

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: P671944

Luminaire Tested: **CCP-SA-1A-730-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671944
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-730-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ AFL
distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2514 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

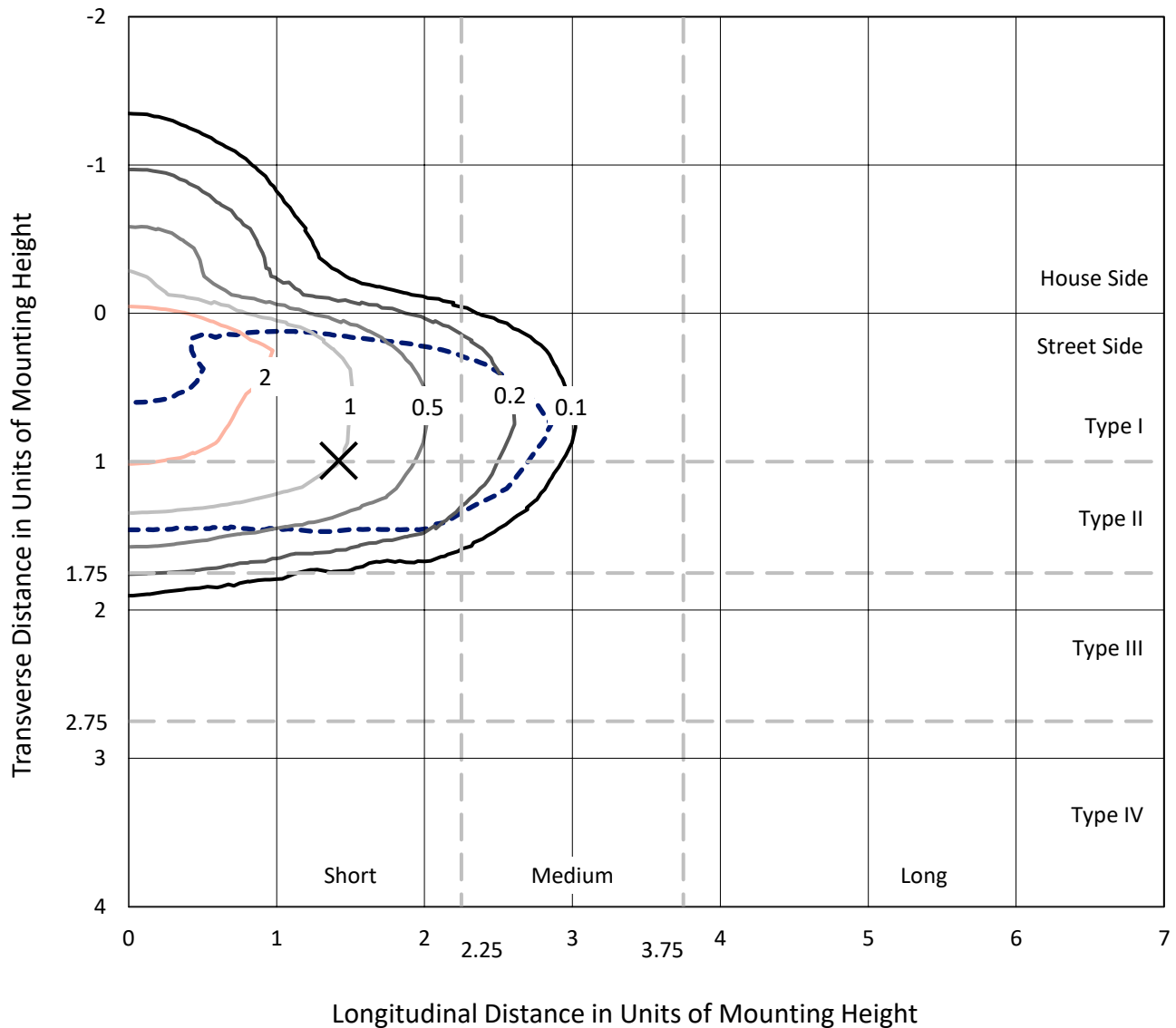
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P671944

CATALOG NUMBER: CCP-SA-1A-730-U-AFL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

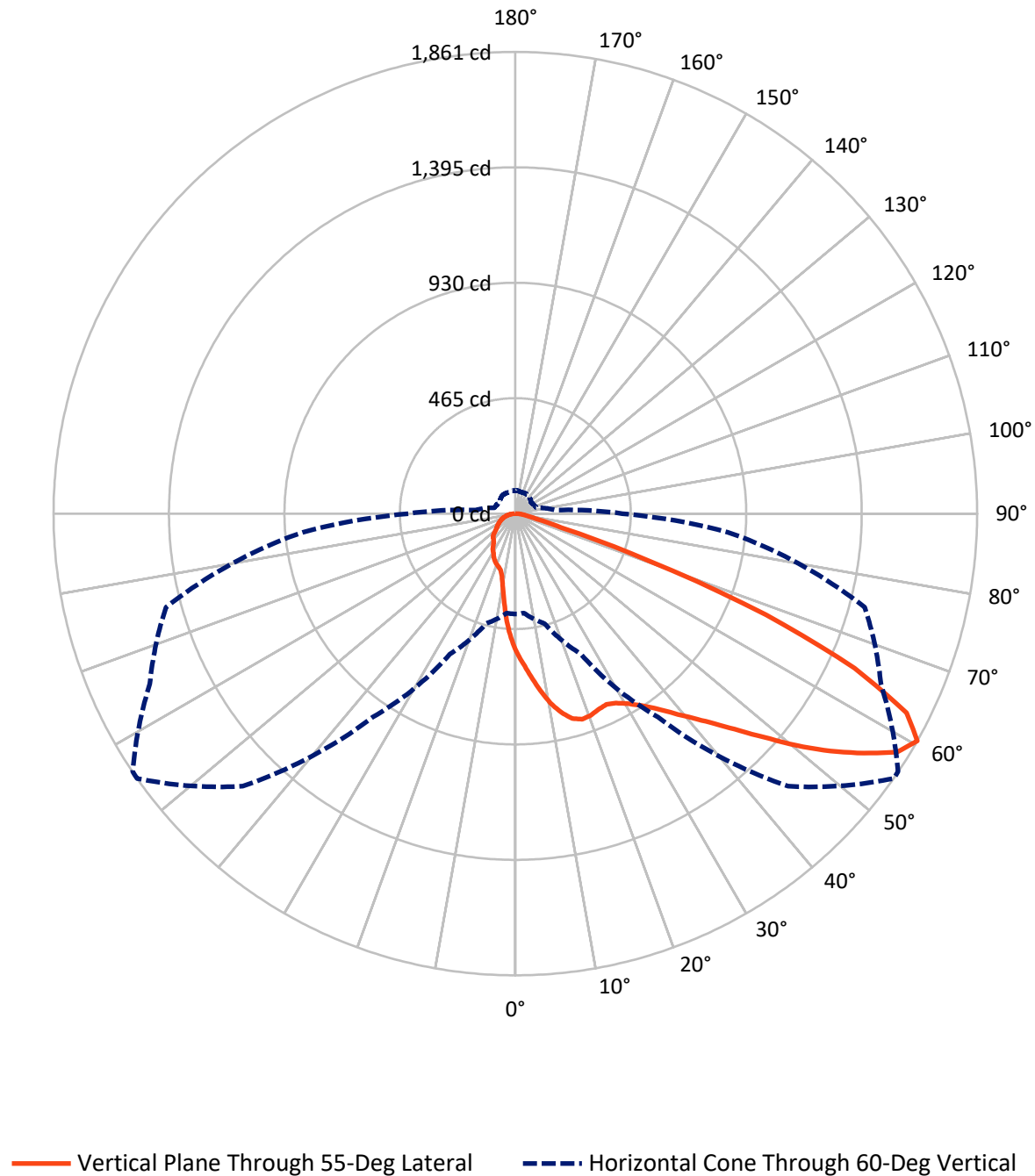


Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
Type II - Short - N/A

REPORT NUMBER: P671944

CATALOG NUMBER: CCP-SA-1A-730-U-AFL

Luminous Intensity Polar Plot



REPORT NUMBER: P671944

CATALOG NUMBER: CCP-SA-1A-730-U-AFL

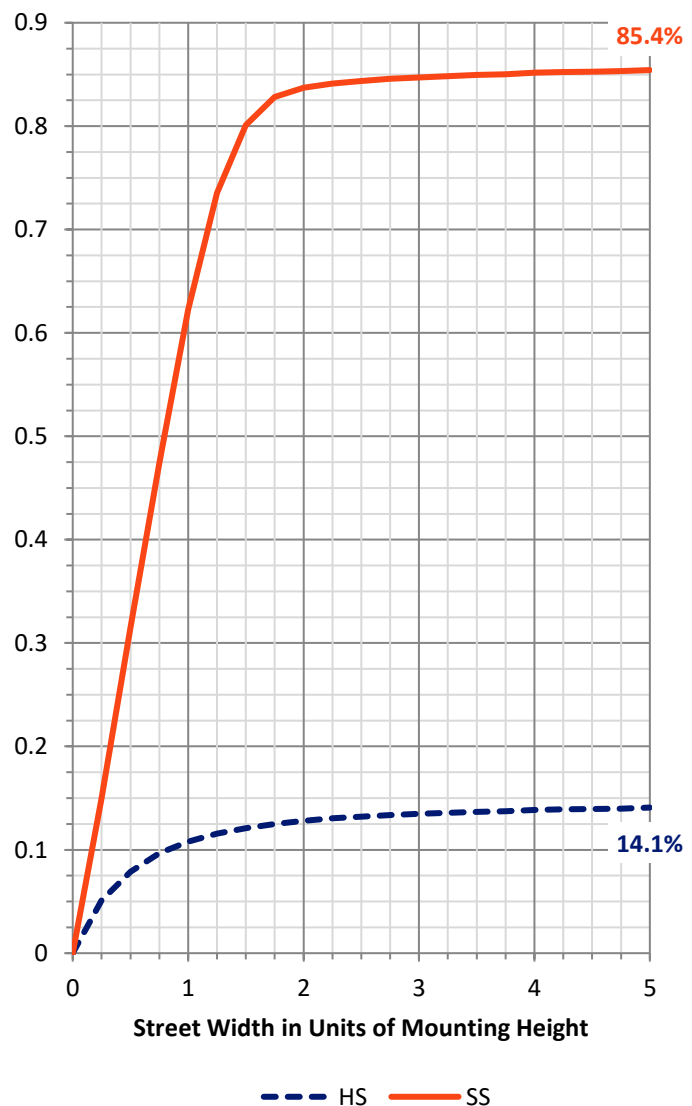
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	361.4	0.0	361.4
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	2152.6	0.0	2152.6
	% Fixture	85.6	0.0	85.6
Total	Lumens	2514.0	0.0	2514.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.2	2.1
10°-20°	147.8	5.9
20°-30°	240.7	9.6
30°-40°	359.7	14.3
40°-50°	528.7	21.0
50°-60°	619.7	24.6
60°-70°	408.6	16.3
70°-80°	130.1	5.2
80°-90°	26.5	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°	2514.0	100.0
0°-180°	2514.0	100.0

Coefficient of Utilization



REPORT NUMBER: P671944

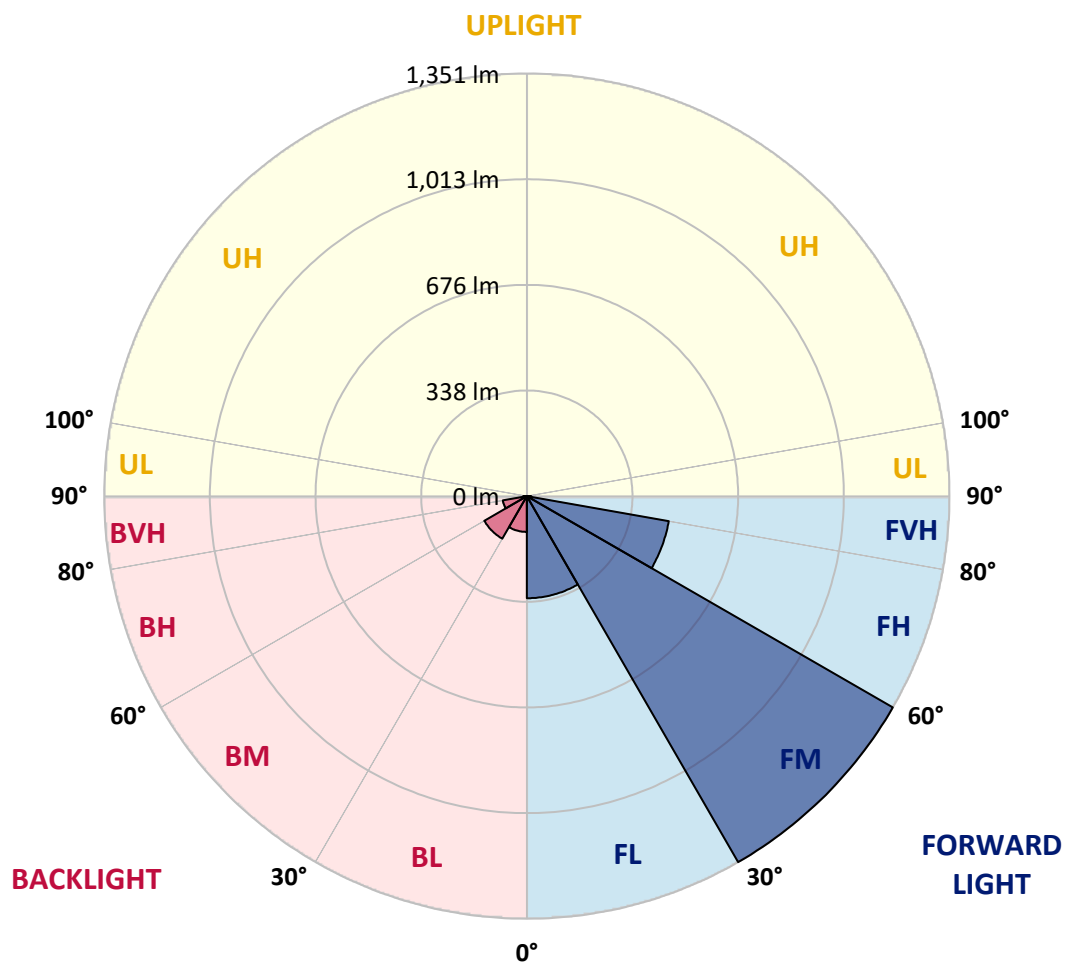
CATALOG NUMBER: CCP-SA-1A-730-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	326.3	13.0			
FM	(30°-60°)	1351.1	53.7			
FH	(60°-80°)	460.7	18.3			G0/660
FVH	(80°-90°)	14.5	0.6			G1/100
BL	(0°-30°)	114.4	4.6	B1/500		
BM	(30°-60°)	157.1	6.2	B0/220		
BH	(60°-80°)	78.0	3.1	B0/110		G0/110
BVH	(80°-90°)	11.9	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





REPORT NUMBER: P671944

CATALOG NUMBER: CCP-SA-1A-730-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	557.6	557.6	557.6	557.6	557.6	557.6	557.6	557.6	557.6	557.6	557.6
2.5°	648.8	646.5	646.5	640.5	631.5	619.1	604.4	600.7	595.1	580.7	562.1
5°	747.8	745.2	741.8	731.2	714.6	689.8	658.7	653.0	632.8	603.1	569.6
7.5°	813.2	811.7	810.6	801.5	785.1	760.7	719.0	712.6	678.4	629.2	576.7
10°	806.5	810.8	818.5	824.9	828.1	815.6	776.4	768.9	726.5	659.4	587.3
12.5°	743.2	749.4	763.6	789.7	819.8	844.0	821.8	817.6	777.8	691.5	600.6
15°	696.2	698.8	705.7	725.0	769.8	834.5	856.9	853.1	825.8	732.7	615.9
17.5°	681.6	682.7	684.4	690.7	721.4	797.5	871.3	875.0	872.2	775.5	633.2
20°	688.9	689.7	689.8	690.9	705.5	766.5	867.5	873.7	913.0	818.3	650.3
22.5°	717.0	716.1	714.8	710.6	718.8	761.1	857.3	867.1	944.6	857.3	666.2
25°	766.0	764.7	755.8	747.1	750.5	780.8	851.8	862.4	969.2	894.1	677.8
27.5°	824.3	823.0	813.9	797.3	793.7	813.6	864.6	871.1	987.2	926.7	682.9
30°	884.8	884.8	873.5	854.4	842.7	851.1	888.1	893.4	1000.9	958.2	686.2
32.5°	950.8	952.6	935.1	913.2	900.3	895.4	921.1	925.6	1020.7	995.4	693.1
35°	1035.5	1031.5	1010.2	981.4	960.6	949.5	961.9	967.2	1049.9	1041.7	704.2
37.5°	1130.8	1123.7	1097.4	1063.0	1026.7	1008.2	1016.4	1017.6	1093.1	1102.0	724.5
40°	1209.5	1208.2	1186.0	1153.4	1107.6	1082.7	1078.7	1079.4	1153.0	1173.4	755.1
42.5°	1275.8	1271.1	1267.1	1255.6	1207.1	1166.1	1149.7	1149.9	1218.1	1247.2	785.9
45°	1305.2	1304.2	1316.1	1345.6	1310.8	1262.5	1239.2	1242.5	1292.6	1323.0	815.6
47.5°	1292.6	1293.3	1325.0	1402.5	1423.0	1386.1	1344.7	1342.7	1364.7	1381.1	841.8
50°	1180.3	1192.2	1278.0	1407.7	1496.7	1515.1	1468.4	1460.9	1428.0	1427.4	857.8
52.5°	1095.6	1095.1	1147.7	1354.0	1522.7	1631.5	1589.6	1572.8	1480.3	1453.5	859.1
55°	981.2	980.5	1019.6	1196.7	1471.0	1712.8	1703.8	1682.9	1528.2	1462.0	850.4
57.5°	743.0	756.9	795.9	958.0	1307.0	1699.8	1813.0	1795.5	1575.0	1458.2	848.7
60°	404.3	402.7	459.2	624.4	1000.7	1553.0	1860.5	1859.6	1624.7	1456.8	858.7
62.5°	186.4	184.6	195.9	278.0	573.8	1244.1	1768.7	1781.8	1670.8	1443.4	857.8
65°	139.4	134.7	119.3	129.4	219.6	742.7	1502.3	1537.3	1599.8	1388.8	818.1
67.5°	124.3	119.7	101.9	95.5	110.2	262.0	1089.8	1122.0	1337.8	1286.4	753.8
70°	113.9	109.9	92.0	82.0	82.7	116.1	570.5	633.9	980.5	1073.6	642.5
72.5°	103.9	100.4	84.2	72.2	69.6	76.7	194.4	234.5	609.8	782.4	479.0
75°	93.3	90.0	75.8	64.7	59.8	56.8	92.6	99.7	322.5	432.0	257.1
77.5°	81.1	79.3	67.6	57.0	52.8	43.0	61.6	64.7	138.1	169.6	122.4
80°	70.5	69.1	60.3	51.7	47.4	33.2	42.5	44.6	68.1	84.7	68.5
82.5°	45.9	49.6	49.9	44.5	41.7	26.6	28.1	29.7	45.2	49.9	29.9
85°	18.9	23.0	34.4	30.6	29.0	22.6	18.6	18.9	27.7	29.2	10.8
87.5°	8.6	9.5	16.9	17.1	14.9	8.6	9.3	10.2	14.2	14.0	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P671944

CATALOG NUMBER: CCP-SA-1A-730-U-AFL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	557.6	557.6	557.6	557.6	557.6	557.6	557.6	557.6	557.6	557.6	557.6
2.5°	557.0	548.6	533.7	514.6	500.9	490.9	479.9	471.9	463.0	455.2	456.4
5°	555.7	539.5	506.0	470.5	435.8	407.4	383.7	366.2	348.2	341.1	340.2
7.5°	556.8	529.3	474.3	416.2	363.5	327.2	299.7	283.2	272.8	266.8	267.1
10°	556.5	519.7	440.0	359.9	302.3	269.1	252.4	246.9	246.0	246.7	247.8
12.5°	557.0	506.5	401.6	309.2	258.4	241.4	242.2	247.1	250.2	252.2	253.5
15°	559.4	495.8	362.2	269.3	235.4	236.0	243.8	251.4	256.0	258.2	259.3
17.5°	562.8	482.3	327.2	239.1	225.8	234.1	244.3	252.5	256.0	257.3	258.2
20°	563.2	466.8	291.9	218.3	219.4	230.3	239.2	245.8	250.2	251.6	252.4
22.5°	561.6	445.9	255.6	203.2	212.1	223.0	230.7	238.1	232.3	227.6	226.3
25°	554.6	419.4	224.7	190.8	203.0	213.2	221.9	213.7	211.0	207.4	207.7
27.5°	539.7	386.5	195.5	179.1	192.2	206.8	200.4	199.3	195.9	192.2	192.2
30°	520.0	351.7	171.1	166.9	179.3	186.6	188.0	186.4	184.4	179.7	180.0
32.5°	502.3	314.9	153.8	156.7	171.1	171.1	177.5	177.5	170.2	156.9	156.9
35°	484.9	280.2	141.0	148.1	157.6	160.7	169.5	158.0	147.6	141.6	141.2
37.5°	471.2	250.7	132.6	140.8	144.5	152.3	152.5	144.1	140.7	135.2	134.7
40°	463.2	225.9	127.5	137.2	137.6	144.9	132.8	135.2	134.5	130.3	129.7
42.5°	458.8	206.8	123.7	134.1	132.3	125.2	123.0	127.0	128.3	126.1	125.2
45°	455.3	191.9	120.6	123.4	128.1	115.2	114.2	117.3	120.1	119.9	119.2
47.5°	453.5	181.5	117.9	116.6	117.5	109.1	107.3	108.8	112.2	114.4	114.2
50°	446.4	173.5	113.9	109.7	103.9	103.9	102.9	102.9	107.1	111.5	111.9
52.5°	433.8	164.0	108.0	103.1	96.4	99.3	99.7	98.9	103.3	108.0	108.4
55°	420.0	156.9	100.2	97.1	90.2	95.1	96.8	96.0	98.9	102.2	102.0
57.5°	420.2	156.7	93.5	91.1	84.4	89.8	93.8	94.0	93.8	96.2	96.2
60°	430.7	160.3	88.2	83.1	77.6	84.2	90.7	90.7	89.5	92.9	93.3
62.5°	433.8	160.0	84.9	75.4	71.6	79.1	86.2	87.3	86.4	91.3	91.8
65°	406.5	151.4	81.6	68.5	66.1	73.4	80.5	83.6	82.7	89.1	89.8
67.5°	368.6	140.3	76.5	62.3	60.5	68.0	74.7	78.0	77.8	86.2	86.5
70°	317.8	126.6	70.1	55.9	55.0	61.6	67.6	71.1	72.7	82.4	82.2
72.5°	246.2	108.6	60.5	49.2	49.0	55.0	60.3	64.1	67.2	76.5	76.5
75°	158.7	85.5	49.4	42.6	41.9	47.6	53.0	57.4	66.9	81.6	81.4
77.5°	96.9	65.2	39.7	35.5	35.3	40.5	45.9	53.4	73.1	72.7	70.7
80°	58.1	46.8	31.7	28.4	28.4	33.2	39.2	57.2	60.7	69.2	65.4
82.5°	30.2	28.8	23.7	21.0	21.9	26.1	35.7	45.7	49.6	42.1	38.6
85°	12.4	15.3	14.6	13.3	13.8	18.0	34.4	36.6	29.3	30.8	31.0
87.5°	4.2	6.7	6.7	5.3	5.8	12.8	20.4	12.2	14.8	8.7	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)