

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: P672021

Luminaire Tested: **CCP-SA-1A-835-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672021
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-835-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ AFL
distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2274.9 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

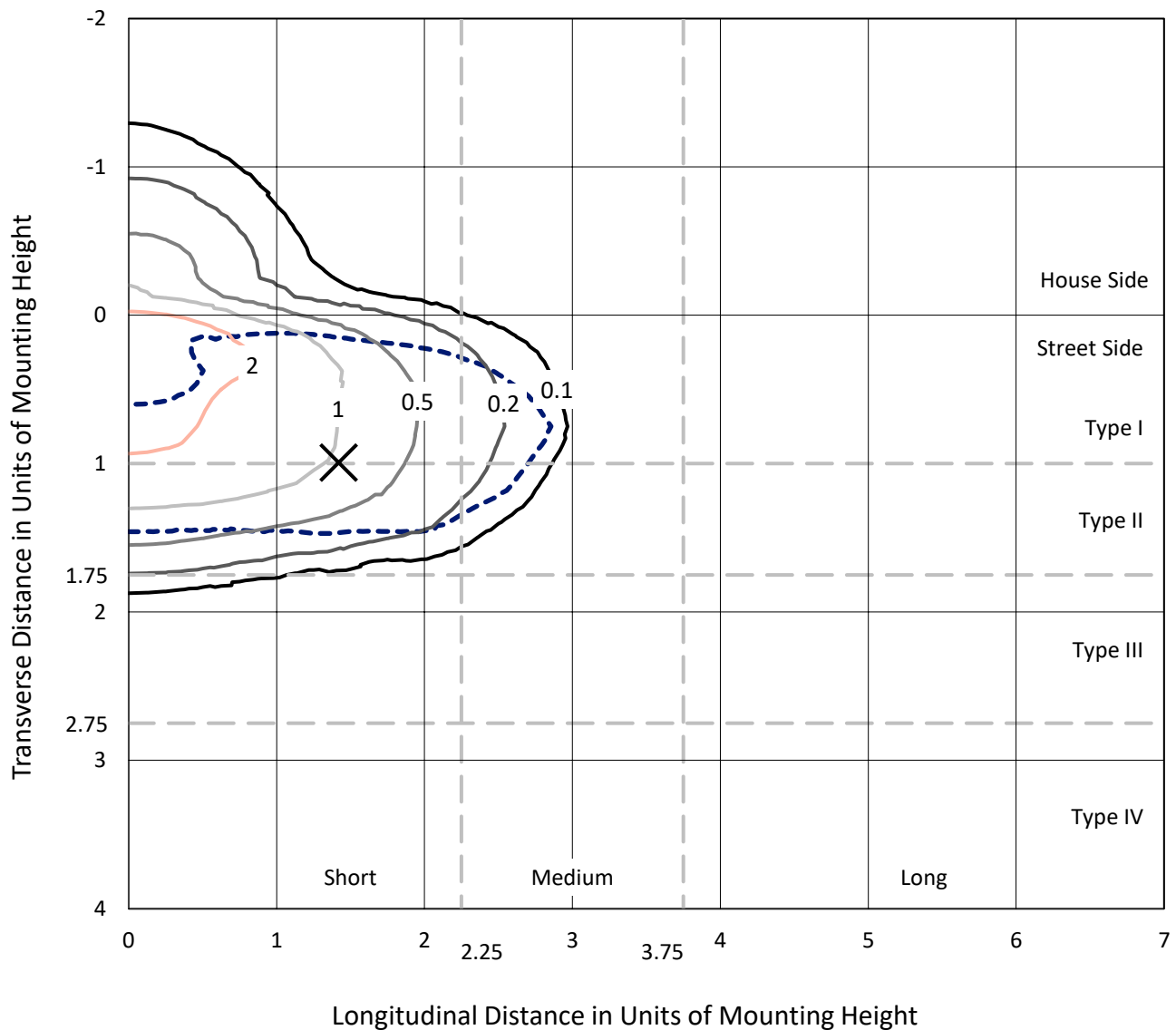
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

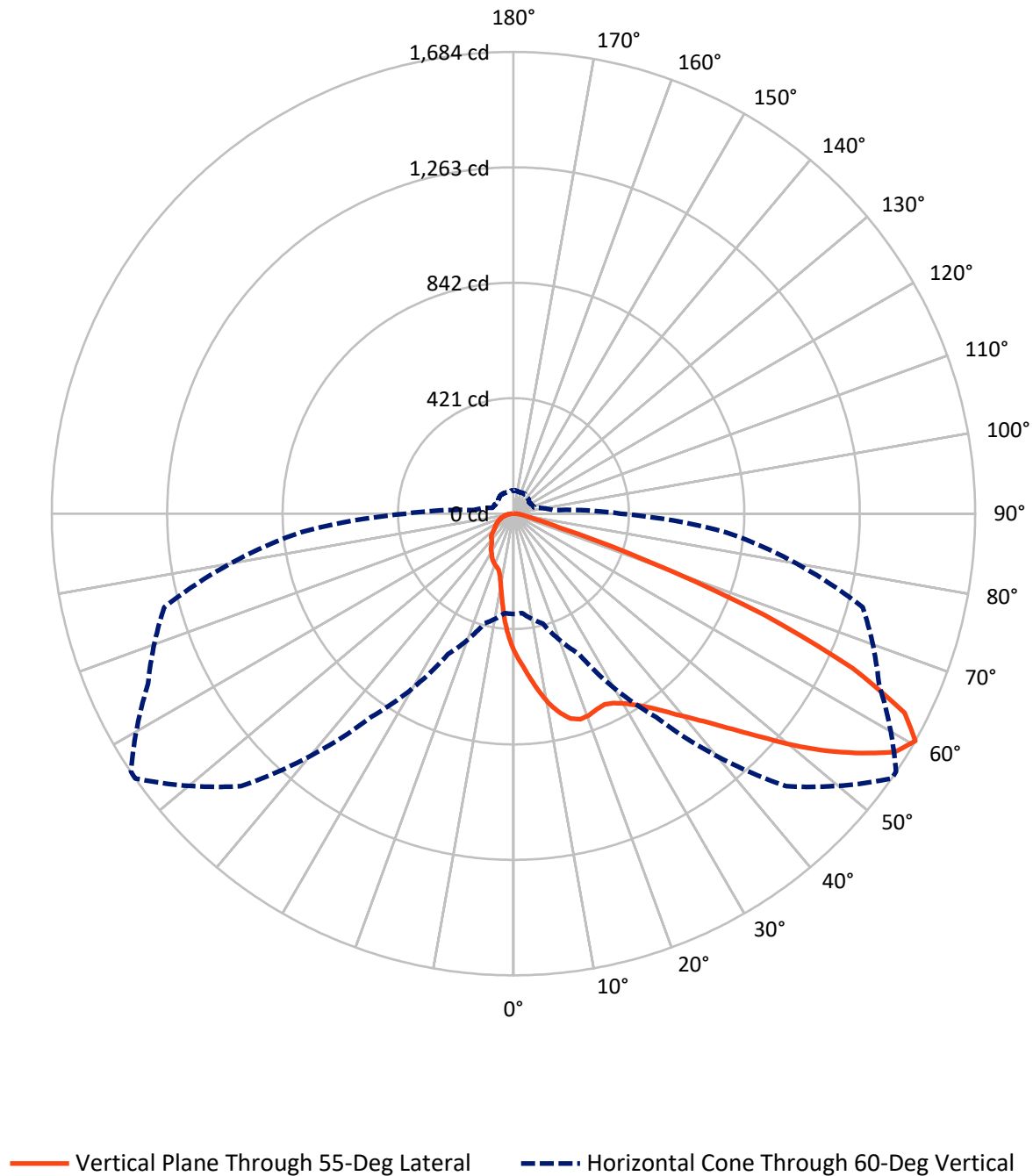
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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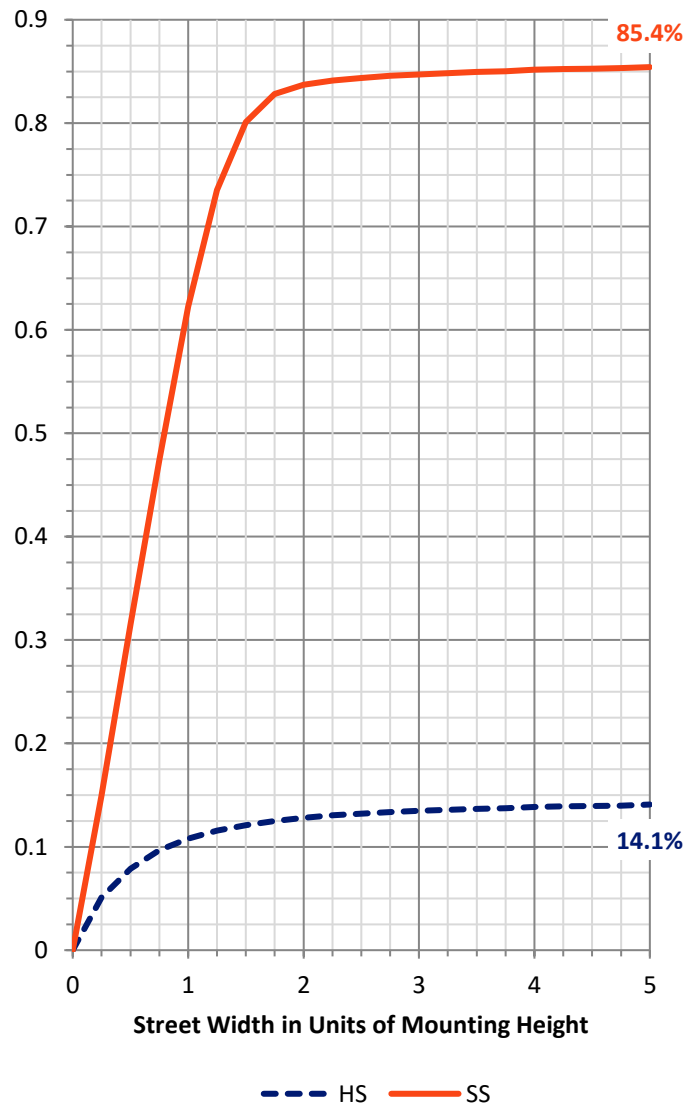
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	327.0	0.0	327.0
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	1947.9	0.0	1947.9
	% Fixture	85.6	0.0	85.6
Total	Lumens	2274.9	0.0	2274.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.2	2.1
10°-20°	133.8	5.9
20°-30°	217.8	9.6
30°-40°	325.5	14.3
40°-50°	478.4	21.0
50°-60°	560.8	24.6
60°-70°	369.7	16.3
70°-80°	117.7	5.2
80°-90°	23.9	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°	2274.9	100.0
0°-180°	2274.9	100.0

Coefficient of Utilization



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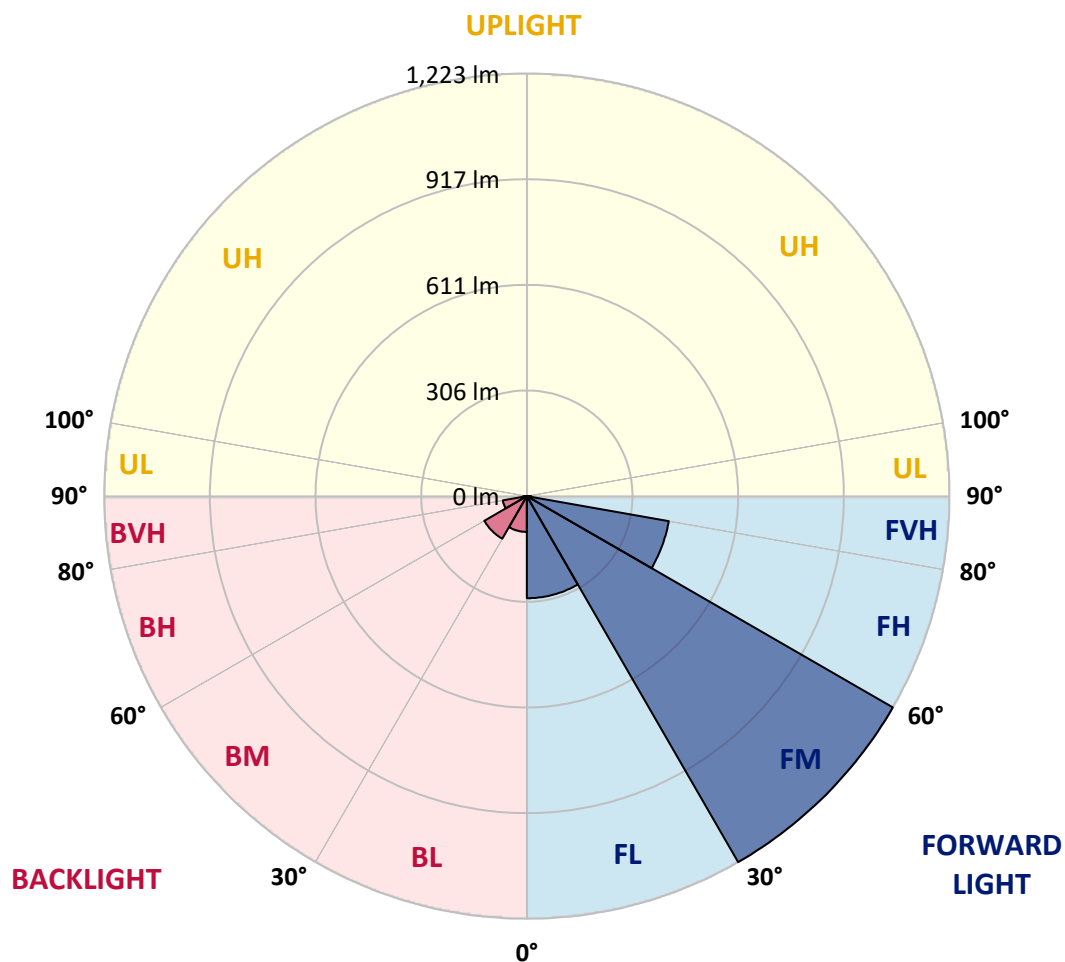
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	295.3	13.0			
FM	(30°-60°)	1222.6	53.7			
FH	(60°-80°)	416.9	18.3			G0/660
FVH	(80°-90°)	13.1	0.6			G1/100
BL	(0°-30°)	103.5	4.6	B0/110		
BM	(30°-60°)	142.1	6.2	B0/220		
BH	(60°-80°)	70.6	3.1	B0/110		G0/110
BVH	(80°-90°)	10.8	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	504.5	504.5	504.5	504.5	504.5	504.5	504.5	504.5	504.5	504.5	504.5
2.5°	587.1	585.0	585.0	579.6	571.5	560.3	546.9	543.6	538.5	525.5	508.7
5°	676.7	674.4	671.2	661.7	646.7	624.2	596.0	590.9	572.6	545.8	515.4
7.5°	735.9	734.5	733.5	725.3	710.5	688.4	650.6	644.8	613.8	569.3	521.8
10°	729.8	733.7	740.6	746.4	749.4	738.0	702.6	695.8	657.4	596.7	531.4
12.5°	672.5	678.1	691.0	714.6	741.8	763.7	743.6	739.8	703.9	625.7	543.4
15°	630.0	632.3	638.6	656.1	696.6	755.1	775.4	772.0	747.2	663.0	557.3
17.5°	616.8	617.8	619.3	625.1	652.8	721.7	788.5	791.8	789.3	701.7	573.0
20°	623.4	624.1	624.2	625.2	638.4	693.6	785.0	790.6	826.2	740.5	588.5
22.5°	648.8	648.0	646.8	643.0	650.4	688.7	775.8	784.7	854.7	775.8	602.8
25°	693.2	692.0	683.9	676.0	679.1	706.5	770.8	780.4	877.0	809.1	613.4
27.5°	745.9	744.8	736.5	721.5	718.2	736.2	782.4	788.3	893.3	838.6	618.0
30°	800.7	800.7	790.4	773.1	762.6	770.2	803.6	808.4	905.7	867.1	620.9
32.5°	860.3	862.0	846.2	826.4	814.7	810.2	833.5	837.6	923.7	900.7	627.2
35°	937.0	933.4	914.1	888.0	869.2	859.2	870.4	875.2	950.0	942.6	637.3
37.5°	1023.2	1016.8	993.1	961.9	929.1	912.3	919.7	920.9	989.1	997.2	655.6
40°	1094.5	1093.3	1073.2	1043.7	1002.3	979.7	976.1	976.7	1043.4	1061.8	683.3
42.5°	1154.5	1150.2	1146.6	1136.2	1092.3	1055.2	1040.4	1040.6	1102.2	1128.6	711.1
45°	1181.0	1180.2	1190.9	1217.6	1186.1	1142.4	1121.3	1124.3	1169.7	1197.2	738.0
47.5°	1169.7	1170.3	1199.0	1269.1	1287.7	1254.2	1216.8	1215.0	1234.9	1249.8	761.7
50°	1068.1	1078.8	1156.5	1273.9	1354.3	1371.0	1328.8	1322.0	1292.2	1291.7	776.3
52.5°	991.4	990.9	1038.6	1225.2	1377.9	1476.3	1438.4	1423.2	1339.5	1315.2	777.4
55°	887.9	887.2	922.7	1082.9	1331.1	1549.9	1541.8	1522.8	1382.8	1323.0	769.5
57.5°	672.4	684.9	720.2	866.9	1182.7	1538.2	1640.5	1624.7	1425.2	1319.5	768.0
60°	365.9	364.4	415.5	565.0	905.5	1405.3	1683.6	1682.8	1470.2	1318.2	777.1
62.5°	168.7	167.0	177.2	251.6	519.2	1125.8	1600.5	1612.4	1511.9	1306.2	776.3
65°	126.1	121.8	108.0	117.1	198.7	672.0	1359.4	1391.1	1447.6	1256.7	740.3
67.5°	112.4	108.3	92.2	86.4	99.8	237.1	986.1	1015.3	1210.5	1164.0	682.1
70°	103.0	99.4	83.3	74.2	74.9	105.0	516.2	573.6	887.2	971.5	581.4
72.5°	94.0	90.8	76.2	65.3	63.0	69.4	175.9	212.2	551.9	708.0	433.5
75°	84.4	81.5	68.6	58.5	54.1	51.4	83.8	90.2	291.8	390.9	232.6
77.5°	73.4	71.7	61.2	51.6	47.8	38.9	55.7	58.5	125.0	153.5	110.8
80°	63.8	62.5	54.6	46.8	42.9	30.0	38.4	40.4	61.7	76.7	62.0
82.5°	41.5	44.8	45.2	40.2	37.8	24.1	25.4	26.9	40.9	45.2	27.0
85°	17.1	20.8	31.2	27.7	26.2	20.4	16.8	17.1	25.1	26.4	9.7
87.5°	7.7	8.6	15.3	15.5	13.5	7.7	8.4	9.2	12.9	12.7	4.3
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°	504.5	504.5	504.5	504.5	504.5	504.5	504.5	504.5	504.5	504.5	504.5
2.5°	504.0	496.5	482.9	465.6	453.3	444.2	434.3	427.0	419.0	411.9	413.0
5°	502.9	488.2	457.9	425.7	394.4	368.7	347.2	331.4	315.1	308.7	307.8
7.5°	503.9	479.0	429.2	376.6	328.9	296.1	271.2	256.2	246.8	241.4	241.7
10°	503.5	470.2	398.2	325.6	273.5	243.5	228.4	223.4	222.6	223.2	224.2
12.5°	504.0	458.4	363.4	279.8	233.8	218.5	219.1	223.6	226.4	228.2	229.3
15°	506.2	448.6	327.8	243.7	213.0	213.5	220.6	227.5	231.7	233.6	234.6
17.5°	509.3	436.4	296.1	216.3	204.3	211.9	221.1	228.5	231.7	232.8	233.6
20°	509.6	422.4	264.1	197.5	198.5	208.4	216.5	222.4	226.4	227.7	228.4
22.5°	508.2	403.5	231.3	183.8	191.9	201.8	208.7	215.5	210.2	205.9	204.8
25°	501.9	379.6	203.3	172.6	183.7	192.9	200.8	193.4	190.9	187.6	188.0
27.5°	488.4	349.7	176.9	162.1	173.9	187.1	181.4	180.4	177.2	173.9	173.9
30°	470.6	318.2	154.8	151.0	162.2	168.8	170.2	168.7	166.9	162.6	162.9
32.5°	454.6	284.9	139.2	141.8	154.8	154.8	160.6	160.6	154.0	142.0	142.0
35°	438.7	253.6	127.6	134.0	142.6	145.4	153.3	143.0	133.6	128.1	127.8
37.5°	426.4	226.9	120.0	127.5	130.7	137.8	138.0	130.4	127.3	122.3	121.8
40°	419.1	204.5	115.4	124.2	124.5	131.1	120.2	122.3	121.7	117.9	117.4
42.5°	415.2	187.1	112.0	121.4	119.7	113.3	111.3	114.9	116.1	114.1	113.3
45°	412.0	173.6	109.2	111.6	115.9	104.2	103.4	106.2	108.7	108.5	107.8
47.5°	410.4	164.2	106.7	105.5	106.3	98.8	97.1	98.4	101.6	103.5	103.4
50°	404.0	157.0	103.0	99.3	94.0	94.0	93.2	93.2	96.9	100.9	101.2
52.5°	392.6	148.4	97.8	93.3	87.2	89.9	90.2	89.5	93.5	97.8	98.1
55°	380.0	142.0	90.7	87.9	81.6	86.1	87.6	86.9	89.5	92.5	92.3
57.5°	380.2	141.8	84.6	82.4	76.3	81.3	84.9	85.1	84.9	87.1	87.1
60°	389.8	145.1	79.8	75.2	70.2	76.2	82.1	82.1	81.0	84.1	84.4
62.5°	392.6	144.8	76.8	68.3	64.8	71.6	78.0	79.0	78.2	82.6	83.1
65°	367.8	137.0	73.9	62.0	59.9	66.4	72.9	75.7	74.9	80.6	81.3
67.5°	333.6	127.0	69.2	56.4	54.7	61.5	67.6	70.6	70.4	78.0	78.3
70°	287.5	114.6	63.5	50.6	49.8	55.7	61.2	64.3	65.8	74.5	74.4
72.5°	222.8	98.3	54.7	44.5	44.4	49.8	54.6	58.0	60.8	69.2	69.2
75°	143.6	77.3	44.7	38.6	37.9	43.0	48.0	51.9	60.5	73.9	73.7
77.5°	87.7	59.0	35.9	32.2	32.0	36.6	41.5	48.3	66.1	65.8	64.0
80°	52.6	42.4	28.7	25.7	25.7	30.0	35.4	51.8	54.9	62.7	59.2
82.5°	27.4	26.1	21.4	19.0	19.8	23.6	32.3	41.4	44.8	38.1	35.0
85°	11.2	13.8	13.2	12.0	12.5	16.3	31.2	33.1	26.5	27.9	28.0
87.5°	3.8	6.1	6.1	4.8	5.3	11.5	18.5	11.0	13.4	7.9	5.9
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)