

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: P672156

Luminaire Tested: **CCP-SA-1C-830-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672156
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-830-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2R distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

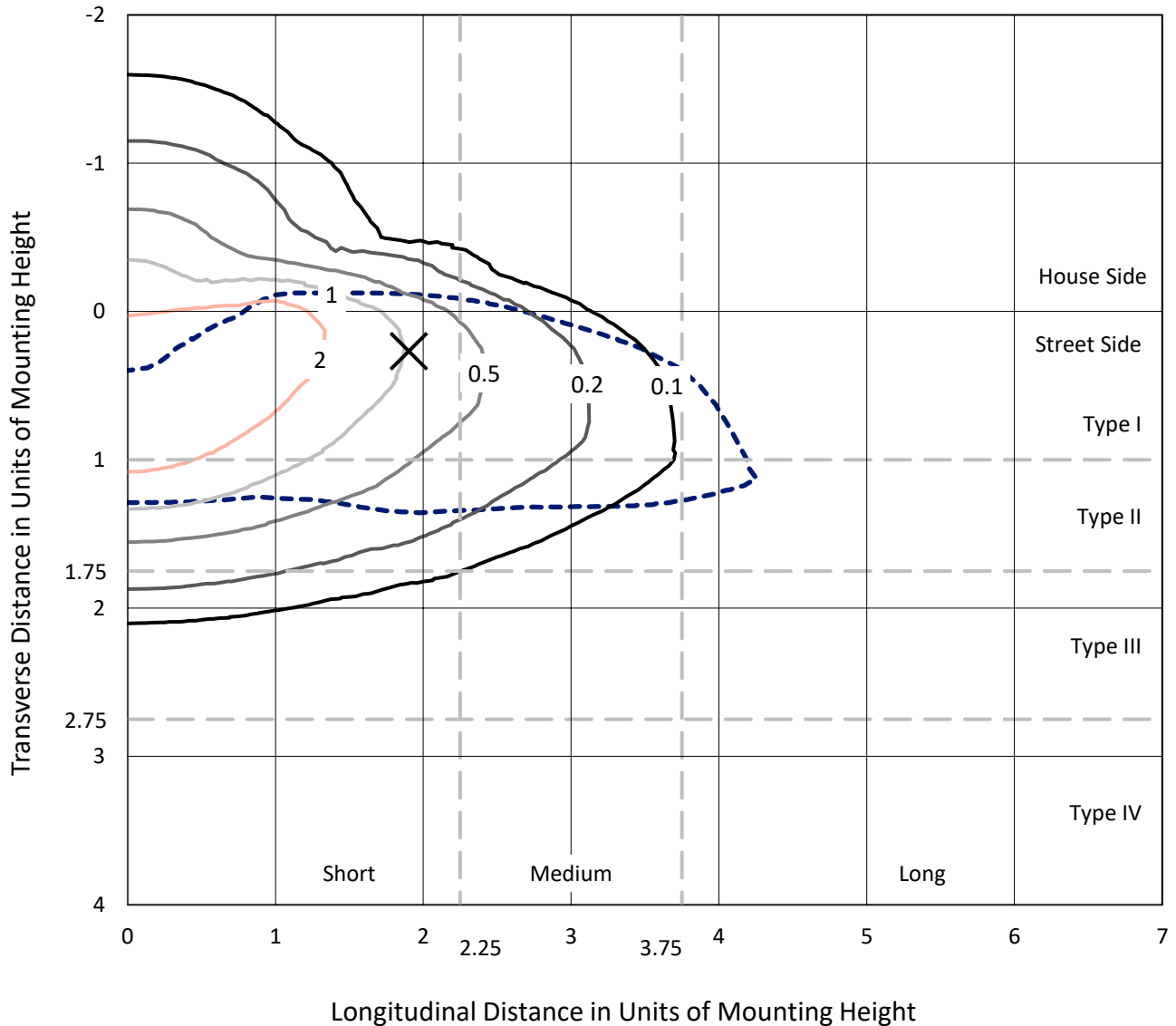
Lumens per Lamp: N/A
Luminaire Lumens: 3649.2 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

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Iso-Footcandle Lines of Horizontal Illumination

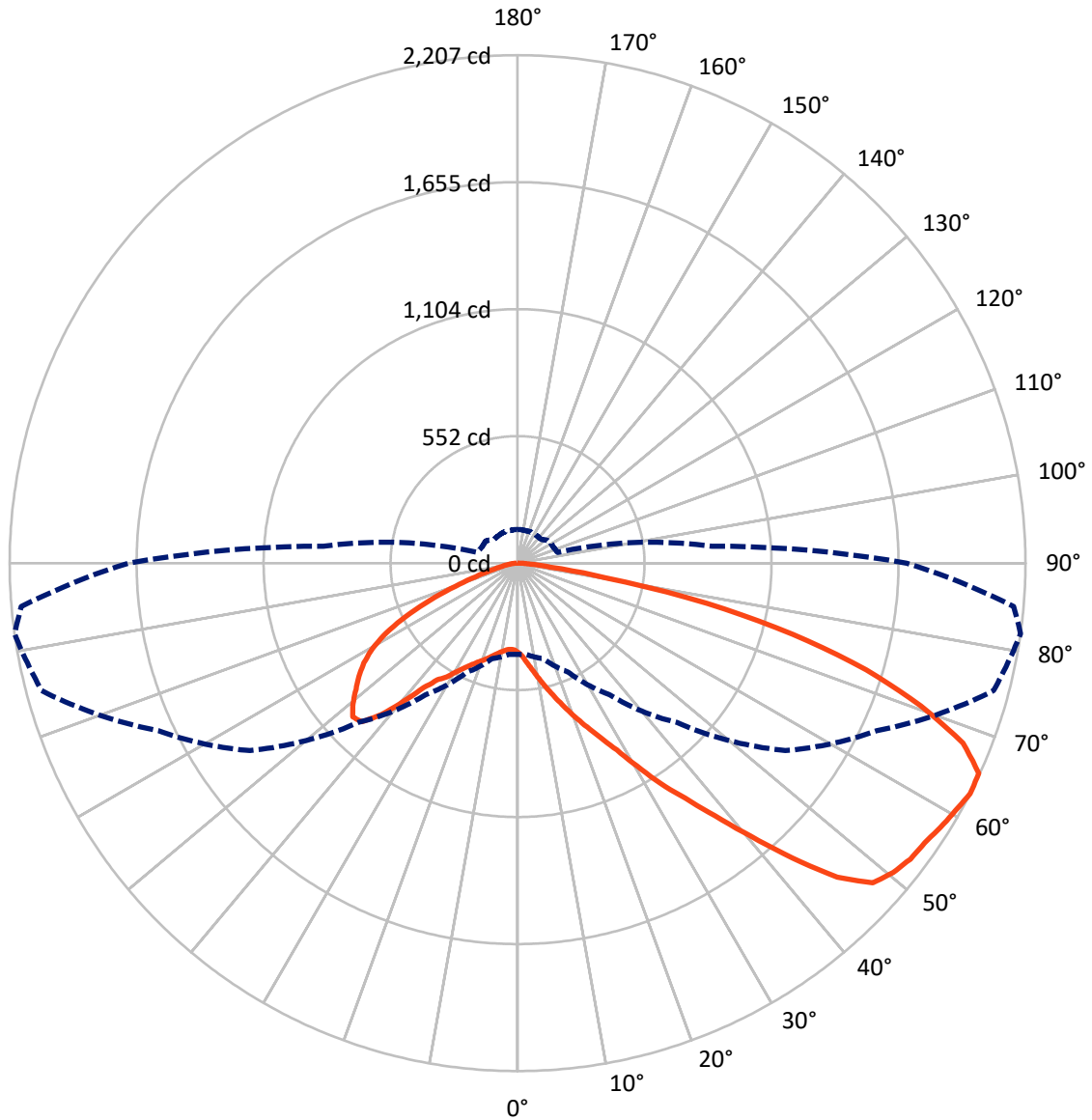
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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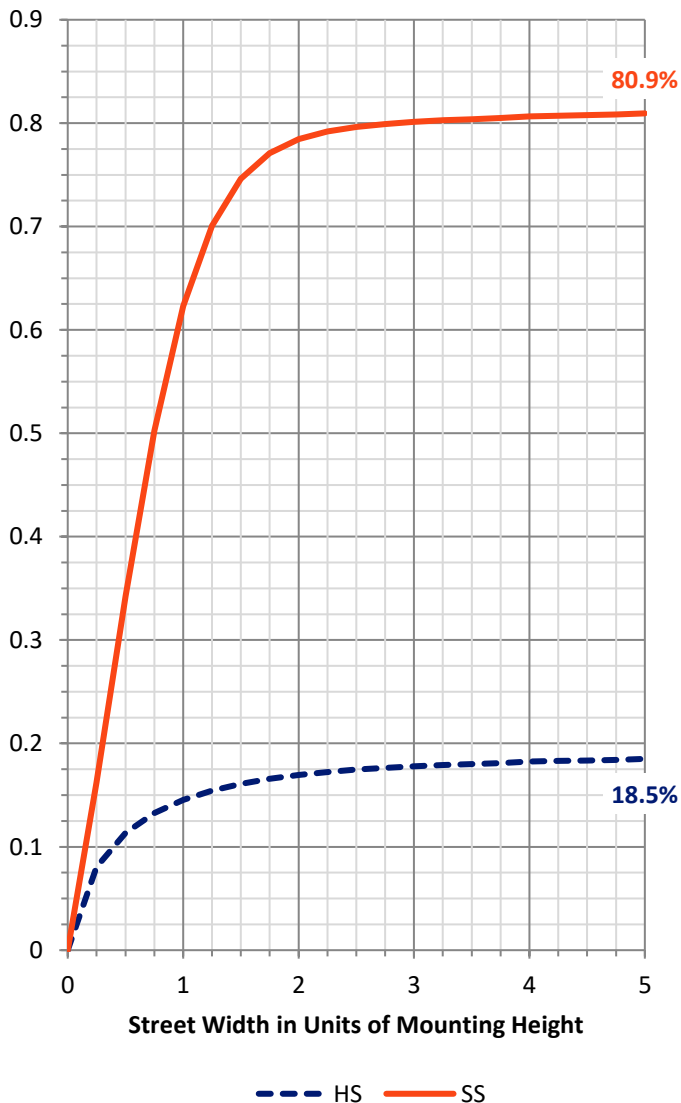
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	687.5	0.0	687.5
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	2961.7	0.0	2961.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	3649.2	0.0	3649.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.9	1.2
10°-20°	162.0	4.4
20°-30°	335.4	9.2
30°-40°	569.3	15.6
40°-50°	775.3	21.2
50°-60°	784.8	21.5
60°-70°	618.5	16.9
70°-80°	304.7	8.3
80°-90°	56.4	1.5
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°	3649.2	100.0
0°-180°	3649.2	100.0

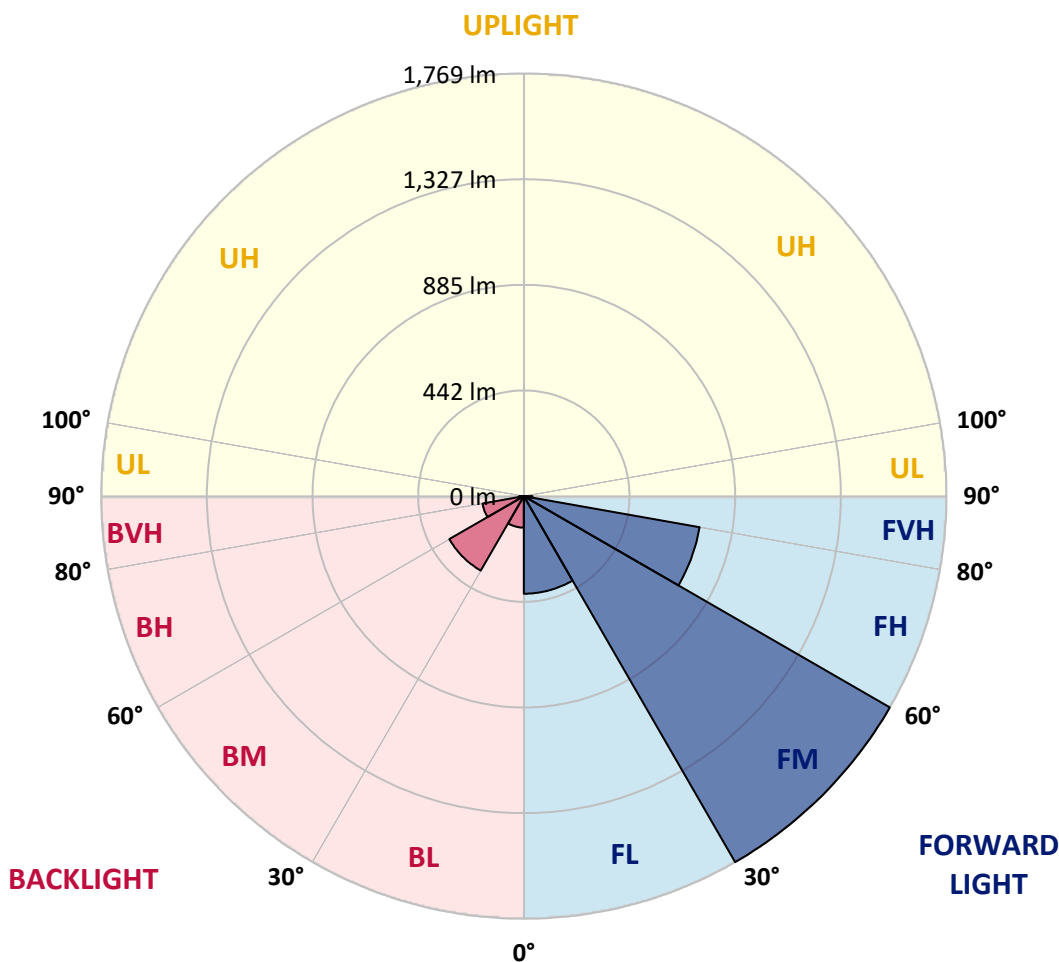


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	408.4	11.2			
FM (30°-60°)	1769.3	48.5			
FH (60°-80°)	747.4	20.5			G1/1800
FVH (80°-90°)	36.6	1.0			G1/100
BL (0°-30°)	131.9	3.6	B1/500		
BM (30°-60°)	360.1	9.9	B1/1000		
BH (60°-80°)	175.7	4.8	B1/500		G1/500
BVH (80°-90°)	19.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	388.1	388.1	388.1	388.1	388.1	388.1	388.1	388.1	388.1	388.1	388.1
2.5°	516.8	508.9	504.7	500.0	486.9	478.5	462.7	444.3	423.0	404.9	401.5
5°	625.9	618.0	619.0	607.5	588.3	570.4	541.0	506.3	465.8	434.8	424.1
7.5°	702.8	694.2	696.3	691.5	676.0	656.3	619.0	574.4	515.2	469.3	451.9
10°	754.3	755.4	757.0	755.1	745.1	731.2	694.2	644.8	571.2	510.0	486.3
12.5°	812.7	815.6	815.0	815.8	810.6	799.5	763.3	716.8	630.8	553.9	523.1
15°	887.0	884.1	886.5	889.9	884.1	872.0	840.0	784.8	693.4	602.7	564.6
17.5°	968.5	962.4	968.7	965.3	961.1	953.2	918.0	859.2	758.0	655.5	610.9
20°	1038.9	1034.9	1038.4	1038.9	1039.7	1038.1	1001.8	939.3	825.8	713.1	660.8
22.5°	1118.0	1116.1	1115.6	1115.9	1116.7	1118.5	1093.8	1027.1	900.9	773.5	714.7
25°	1228.6	1226.7	1214.7	1201.3	1193.4	1199.2	1186.3	1126.6	984.0	841.3	773.8
27.5°	1352.6	1349.7	1333.7	1299.8	1274.6	1278.8	1277.5	1236.5	1079.6	919.1	844.7
30°	1481.3	1474.2	1452.2	1404.6	1364.9	1357.6	1361.3	1347.6	1199.9	1022.3	943.5
32.5°	1596.2	1583.0	1553.9	1505.8	1458.5	1437.2	1437.7	1443.8	1330.8	1142.7	1047.0
35°	1666.3	1657.6	1635.8	1587.2	1534.4	1520.2	1516.3	1546.5	1450.9	1254.1	1139.8
37.5°	1704.1	1695.7	1672.4	1633.2	1593.3	1587.5	1594.8	1641.6	1587.2	1393.1	1265.9
40°	1697.3	1688.4	1673.1	1645.8	1619.5	1624.0	1656.6	1728.8	1736.2	1559.4	1445.6
42.5°	1641.1	1631.6	1630.3	1628.5	1616.1	1635.8	1694.7	1792.7	1873.1	1751.4	1663.2
45°	1541.8	1536.0	1542.8	1574.4	1589.9	1628.0	1712.6	1823.7	1993.4	1946.7	1868.9
47.5°	1415.9	1412.5	1428.0	1477.9	1528.1	1603.8	1724.4	1832.1	2076.2	2076.2	2003.7
50°	1275.1	1273.8	1294.3	1366.8	1445.3	1559.4	1723.1	1840.0	2112.4	2114.3	2051.2
52.5°	1078.6	1085.4	1140.0	1235.7	1342.4	1489.7	1704.7	1862.1	2132.9	2137.1	2083.0
55°	852.1	858.6	941.1	1069.9	1206.5	1405.1	1649.8	1855.5	2136.9	2146.3	2101.1
57.5°	680.2	681.6	733.1	886.0	1055.2	1296.9	1586.4	1811.9	2125.3	2166.6	2129.0
60°	532.3	536.5	570.9	692.1	879.7	1157.4	1515.8	1768.8	2131.9	2185.8	2154.2
62.5°	396.5	397.5	429.6	523.4	698.9	979.5	1419.9	1722.8	2141.1	2207.3	2164.5
65°	258.3	258.0	289.0	373.6	522.1	787.4	1269.3	1650.8	2141.9	2202.6	2117.4
67.5°	164.2	165.3	178.7	232.0	349.4	594.3	1064.4	1517.1	2104.6	2088.0	1946.1
70°	133.2	133.5	137.7	151.6	212.8	406.2	800.1	1307.9	1986.6	1859.7	1691.5
72.5°	118.8	119.0	121.1	122.7	141.9	244.1	525.0	1062.0	1776.9	1585.1	1403.3
75°	106.7	106.7	108.0	106.4	116.4	153.2	297.9	798.5	1463.5	1234.4	1060.2
77.5°	93.5	93.3	93.3	92.5	100.6	111.9	149.2	557.3	1054.1	841.8	687.6
80°	79.3	78.8	79.6	79.1	87.0	84.9	87.0	343.9	571.5	386.0	292.7
82.5°	61.7	61.7	64.1	64.6	71.7	61.5	61.2	163.2	217.0	144.2	108.0
85°	32.3	36.3	48.9	51.0	54.1	38.6	44.9	76.2	87.0	55.2	39.4
87.5°	9.7	10.2	30.0	33.6	33.4	19.4	27.6	36.8	40.7	24.4	16.0
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°	388.1	388.1	388.1	388.1	388.1	388.1	388.1	388.1	388.1	388.1	388.1
2.5°	392.8	383.6	364.2	346.8	333.7	321.1	312.4	307.9	302.2	302.9	301.1
5°	404.9	386.0	351.5	323.7	305.0	290.9	282.2	277.7	273.5	271.4	273.0
7.5°	423.0	393.6	345.5	311.9	292.4	280.3	275.6	274.3	273.3	272.5	273.8
10°	446.4	407.0	344.5	307.7	289.8	282.4	280.6	279.8	278.8	277.7	278.5
12.5°	470.3	421.7	348.1	308.7	294.0	288.5	286.1	285.1	282.4	281.1	281.4
15°	500.3	439.6	353.1	312.9	299.5	292.4	289.3	286.4	282.2	280.3	281.1
17.5°	532.3	460.8	360.0	316.9	301.6	293.0	286.7	282.4	278.2	275.6	275.9
20°	568.6	481.9	366.0	318.2	300.6	288.5	280.9	275.9	270.4	267.5	266.7
22.5°	606.1	503.9	370.7	317.1	294.8	280.9	272.2	266.2	259.6	255.1	255.4
25°	651.9	533.9	374.7	313.5	287.2	270.9	261.2	253.5	246.7	242.5	242.8
27.5°	706.8	567.8	379.4	307.7	278.0	260.1	248.8	241.2	234.6	230.7	230.2
30°	780.1	611.9	384.7	300.6	266.4	248.3	237.3	229.4	223.1	219.4	219.4
32.5°	862.6	665.8	388.3	292.2	253.5	235.7	225.7	219.4	214.7	209.7	209.1
35°	934.3	707.6	399.6	285.6	242.2	223.9	217.0	212.6	205.5	200.7	199.9
37.5°	1039.7	781.1	433.0	283.8	228.6	214.7	213.3	204.9	196.8	187.9	187.1
40°	1209.4	908.6	471.9	274.8	214.4	209.7	208.4	197.1	177.9	172.4	171.3
42.5°	1425.4	1062.0	476.1	248.8	204.4	205.5	201.5	179.5	171.0	166.8	165.8
45°	1620.3	1186.5	452.2	222.3	197.1	199.2	191.0	172.9	168.2	164.2	163.2
47.5°	1729.9	1224.9	407.0	202.3	191.5	193.6	174.2	169.7	165.0	161.1	160.0
50°	1760.6	1191.5	354.4	190.8	187.3	188.1	169.7	167.1	162.9	159.7	158.2
52.5°	1766.7	1141.6	305.8	183.9	184.2	177.1	165.8	163.7	161.1	156.1	154.2
55°	1769.3	1096.7	262.2	179.7	182.1	162.9	161.6	160.0	157.9	152.7	151.6
57.5°	1776.1	1039.1	228.1	176.6	179.5	156.3	156.9	155.8	153.2	150.8	150.3
60°	1756.7	959.5	201.8	173.4	175.8	150.8	151.3	151.9	149.5	149.0	148.7
62.5°	1691.5	846.6	179.5	169.2	168.2	145.3	145.3	147.4	145.3	146.1	146.1
65°	1557.3	702.6	159.5	161.3	156.3	139.3	139.0	142.7	139.5	142.9	143.2
67.5°	1328.4	531.8	139.0	149.0	144.0	132.9	134.0	136.9	132.7	139.8	139.8
70°	1051.5	361.8	117.7	131.6	131.4	125.9	129.3	129.0	124.3	134.8	132.9
72.5°	783.2	232.3	95.9	110.4	114.8	118.2	124.5	119.0	114.6	120.6	115.1
75°	547.3	145.6	75.7	87.2	95.6	109.8	118.8	107.7	101.2	99.3	97.7
77.5°	327.6	93.0	59.6	66.5	74.6	99.8	111.4	95.9	85.9	84.9	81.7
80°	151.1	60.7	45.5	49.7	53.1	85.7	101.4	82.0	69.9	68.8	65.2
82.5°	68.3	39.9	33.9	35.5	35.7	68.1	85.7	64.9	53.3	86.4	74.9
85°	31.8	25.7	22.1	21.0	21.3	45.5	62.3	44.7	60.7	47.3	36.0
87.5°	13.7	13.1	11.3	8.9	8.1	9.7	23.9	18.7	26.5	10.5	7.1
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)