

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: P672012

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672012
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-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ AFL distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

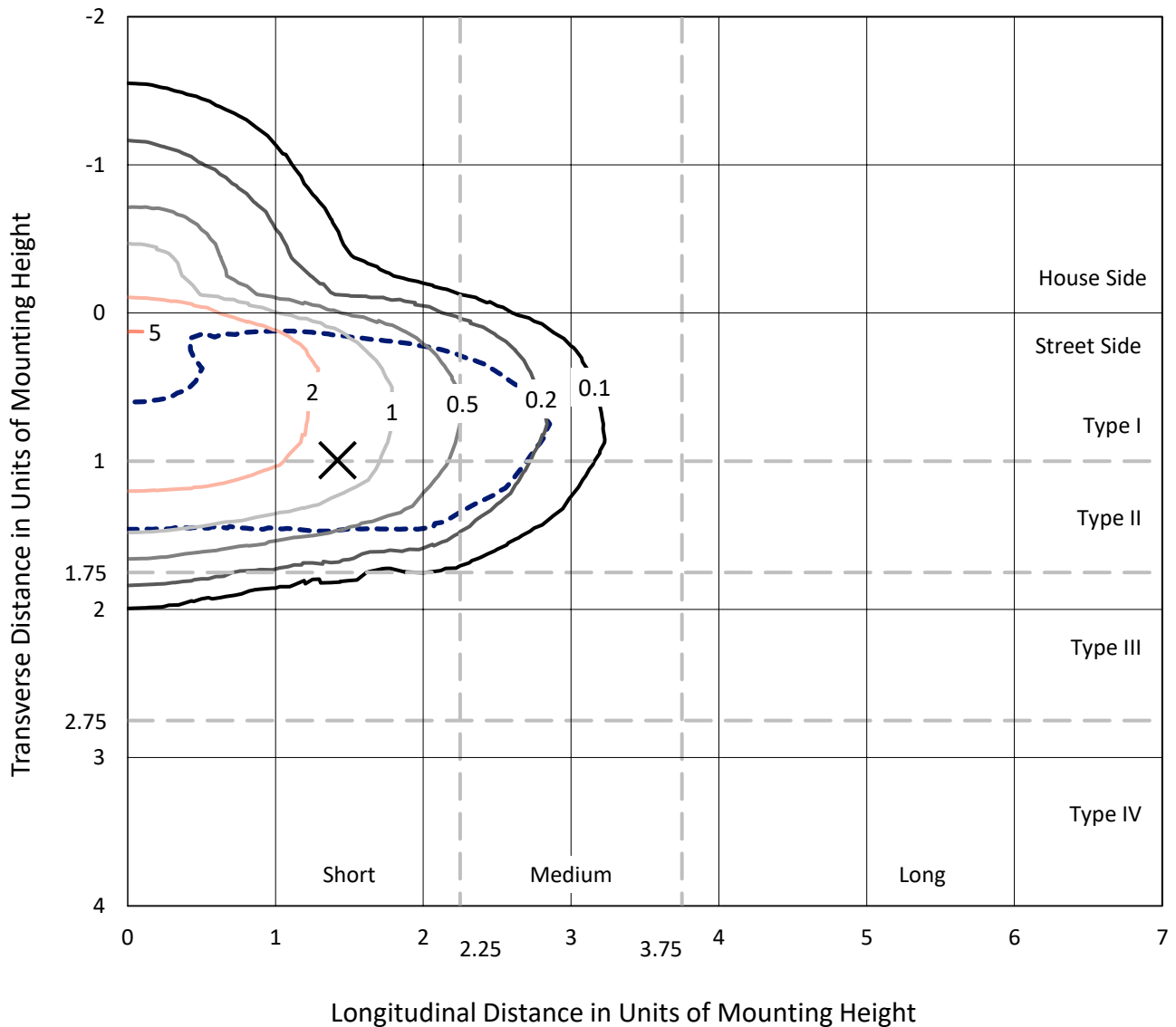
Lumens per Lamp: N/A
Luminaire Lumens: 3625.5 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

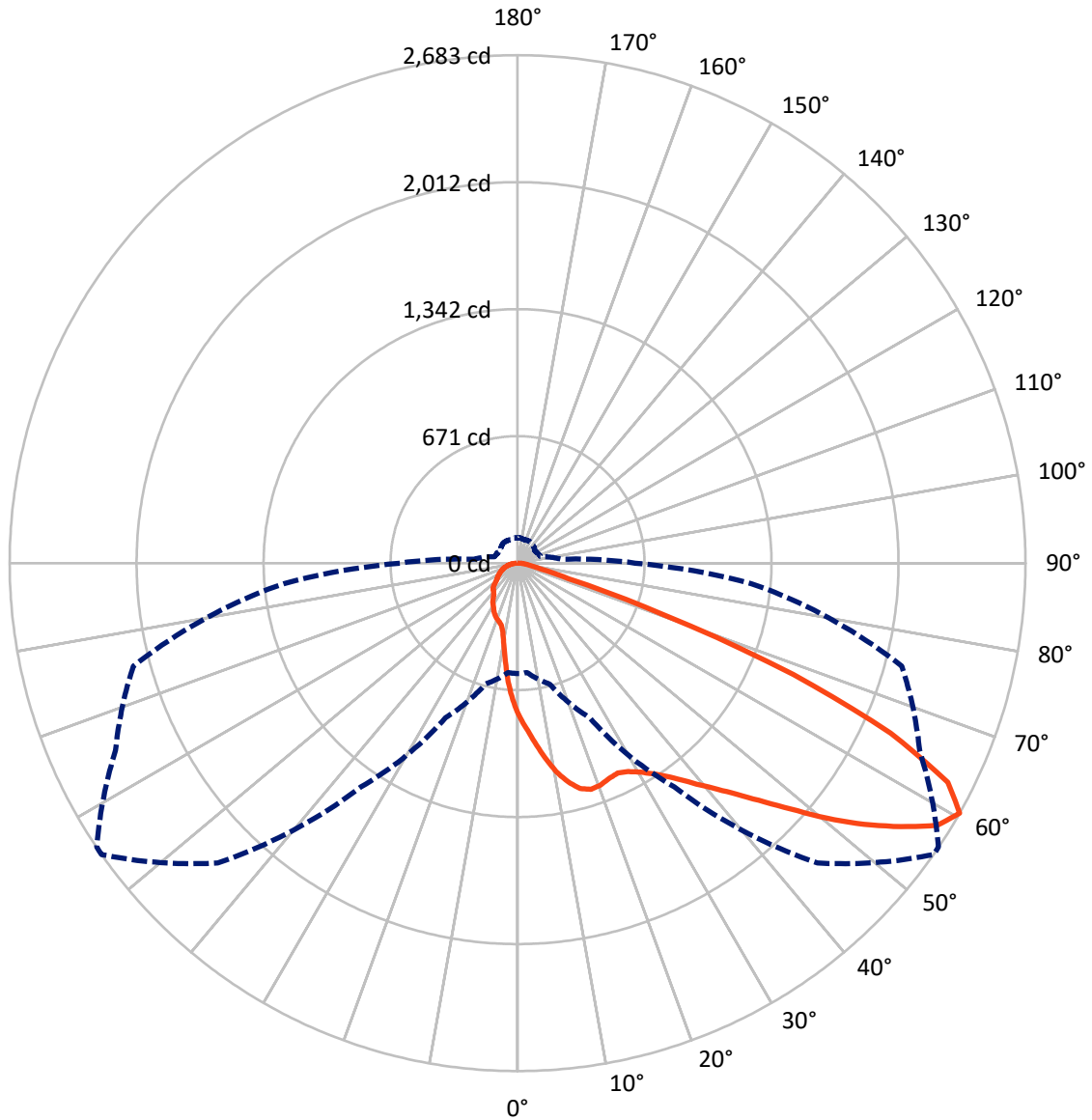
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5 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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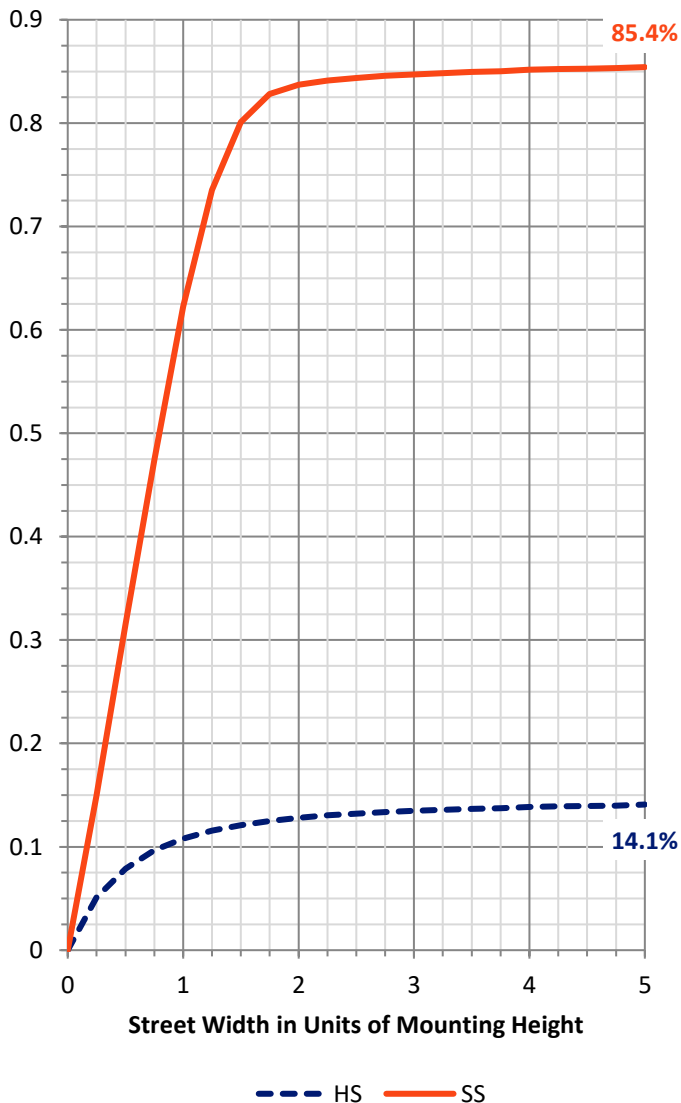
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	521.2	0.0	521.2
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	3104.3	0.0	3104.3
	% Fixture	85.6	0.0	85.6
Total	Lumens	3625.5	0.0	3625.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.2	2.1
10°-20°	213.2	5.9
20°-30°	347.1	9.6
30°-40°	518.8	14.3
40°-50°	762.5	21.0
50°-60°	893.7	24.6
60°-70°	589.2	16.3
70°-80°	187.6	5.2
80°-90°	38.1	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°	3625.5	100.0
0°-180°	3625.5	100.0



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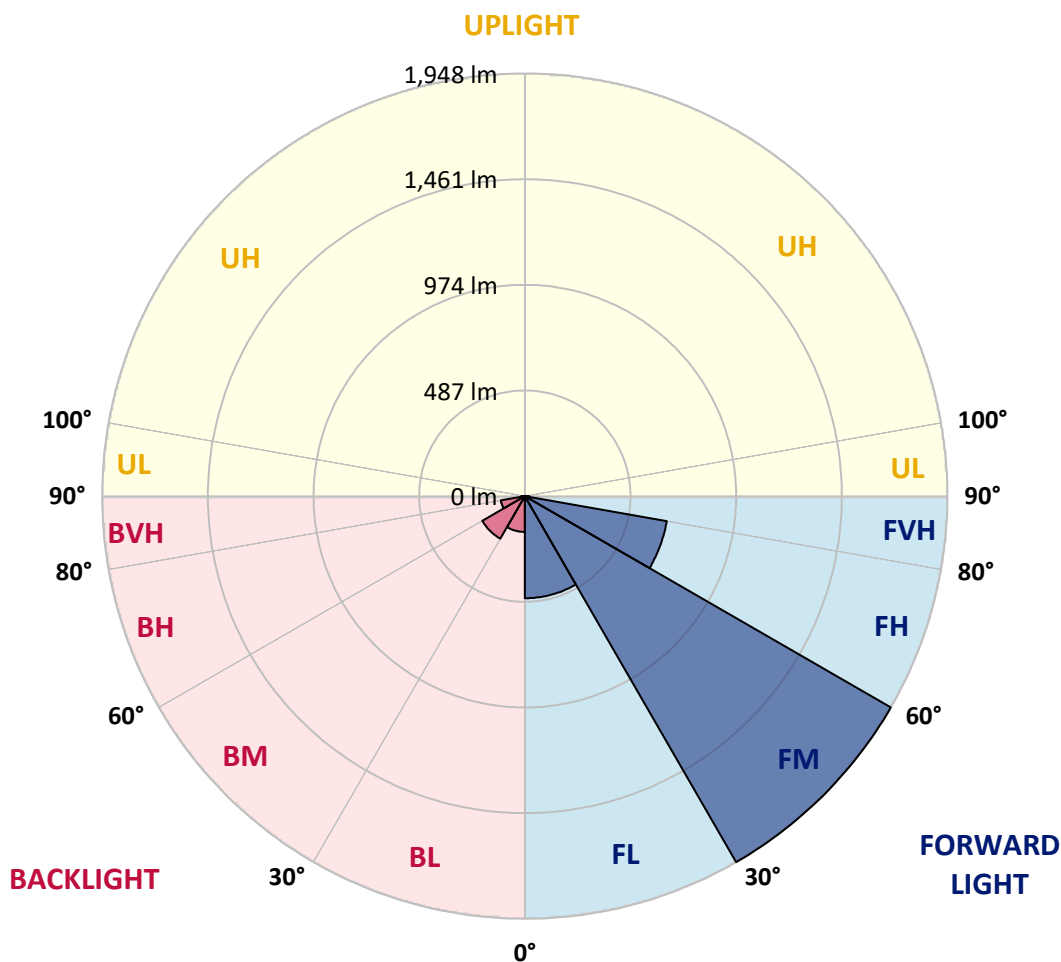
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	470.5	13.0			
FM (30°-60°)	1948.4	53.7			
FH (60°-80°)	664.4	18.3			G1/1800
FVH (80°-90°)	20.9	0.6			G1/100
BL (0°-30°)	165.0	4.6	B1/500		
BM (30°-60°)	226.5	6.2	B1/1000		
BH (60°-80°)	112.5	3.1	B1/500		G1/500
BVH (80°-90°)	17.2	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°	804.0	804.0	804.0	804.0	804.0	804.0	804.0	804.0	804.0	804.0	804.0
2.5°	935.7	932.3	932.3	923.6	910.7	892.9	871.6	866.3	858.2	837.4	810.6
5°	1078.4	1074.7	1069.7	1054.5	1030.5	994.8	949.9	941.7	912.6	869.7	821.4
7.5°	1172.7	1170.6	1169.0	1155.9	1132.2	1097.0	1036.9	1027.7	978.3	907.3	831.6
10°	1163.0	1169.3	1180.3	1189.5	1194.2	1176.1	1119.6	1108.9	1047.6	950.9	846.9
12.5°	1071.8	1080.7	1101.2	1138.8	1182.2	1217.1	1185.1	1179.0	1121.7	997.2	866.1
15°	1004.0	1007.7	1017.7	1045.5	1110.2	1203.4	1235.8	1230.2	1190.8	1056.6	888.1
17.5°	983.0	984.6	986.9	996.1	1040.3	1150.1	1256.5	1261.8	1257.8	1118.3	913.1
20°	993.5	994.5	994.8	996.4	1017.4	1105.4	1251.0	1259.9	1316.7	1180.1	937.8
22.5°	1034.0	1032.7	1030.8	1024.8	1036.6	1097.6	1236.3	1250.5	1362.2	1236.3	960.7
25°	1104.6	1102.8	1089.9	1077.3	1082.3	1125.9	1228.4	1243.6	1397.6	1289.4	977.5
27.5°	1188.7	1186.9	1173.8	1149.8	1144.6	1173.2	1246.8	1256.3	1423.6	1336.4	984.8
30°	1276.0	1276.0	1259.7	1232.1	1215.3	1227.4	1280.7	1288.3	1443.3	1381.9	989.6
32.5°	1371.1	1373.7	1348.5	1317.0	1298.3	1291.2	1328.3	1334.8	1472.0	1435.5	999.5
35°	1493.3	1487.5	1456.7	1415.2	1385.3	1369.2	1387.1	1394.7	1514.0	1502.2	1015.6
37.5°	1630.7	1620.4	1582.6	1532.9	1480.7	1453.9	1465.7	1467.5	1576.3	1589.2	1044.7
40°	1744.2	1742.4	1710.3	1663.3	1597.3	1561.3	1555.5	1556.6	1662.8	1692.2	1088.9
42.5°	1839.9	1833.0	1827.2	1810.7	1740.8	1681.7	1658.0	1658.3	1756.6	1798.6	1133.3
45°	1882.2	1880.8	1897.9	1940.5	1890.3	1820.7	1787.0	1791.8	1864.0	1907.9	1176.1
47.5°	1864.0	1865.1	1910.8	2022.5	2052.2	1998.8	1939.2	1936.3	1968.1	1991.7	1214.0
50°	1702.2	1719.2	1843.0	2030.1	2158.3	2184.9	2117.6	2106.8	2059.3	2058.5	1237.1
52.5°	1580.0	1579.2	1655.1	1952.6	2195.9	2352.8	2292.3	2268.2	2134.7	2096.0	1238.9
55°	1415.0	1413.9	1470.4	1725.8	2121.3	2470.0	2457.1	2426.9	2203.8	2108.4	1226.3
57.5°	1071.5	1091.5	1147.7	1381.6	1884.8	2451.3	2614.5	2589.2	2271.3	2102.9	1223.9
60°	583.1	580.7	662.2	900.5	1443.1	2239.5	2683.1	2681.7	2343.0	2100.8	1238.4
62.5°	268.8	266.2	282.5	401.0	827.4	1794.1	2550.6	2569.5	2409.5	2081.6	1237.1
65°	201.0	194.2	172.1	186.6	316.6	1071.0	2166.5	2216.9	2307.0	2002.8	1179.8
67.5°	179.2	172.6	146.9	137.7	159.0	377.9	1571.6	1618.1	1929.2	1855.1	1087.0
70°	164.2	158.4	132.7	118.2	119.3	167.4	822.7	914.1	1413.9	1548.2	926.5
72.5°	149.8	144.8	121.4	104.1	100.4	110.6	280.4	338.2	879.5	1128.3	690.8
75°	134.5	129.8	109.3	93.3	86.2	82.0	133.5	143.7	465.1	623.0	370.8
77.5°	116.9	114.3	97.5	82.2	76.2	62.0	88.8	93.3	199.2	244.6	176.6
80°	101.7	99.6	87.0	74.6	68.3	47.8	61.2	64.4	98.3	122.2	98.8
82.5°	66.2	71.5	72.0	64.1	60.2	38.4	40.5	42.8	65.2	72.0	43.1
85°	27.3	33.1	49.7	44.1	41.8	32.6	26.8	27.3	39.9	42.0	15.5
87.5°	12.3	13.7	24.4	24.7	21.5	12.3	13.4	14.7	20.5	20.2	6.8
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°	804.0	804.0	804.0	804.0	804.0	804.0	804.0	804.0	804.0	804.0	804.0
2.5°	803.3	791.2	769.6	742.0	722.3	707.9	692.1	680.6	667.7	656.4	658.2
5°	801.4	778.0	729.7	678.4	628.5	587.5	553.4	528.1	502.1	491.9	490.6
7.5°	803.0	763.3	684.0	600.1	524.2	471.9	432.2	408.3	393.4	384.7	385.2
10°	802.5	749.4	634.6	519.0	435.9	388.1	363.9	356.0	354.7	355.8	357.4
12.5°	803.3	730.5	579.1	445.9	372.6	348.2	349.2	356.3	360.8	363.7	365.5
15°	806.7	715.0	522.4	388.4	339.5	340.3	351.6	362.6	369.2	372.3	373.9
17.5°	811.7	695.5	471.9	344.7	325.6	337.6	352.4	364.2	369.2	371.0	372.3
20°	812.2	673.2	420.9	314.8	316.4	332.1	345.0	354.5	360.8	362.9	363.9
22.5°	809.8	643.0	368.7	293.0	305.9	321.6	332.7	343.4	335.0	328.2	326.3
25°	799.8	604.9	324.0	275.1	292.7	307.4	320.0	308.2	304.3	299.0	299.5
27.5°	778.3	557.3	281.9	258.3	277.2	298.2	289.0	287.5	282.5	277.2	277.2
30°	749.9	507.1	246.7	240.7	258.6	269.1	271.2	268.8	265.9	259.1	259.6
32.5°	724.4	454.1	221.8	226.0	246.7	246.7	255.9	255.9	245.4	226.2	226.2
35°	699.2	404.1	203.4	213.6	227.3	231.8	244.4	227.8	212.8	204.2	203.6
37.5°	679.5	361.6	191.3	203.1	208.4	219.7	219.9	207.8	202.9	195.0	194.2
40°	667.9	325.8	183.9	197.9	198.4	208.9	191.6	195.0	193.9	187.9	187.1
42.5°	661.6	298.2	178.4	193.4	190.8	180.5	177.4	183.1	185.0	181.8	180.5
45°	656.6	276.7	173.9	177.9	184.7	166.1	164.8	169.2	173.2	172.9	171.8
47.5°	654.0	261.7	170.0	168.2	169.5	157.4	154.8	156.9	161.9	165.0	164.8
50°	643.8	250.1	164.2	158.2	149.8	149.8	148.5	148.5	154.5	160.8	161.3
52.5°	625.6	236.5	155.8	148.7	139.0	143.2	143.7	142.7	149.0	155.8	156.3
55°	605.7	226.2	144.5	140.1	130.1	137.2	139.5	138.5	142.7	147.4	147.1
57.5°	605.9	226.0	134.8	131.4	121.7	129.5	135.3	135.6	135.3	138.7	138.7
60°	621.2	231.2	127.2	119.8	111.9	121.4	130.9	130.9	129.0	134.0	134.5
62.5°	625.6	230.7	122.4	108.8	103.3	114.0	124.3	125.9	124.5	131.6	132.4
65°	586.2	218.4	117.7	98.8	95.4	105.9	116.1	120.6	119.3	128.5	129.5
67.5°	531.6	202.3	110.4	89.9	87.2	98.0	107.7	112.5	112.2	124.3	124.8
70°	458.3	182.6	101.2	80.7	79.4	88.8	97.5	102.5	104.8	118.8	118.5
72.5°	355.0	156.6	87.2	70.9	70.7	79.4	87.0	92.5	97.0	110.4	110.4
75°	228.9	123.2	71.2	61.5	60.4	68.6	76.5	82.8	96.4	117.7	117.5
77.5°	139.8	94.1	57.3	51.2	51.0	58.3	66.2	77.0	105.4	104.8	102.0
80°	83.8	67.5	45.7	41.0	41.0	47.8	56.5	82.5	87.5	99.8	94.3
82.5°	43.6	41.5	34.2	30.2	31.5	37.6	51.5	66.0	71.5	60.7	55.7
85°	17.9	22.1	21.0	19.2	20.0	26.0	49.7	52.8	42.3	44.4	44.7
87.5°	6.0	9.7	9.7	7.6	8.4	18.4	29.4	17.6	21.3	12.6	9.5
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)