

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: P674616

Luminaire Tested: **CCP-SA-1D-835-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674616
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-835-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, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

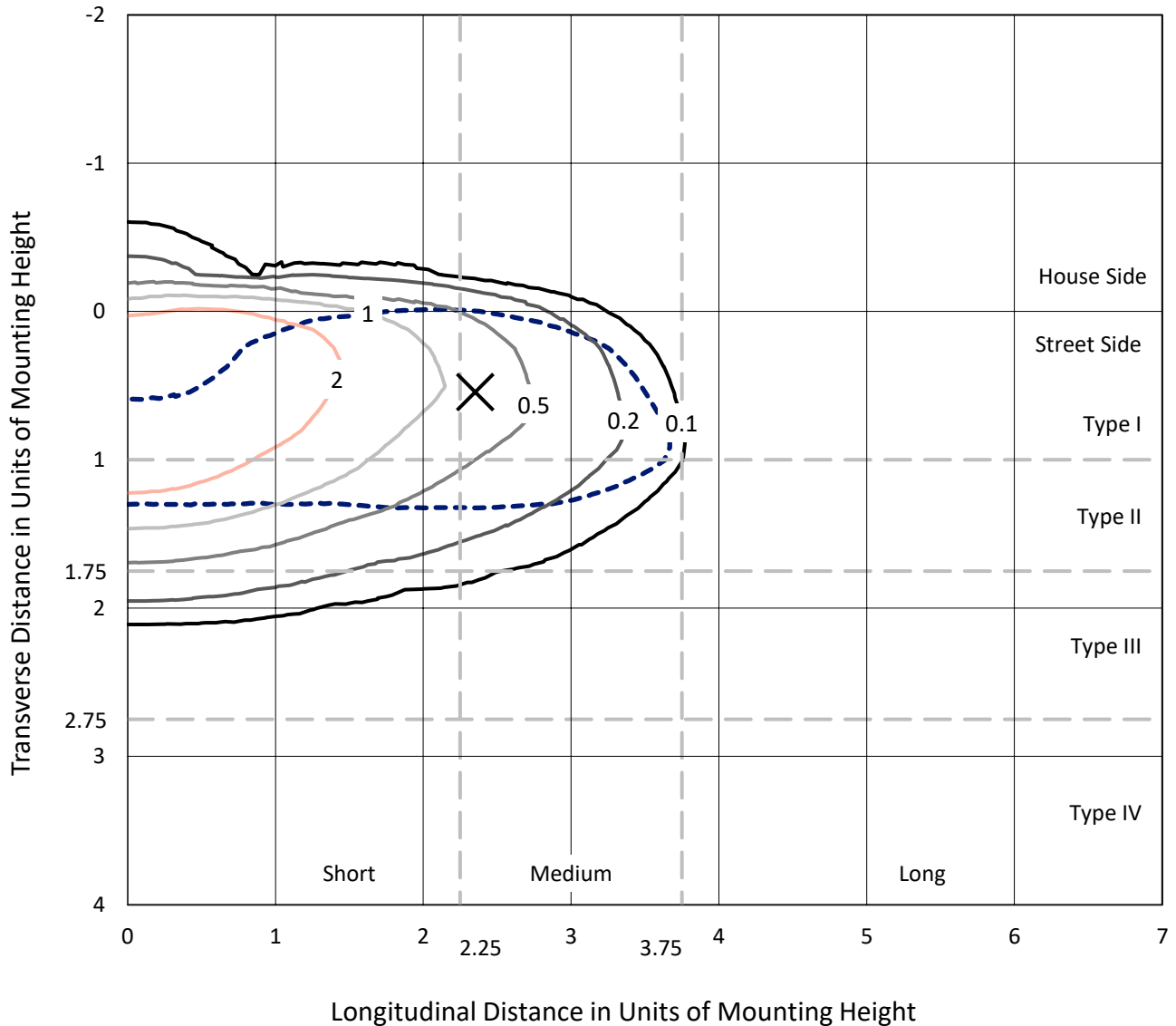
Lumens per Lamp: N/A
Luminaire Lumens: 3720.9 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

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

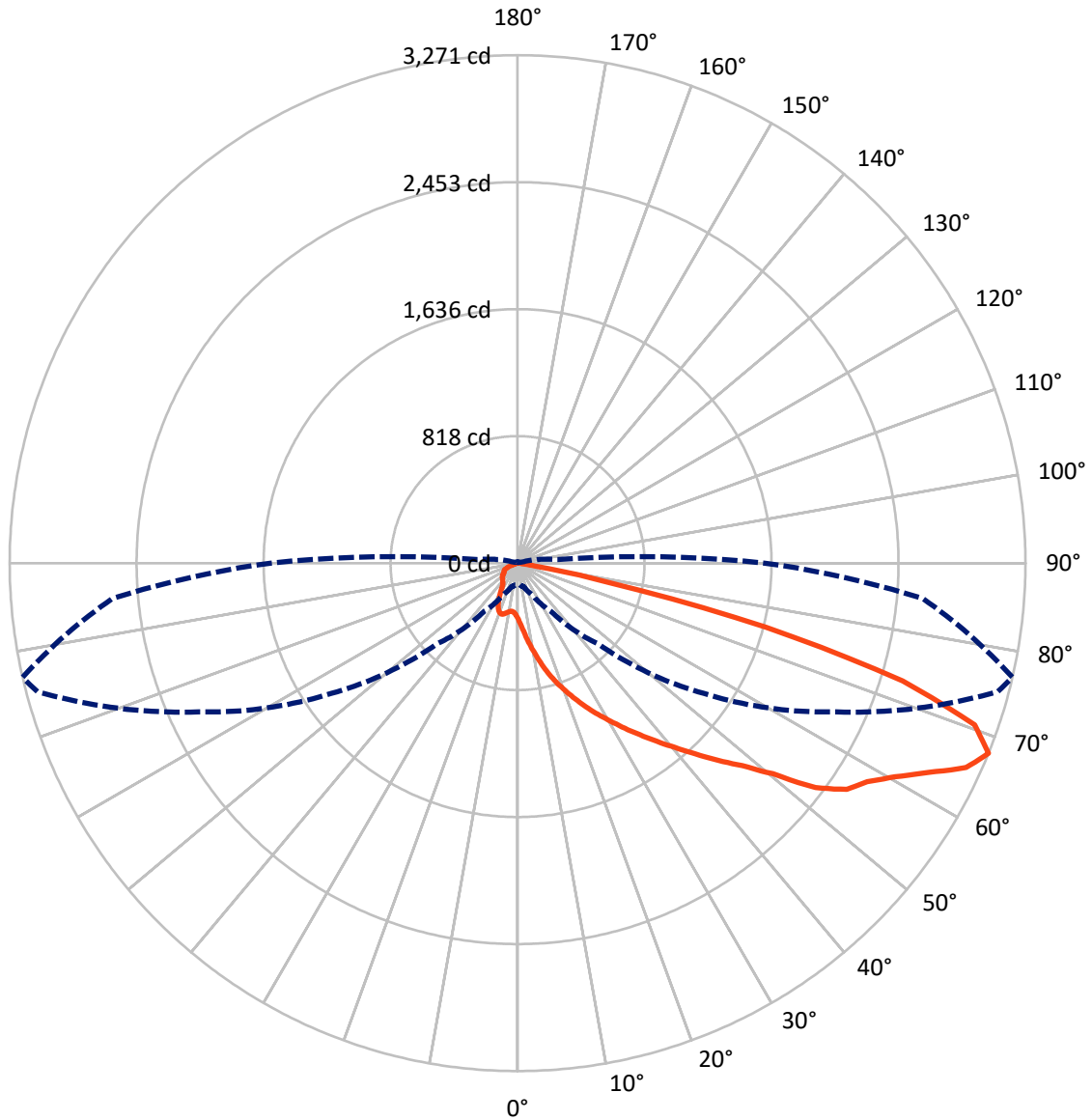
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.6 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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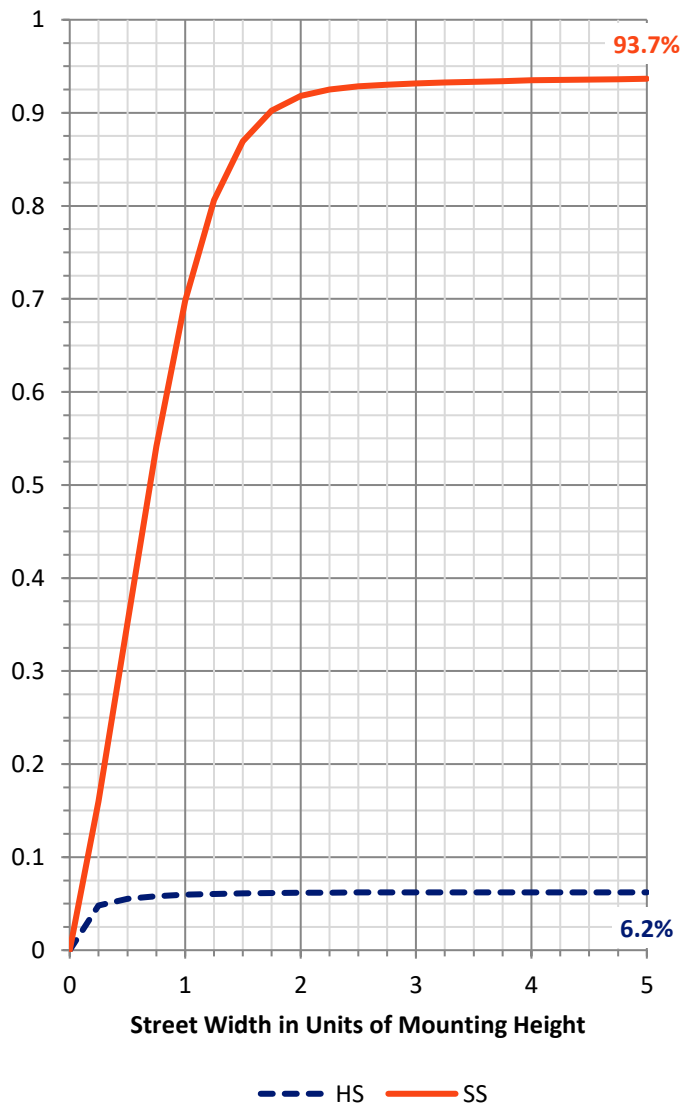
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	232.5	0.0	232.5
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	3488.4	0.0	3488.4
	% Fixture	93.8	0.0	93.8
Total	Lumens	3720.9	0.0	3720.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.9	1.1
10°-20°	154.9	4.2
20°-30°	302.6	8.1
30°-40°	529.1	14.2
40°-50°	771.6	20.7
50°-60°	902.2	24.2
60°-70°	731.4	19.7
70°-80°	274.8	7.4
80°-90°	12.5	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°	3720.9	100.0
0°-180°	3720.9	100.0

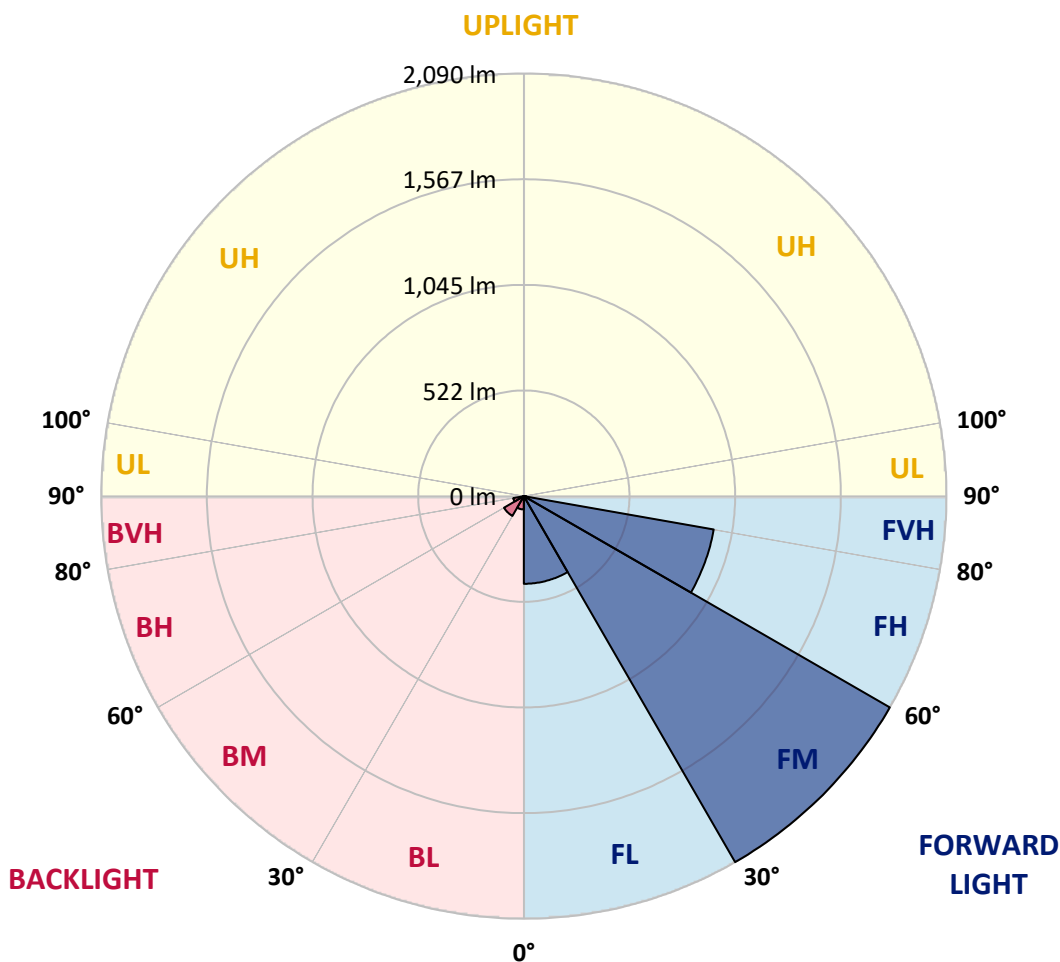


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	433.4	11.6			
FM (30°-60°)	2089.7	56.2			
FH (60°-80°)	953.4	25.6			G1/1800
FVH (80°-90°)	11.8	0.3			G1/100
BL (0°-30°)	65.9	1.8	B0/110		
BM (30°-60°)	113.1	3.0	B0/220		
BH (60°-80°)	52.7	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°	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4
2.5°	535.1	515.6	519.3	511.2	500.8	476.6	451.1	425.6	402.7	397.7	374.9
5°	685.2	679.2	672.8	667.4	645.6	615.4	569.4	510.9	458.2	449.1	401.7
7.5°	801.8	792.7	798.4	782.0	759.1	729.9	671.5	609.0	527.7	514.3	440.7
10°	887.8	882.7	885.4	877.7	866.6	837.4	779.6	701.4	607.3	581.8	484.4
12.5°	952.3	953.3	965.0	965.7	956.6	932.8	871.7	790.0	679.5	656.7	532.7
15°	999.3	1000.3	1014.8	1030.2	1040.6	1028.2	972.8	881.4	764.5	733.3	583.5
17.5°	1007.0	1007.7	1033.2	1064.5	1096.7	1107.5	1064.8	972.1	842.1	806.5	641.6
20°	1012.1	1017.8	1040.6	1076.6	1127.6	1160.9	1137.7	1059.1	917.3	876.0	698.7
22.5°	1073.2	1073.2	1086.6	1112.2	1152.8	1204.9	1200.2	1139.0	990.6	949.6	755.4
25°	1202.9	1202.9	1189.8	1183.0	1204.9	1245.9	1257.6	1224.4	1074.2	1025.8	815.2
27.5°	1374.5	1374.5	1354.0	1304.6	1285.8	1303.0	1315.4	1298.6	1151.5	1103.8	878.4
30°	1552.5	1558.6	1523.0	1460.2	1394.3	1381.2	1369.1	1365.4	1233.8	1180.0	942.5
32.5°	1731.2	1730.6	1686.2	1608.0	1522.0	1475.6	1436.3	1431.9	1321.1	1268.4	1003.3
35°	1874.0	1874.3	1827.6	1747.4	1647.9	1588.8	1525.7	1505.2	1416.8	1358.0	1075.9
37.5°	1997.6	1990.5	1940.2	1863.9	1771.2	1710.1	1631.5	1578.1	1515.9	1456.1	1148.4
40°	2068.5	2059.1	2010.0	1937.5	1867.3	1820.6	1751.4	1666.1	1624.7	1560.3	1231.1
42.5°	2078.9	2070.8	2038.2	1994.6	1937.1	1896.2	1877.7	1765.5	1739.0	1680.5	1329.8
45°	2049.7	2036.6	2025.8	2003.0	1986.8	1967.0	1992.2	1871.3	1870.0	1811.8	1427.6
47.5°	1977.1	1959.3	1962.0	1987.2	2005.3	2023.1	2101.7	2010.0	2002.0	1947.5	1555.9
50°	1853.2	1844.4	1874.0	1923.7	1995.6	2066.8	2210.9	2151.8	2183.7	2132.6	1732.9
52.5°	1601.2	1612.0	1700.3	1819.9	1944.2	2087.3	2313.3	2363.4	2445.0	2403.0	1910.9
55°	1298.9	1294.9	1412.8	1625.1	1823.6	2074.2	2358.0	2488.0	2616.3	2572.3	2010.0
57.5°	1046.3	1053.4	1133.0	1342.9	1619.0	1973.1	2368.4	2553.2	2685.2	2656.0	2101.7
60°	785.3	792.1	864.6	1047.3	1347.0	1762.1	2282.4	2576.0	2814.5	2792.3	2248.2
62.5°	499.8	508.6	581.4	759.1	1029.5	1434.3	2089.3	2552.2	2949.5	2968.0	2448.0
65°	245.9	253.6	307.3	443.4	688.3	1072.5	1819.9	2461.1	3121.5	3174.3	2608.3
67.5°	136.0	139.7	158.2	225.7	383.9	735.6	1462.5	2266.7	3200.5	3271.0	2619.0
70°	105.8	106.8	113.9	131.7	187.1	431.6	1040.3	1942.8	3036.9	3122.2	2401.0
72.5°	89.0	90.4	93.7	99.8	116.9	224.7	653.7	1501.5	2555.2	2593.8	1857.5
75°	65.2	67.2	76.6	82.0	92.4	136.4	288.2	902.2	1688.6	1650.6	1039.3
77.5°	54.8	56.4	58.8	66.5	76.2	93.0	101.1	378.2	687.3	597.6	272.8
80°	37.3	39.3	45.7	49.7	64.5	61.5	42.0	101.4	138.1	112.5	52.4
82.5°	26.5	28.2	31.6	40.6	46.7	32.6	22.8	30.9	33.3	31.6	17.1
85°	8.4	10.7	22.8	33.6	25.2	11.1	14.4	11.8	10.4	10.1	6.7
87.5°	1.7	1.7	11.4	13.4	10.1	5.7	5.0	3.7	4.7	4.7	3.7
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°	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4
2.5°	364.1	349.0	327.2	306.7	285.9	271.1	260.7	250.2	246.2	244.5	240.2
5°	380.2	351.4	308.0	273.1	247.6	231.4	221.7	213.3	207.9	206.2	203.9
7.5°	403.4	361.8	299.6	259.3	233.8	216.3	200.5	182.4	167.9	162.2	159.9
10°	428.6	377.6	301.0	256.6	222.7	184.4	149.1	119.9	107.2	102.4	99.1
12.5°	465.6	395.0	306.7	253.6	189.4	131.7	95.4	83.3	80.3	79.6	78.9
15°	502.5	419.5	316.1	233.5	141.4	89.7	79.3	74.9	73.2	71.5	71.5
17.5°	539.8	443.1	319.8	194.2	97.7	77.6	72.2	68.5	65.8	64.5	63.5
20°	581.8	467.9	309.0	146.1	78.3	70.9	64.8	60.5	58.1	56.8	55.8
22.5°	627.1	492.4	285.5	101.8	71.2	63.8	58.1	53.7	51.4	50.0	49.7
25°	669.8	513.6	247.9	76.6	64.2	57.1	51.7	48.0	46.4	45.0	44.7
27.5°	713.8	531.7	198.9	67.5	58.4	51.7	46.4	43.3	41.7	40.6	40.3
30°	756.8	544.2	148.1	61.8	53.4	46.7	42.0	39.6	38.0	36.9	36.6
32.5°	801.1	551.2	100.1	56.8	48.4	42.3	38.3	35.9	34.9	33.9	33.9
35°	843.8	550.2	72.2	52.1	44.3	38.3	34.6	32.9	32.6	31.6	31.6
37.5°	890.5	543.1	61.5	47.7	40.0	34.6	31.6	30.6	30.2	29.6	29.2
40°	943.5	527.4	56.1	44.3	36.3	31.6	28.9	28.2	27.9	27.2	27.2
42.5°	1001.7	506.9	53.1	40.6	33.3	28.6	26.5	25.5	25.2	24.5	24.5
45°	1069.2	487.4	51.1	36.9	30.6	26.2	24.2	23.2	22.8	22.2	22.2
47.5°	1161.2	476.3	47.7	33.6	27.5	23.8	21.8	21.2	20.5	19.8	19.8
50°	1287.8	463.2	43.3	30.2	25.2	21.5	20.2	19.1	18.8	18.1	18.1
52.5°	1392.0	435.3	39.0	26.9	22.5	19.8	18.5	17.8	17.1	16.8	16.8
55°	1428.6	402.7	34.6	24.2	20.5	18.5	17.1	16.5	16.1	15.8	15.8
57.5°	1487.0	392.3	30.6	21.5	18.5	17.1	15.8	15.5	15.1	14.8	14.4
60°	1586.8	398.4	26.9	19.1	16.8	15.5	14.4	14.1	13.4	12.8	12.8
62.5°	1683.5	391.0	22.8	16.8	14.4	13.8	12.8	12.1	10.7	9.7	9.1
65°	1707.0	341.6	19.8	14.1	12.1	11.4	10.4	9.1	7.1	5.7	5.7
67.5°	1593.2	259.7	17.1	12.1	10.1	9.4	7.4	6.0	4.4	3.4	3.4
70°	1314.7	164.6	14.1	9.4	8.4	6.4	4.7	4.4	3.0	2.7	2.4
72.5°	948.6	90.0	11.8	7.7	6.0	4.0	3.4	2.7	2.0	1.3	1.3
75°	480.3	42.3	8.7	6.0	4.0	2.7	2.0	1.3	1.3	1.0	1.0
77.5°	136.0	19.5	5.7	4.0	2.7	1.7	1.3	1.0	1.0	0.7	0.7
80°	26.9	9.7	3.7	2.7	2.0	1.3	1.0	0.7	0.7	0.3	0.3
82.5°	9.7	5.0	2.7	2.0	1.7	1.3	0.7	0.3	0.3	0.0	0.0
85°	5.0	2.7	2.0	1.7	1.3	1.0	0.7	0.3	0.0	0.0	0.0
87.5°	2.7	2.0	1.7	1.7	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)