

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: P671928

Luminaire Tested: **CCP-SA-2A-722-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671928
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-722-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ AFL distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

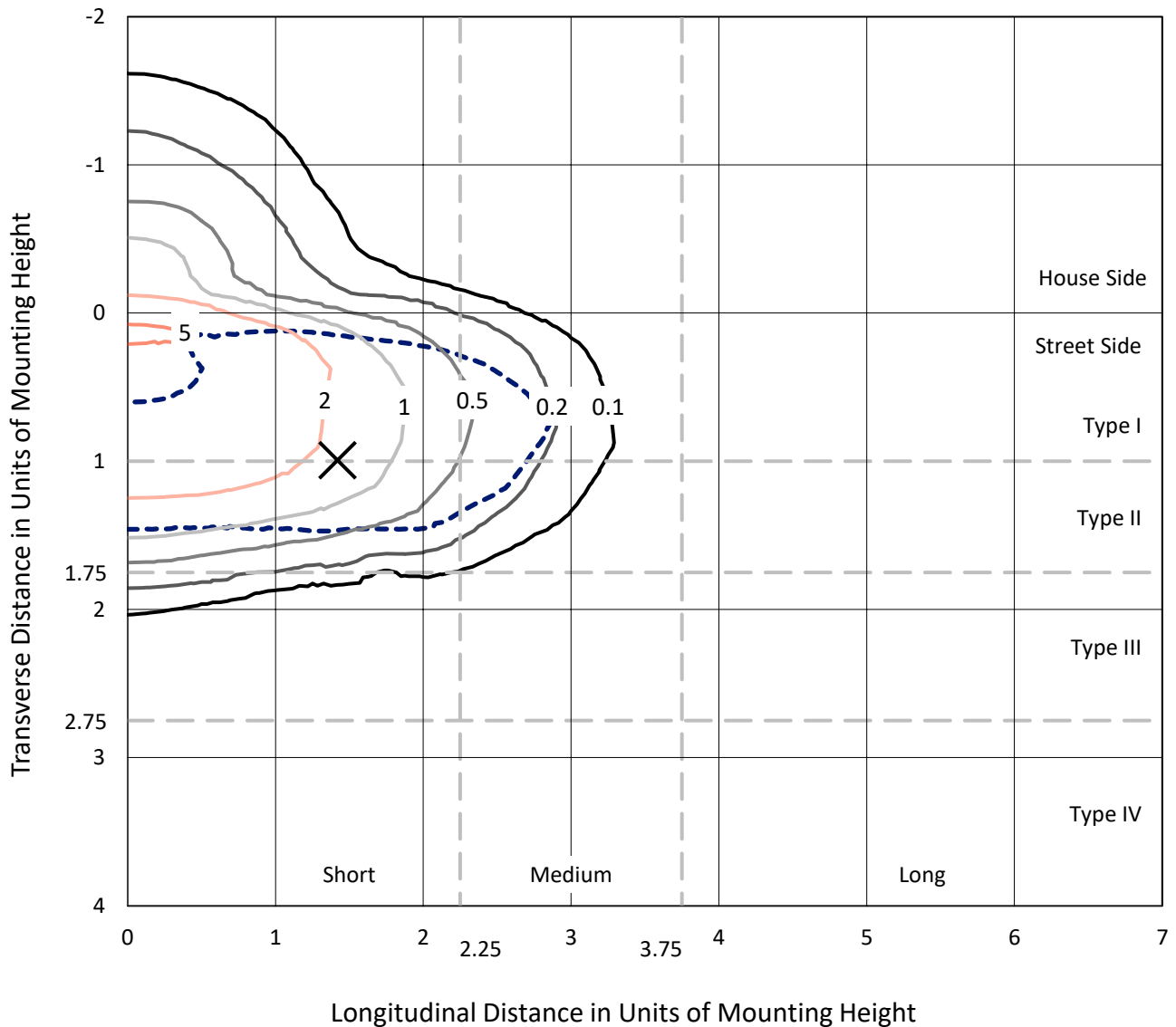
Lumens per Lamp: N/A
Luminaire Lumens: 4067.3 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
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

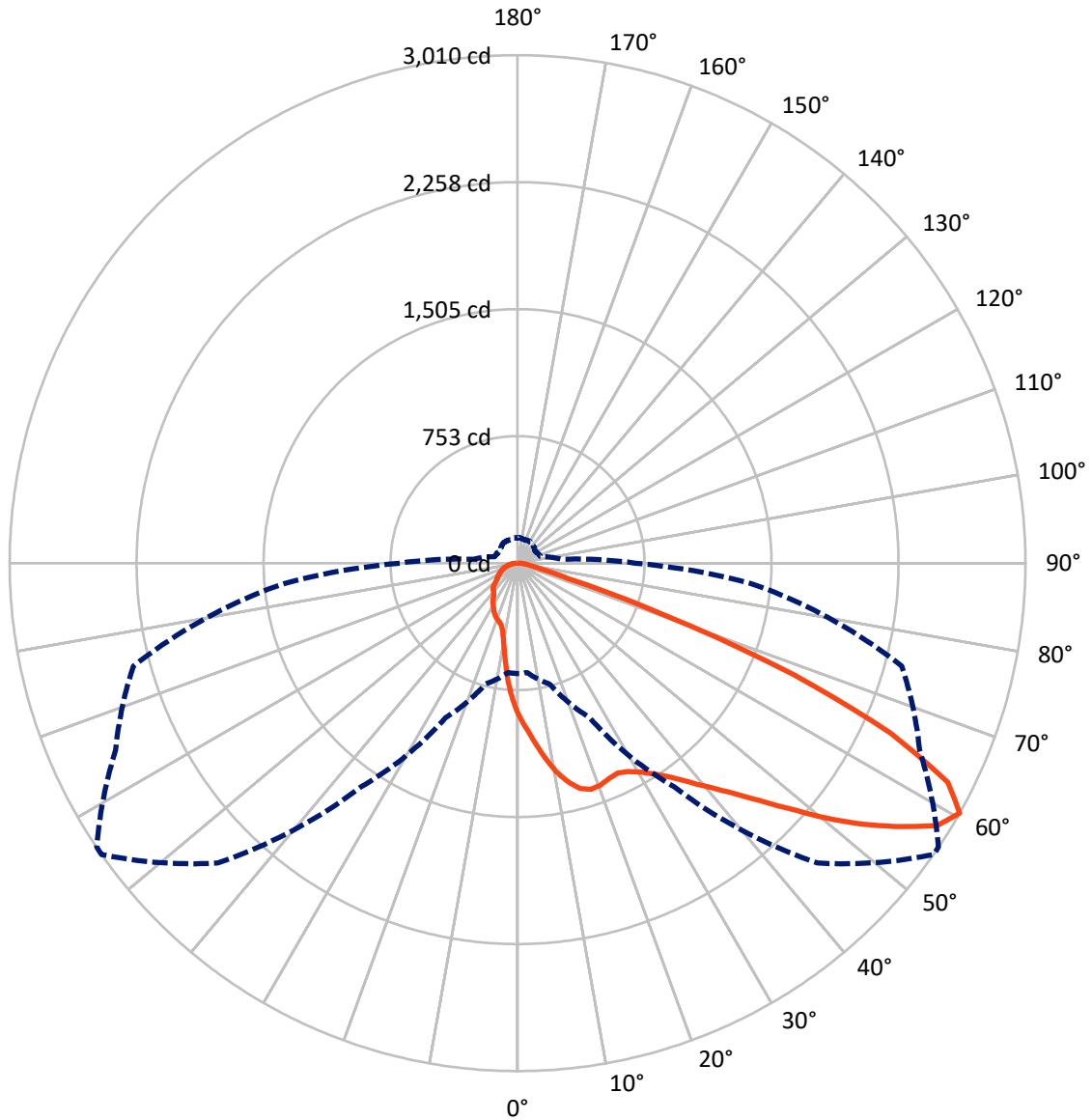
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.6 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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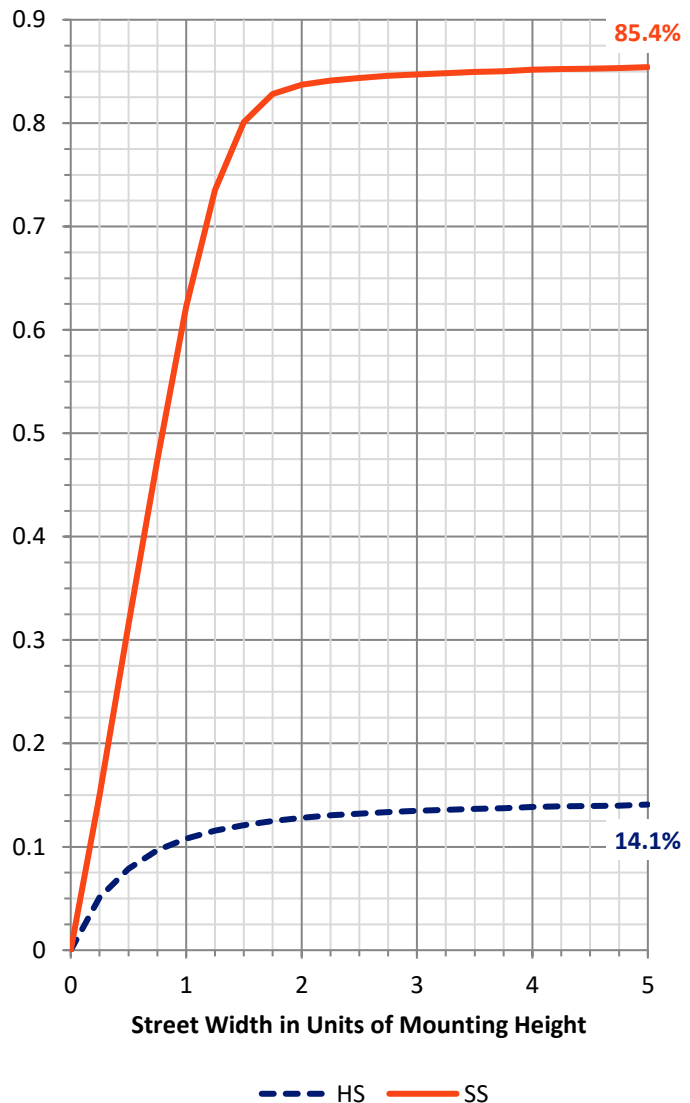
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	584.7	0.0	584.7
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	3482.6	0.0	3482.6
	% Fixture	85.6	0.0	85.6
Total	Lumens	4067.3	0.0	4067.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.4	2.1
10°-20°	239.2	5.9
20°-30°	389.4	9.6
30°-40°	582.0	14.3
40°-50°	855.4	21.0
50°-60°	1002.6	24.6
60°-70°	661.0	16.3
70°-80°	210.5	5.2
80°-90°	42.8	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°	4067.3	100.0
0°-180°	4067.3	100.0



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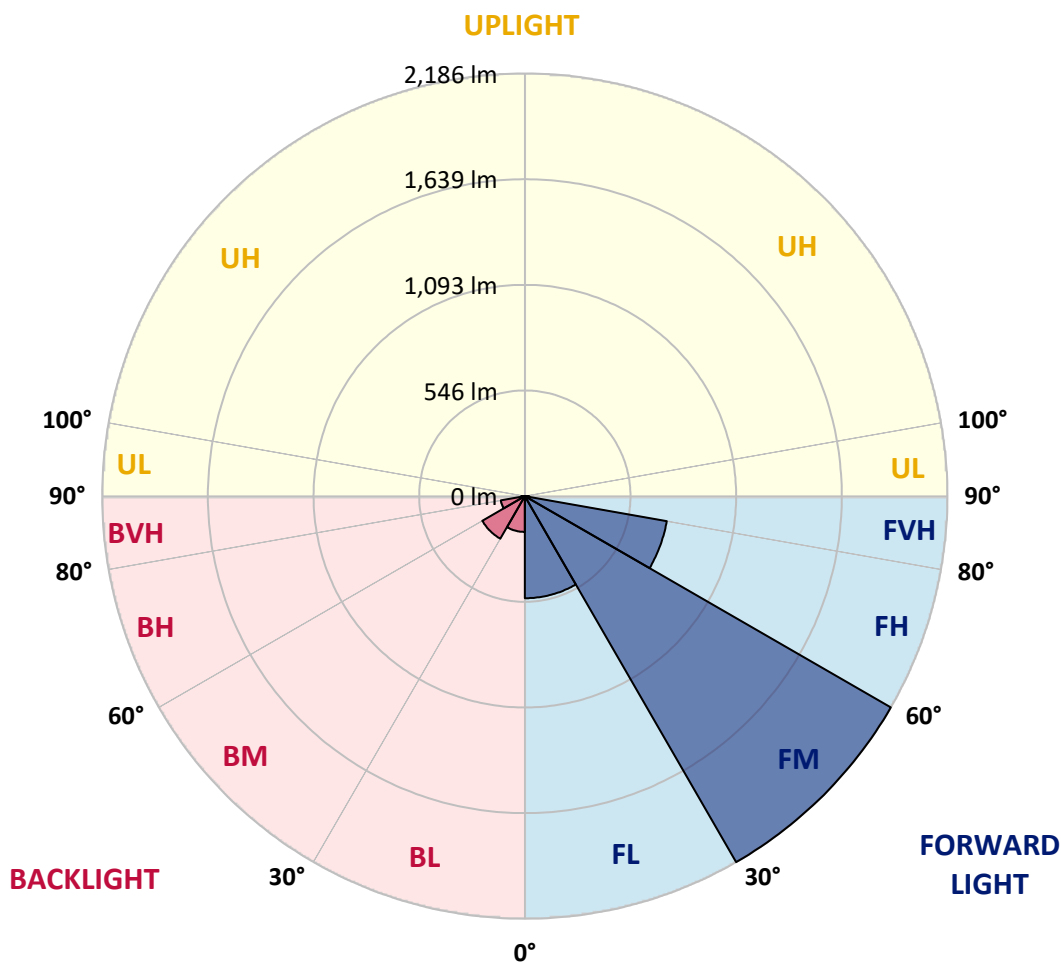
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	527.9	13.0			
FM (30°-60°)	2185.9	53.7			
FH (60°-80°)	745.4	18.3			G1/1800
FVH (80°-90°)	23.5	0.6			G1/100
BL (0°-30°)	185.1	4.6	B1/500		
BM (30°-60°)	254.1	6.2	B1/1000		
BH (60°-80°)	126.2	3.1	B1/500		G1/500
BVH (80°-90°)	19.3	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°	56°	65°	75°	85°
0°	902.0	902.0	902.0	902.0	902.0	902.0	902.0	902.0	902.0	902.0	902.0
2.5°	1049.7	1045.9	1045.9	1036.2	1021.7	1001.7	977.8	971.9	962.8	939.5	909.4
5°	1209.8	1205.7	1200.1	1183.0	1156.1	1116.0	1065.6	1056.5	1023.8	975.7	921.5
7.5°	1315.6	1313.3	1311.5	1296.7	1270.2	1230.7	1163.2	1152.9	1097.5	1017.9	933.0
10°	1304.7	1311.8	1324.2	1334.5	1339.8	1319.4	1256.1	1244.0	1175.3	1066.8	950.1
12.5°	1202.4	1212.4	1235.4	1277.6	1326.2	1365.4	1329.5	1322.7	1258.4	1118.7	971.6
15°	1126.4	1130.5	1141.7	1172.9	1245.5	1350.1	1386.4	1380.2	1336.0	1185.3	996.4
17.5°	1102.8	1104.5	1107.2	1117.5	1167.0	1290.3	1409.6	1415.5	1411.1	1254.6	1024.4
20°	1114.6	1115.7	1116.0	1117.8	1141.4	1240.1	1403.5	1413.5	1477.2	1323.9	1052.1
22.5°	1160.0	1158.5	1156.4	1149.6	1162.9	1231.3	1386.9	1402.9	1528.1	1386.9	1077.7
25°	1239.3	1237.2	1222.8	1208.6	1214.2	1263.1	1378.1	1395.2	1567.9	1446.5	1096.6
27.5°	1333.6	1331.5	1316.8	1290.0	1284.1	1316.2	1398.7	1409.4	1597.1	1499.3	1104.8
30°	1431.5	1431.5	1413.2	1382.2	1363.4	1376.9	1436.8	1445.3	1619.2	1550.3	1110.1
32.5°	1538.2	1541.1	1512.8	1477.4	1456.5	1448.6	1490.1	1497.5	1651.4	1610.4	1121.4
35°	1675.2	1668.8	1634.3	1587.7	1554.1	1536.1	1556.2	1564.7	1698.5	1685.3	1139.3
37.5°	1829.4	1817.9	1775.5	1719.8	1661.1	1631.0	1644.3	1646.4	1768.4	1782.8	1172.1
40°	1956.8	1954.7	1918.7	1866.0	1792.0	1751.6	1745.1	1746.3	1865.4	1898.4	1221.6
42.5°	2064.1	2056.4	2049.9	2031.3	1952.9	1886.6	1860.1	1860.4	1970.6	2017.8	1271.4
45°	2111.5	2110.0	2129.2	2177.0	2120.7	2042.5	2004.8	2010.1	2091.2	2140.4	1319.4
47.5°	2091.2	2092.4	2143.7	2268.9	2302.2	2242.4	2175.5	2172.2	2207.9	2234.4	1361.9
50°	1909.6	1928.8	2067.6	2277.5	2421.3	2451.1	2375.6	2363.6	2310.2	2309.3	1387.8
52.5°	1772.5	1771.6	1856.8	2190.5	2463.5	2639.5	2571.7	2544.6	2394.8	2351.5	1389.9
55°	1587.4	1586.2	1649.6	1936.1	2379.8	2771.0	2756.5	2722.6	2472.3	2365.3	1375.7
57.5°	1202.1	1224.5	1287.6	1550.0	2114.5	2750.0	2933.1	2904.8	2548.1	2359.1	1373.1
60°	654.1	651.5	742.9	1010.2	1618.9	2512.4	3010.0	3008.5	2628.6	2356.8	1389.3
62.5°	301.6	298.6	316.9	449.8	928.3	2012.8	2861.4	2882.7	2703.2	2335.3	1387.8
65°	225.5	217.8	193.1	209.3	355.2	1201.5	2430.5	2487.1	2588.2	2246.8	1323.6
67.5°	201.0	193.7	164.8	154.5	178.3	423.9	1763.1	1815.3	2164.3	2081.2	1219.5
70°	184.2	177.8	148.9	132.7	133.8	187.8	923.0	1025.5	1586.2	1736.9	1039.4
72.5°	168.0	162.4	136.2	116.7	112.6	124.1	314.5	379.4	986.6	1265.8	775.0
75°	150.9	145.6	122.6	104.6	96.7	92.0	149.7	161.2	521.8	698.9	415.9
77.5°	131.2	128.2	109.4	92.3	85.5	69.6	99.6	104.6	223.4	274.4	198.1
80°	114.1	111.7	97.6	83.7	76.6	53.7	68.7	72.2	110.2	137.1	110.8
82.5°	74.3	80.2	80.8	71.9	67.5	43.0	45.4	48.0	73.1	80.8	48.3
85°	30.7	37.1	55.7	49.5	46.9	36.6	30.1	30.7	44.8	47.2	17.4
87.5°	13.9	15.3	27.4	27.7	24.2	13.9	15.0	16.5	23.0	22.7	7.7
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°	902.0	902.0	902.0	902.0	902.0	902.0	902.0	902.0	902.0	902.0	902.0
2.5°	901.1	887.6	863.4	832.5	810.4	794.1	776.5	763.5	749.0	736.4	738.4
5°	899.1	872.8	818.6	761.1	705.1	659.1	620.8	592.5	563.3	551.8	550.4
7.5°	900.9	856.3	767.3	673.3	588.1	529.4	484.9	458.1	441.3	431.6	432.2
10°	900.3	840.7	711.9	582.2	489.0	435.4	408.3	399.4	398.0	399.1	400.9
12.5°	901.1	819.5	649.7	500.2	418.0	390.6	391.8	399.7	404.7	408.0	410.0
15°	905.0	802.1	586.0	435.7	380.9	381.7	394.4	406.8	414.2	417.7	419.5
17.5°	910.6	780.3	529.4	386.8	365.2	378.8	395.3	408.6	414.2	416.2	417.7
20°	911.2	755.2	472.2	353.1	354.9	372.6	387.0	397.7	404.7	407.1	408.3
22.5°	908.5	721.3	413.6	328.7	343.1	360.8	373.2	385.3	375.8	368.2	366.1
25°	897.3	678.6	363.5	308.6	328.4	344.9	359.0	345.8	341.4	335.5	336.1
27.5°	873.1	625.2	316.3	289.8	311.0	334.6	324.3	322.5	316.9	311.0	311.0
30°	841.3	568.9	276.8	270.0	290.1	301.9	304.2	301.6	298.3	290.7	291.2
32.5°	812.7	509.4	248.8	253.5	276.8	276.8	287.1	287.1	275.3	253.8	253.8
35°	784.4	453.4	228.2	239.7	255.0	260.0	274.1	255.6	238.8	229.0	228.5
37.5°	762.3	405.6	214.6	227.9	233.8	246.4	246.7	233.2	227.6	218.7	217.8
40°	749.3	365.5	206.3	222.0	222.6	234.4	214.9	218.7	217.5	210.8	209.9
42.5°	742.3	334.6	200.2	217.0	214.0	202.5	199.0	205.5	207.5	204.0	202.5
45°	736.7	310.4	195.1	199.6	207.2	186.3	184.8	189.8	194.3	194.0	192.8
47.5°	733.7	293.6	190.7	188.7	190.1	176.6	173.6	176.0	181.6	185.1	184.8
50°	722.2	280.6	184.2	177.5	168.0	168.0	166.6	166.6	173.3	180.4	181.0
52.5°	701.9	265.3	174.8	166.8	155.9	160.7	161.2	160.1	167.1	174.8	175.4
55°	679.5	253.8	162.1	157.1	145.9	153.9	156.5	155.4	160.1	165.4	165.1
57.5°	679.8	253.5	151.2	147.4	136.5	145.3	151.8	152.1	151.8	155.6	155.6
60°	696.9	259.4	142.7	134.4	125.6	136.2	146.8	146.8	144.7	150.3	150.9
62.5°	701.9	258.8	137.4	122.0	115.8	127.9	139.4	141.2	139.7	147.7	148.6
65°	657.7	245.0	132.1	110.8	107.0	118.8	130.3	135.3	133.8	144.1	145.3
67.5°	596.3	227.0	123.8	100.8	97.9	110.0	120.9	126.2	125.9	139.4	140.0
70°	514.1	204.9	113.5	90.5	89.0	99.6	109.4	115.0	117.6	133.2	132.9
72.5°	398.3	175.7	97.9	79.6	79.3	89.0	97.6	103.8	108.8	123.8	123.8
75°	256.8	138.3	79.9	69.0	67.8	76.9	85.8	92.9	108.2	132.1	131.8
77.5°	156.8	105.5	64.3	57.5	57.2	65.4	74.3	86.4	118.2	117.6	114.4
80°	94.0	75.8	51.3	46.0	46.0	53.7	63.4	92.6	98.2	112.0	105.8
82.5°	48.9	46.6	38.3	33.9	35.4	42.2	57.8	74.0	80.2	68.1	62.5
85°	20.0	24.8	23.6	21.5	22.4	29.2	55.7	59.3	47.5	49.8	50.1
87.5°	6.8	10.9	10.9	8.5	9.4	20.6	33.0	19.8	23.9	14.1	10.6
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)