

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: P672000

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

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672000
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-827-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ AFL
distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2562 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

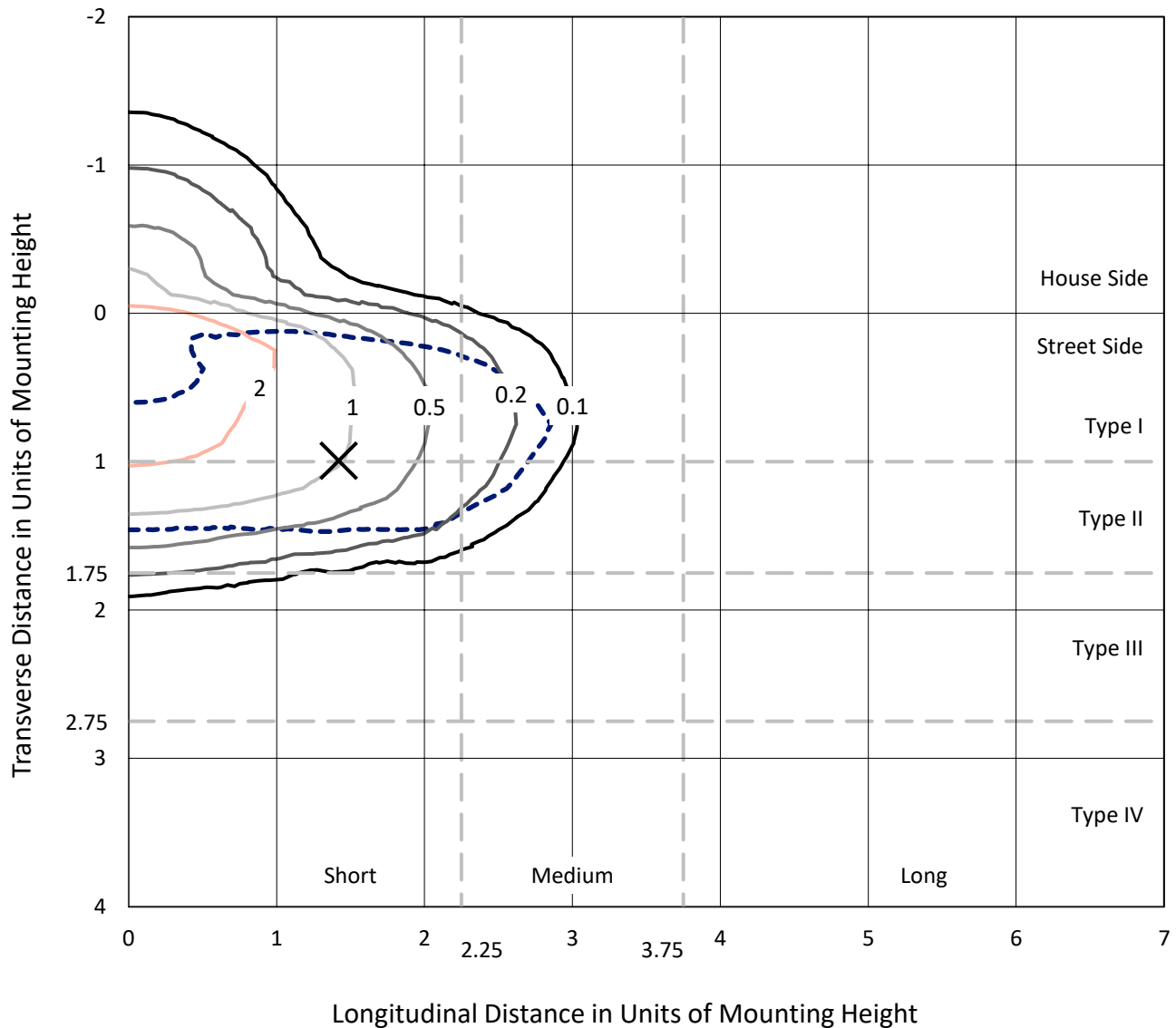
Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

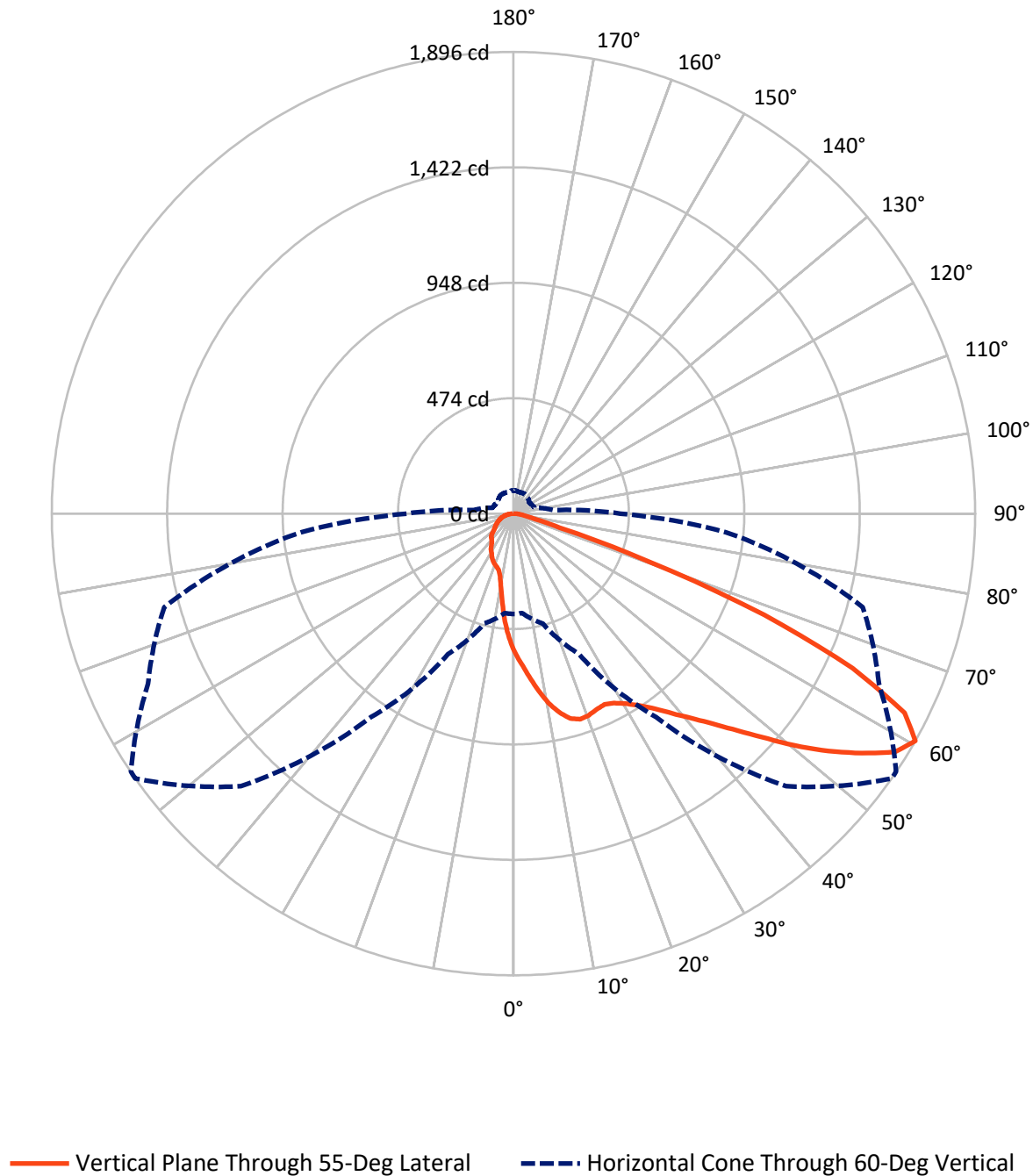
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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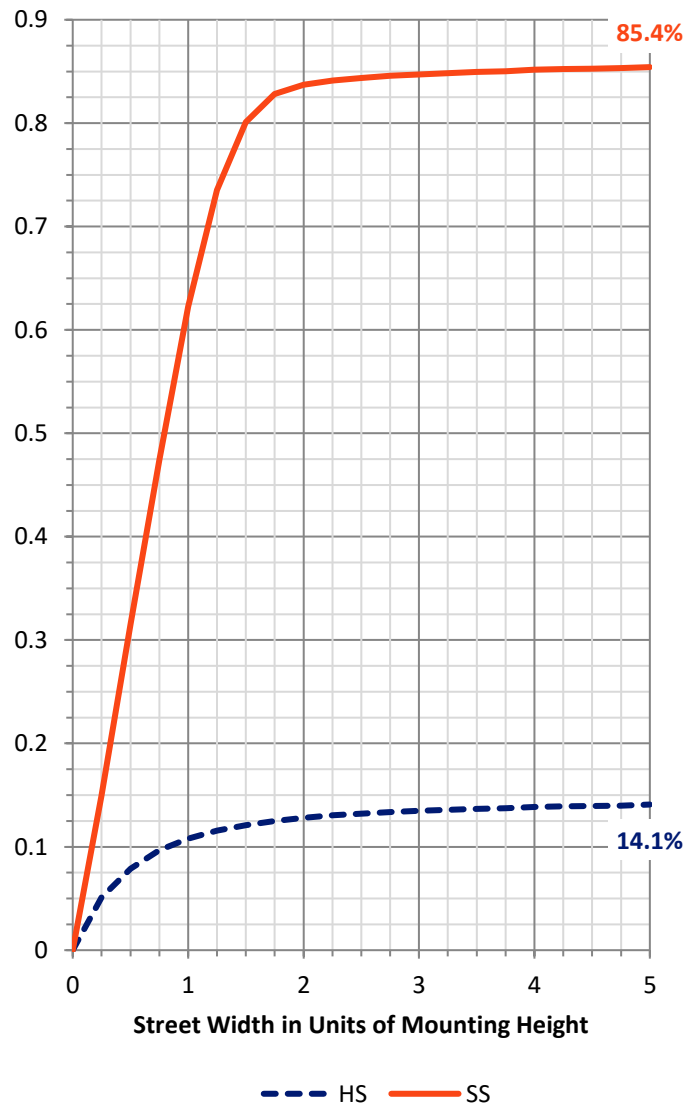
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	368.3	0.0	368.3
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	2193.7	0.0	2193.7
	% Fixture	85.6	0.0	85.6
Total	Lumens	2562.0	0.0	2562.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.2	2.1
10°-20°	150.6	5.9
20°-30°	245.3	9.6
30°-40°	366.6	14.3
40°-50°	538.8	21.0
50°-60°	631.5	24.6
60°-70°	416.4	16.3
70°-80°	132.6	5.2
80°-90°	27.0	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°	2562.0	100.0
0°-180°	2562.0	100.0



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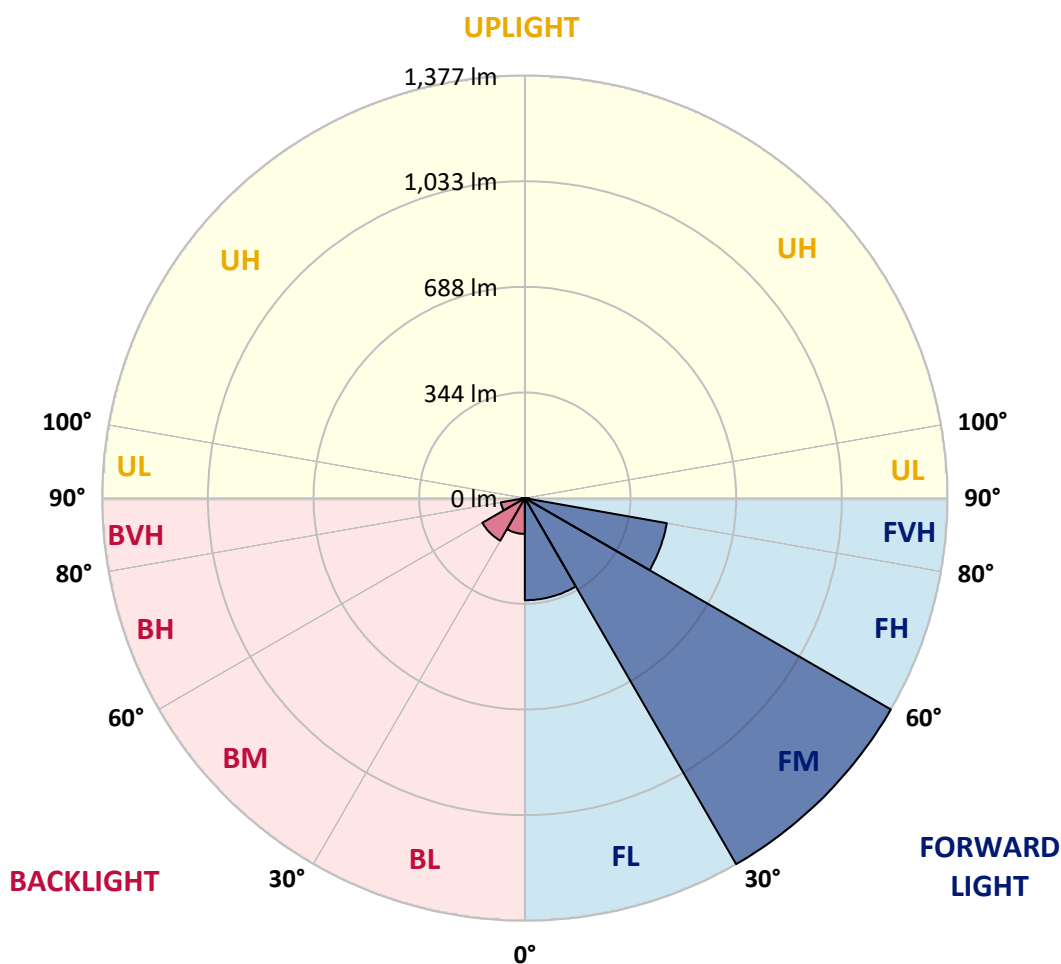
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	332.5	13.0			
FM	(30°-60°)	1376.9	53.7			
FH	(60°-80°)	469.5	18.3			G0/660
FVH	(80°-90°)	14.8	0.6			G1/100
BL	(0°-30°)	116.6	4.6	B1/500		
BM	(30°-60°)	160.1	6.2	B0/220		
BH	(60°-80°)	79.5	3.1	B0/110		G0/110
BVH	(80°-90°)	12.2	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°	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2
2.5°	661.2	658.8	658.8	652.7	643.6	630.9	615.9	612.2	606.4	591.8	572.8
5°	762.0	759.4	755.9	745.1	728.2	703.0	671.2	665.5	644.9	614.6	580.4
7.5°	828.7	827.2	826.1	816.8	800.1	775.2	732.7	726.2	691.3	641.2	587.7
10°	821.8	826.3	834.1	840.6	843.9	831.1	791.2	783.6	740.3	672.0	598.5
12.5°	757.4	763.7	778.2	804.7	835.4	860.1	837.4	833.2	792.7	704.7	612.0
15°	709.5	712.1	719.1	738.8	784.5	850.4	873.3	869.4	841.5	746.6	627.6
17.5°	694.6	695.8	697.4	703.9	735.1	812.7	887.9	891.6	888.9	790.3	645.2
20°	702.1	702.8	703.0	704.1	719.0	781.2	884.0	890.3	930.5	833.9	662.7
22.5°	730.7	729.7	728.4	724.2	732.5	775.6	873.6	883.7	962.6	873.6	678.9
25°	780.6	779.3	770.2	761.3	764.8	795.7	868.1	878.8	987.6	911.1	690.7
27.5°	840.0	838.7	829.4	812.5	808.8	829.1	881.1	887.7	1006.0	944.4	695.9
30°	901.7	901.7	890.2	870.7	858.8	867.3	905.0	910.4	1020.0	976.5	699.3
32.5°	968.9	970.7	952.9	930.6	917.5	912.4	938.6	943.3	1040.2	1014.4	706.3
35°	1055.2	1051.1	1029.4	1000.1	978.9	967.6	980.2	985.6	1069.9	1061.5	717.7
37.5°	1152.3	1145.1	1118.4	1083.3	1046.3	1027.4	1035.7	1037.0	1113.9	1123.0	738.3
40°	1232.6	1231.3	1208.6	1175.4	1128.8	1103.3	1099.2	1100.0	1175.0	1195.8	769.5
42.5°	1300.1	1295.3	1291.2	1279.5	1230.1	1188.4	1171.7	1171.8	1241.3	1271.0	800.8
45°	1330.0	1329.1	1341.2	1371.3	1335.8	1286.6	1262.8	1266.2	1317.2	1348.2	831.1
47.5°	1317.2	1318.0	1350.3	1429.2	1450.2	1412.5	1370.3	1368.3	1390.8	1407.5	857.9
50°	1202.9	1214.9	1302.4	1434.6	1525.2	1544.0	1496.4	1488.8	1455.2	1454.6	874.2
52.5°	1116.5	1116.0	1169.6	1379.8	1551.7	1662.6	1619.9	1602.8	1508.5	1481.2	875.5
55°	999.9	999.2	1039.1	1219.6	1499.0	1745.4	1736.3	1715.0	1557.3	1489.9	866.6
57.5°	757.2	771.3	811.1	976.3	1331.9	1732.2	1847.5	1829.7	1605.0	1486.0	864.9
60°	412.0	410.4	467.9	636.3	1019.8	1582.6	1896.0	1895.1	1655.7	1484.5	875.1
62.5°	190.0	188.1	199.6	283.4	584.7	1267.8	1802.4	1815.8	1702.7	1471.0	874.2
65°	142.0	137.2	121.6	131.8	223.7	756.8	1531.0	1566.6	1630.3	1415.3	833.7
67.5°	126.6	122.0	103.8	97.3	112.3	267.0	1110.6	1143.4	1363.3	1310.9	768.2
70°	116.1	112.0	93.8	83.6	84.3	118.3	581.4	646.0	999.2	1094.0	654.7
72.5°	105.8	102.3	85.8	73.5	70.9	78.2	198.1	239.0	621.5	797.3	488.2
75°	95.1	91.7	77.2	65.9	60.9	57.9	94.3	101.6	328.7	440.3	262.0
77.5°	82.6	80.8	68.9	58.1	53.8	43.8	62.8	65.9	140.7	172.9	124.8
80°	71.9	70.4	61.5	52.7	48.3	33.8	43.3	45.5	69.4	86.3	69.8
82.5°	46.8	50.5	50.9	45.3	42.5	27.1	28.6	30.3	46.0	50.9	30.5
85°	19.3	23.4	35.1	31.2	29.5	23.0	18.9	19.3	28.2	29.7	11.0
87.5°	8.7	9.7	17.3	17.5	15.2	8.7	9.5	10.4	14.5	14.3	4.8
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°	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2
2.5°	567.6	559.1	543.9	524.4	510.4	500.2	489.1	480.9	471.8	463.8	465.1
5°	566.3	549.8	515.6	479.4	444.2	415.2	391.0	373.2	354.8	347.6	346.7
7.5°	567.4	539.4	483.3	424.1	370.4	333.5	305.4	288.6	278.0	271.8	272.2
10°	567.1	529.6	448.4	366.7	308.0	274.3	257.2	251.6	250.7	251.4	252.5
12.5°	567.6	516.2	409.2	315.1	263.3	246.0	246.8	251.8	254.9	257.0	258.3
15°	570.0	505.2	369.1	274.4	239.9	240.5	248.4	256.2	260.9	263.1	264.2
17.5°	573.6	491.5	333.5	243.6	230.1	238.6	249.0	257.4	260.9	262.2	263.1
20°	573.9	475.7	297.5	222.4	223.6	234.7	243.8	250.5	254.9	256.4	257.2
22.5°	572.3	454.4	260.5	207.0	216.1	227.3	235.1	242.7	236.7	231.9	230.6
25°	565.2	427.4	228.9	194.4	206.9	217.2	226.2	217.8	215.0	211.3	211.7
27.5°	550.0	393.8	199.2	182.5	195.9	210.7	204.3	203.1	199.6	195.9	195.9
30°	529.9	358.4	174.4	170.1	182.7	190.1	191.6	190.0	187.9	183.1	183.5
32.5°	511.9	320.9	156.7	159.7	174.4	174.4	180.9	180.9	173.4	159.9	159.9
35°	494.1	285.6	143.7	151.0	160.6	163.8	172.7	161.0	150.4	144.3	143.9
37.5°	480.2	255.5	135.2	143.5	147.2	155.2	155.4	146.9	143.3	137.8	137.2
40°	472.0	230.2	130.0	139.8	140.2	147.6	135.4	137.8	137.0	132.8	132.2
42.5°	467.5	210.7	126.1	136.7	134.8	127.6	125.3	129.4	130.7	128.5	127.6
45°	464.0	195.5	122.9	125.7	130.5	117.4	116.4	119.6	122.4	122.2	121.4
47.5°	462.2	184.9	120.1	118.8	119.8	111.2	109.4	110.9	114.4	116.6	116.4
50°	454.9	176.8	116.1	111.8	105.8	105.8	104.9	104.9	109.2	113.6	114.0
52.5°	442.1	167.1	110.1	105.1	98.2	101.2	101.6	100.8	105.3	110.1	110.5
55°	428.0	159.9	102.1	99.0	91.9	96.9	98.6	97.9	100.8	104.2	104.0
57.5°	428.2	159.7	95.3	92.8	86.0	91.5	95.6	95.8	95.6	98.0	98.0
60°	439.0	163.4	89.9	84.7	79.1	85.8	92.5	92.5	91.2	94.7	95.1
62.5°	442.1	163.0	86.5	76.9	73.0	80.6	87.8	88.9	88.0	93.0	93.6
65°	414.3	154.3	83.2	69.8	67.4	74.8	82.1	85.2	84.3	90.8	91.5
67.5°	375.6	143.0	78.0	63.5	61.6	69.3	76.1	79.5	79.3	87.8	88.2
70°	323.8	129.0	71.5	57.0	56.1	62.8	68.9	72.4	74.1	83.9	83.7
72.5°	250.9	110.7	61.6	50.1	49.9	56.1	61.5	65.4	68.5	78.0	78.0
75°	161.7	87.1	50.3	43.4	42.7	48.5	54.0	58.5	68.1	83.2	83.0
77.5°	98.8	66.5	40.5	36.2	36.0	41.2	46.8	54.4	74.5	74.1	72.0
80°	59.2	47.7	32.3	29.0	29.0	33.8	39.9	58.3	61.8	70.6	66.7
82.5°	30.8	29.3	24.1	21.4	22.3	26.6	36.4	46.6	50.5	42.9	39.4
85°	12.6	15.6	14.9	13.6	14.1	18.4	35.1	37.3	29.9	31.4	31.6
87.5°	4.3	6.9	6.9	5.4	5.9	13.0	20.8	12.4	15.0	8.9	6.7
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)