

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: P672001

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672001
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-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ AFL distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

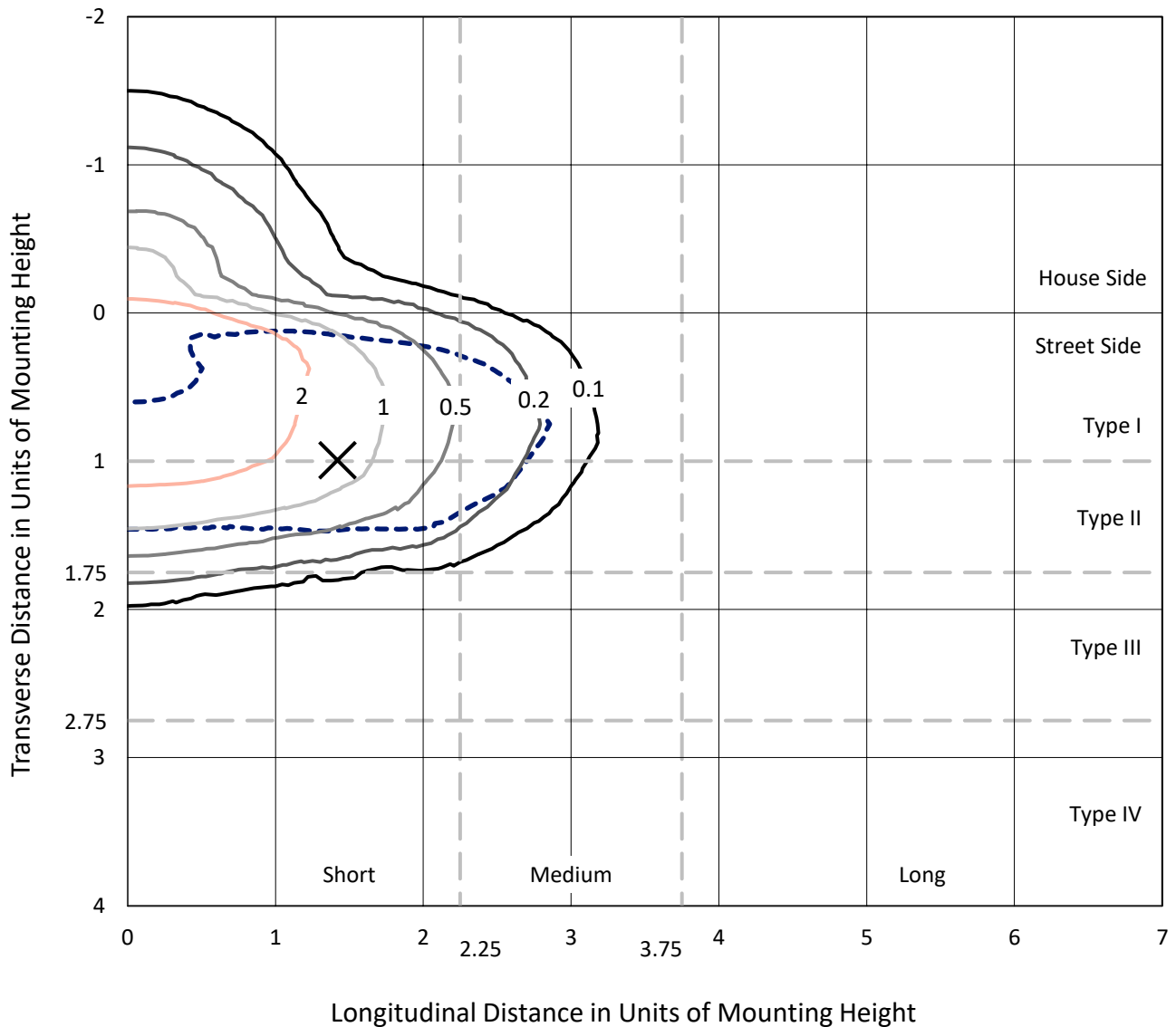
Lumens per Lamp: N/A
Luminaire Lumens: 3354 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

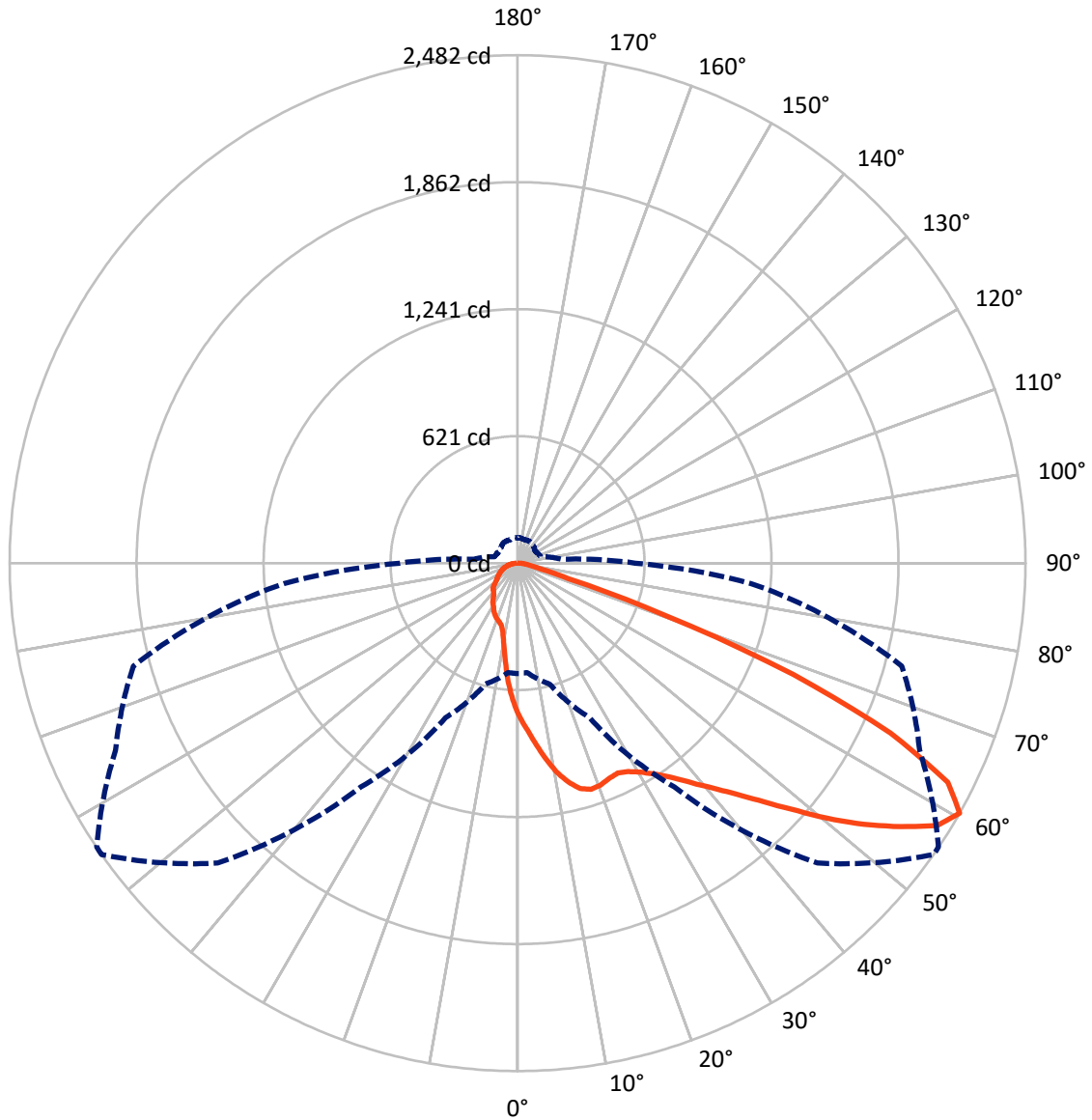
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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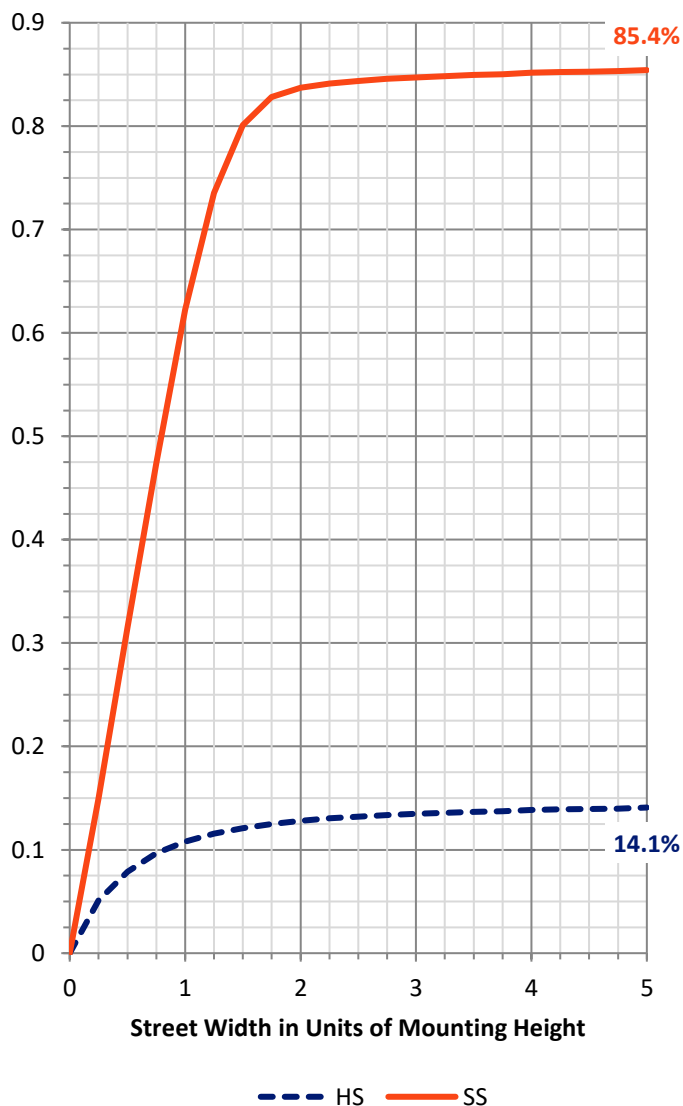
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	482.2	0.0	482.2
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	2871.8	0.0	2871.8
	% Fixture	85.6	0.0	85.6
Total	Lumens	3354.0	0.0	3354.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.6	2.1
10°-20°	197.2	5.9
20°-30°	321.1	9.6
30°-40°	479.9	14.3
40°-50°	705.4	21.0
50°-60°	826.8	24.6
60°-70°	545.1	16.3
70°-80°	173.6	5.2
80°-90°	35.3	1.1
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°	3354.0	100.0
0°-180°	3354.0	100.0



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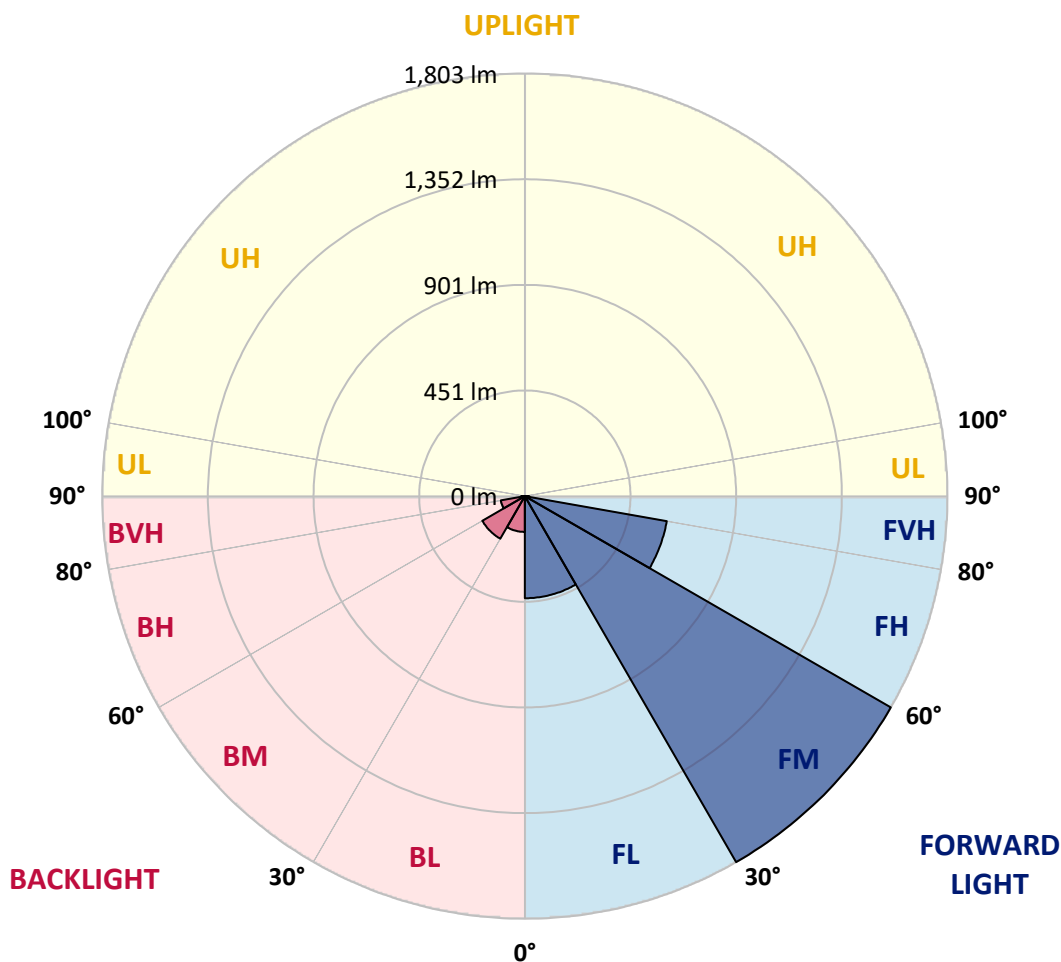
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	435.3	13.0			
FM (30°-60°)	1802.5	53.7			
FH (60°-80°)	614.7	18.3			G0/660
FVH (80°-90°)	19.4	0.6			G1/100
BL (0°-30°)	152.6	4.6	B1/500		
BM (30°-60°)	209.6	6.2	B0/220		
BH (60°-80°)	104.0	3.1	B0/110		G0/110
BVH (80°-90°)	15.9	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°	56°	65°	75°	85°
0°	743.8	743.8	743.8	743.8	743.8	743.8	743.8	743.8	743.8	743.8	743.8
2.5°	865.6	862.5	862.5	854.4	842.5	826.0	806.3	801.5	793.9	774.7	749.9
5°	997.6	994.2	989.6	975.5	953.4	920.3	878.8	871.2	844.2	804.6	759.9
7.5°	1084.9	1082.9	1081.5	1069.3	1047.5	1014.9	959.2	950.7	905.0	839.4	769.4
10°	1075.9	1081.7	1091.9	1100.4	1104.8	1088.0	1035.8	1025.8	969.2	879.7	783.5
12.5°	991.5	999.8	1018.8	1053.5	1093.6	1126.0	1096.3	1090.7	1037.7	922.5	801.2
15°	928.8	932.2	941.5	967.2	1027.0	1113.3	1143.2	1138.1	1101.7	977.4	821.6
17.5°	909.4	910.8	913.0	921.5	962.4	1064.0	1162.4	1167.3	1163.6	1034.6	844.7
20°	919.1	920.1	920.3	921.8	941.2	1022.7	1157.3	1165.6	1218.1	1091.7	867.6
22.5°	956.5	955.3	953.6	948.0	959.0	1015.4	1143.7	1156.8	1260.2	1143.7	888.7
25°	1021.9	1020.2	1008.3	996.6	1001.3	1041.6	1136.4	1150.5	1293.0	1192.8	904.3
27.5°	1099.7	1098.0	1085.9	1063.7	1058.9	1085.4	1153.4	1162.2	1317.0	1236.3	911.1
30°	1180.4	1180.4	1165.4	1139.8	1124.3	1135.5	1184.8	1191.8	1335.3	1278.4	915.5
32.5°	1268.4	1270.8	1247.5	1218.3	1201.1	1194.5	1228.8	1234.9	1361.8	1328.0	924.7
35°	1381.5	1376.1	1347.7	1309.3	1281.5	1266.7	1283.2	1290.3	1400.7	1389.7	939.5
37.5°	1508.6	1499.1	1464.1	1418.2	1369.8	1345.0	1355.9	1357.6	1458.3	1470.2	966.5
40°	1613.6	1611.9	1582.2	1538.7	1477.7	1444.4	1439.1	1440.0	1538.2	1565.5	1007.3
42.5°	1702.1	1695.8	1690.4	1675.1	1610.4	1555.7	1533.9	1534.1	1625.0	1663.9	1048.4
45°	1741.2	1740.0	1755.8	1795.2	1748.8	1684.3	1653.2	1657.6	1724.4	1765.0	1088.0
47.5°	1724.4	1725.4	1767.7	1871.0	1898.5	1849.1	1794.0	1791.3	1820.7	1842.6	1123.1
50°	1574.7	1590.5	1705.0	1878.1	1996.7	2021.3	1959.0	1949.1	1905.1	1904.3	1144.4
52.5°	1461.7	1460.9	1531.2	1806.4	2031.5	2176.6	2120.7	2098.3	1974.8	1939.1	1146.1
55°	1309.0	1308.0	1360.3	1596.6	1962.4	2285.0	2273.1	2245.1	2038.8	1950.5	1134.5
57.5°	991.3	1009.8	1061.8	1278.1	1743.7	2267.7	2418.7	2395.4	2101.2	1945.4	1132.3
60°	539.4	537.2	612.6	833.1	1335.0	2071.8	2482.1	2480.9	2167.6	1943.5	1145.7
62.5°	248.7	246.2	261.3	370.9	765.5	1659.8	2359.6	2377.1	2229.1	1925.7	1144.4
65°	186.0	179.6	159.2	172.6	292.9	990.8	2004.2	2050.9	2134.3	1852.8	1091.5
67.5°	165.8	159.7	135.9	127.4	147.1	349.6	1453.9	1496.9	1784.7	1716.2	1005.6
70°	151.9	146.6	122.8	109.4	110.4	154.8	761.1	845.7	1308.0	1432.3	857.1
72.5°	138.6	133.9	112.3	96.3	92.9	102.3	259.4	312.9	813.6	1043.8	639.1
75°	124.5	120.1	101.1	86.3	79.7	75.8	123.5	133.0	430.3	576.4	343.0
77.5°	108.2	105.7	90.2	76.1	70.5	57.4	82.2	86.3	184.3	226.3	163.4
80°	94.1	92.1	80.5	69.0	63.2	44.2	56.6	59.6	90.9	113.0	91.4
82.5°	61.3	66.1	66.6	59.3	55.7	35.5	37.4	39.6	60.3	66.6	39.9
85°	25.3	30.6	45.9	40.8	38.7	30.1	24.8	25.3	36.9	38.9	14.3
87.5°	11.4	12.6	22.6	22.9	19.9	11.4	12.4	13.6	19.0	18.7	6.3
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°	743.8	743.8	743.8	743.8	743.8	743.8	743.8	743.8	743.8	743.8	743.8
2.5°	743.1	731.9	712.0	686.5	668.2	654.9	640.3	629.6	617.7	607.2	608.9
5°	741.4	719.8	675.0	627.6	581.5	543.5	511.9	488.6	464.5	455.1	453.8
7.5°	742.9	706.2	632.8	555.2	485.0	436.6	399.9	377.8	363.9	355.9	356.4
10°	742.4	693.3	587.1	480.1	403.3	359.0	336.7	329.4	328.2	329.1	330.6
12.5°	743.1	675.8	535.8	412.5	344.7	322.1	323.1	329.6	333.8	336.4	338.1
15°	746.3	661.4	483.3	359.3	314.1	314.8	325.2	335.5	341.5	344.5	345.9
17.5°	750.9	643.4	436.6	318.9	301.2	312.4	326.0	336.9	341.5	343.2	344.5
20°	751.4	622.8	389.4	291.2	292.7	307.3	319.2	327.9	333.8	335.7	336.7
22.5°	749.2	594.8	341.0	271.0	283.0	297.5	307.7	317.7	309.9	303.6	301.9
25°	740.0	559.6	299.7	254.5	270.8	284.4	296.1	285.1	281.5	276.6	277.1
27.5°	720.0	515.6	260.8	239.0	256.5	275.9	267.4	265.9	261.3	256.5	256.5
30°	693.8	469.2	228.3	222.7	239.2	248.9	250.9	248.7	246.0	239.7	240.2
32.5°	670.2	420.1	205.2	209.1	228.3	228.3	236.8	236.8	227.0	209.3	209.3
35°	646.8	373.9	188.1	197.6	210.3	214.4	226.1	210.8	196.9	188.9	188.4
37.5°	628.6	334.5	177.0	187.9	192.8	203.2	203.5	192.3	187.7	180.4	179.6
40°	617.9	301.4	170.2	183.0	183.5	193.3	177.2	180.4	179.4	173.8	173.1
42.5°	612.1	275.9	165.1	178.9	176.5	167.0	164.1	169.4	171.1	168.2	167.0
45°	607.5	256.0	160.9	164.6	170.9	153.6	152.4	156.5	160.2	160.0	159.0
47.5°	605.0	242.1	157.3	155.6	156.8	145.6	143.2	145.1	149.7	152.7	152.4
50°	595.6	231.4	151.9	146.3	138.6	138.6	137.3	137.3	142.9	148.8	149.3
52.5°	578.8	218.8	144.1	137.6	128.6	132.5	133.0	132.0	137.8	144.1	144.6
55°	560.3	209.3	133.7	129.6	120.3	126.9	129.1	128.1	132.0	136.4	136.1
57.5°	560.6	209.1	124.7	121.5	112.5	119.8	125.2	125.4	125.2	128.3	128.3
60°	574.7	213.9	117.7	110.8	103.6	112.3	121.1	121.1	119.4	124.0	124.5
62.5°	578.8	213.4	113.3	100.6	95.5	105.5	115.0	116.4	115.2	121.8	122.5
65°	542.3	202.0	108.9	91.4	88.2	98.0	107.4	111.6	110.4	118.9	119.8
67.5°	491.8	187.2	102.1	83.1	80.7	90.7	99.7	104.0	103.8	115.0	115.5
70°	423.9	168.9	93.6	74.6	73.4	82.2	90.2	94.8	97.0	109.9	109.6
72.5°	328.4	144.9	80.7	65.6	65.4	73.4	80.5	85.6	89.7	102.1	102.1
75°	211.7	114.0	65.9	56.9	55.9	63.4	70.7	76.6	89.2	108.9	108.7
77.5°	129.3	87.0	53.0	47.4	47.2	54.0	61.3	71.2	97.5	97.0	94.3
80°	77.5	62.5	42.3	37.9	37.9	44.2	52.3	76.3	80.9	92.4	87.3
82.5°	40.4	38.4	31.6	28.0	29.2	34.8	47.6	61.0	66.1	56.2	51.5
85°	16.5	20.4	19.4	17.7	18.5	24.1	45.9	48.9	39.1	41.1	41.3
87.5°	5.6	9.0	9.0	7.0	7.8	17.0	27.2	16.3	19.7	11.7	8.8
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)