

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: P674550

Luminaire Tested: **CCP-SA-1D-735-U-T2R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674550  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1D-735-U-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T2R distribution lens and House Side Shield  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

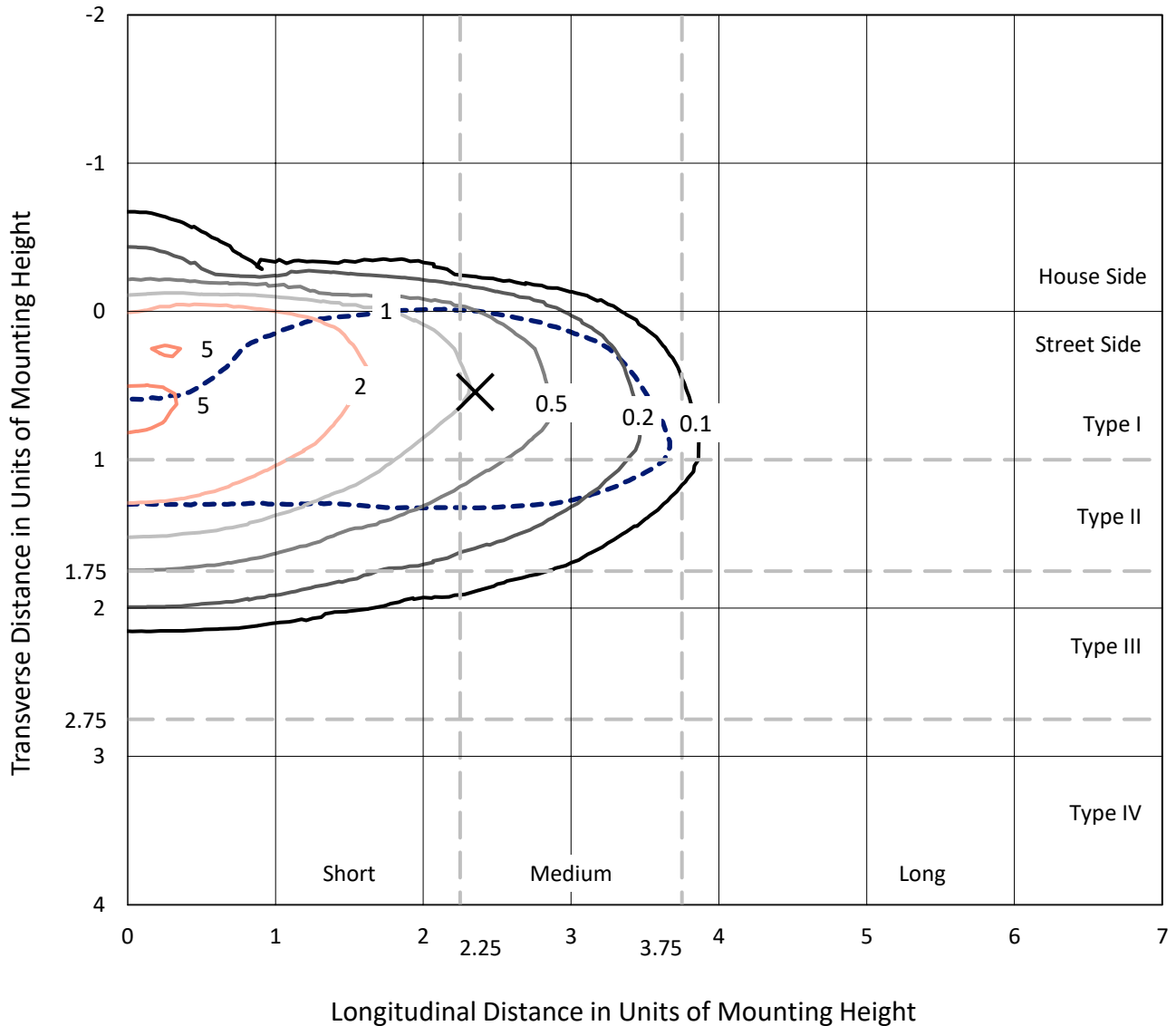
Lumens per Lamp: N/A  
Luminaire Lumens: 4453.8 lumens  
Efficiency: N/A  
Efficacy: 101.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G1

Input Watts (W): 44  
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

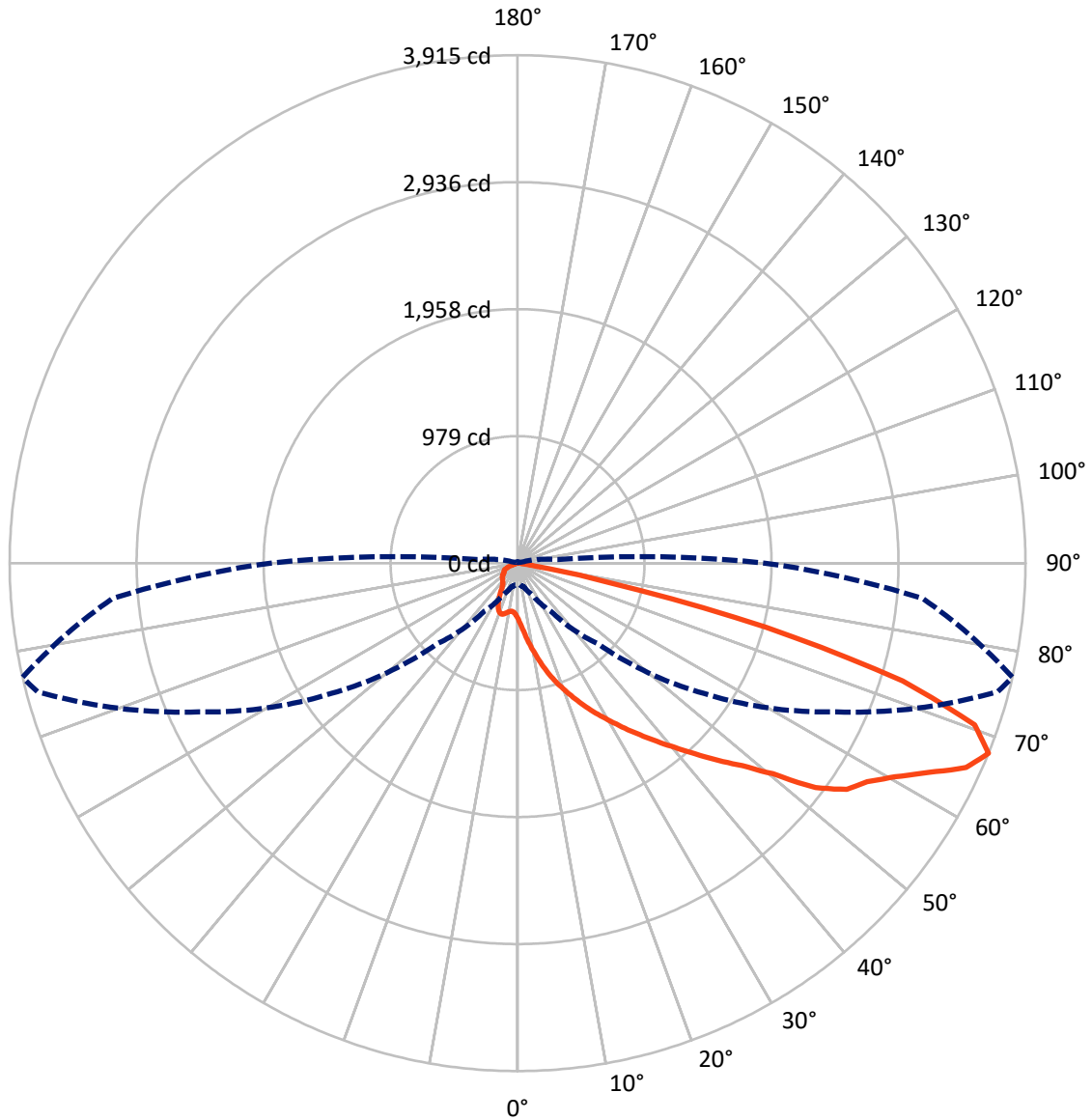
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 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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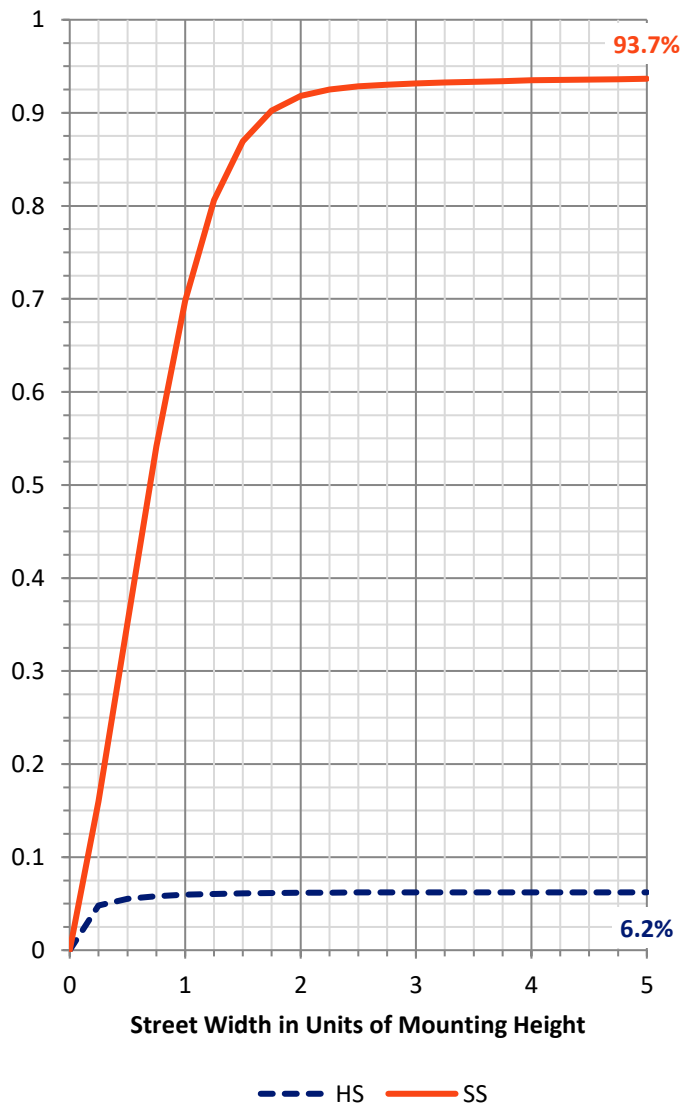
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	278.3	0.0	278.3
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	4175.5	0.0	4175.5
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	4453.8	0.0	4453.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.1	1.1
10°-20°	185.4	4.2
20°-30°	362.2	8.1
30°-40°	633.3	14.2
40°-50°	923.6	20.7
50°-60°	1079.9	24.2
60°-70°	875.4	19.7
70°-80°	328.9	7.4
80°-90°	14.9	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°	4453.8	100.0
0°-180°	4453.8	100.0

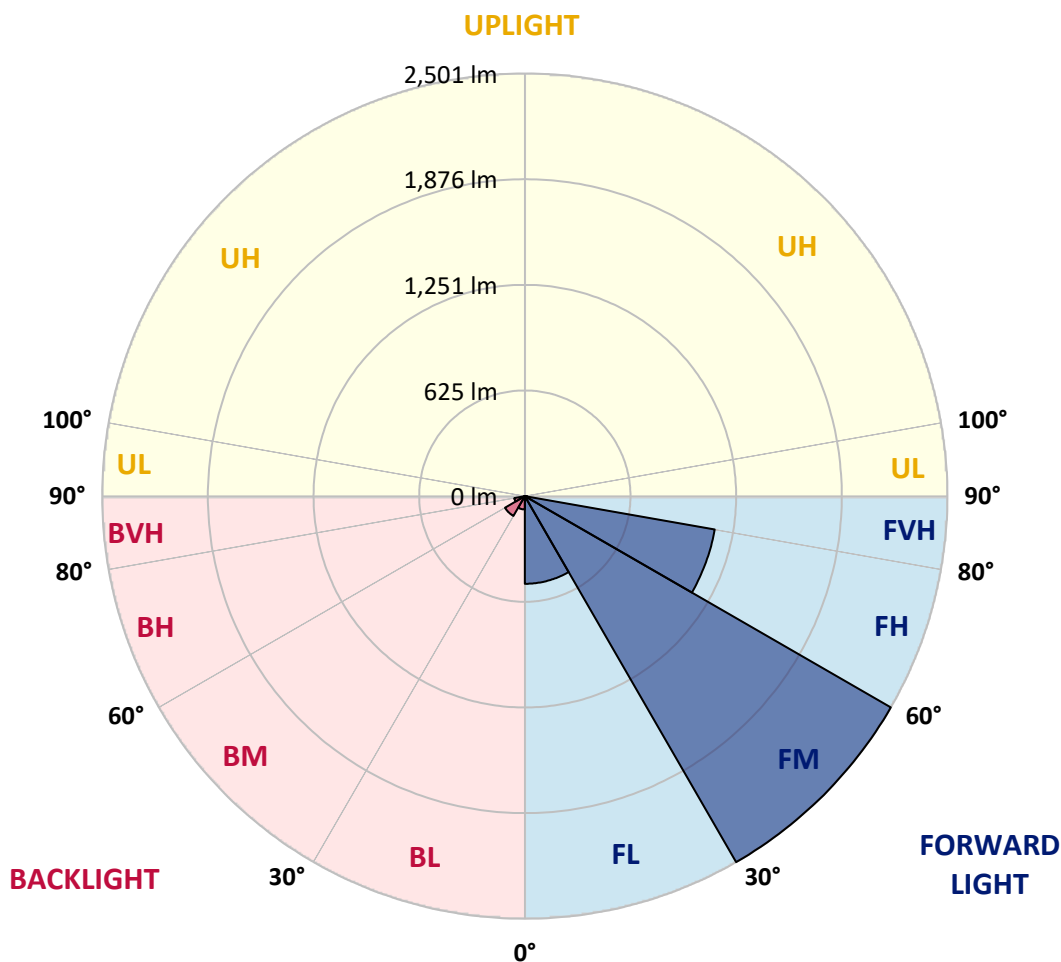


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	518.8	11.6			
FM (30°-60°)	2501.3	56.2			
FH (60°-80°)	1141.2	25.6			G1/1800
FVH (80°-90°)	14.1	0.3			G1/100
BL (0°-30°)	78.9	1.8	B0/110		
BM (30°-60°)	135.4	3.0	B0/220		
BH (60°-80°)	63.1	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	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°	426.6	426.6	426.6	426.6	426.6	426.6	426.6	426.6	426.6	426.6	426.6
2.5°	640.5	617.2	621.6	611.9	599.5	570.5	540.0	509.4	482.1	476.0	448.7
5°	820.2	813.0	805.3	798.9	772.8	736.6	681.5	611.5	548.4	537.6	480.9
7.5°	959.7	948.9	955.7	936.0	908.7	873.7	803.7	728.9	631.6	615.6	527.5
10°	1062.6	1056.6	1059.8	1050.6	1037.3	1002.3	933.2	839.5	726.9	696.4	579.8
12.5°	1139.8	1141.0	1155.1	1155.9	1145.1	1116.5	1043.3	945.6	813.4	786.0	637.7
15°	1196.1	1197.3	1214.6	1233.1	1245.6	1230.7	1164.4	1055.0	915.1	877.7	698.4
17.5°	1205.4	1206.2	1236.7	1274.1	1312.7	1325.6	1274.5	1163.6	1008.0	965.3	767.9
20°	1211.4	1218.2	1245.6	1288.6	1349.7	1389.5	1361.8	1267.7	1098.0	1048.6	836.3
22.5°	1284.6	1284.6	1300.7	1331.2	1379.9	1442.2	1436.6	1363.4	1185.7	1136.6	904.2
25°	1439.8	1439.8	1424.1	1416.1	1442.2	1491.2	1505.3	1465.5	1285.8	1227.9	975.8
27.5°	1645.2	1645.2	1620.7	1561.6	1539.1	1559.6	1574.5	1554.4	1378.3	1321.2	1051.4
30°	1858.3	1865.6	1822.9	1747.8	1669.0	1653.3	1638.8	1634.4	1476.8	1412.4	1128.2
32.5°	2072.2	2071.4	2018.3	1924.7	1821.7	1766.3	1719.2	1714.0	1581.3	1518.2	1201.0
35°	2243.1	2243.5	2187.6	2091.5	1972.5	1901.7	1826.2	1801.6	1695.9	1625.5	1287.8
37.5°	2391.1	2382.6	2322.3	2231.0	2120.1	2046.9	1952.8	1888.9	1814.5	1742.9	1374.6
40°	2475.9	2464.6	2405.9	2319.1	2235.1	2179.2	2096.3	1994.2	1944.8	1867.6	1473.6
42.5°	2488.4	2478.7	2439.7	2387.4	2318.7	2269.6	2247.5	2113.2	2081.5	2011.5	1591.8
45°	2453.4	2437.7	2424.8	2397.5	2378.2	2354.5	2384.6	2239.9	2238.3	2168.7	1708.8
47.5°	2366.5	2345.2	2348.4	2378.6	2400.3	2421.6	2515.7	2405.9	2396.3	2331.1	1862.3
50°	2218.2	2207.7	2243.1	2302.6	2388.6	2473.9	2646.4	2575.6	2613.8	2552.7	2074.2
52.5°	1916.6	1929.5	2035.2	2178.4	2327.1	2498.4	2769.0	2828.9	2926.6	2876.3	2287.3
55°	1554.8	1549.9	1691.1	1945.2	2182.8	2482.7	2822.5	2978.1	3131.6	3079.0	2405.9
57.5°	1252.4	1260.9	1356.2	1607.4	1937.9	2361.7	2834.9	3056.1	3214.1	3179.1	2515.7
60°	940.0	948.1	1034.9	1253.6	1612.3	2109.2	2732.0	3083.4	3368.9	3342.3	2691.0
62.5°	598.3	608.7	696.0	908.7	1232.3	1716.8	2500.8	3054.9	3530.5	3552.6	2930.2
65°	294.3	303.6	367.9	530.7	823.8	1283.8	2178.4	2945.9	3736.3	3799.5	3122.0
67.5°	162.8	167.3	189.4	270.2	459.6	880.5	1750.6	2713.1	3830.8	3915.3	3134.9
70°	126.6	127.9	136.3	157.6	223.9	516.6	1245.2	2325.5	3635.0	3737.2	2873.9
72.5°	106.5	108.2	112.2	119.4	139.9	269.0	782.4	1797.2	3058.5	3104.7	2223.4
75°	78.0	80.4	91.7	98.1	110.6	163.2	345.0	1079.9	2021.2	1975.7	1244.0
77.5°	65.5	67.5	70.4	79.6	91.3	111.4	121.0	452.7	822.6	715.3	326.5
80°	44.6	47.0	54.7	59.5	77.2	73.6	50.3	121.4	165.2	134.7	62.7
82.5°	31.8	33.8	37.8	48.6	55.9	39.0	27.3	37.0	39.8	37.8	20.5
85°	10.1	12.9	27.3	40.2	30.2	13.3	17.3	14.1	12.5	12.1	8.0
87.5°	2.0	2.0	13.7	16.1	12.1	6.8	6.0	4.4	5.6	5.6	4.4
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°	426.6	426.6	426.6	426.6	426.6	426.6	426.6	426.6	426.6	426.6	426.6
2.5°	435.8	417.7	391.6	367.1	342.2	324.5	312.0	299.5	294.7	292.7	287.5
5°	455.1	420.6	368.7	326.9	296.3	277.0	265.4	255.3	248.9	246.9	244.1
7.5°	482.9	433.0	358.6	310.4	279.8	258.9	240.0	218.3	201.0	194.2	191.4
10°	513.0	451.9	360.2	307.2	266.6	220.7	178.5	143.5	128.3	122.6	118.6
12.5°	557.3	472.8	367.1	303.6	226.8	157.6	114.2	99.7	96.1	95.3	94.5
15°	601.5	502.2	378.3	279.4	169.3	107.4	94.9	89.7	87.6	85.6	85.6
17.5°	646.1	530.3	382.8	232.4	117.0	92.9	86.4	82.0	78.8	77.2	76.0
20°	696.4	560.1	369.9	174.9	93.7	84.8	77.6	72.4	69.6	67.9	66.7
22.5°	750.6	589.4	341.8	121.8	85.2	76.4	69.6	64.3	61.5	59.9	59.5
25°	801.7	614.8	296.7	91.7	76.8	68.4	61.9	57.5	55.5	53.9	53.5
27.5°	854.4	636.5	238.0	80.8	70.0	61.9	55.5	51.9	49.9	48.6	48.2
30°	905.8	651.3	177.3	74.0	63.9	55.9	50.3	47.4	45.4	44.2	43.8
32.5°	958.9	659.8	119.8	67.9	57.9	50.7	45.8	43.0	41.8	40.6	40.6
35°	1010.0	658.6	86.4	62.3	53.1	45.8	41.4	39.4	39.0	37.8	37.8
37.5°	1065.9	650.1	73.6	57.1	47.8	41.4	37.8	36.6	36.2	35.4	35.0
40°	1129.4	631.2	67.1	53.1	43.4	37.8	34.6	33.8	33.4	32.6	32.6
42.5°	1198.9	606.7	63.5	48.6	39.8	34.2	31.8	30.6	30.2	29.4	29.4
45°	1279.8	583.4	61.1	44.2	36.6	31.4	28.9	27.7	27.3	26.5	26.5
47.5°	1389.9	570.1	57.1	40.2	33.0	28.5	26.1	25.3	24.5	23.7	23.7
50°	1541.5	554.4	51.9	36.2	30.2	25.7	24.1	22.9	22.5	21.7	21.7
52.5°	1666.1	521.1	46.6	32.2	26.9	23.7	22.1	21.3	20.5	20.1	20.1
55°	1710.0	482.1	41.4	28.9	24.5	22.1	20.5	19.7	19.3	18.9	18.9
57.5°	1779.9	469.6	36.6	25.7	22.1	20.5	18.9	18.5	18.1	17.7	17.3
60°	1899.3	476.8	32.2	22.9	20.1	18.5	17.3	16.9	16.1	15.3	15.3
62.5°	2015.1	468.0	27.3	20.1	17.3	16.5	15.3	14.5	12.9	11.7	10.9
65°	2043.3	408.9	23.7	16.9	14.5	13.7	12.5	10.9	8.4	6.8	6.8
67.5°	1907.0	310.8	20.5	14.5	12.1	11.3	8.8	7.2	5.2	4.0	4.0
70°	1573.7	197.0	16.9	11.3	10.1	7.6	5.6	5.2	3.6	3.2	2.8
72.5°	1135.4	107.8	14.1	9.2	7.2	4.8	4.0	3.2	2.4	1.6	1.6
75°	574.9	50.7	10.5	7.2	4.8	3.2	2.4	1.6	1.6	1.2	1.2
77.5°	162.8	23.3	6.8	4.8	3.2	2.0	1.6	1.2	1.2	0.8	0.8
80°	32.2	11.7	4.4	3.2	2.4	1.6	1.2	0.8	0.8	0.4	0.4
82.5°	11.7	6.0	3.2	2.4	2.0	1.6	0.8	0.4	0.4	0.0	0.0
85°	6.0	3.2	2.4	2.0	1.6	1.2	0.8	0.4	0.0	0.0	0.0
87.5°	3.2	2.4	2.0	2.0	1.6	1.2	0.8	0.4	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)