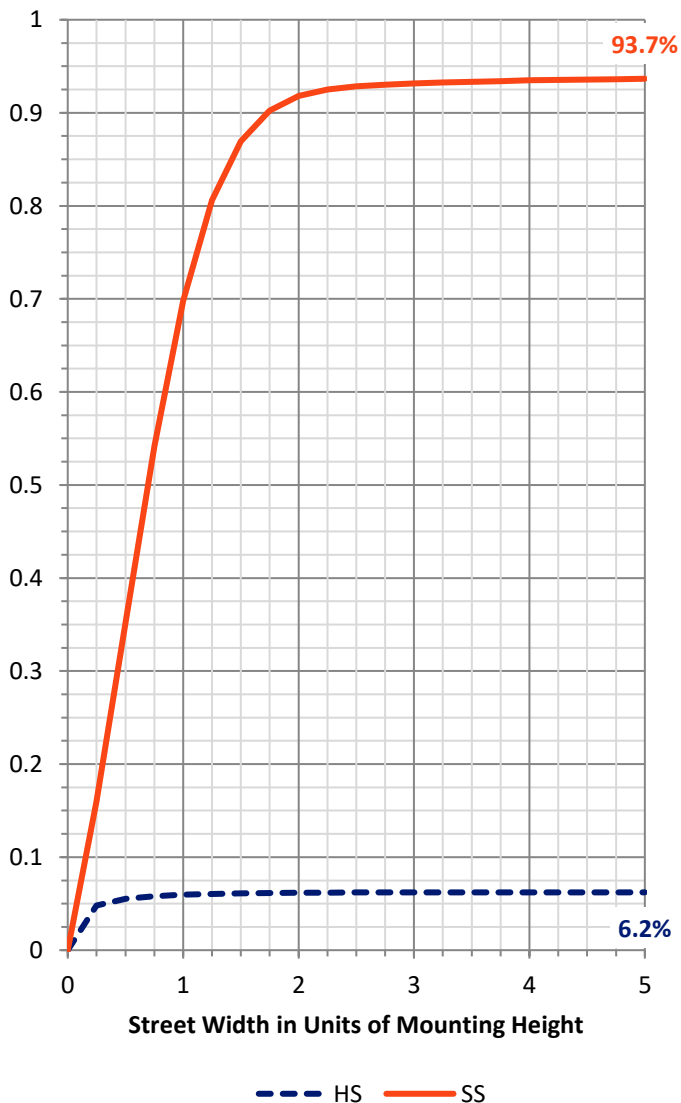
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	228.1	0.0	228.1
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	3422.5	0.0	3422.5
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	3650.6	0.0	3650.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.1	1.1
10°-20°	152.0	4.2
20°-30°	296.9	8.1
30°-40°	519.1	14.2
40°-50°	757.0	20.7
50°-60°	885.2	24.2
60°-70°	717.6	19.7
70°-80°	269.6	7.4
80°-90°	12.3	0.3
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°	3650.6	100.0
0°-180°	3650.6	100.0



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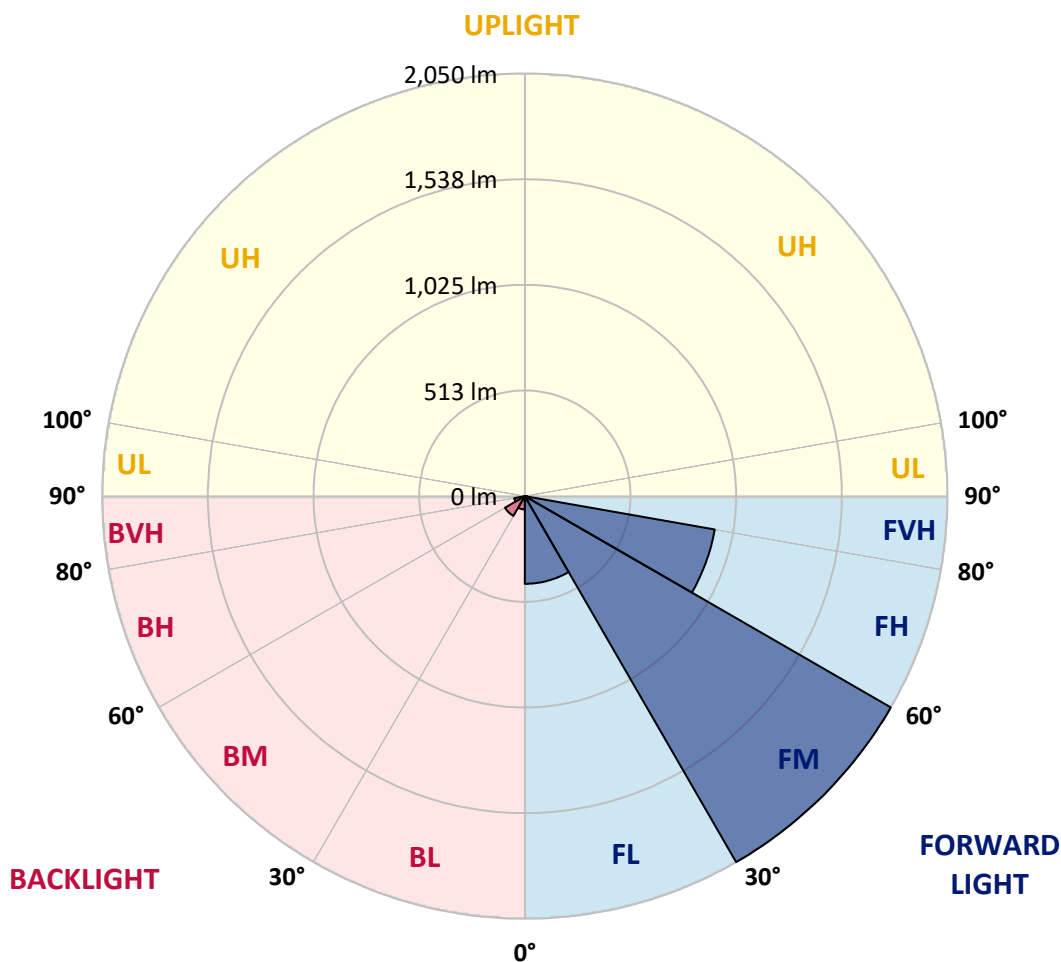
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	425.3	11.6			
FM (30°-60°)	2050.3	56.2			
FH (60°-80°)	935.4	25.6			G1/1800
FVH (80°-90°)	11.5	0.3			G1/100
BL (0°-30°)	64.7	1.8	B0/110		
BM (30°-60°)	111.0	3.0	B0/220		
BH (60°-80°)	51.7	1.4	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7
2.5°	525.0	505.9	509.5	501.6	491.4	467.6	442.6	417.6	395.1	390.2	367.8
5°	672.3	666.4	660.1	654.8	633.4	603.8	558.6	501.3	449.5	440.6	394.2
7.5°	786.7	777.8	783.4	767.2	744.8	716.1	658.8	597.5	517.7	504.6	432.4
10°	871.0	866.1	868.7	861.1	850.3	821.6	764.9	688.1	595.8	570.8	475.2
12.5°	934.3	935.3	946.8	947.5	938.6	915.2	855.2	775.1	666.7	644.3	522.7
15°	980.4	981.4	995.6	1010.8	1021.0	1008.8	954.4	864.8	750.1	719.4	572.4
17.5°	988.0	988.7	1013.7	1044.4	1076.0	1086.6	1044.7	953.7	826.2	791.3	629.5
20°	993.0	998.6	1021.0	1056.2	1106.3	1139.0	1116.2	1039.1	900.0	859.5	685.5
22.5°	1052.9	1052.9	1066.1	1091.2	1131.0	1182.1	1177.5	1117.5	971.9	931.7	741.2
25°	1180.2	1180.2	1167.3	1160.7	1182.1	1222.3	1233.9	1201.2	1053.9	1006.5	799.8
27.5°	1348.6	1348.6	1328.5	1280.0	1261.6	1278.4	1290.6	1274.1	1129.7	1082.9	861.8
30°	1523.2	1529.2	1494.2	1432.6	1368.0	1355.1	1343.3	1339.7	1210.5	1157.7	924.7
32.5°	1698.6	1697.9	1654.4	1577.6	1493.2	1447.8	1409.2	1404.9	1296.2	1244.4	984.4
35°	1838.6	1838.9	1793.1	1714.4	1616.8	1558.8	1496.9	1476.8	1390.1	1332.4	1055.6
37.5°	1959.9	1953.0	1903.5	1828.7	1737.8	1677.8	1600.7	1548.3	1487.3	1428.6	1126.8
40°	2029.4	2020.2	1972.1	1900.9	1832.0	1786.2	1718.3	1634.6	1594.1	1530.8	1207.8
42.5°	2039.6	2031.7	1999.8	1956.9	1900.6	1860.4	1842.2	1732.2	1706.1	1648.8	1304.7
45°	2011.0	1998.1	1987.6	1965.2	1949.3	1929.9	1954.6	1836.0	1834.7	1777.6	1400.6
47.5°	1939.8	1922.3	1925.0	1949.7	1967.5	1984.9	2062.1	1972.1	1964.2	1910.8	1526.5
50°	1818.2	1809.6	1838.6	1887.4	1957.9	2027.8	2169.2	2111.2	2142.5	2092.4	1700.2
52.5°	1571.0	1581.6	1668.2	1785.6	1907.5	2047.9	2269.7	2318.8	2398.9	2357.7	1874.9
55°	1274.4	1270.5	1386.1	1594.4	1789.2	2035.0	2313.5	2441.0	2566.9	2523.8	1972.1
57.5°	1026.6	1033.5	1111.6	1317.6	1588.5	1935.8	2323.7	2505.0	2634.5	2605.8	2062.1
60°	770.5	777.1	848.3	1027.6	1321.5	1728.9	2239.4	2527.4	2761.4	2739.6	2205.7
62.5°	490.4	499.0	570.5	744.8	1010.1	1407.2	2049.9	2504.0	2893.9	2912.0	2401.8
65°	241.2	248.8	301.5	435.0	675.3	1052.3	1785.6	2414.7	3062.6	3114.3	2559.0
67.5°	133.5	137.1	155.2	221.5	376.7	721.7	1434.9	2223.9	3140.0	3209.3	2569.6
70°	103.8	104.8	111.7	129.2	183.6	423.5	1020.6	1906.2	2979.5	3063.3	2355.7
72.5°	87.3	88.7	91.9	97.9	114.7	220.5	641.3	1473.1	2507.0	2544.9	1822.5
75°	63.9	65.9	75.1	80.4	90.6	133.8	282.8	885.2	1656.7	1619.5	1019.7
77.5°	53.7	55.4	57.7	65.3	74.8	91.3	99.2	371.1	674.3	586.3	267.6
80°	36.6	38.6	44.8	48.8	63.3	60.3	41.2	99.5	135.4	110.4	51.4
82.5°	26.0	27.7	31.0	39.9	45.8	32.0	22.4	30.3	32.6	31.0	16.8
85°	8.2	10.5	22.4	33.0	24.7	10.9	14.2	11.5	10.2	9.9	6.6
87.5°	1.6	1.6	11.2	13.2	9.9	5.6	4.9	3.6	4.6	4.6	3.6
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°	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7
2.5°	357.2	342.4	321.0	300.9	280.5	266.0	255.7	245.5	241.6	239.9	235.6
5°	373.1	344.7	302.2	267.9	242.9	227.1	217.5	209.3	204.0	202.3	200.0
7.5°	395.8	354.9	294.0	254.4	229.4	212.2	196.7	179.0	164.8	159.2	156.9
10°	420.5	370.4	295.3	251.8	218.5	180.9	146.3	117.7	105.1	100.5	97.2
12.5°	456.8	387.6	300.9	248.8	185.9	129.2	93.6	81.7	78.8	78.1	77.4
15°	493.0	411.6	310.1	229.0	138.7	88.0	77.8	73.5	71.8	70.2	70.2
17.5°	529.6	434.7	313.7	190.5	95.9	76.1	70.9	67.2	64.6	63.3	62.3
20°	570.8	459.1	303.2	143.4	76.8	69.5	63.6	59.3	57.0	55.7	54.7
22.5°	615.3	483.1	280.1	99.9	69.9	62.6	57.0	52.7	50.4	49.1	48.8
25°	657.1	503.9	243.2	75.1	62.9	56.0	50.8	47.1	45.5	44.2	43.8
27.5°	700.3	521.7	195.1	66.2	57.3	50.8	45.5	42.5	40.9	39.9	39.5
30°	742.5	533.9	145.3	60.6	52.4	45.8	41.2	38.9	37.2	36.3	35.9
32.5°	786.0	540.8	98.2	55.7	47.5	41.5	37.6	35.3	34.3	33.3	33.3
35°	827.9	539.8	70.9	51.1	43.5	37.6	33.9	32.3	32.0	31.0	31.0
37.5°	873.7	532.9	60.3	46.8	39.2	33.9	31.0	30.0	29.7	29.0	28.7
40°	925.7	517.4	55.0	43.5	35.6	31.0	28.3	27.7	27.4	26.7	26.7
42.5°	982.7	497.3	52.1	39.9	32.6	28.0	26.0	25.0	24.7	24.1	24.1
45°	1049.0	478.2	50.1	36.3	30.0	25.7	23.7	22.7	22.4	21.8	21.8
47.5°	1139.3	467.3	46.8	33.0	27.0	23.4	21.4	20.8	20.1	19.4	19.4
50°	1263.5	454.5	42.5	29.7	24.7	21.1	19.8	18.8	18.5	17.8	17.8
52.5°	1365.7	427.1	38.2	26.4	22.1	19.4	18.1	17.5	16.8	16.5	16.5
55°	1401.6	395.1	33.9	23.7	20.1	18.1	16.8	16.1	15.8	15.5	15.5
57.5°	1459.0	384.9	30.0	21.1	18.1	16.8	15.5	15.2	14.8	14.5	14.2
60°	1556.8	390.9	26.4	18.8	16.5	15.2	14.2	13.8	13.2	12.5	12.5
62.5°	1651.8	383.6	22.4	16.5	14.2	13.5	12.5	11.9	10.5	9.6	8.9
65°	1674.8	335.2	19.4	13.8	11.9	11.2	10.2	8.9	6.9	5.6	5.6
67.5°	1563.1	254.7	16.8	11.9	9.9	9.2	7.3	5.9	4.3	3.3	3.3
70°	1289.9	161.5	13.8	9.2	8.2	6.3	4.6	4.3	3.0	2.6	2.3
72.5°	930.7	88.3	11.5	7.6	5.9	4.0	3.3	2.6	2.0	1.3	1.3
75°	471.3	41.5	8.6	5.9	4.0	2.6	2.0	1.3	1.3	1.0	1.0
77.5°	133.5	19.1	5.6	4.0	2.6	1.6	1.3	1.0	1.0	0.7	0.7
80°	26.4	9.6	3.6	2.6	2.0	1.3	1.0	0.7	0.7	0.3	0.3
82.5°	9.6	4.9	2.6	2.0	1.6	1.3	0.7	0.3	0.3	0.0	0.0
85°	4.9	2.6	2.0	1.6	1.3	1.0	0.7	0.3	0.0	0.0	0.0
87.5°	2.6	2.0	1.6	1.6	1.3	1.0	0.7	0.3	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)