

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: P674520

Luminaire Tested: **CCP-SA-2A-722-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674520
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-722-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

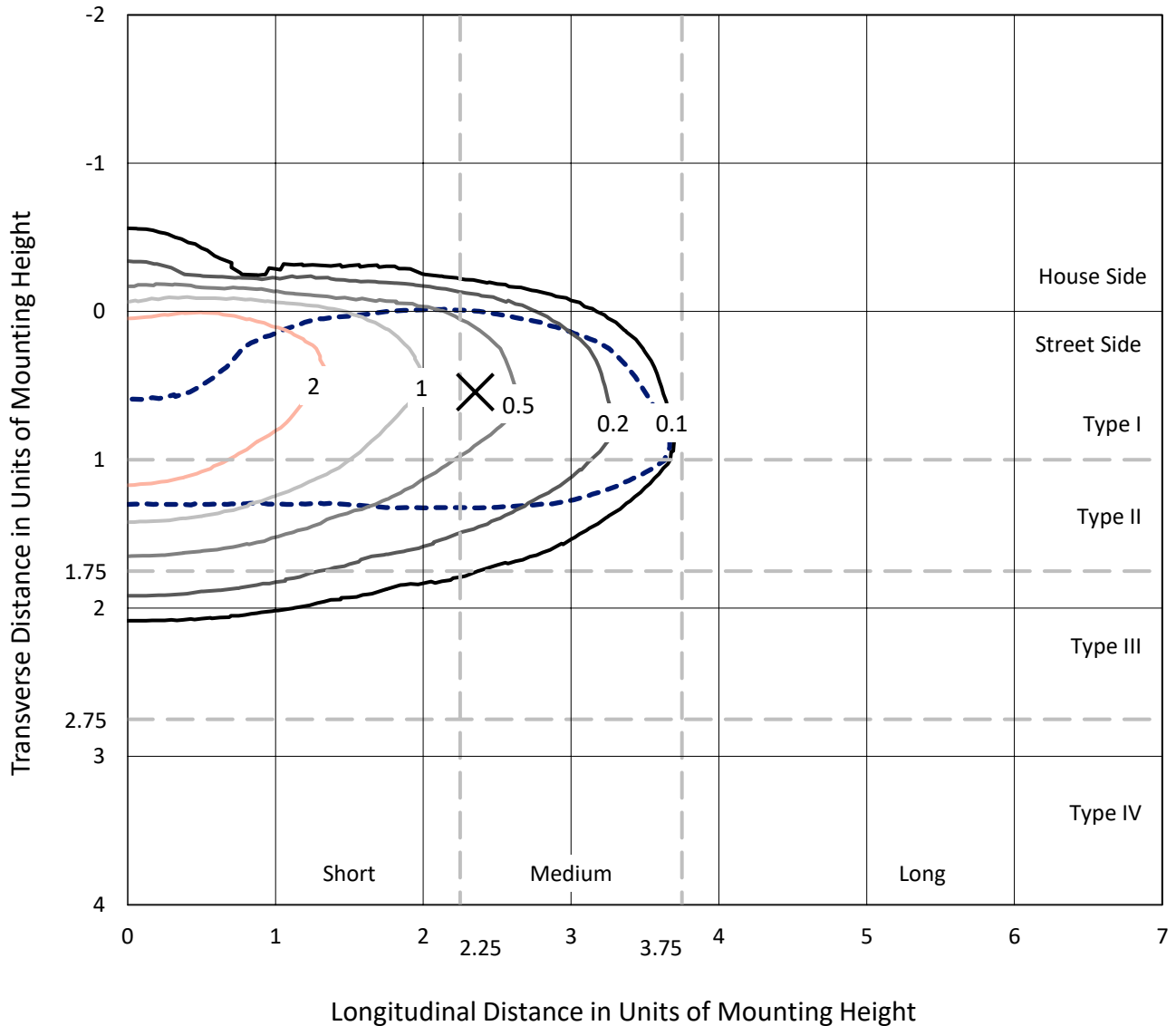
Lumens per Lamp: N/A
Luminaire Lumens: 3263.4 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

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

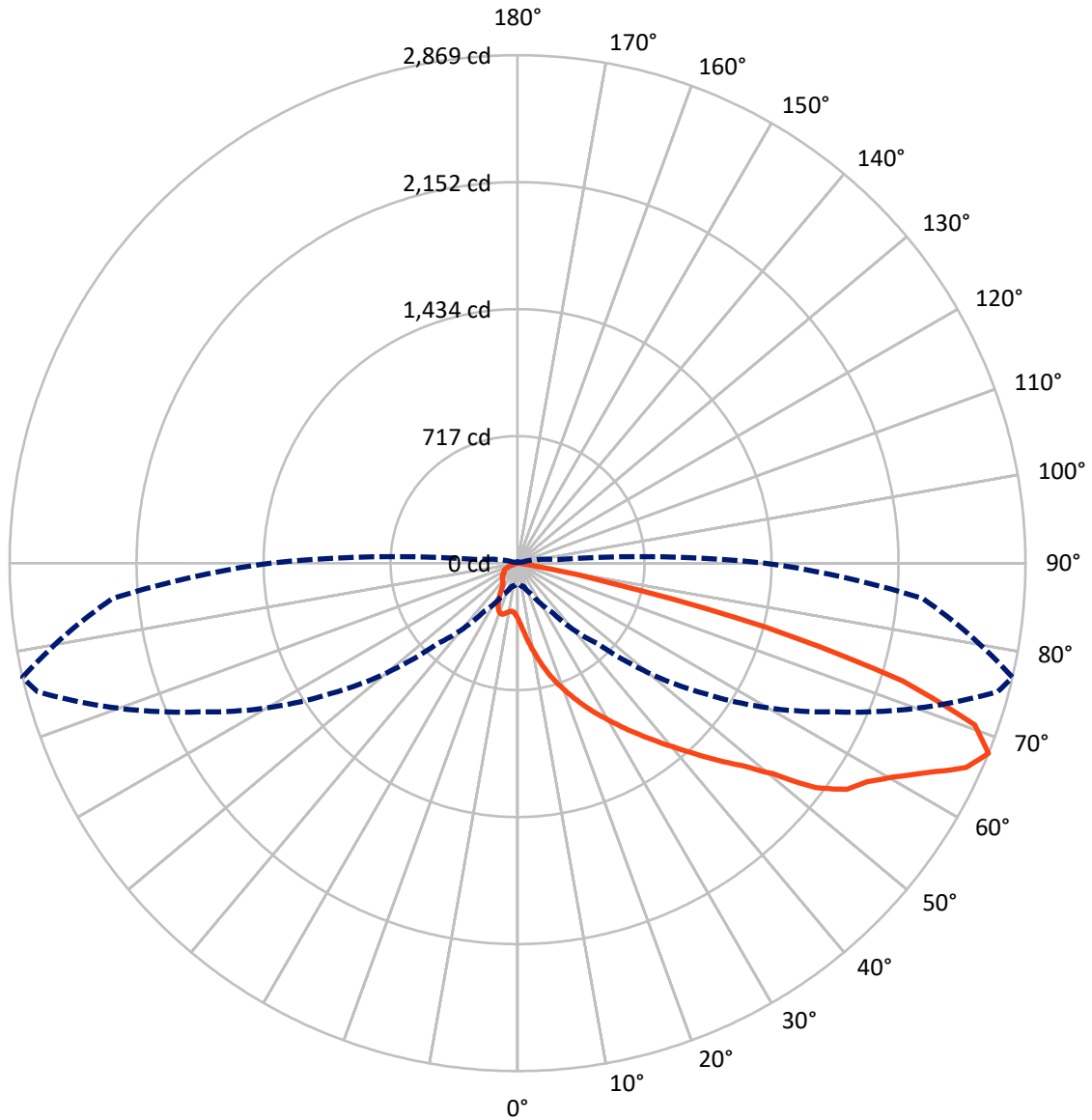
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 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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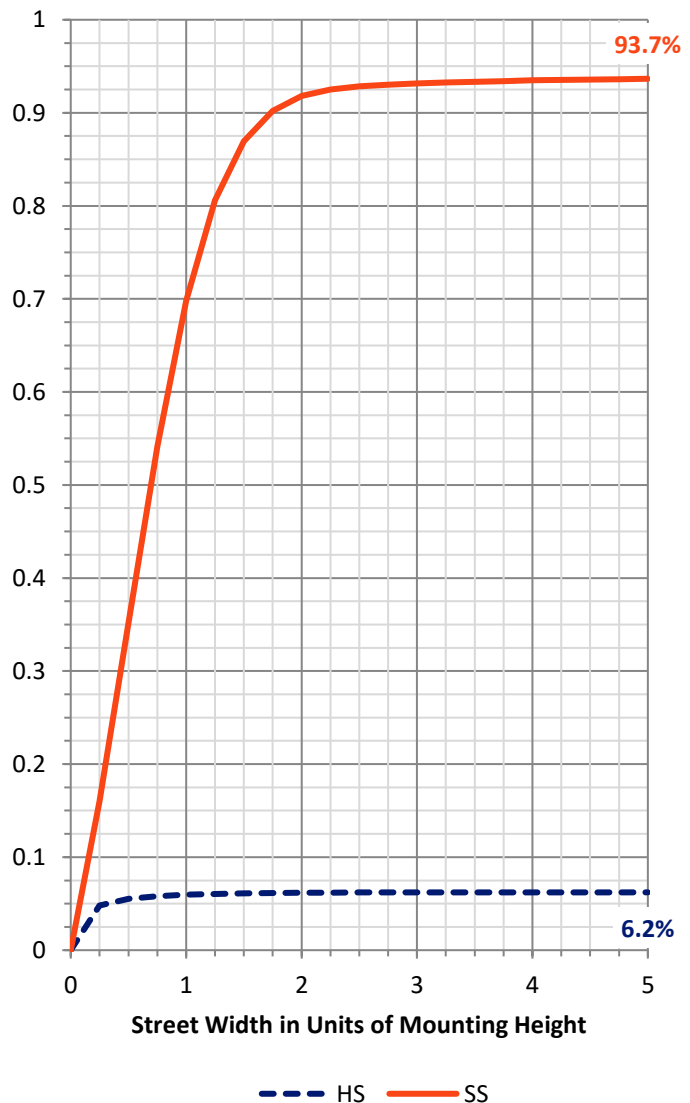
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	203.9	0.0	203.9
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	3059.5	0.0	3059.5
	% Fixture	93.8	0.0	93.8
Total	Lumens	3263.4	0.0	3263.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.7	1.1
10°-20°	135.8	4.2
20°-30°	265.4	8.1
30°-40°	464.0	14.2
40°-50°	676.7	20.7
50°-60°	791.3	24.2
60°-70°	641.5	19.7
70°-80°	241.0	7.4
80°-90°	11.0	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°	3263.4	100.0
0°-180°	3263.4	100.0



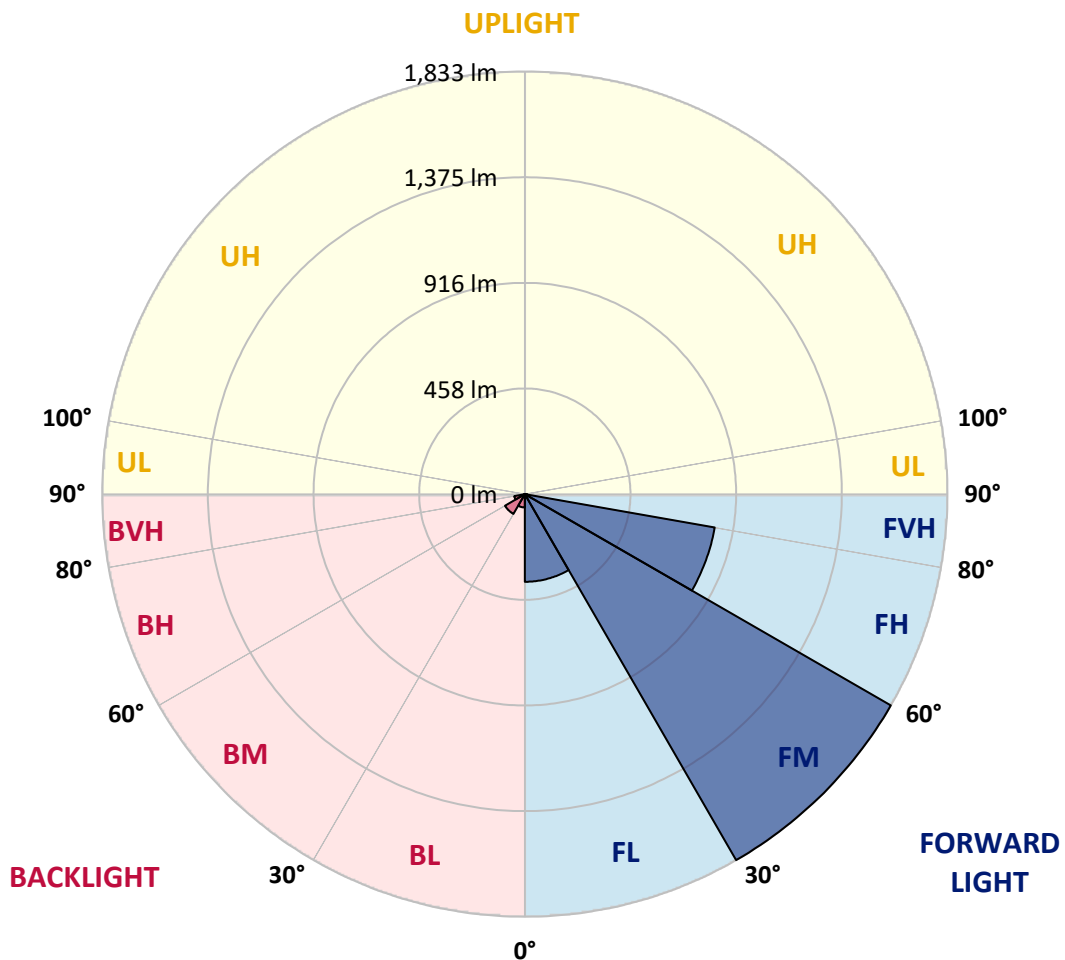
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	380.2	11.6			
FM (30°-60°)	1832.8	56.2			
FH (60°-80°)	836.2	25.6			G1/1800
FVH (80°-90°)	10.3	0.3			G1/100
BL (0°-30°)	57.8	1.8	B0/110		
BM (30°-60°)	99.2	3.0	B0/220		
BH (60°-80°)	46.3	1.4	B0/110		G0/110
BVH (80°-90°)	0.6	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°	312.6	312.6	312.6	312.6	312.6	312.6	312.6	312.6	312.6	312.6	312.6
2.5°	469.3	452.2	455.5	448.4	439.3	418.0	395.7	373.3	353.2	348.8	328.8
5°	601.0	595.7	590.1	585.4	566.2	539.7	499.4	448.1	401.8	393.9	352.3
7.5°	703.2	695.3	700.3	685.8	665.8	640.2	588.9	534.1	462.8	451.0	386.5
10°	778.6	774.2	776.6	769.8	760.1	734.4	683.8	615.1	532.6	510.3	424.8
12.5°	835.2	836.1	846.4	847.0	839.0	818.1	764.5	692.9	596.0	576.0	467.2
15°	876.4	877.3	890.0	903.6	912.7	901.8	853.2	773.0	670.5	643.1	511.7
17.5°	883.2	883.8	906.2	933.6	961.9	971.3	933.9	852.6	738.6	707.3	562.7
20°	887.6	892.7	912.7	944.2	989.0	1018.2	997.8	928.9	804.6	768.3	612.8
22.5°	941.3	941.3	953.0	975.4	1011.1	1056.7	1052.6	999.0	868.8	832.8	662.6
25°	1055.0	1055.0	1043.5	1037.6	1056.7	1092.7	1103.0	1073.8	942.1	899.7	715.0
27.5°	1205.5	1205.5	1187.5	1144.2	1127.7	1142.8	1153.7	1138.9	1009.9	968.1	770.4
30°	1361.7	1367.0	1335.7	1280.6	1222.9	1211.4	1200.8	1197.6	1082.1	1034.9	826.7
32.5°	1518.4	1517.8	1478.9	1410.3	1334.9	1294.2	1259.7	1255.9	1158.7	1112.4	880.0
35°	1643.6	1643.9	1602.9	1532.5	1445.3	1393.5	1338.1	1320.1	1242.6	1191.1	943.6
37.5°	1752.0	1745.8	1701.6	1634.8	1553.4	1499.8	1430.9	1384.0	1329.5	1277.1	1007.3
40°	1814.2	1805.9	1762.9	1699.3	1637.7	1596.8	1536.1	1461.2	1425.0	1368.4	1079.7
42.5°	1823.3	1816.2	1787.7	1749.4	1699.0	1663.0	1646.8	1548.4	1525.2	1473.9	1166.3
45°	1797.7	1786.2	1776.8	1756.7	1742.6	1725.2	1747.3	1641.2	1640.1	1589.1	1252.1
47.5°	1734.0	1718.4	1720.8	1742.9	1758.8	1774.4	1843.3	1762.9	1755.8	1708.1	1364.6
50°	1625.3	1617.7	1643.6	1687.2	1750.2	1812.7	1939.1	1887.2	1915.2	1870.4	1519.9
52.5°	1404.4	1413.8	1491.3	1596.2	1705.2	1830.7	2028.9	2072.8	2144.4	2107.6	1676.0
55°	1139.2	1135.7	1239.1	1425.3	1599.4	1819.2	2068.1	2182.1	2294.7	2256.1	1762.9
57.5°	917.7	923.9	993.7	1177.8	1420.0	1730.5	2077.3	2239.3	2355.1	2329.4	1843.3
60°	688.8	694.7	758.3	918.6	1181.4	1545.5	2001.8	2259.3	2468.5	2449.0	1971.8
62.5°	438.4	446.0	510.0	665.8	903.0	1258.0	1832.4	2238.4	2586.9	2603.1	2147.1
65°	215.7	222.4	269.6	388.9	603.6	940.7	1596.2	2158.6	2737.8	2784.0	2287.6
67.5°	119.3	122.6	138.8	198.0	336.7	645.2	1282.7	1988.0	2807.0	2868.9	2297.0
70°	92.8	93.7	99.9	115.5	164.1	378.6	912.4	1704.0	2663.5	2738.3	2105.8
72.5°	78.1	79.2	82.2	87.5	102.5	197.1	573.3	1316.9	2241.1	2274.9	1629.2
75°	57.2	58.9	67.2	71.9	81.0	119.6	252.8	791.3	1481.0	1447.7	911.5
77.5°	48.0	49.5	51.6	58.3	66.9	81.6	88.7	331.7	602.8	524.1	239.2
80°	32.7	34.5	40.1	43.6	56.6	53.9	36.8	89.0	121.1	98.7	46.0
82.5°	23.3	24.7	27.7	35.6	40.9	28.6	20.0	27.1	29.2	27.7	15.0
85°	7.4	9.4	20.0	29.5	22.1	9.7	12.7	10.3	9.1	8.8	5.9
87.5°	1.5	1.5	10.0	11.8	8.8	5.0	4.4	3.2	4.1	4.1	3.2
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°	312.6	312.6	312.6	312.6	312.6	312.6	312.6	312.6	312.6	312.6	312.6
2.5°	319.4	306.1	286.9	269.0	250.7	237.7	228.6	219.5	215.9	214.5	210.6
5°	333.5	308.2	270.2	239.5	217.1	203.0	194.4	187.1	182.4	180.9	178.8
7.5°	353.8	317.3	262.8	227.4	205.0	189.7	175.9	160.0	147.3	142.3	140.2
10°	375.9	331.1	264.0	225.1	195.3	161.7	130.8	105.2	94.0	89.9	86.9
12.5°	408.3	346.5	269.0	222.4	166.2	115.5	83.7	73.1	70.4	69.8	69.2
15°	440.7	368.0	277.2	204.7	124.0	78.7	69.5	65.7	64.2	62.8	62.8
17.5°	473.4	388.6	280.5	170.3	85.7	68.1	63.3	60.1	57.7	56.6	55.7
20°	510.3	410.4	271.0	128.2	68.6	62.2	56.9	53.0	51.0	49.8	48.9
22.5°	550.0	431.9	250.4	89.3	62.5	56.0	51.0	47.1	45.1	43.9	43.6
25°	587.4	450.4	217.4	67.2	56.3	50.1	45.4	42.1	40.7	39.5	39.2
27.5°	626.0	466.4	174.4	59.2	51.3	45.4	40.7	38.0	36.5	35.6	35.4
30°	663.7	477.3	129.9	54.2	46.8	40.9	36.8	34.8	33.3	32.4	32.1
32.5°	702.6	483.4	87.8	49.8	42.4	37.1	33.6	31.5	30.6	29.8	29.8
35°	740.0	482.6	63.3	45.7	38.9	33.6	30.3	28.9	28.6	27.7	27.7
37.5°	781.0	476.4	53.9	41.8	35.1	30.3	27.7	26.8	26.5	25.9	25.6
40°	827.5	462.5	49.2	38.9	31.8	27.7	25.3	24.7	24.5	23.9	23.9
42.5°	878.5	444.6	46.5	35.6	29.2	25.0	23.3	22.4	22.1	21.5	21.5
45°	937.7	427.5	44.8	32.4	26.8	23.0	21.2	20.3	20.0	19.4	19.4
47.5°	1018.4	417.7	41.8	29.5	24.2	20.9	19.1	18.6	18.0	17.4	17.4
50°	1129.5	406.3	38.0	26.5	22.1	18.9	17.7	16.8	16.5	15.9	15.9
52.5°	1220.8	381.8	34.2	23.6	19.7	17.4	16.2	15.6	15.0	14.7	14.7
55°	1253.0	353.2	30.3	21.2	18.0	16.2	15.0	14.4	14.1	13.8	13.8
57.5°	1304.2	344.1	26.8	18.9	16.2	15.0	13.8	13.6	13.3	13.0	12.7
60°	1391.7	349.4	23.6	16.8	14.7	13.6	12.7	12.4	11.8	11.2	11.2
62.5°	1476.6	342.9	20.0	14.7	12.7	12.1	11.2	10.6	9.4	8.5	8.0
65°	1497.2	299.6	17.4	12.4	10.6	10.0	9.1	8.0	6.2	5.0	5.0
67.5°	1397.3	227.7	15.0	10.6	8.8	8.2	6.5	5.3	3.8	2.9	2.9
70°	1153.1	144.4	12.4	8.2	7.4	5.6	4.1	3.8	2.7	2.4	2.1
72.5°	832.0	79.0	10.3	6.8	5.3	3.5	2.9	2.4	1.8	1.2	1.2
75°	421.3	37.1	7.7	5.3	3.5	2.4	1.8	1.2	1.2	0.9	0.9
77.5°	119.3	17.1	5.0	3.5	2.4	1.5	1.2	0.9	0.9	0.6	0.6
80°	23.6	8.5	3.2	2.4	1.8	1.2	0.9	0.6	0.6	0.3	0.3
82.5°	8.5	4.4	2.4	1.8	1.5	1.2	0.6	0.3	0.3	0.0	0.0
85°	4.4	2.4	1.8	1.5	1.2	0.9	0.6	0.3	0.0	0.0	0.0
87.5°	2.4	1.8	1.5	1.5	1.2	0.9	0.6	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)