

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: P672145

Luminaire Tested: **CCP-SA-1C-827-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672145
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-827-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2R distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

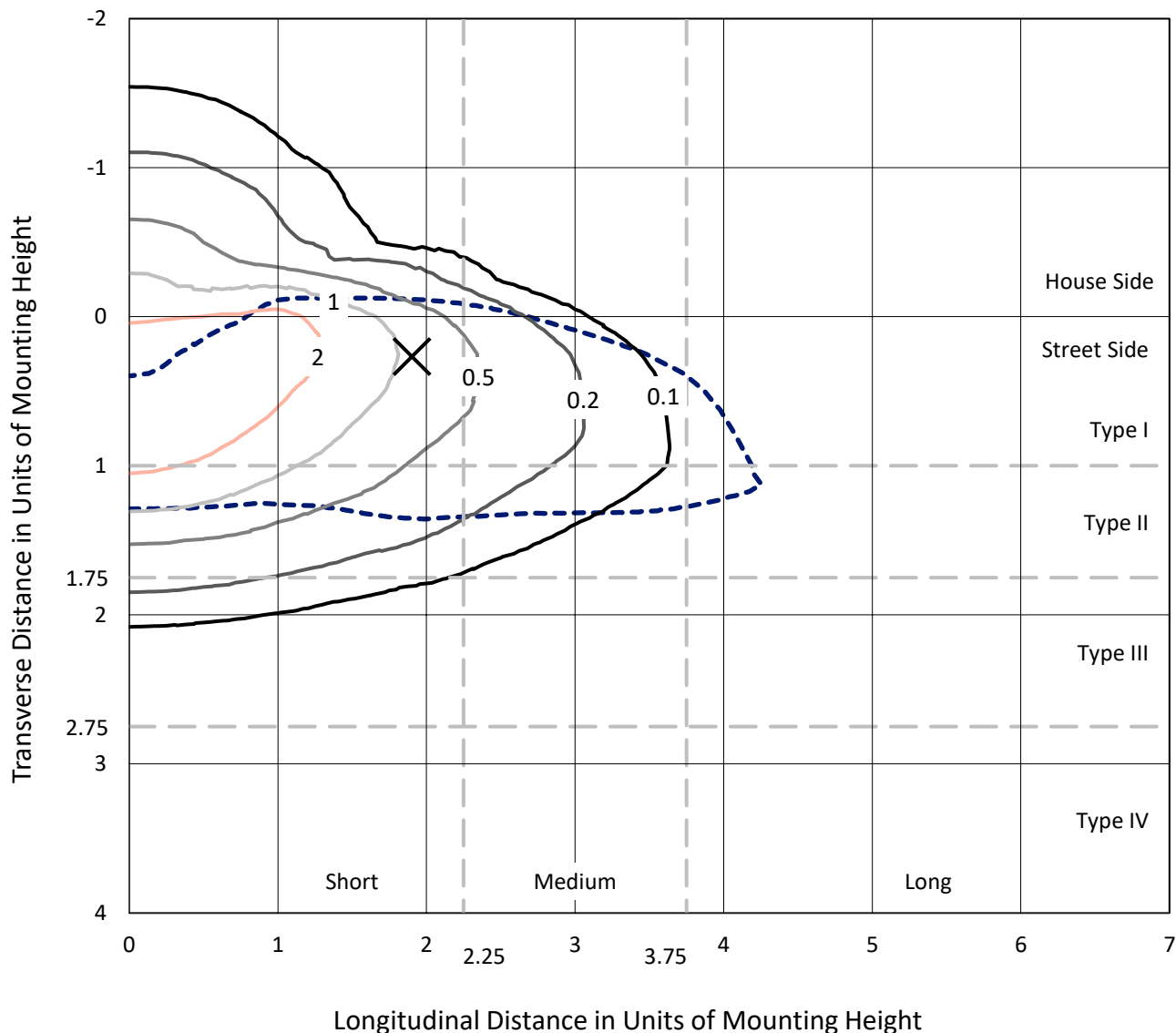
Lumens per Lamp: N/A
Luminaire Lumens: 3376 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

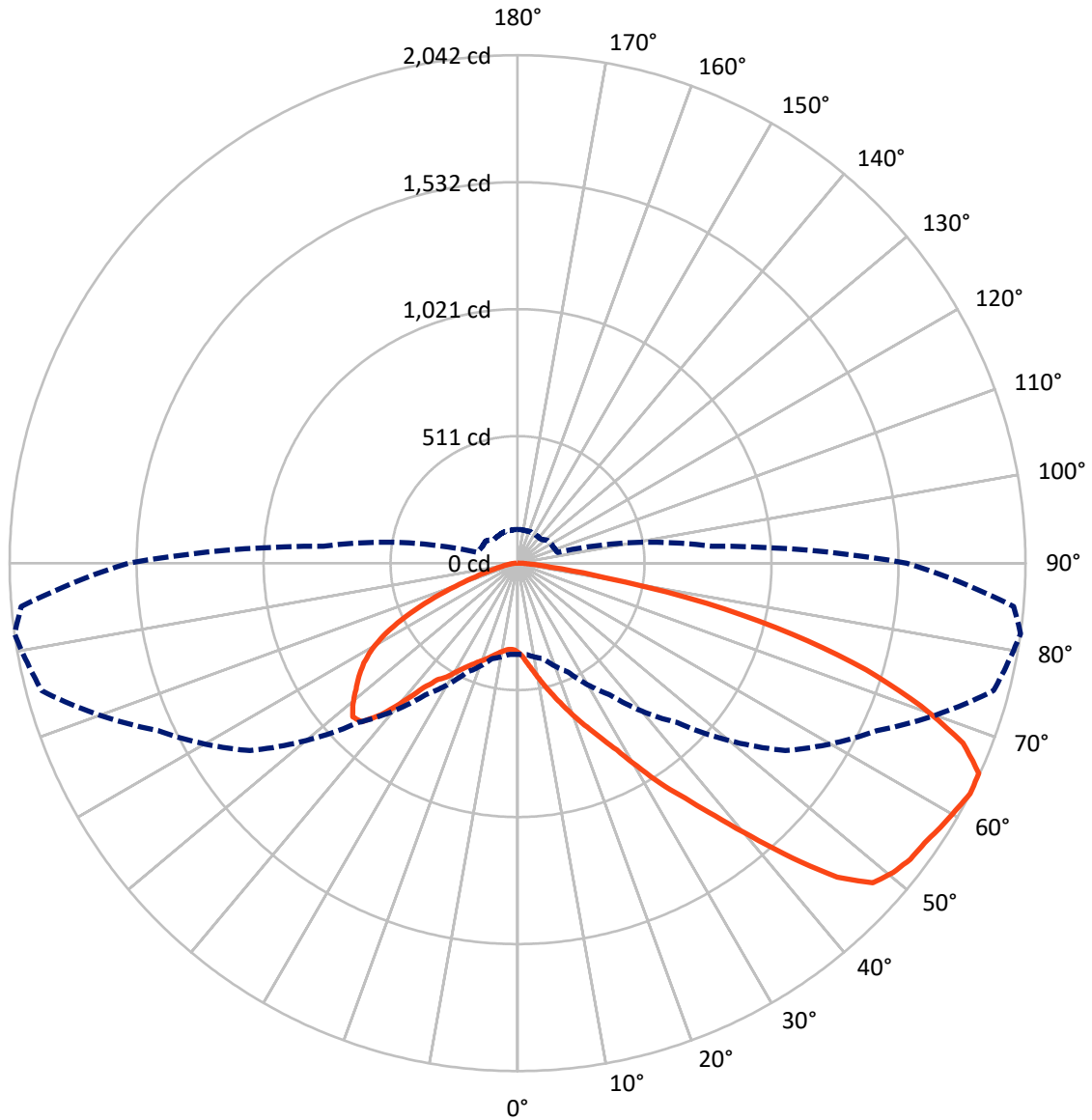
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 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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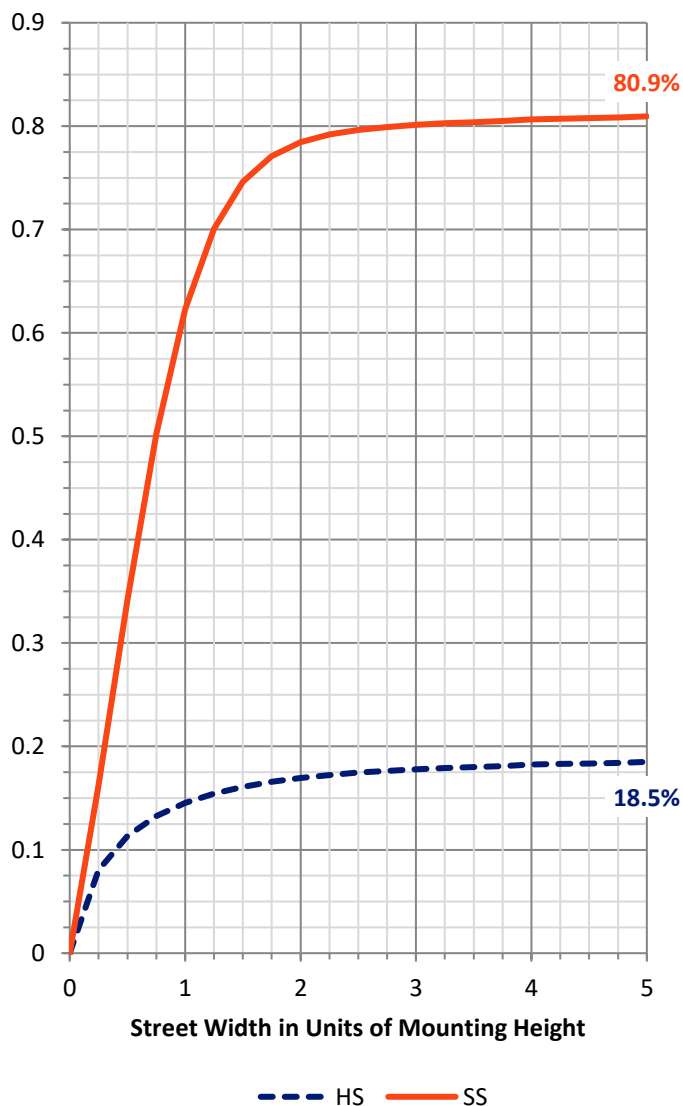
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	636.0	0.0	636.0
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	2740.0	0.0	2740.0
	% Fixture	81.2	0.0	81.2
Total	Lumens	3376.0	0.0	3376.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.7	1.2
10°-20°	149.8	4.4
20°-30°	310.3	9.2
30°-40°	526.7	15.6
40°-50°	717.2	21.2
50°-60°	726.0	21.5
60°-70°	572.2	16.9
70°-80°	281.9	8.3
80°-90°	52.1	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°	3376.0	100.0
0°-180°	3376.0	100.0



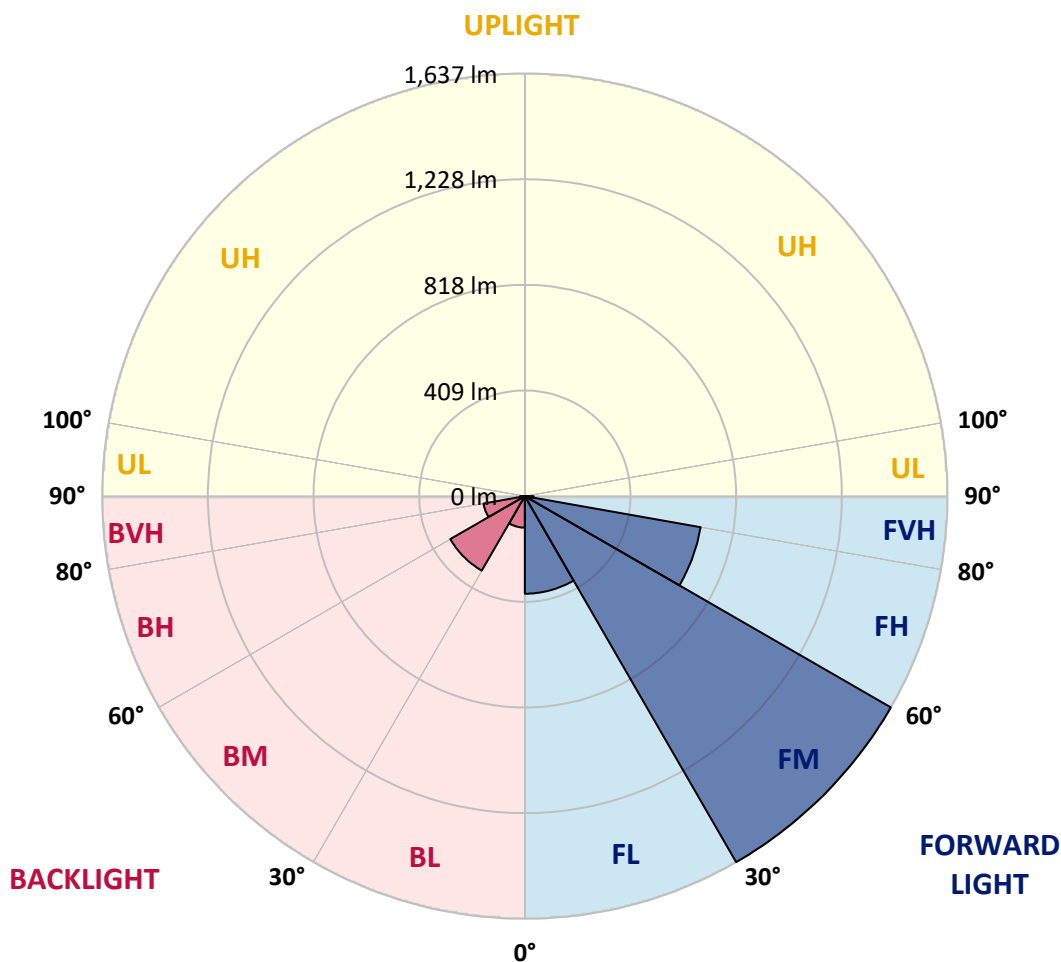
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	377.8	11.2			
FM (30°-60°)	1636.8	48.5			
FH (60°-80°)	691.5	20.5			G1/1800
FVH (80°-90°)	33.9	1.0			G1/100
BL (0°-30°)	122.0	3.6	B1/500		
BM (30°-60°)	333.1	9.9	B1/1000		
BH (60°-80°)	162.6	4.8	B1/500		G1/500
BVH (80°-90°)	18.3	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°	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0
2.5°	478.1	470.8	466.9	462.6	450.4	442.6	428.0	411.0	391.3	374.6	371.4
5°	579.0	571.7	572.7	562.0	544.2	527.7	500.5	468.4	431.0	402.3	392.3
7.5°	650.2	642.2	644.1	639.8	625.4	607.2	572.7	531.3	476.7	434.1	418.1
10°	697.8	698.8	700.3	698.6	689.3	676.5	642.2	596.5	528.4	471.8	449.9
12.5°	751.8	754.5	754.0	754.7	749.9	739.7	706.1	663.1	583.6	512.4	483.9
15°	820.6	817.9	820.1	823.3	817.9	806.7	777.1	726.0	641.5	557.6	522.4
17.5°	895.9	890.4	896.2	893.0	889.1	881.9	849.3	794.8	701.3	606.5	565.1
20°	961.1	957.4	960.6	961.1	961.8	960.4	926.8	869.0	764.0	659.7	611.3
22.5°	1034.3	1032.6	1032.1	1032.3	1033.0	1034.7	1011.9	950.2	833.5	715.6	661.1
25°	1136.6	1134.9	1123.7	1111.3	1104.0	1109.4	1097.5	1042.3	910.3	778.3	715.8
27.5°	1251.3	1248.6	1233.8	1202.5	1179.1	1183.0	1181.8	1143.9	998.8	850.3	781.5
30°	1370.4	1363.9	1343.4	1299.4	1262.7	1255.9	1259.3	1246.7	1110.1	945.8	872.9
32.5°	1476.6	1464.5	1437.5	1393.0	1349.3	1329.6	1330.1	1335.7	1231.1	1057.1	968.6
35°	1541.5	1533.5	1513.3	1468.4	1419.5	1406.4	1402.7	1430.7	1342.2	1160.2	1054.4
37.5°	1576.5	1568.8	1547.1	1510.9	1474.0	1468.6	1475.4	1518.7	1468.4	1288.7	1171.1
40°	1570.2	1562.0	1547.9	1522.6	1498.3	1502.4	1532.5	1599.4	1606.2	1442.6	1337.4
42.5°	1518.2	1509.5	1508.2	1506.5	1495.1	1513.3	1567.8	1658.5	1732.8	1620.3	1538.6
45°	1426.3	1421.0	1427.3	1456.5	1470.8	1506.0	1584.3	1687.1	1844.2	1800.9	1728.9
47.5°	1309.9	1306.7	1321.1	1367.3	1413.7	1483.7	1595.3	1694.9	1920.7	1920.7	1853.6
50°	1179.6	1178.4	1197.4	1264.4	1337.1	1442.6	1594.0	1702.2	1954.3	1956.0	1897.6
52.5°	997.8	1004.1	1054.7	1143.1	1241.8	1378.2	1577.0	1722.6	1973.2	1977.1	1927.0
55°	788.3	794.3	870.7	989.8	1116.2	1299.9	1526.2	1716.5	1976.9	1985.6	1943.8
57.5°	629.3	630.5	678.2	819.6	976.2	1199.8	1467.6	1676.2	1966.2	2004.3	1969.6
60°	492.5	496.3	528.2	640.2	813.8	1070.7	1402.3	1636.3	1972.3	2022.1	1992.9
62.5°	366.8	367.8	397.4	484.2	646.6	906.2	1313.5	1593.8	1980.8	2042.0	2002.4
65°	238.9	238.7	267.4	345.6	483.0	728.5	1174.3	1527.2	1981.5	2037.6	1958.9
67.5°	151.9	152.9	165.3	214.6	323.3	549.8	984.7	1403.5	1947.0	1931.7	1800.4
70°	123.2	123.5	127.4	140.3	196.9	375.8	740.1	1210.0	1837.8	1720.4	1564.9
72.5°	109.9	110.1	112.1	113.5	131.3	225.8	485.6	982.5	1643.9	1466.4	1298.2
75°	98.7	98.7	99.9	98.4	107.7	141.7	275.6	738.7	1353.9	1141.9	980.8
77.5°	86.5	86.3	86.3	85.6	93.1	103.5	138.1	515.5	975.2	778.8	636.1
80°	73.4	72.9	73.6	73.2	80.5	78.5	80.5	318.2	528.7	357.1	270.8
82.5°	57.1	57.1	59.3	59.8	66.4	56.9	56.6	150.9	200.8	133.4	99.9
85°	29.9	33.5	45.2	47.2	50.1	35.7	41.6	70.5	80.5	51.0	36.5
87.5°	9.0	9.5	27.7	31.1	30.9	18.0	25.5	34.0	37.7	22.6	14.8
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°	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0
2.5°	363.4	354.9	336.9	320.8	308.7	297.0	289.0	284.9	279.5	280.3	278.6
5°	374.6	357.1	325.2	299.5	282.2	269.1	261.1	256.9	253.0	251.1	252.5
7.5°	391.3	364.1	319.6	288.5	270.5	259.4	255.0	253.8	252.8	252.1	253.3
10°	413.0	376.5	318.7	284.6	268.1	261.3	259.6	258.9	257.9	256.9	257.7
12.5°	435.1	390.1	322.1	285.6	272.0	266.9	264.7	263.7	261.3	260.1	260.3
15°	462.8	406.7	326.7	289.5	277.1	270.5	267.6	264.9	261.1	259.4	260.1
17.5°	492.5	426.3	333.0	293.1	279.0	271.0	265.2	261.3	257.4	255.0	255.2
20°	526.0	445.8	338.6	294.4	278.1	266.9	259.8	255.2	250.1	247.4	246.7
22.5°	560.8	466.2	343.0	293.4	272.7	259.8	251.8	246.2	240.2	236.0	236.3
25°	603.1	493.9	346.6	290.0	265.7	250.6	241.6	234.6	228.2	224.4	224.6
27.5°	653.9	525.3	351.0	284.6	257.2	240.6	230.2	223.1	217.1	213.4	212.9
30°	721.7	566.1	355.9	278.1	246.5	229.7	219.5	212.2	206.4	203.0	203.0
32.5°	798.0	615.9	359.3	270.3	234.6	218.0	208.8	203.0	198.6	194.0	193.5
35°	864.3	654.6	369.7	264.2	224.1	207.1	200.8	196.6	190.1	185.7	185.0
37.5°	961.8	722.6	400.6	262.5	211.5	198.6	197.4	189.6	182.1	173.8	173.1
40°	1118.8	840.5	436.6	254.2	198.3	194.0	192.8	182.3	164.6	159.5	158.5
42.5°	1318.6	982.5	440.4	230.2	189.1	190.1	186.4	166.0	158.2	154.3	153.4
45°	1499.0	1097.7	418.3	205.6	182.3	184.2	176.7	159.9	155.6	151.9	150.9
47.5°	1600.4	1133.2	376.5	187.2	177.2	179.1	161.2	157.0	152.6	149.0	148.0
50°	1628.8	1102.3	327.9	176.5	173.3	174.0	157.0	154.6	150.7	147.8	146.3
52.5°	1634.4	1056.1	282.9	170.1	170.4	163.8	153.4	151.4	149.0	144.4	142.7
55°	1636.8	1014.6	242.6	166.3	168.4	150.7	149.5	148.0	146.1	141.2	140.3
57.5°	1643.1	961.3	211.0	163.3	166.0	144.6	145.1	144.1	141.7	139.5	139.0
60°	1625.2	887.7	186.7	160.4	162.6	139.5	140.0	140.5	138.3	137.8	137.6
62.5°	1564.9	783.2	166.0	156.5	155.6	134.4	134.4	136.4	134.4	135.1	135.1
65°	1440.7	650.0	147.5	149.2	144.6	128.8	128.6	132.0	129.1	132.2	132.5
67.5°	1229.0	492.0	128.6	137.8	133.2	123.0	124.0	126.6	122.7	129.3	129.3
70°	972.8	334.7	108.9	121.8	121.5	116.4	119.6	119.3	115.0	124.7	123.0
72.5°	724.6	214.9	88.7	102.1	106.2	109.4	115.2	110.1	106.0	111.6	106.5
75°	506.3	134.7	70.0	80.7	88.5	101.6	109.9	99.7	93.6	91.9	90.4
77.5°	303.1	86.0	55.2	61.5	69.0	92.4	103.1	88.7	79.5	78.5	75.6
80°	139.8	56.1	42.1	45.9	49.1	79.2	93.8	75.8	64.7	63.7	60.3
82.5°	63.2	36.9	31.4	32.8	33.1	63.0	79.2	60.0	49.3	80.0	69.3
85°	29.4	23.8	20.4	19.4	19.7	42.1	57.6	41.3	56.1	43.8	33.3
87.5°	12.6	12.2	10.5	8.3	7.5	9.0	22.1	17.3	24.5	9.7	6.6
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)