

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: P671999

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671999
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-827-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ AFL distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

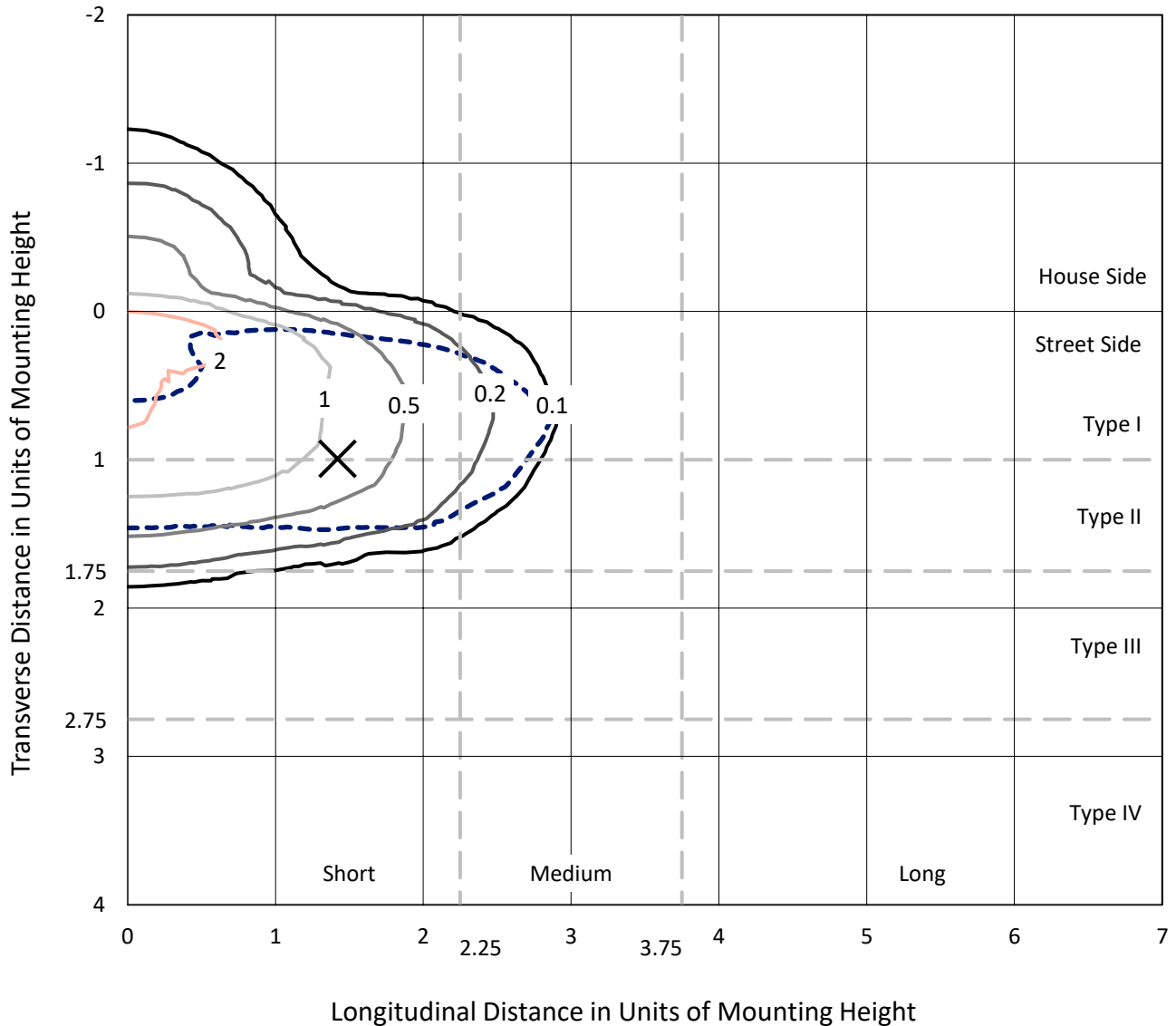
Lumens per Lamp: N/A
Luminaire Lumens: 2029.5 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

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

REPORT NUMBER: P671999
 CATALOG NUMBER: CCP-SA-1A-827-U-AFL

Iso-Footcandle Lines of Horizontal Illumination

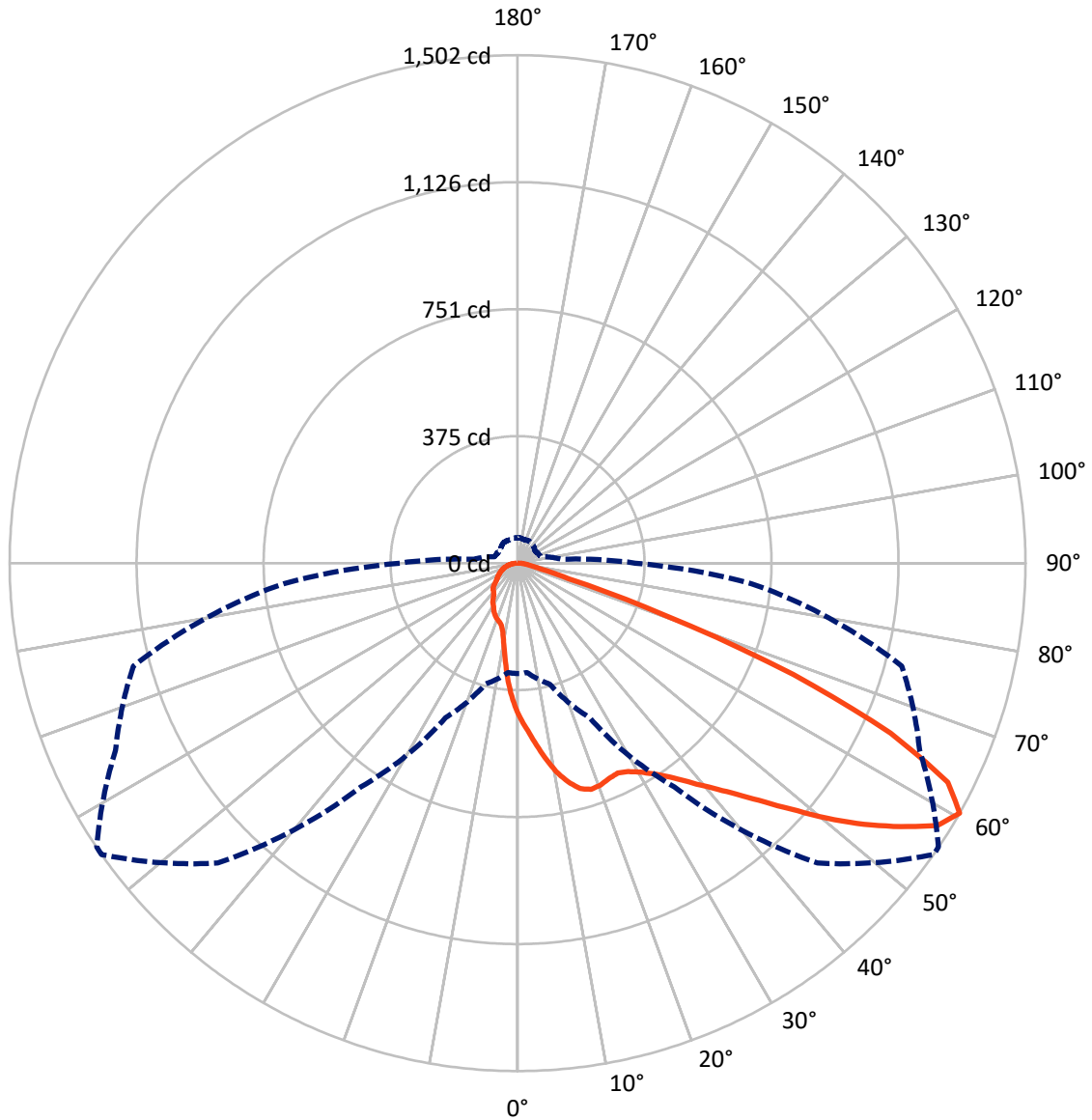
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Short - N/A

REPORT NUMBER: P671999
CATALOG NUMBER: CCP-SA-1A-827-U-AFL

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P671999
 CATALOG NUMBER: CCP-SA-1A-827-U-AFL

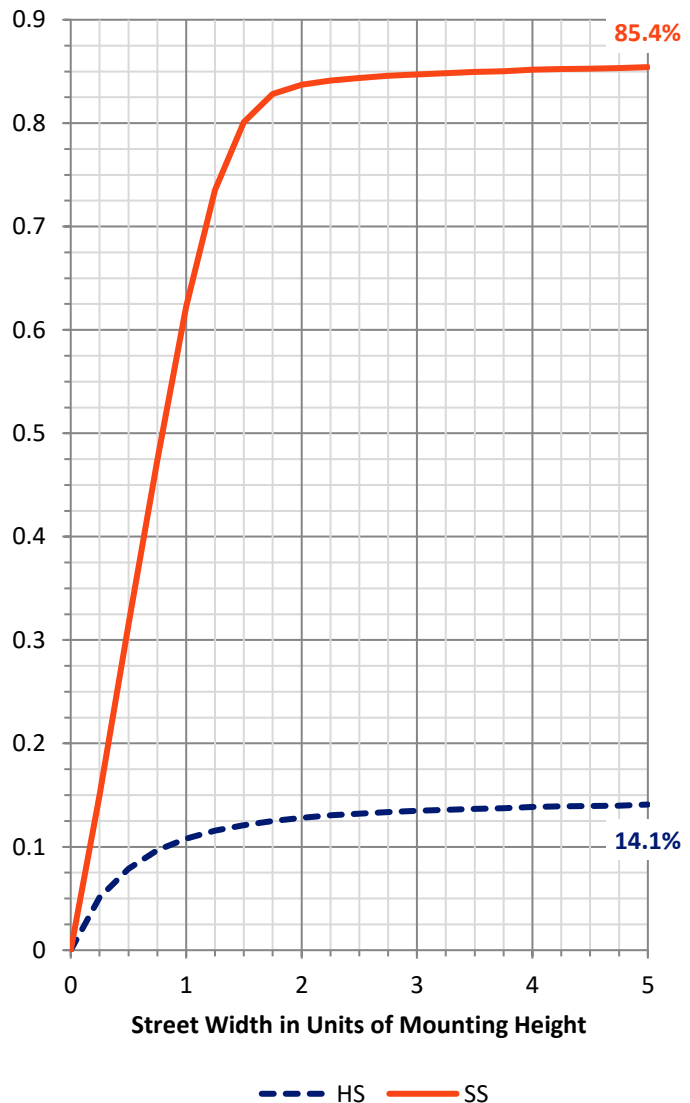
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	291.8	0.0	291.8
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	1737.8	0.0	1737.8
	% Fixture	85.6	0.0	85.6
Total	Lumens	2029.5	0.0	2029.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.1	2.1
10°-20°	119.3	5.9
20°-30°	194.3	9.6
30°-40°	290.4	14.3
40°-50°	426.8	21.0
50°-60°	500.3	24.6
60°-70°	329.8	16.3
70°-80°	105.0	5.2
80°-90°	21.4	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°	2029.5	100.0
0°-180°	2029.5	100.0



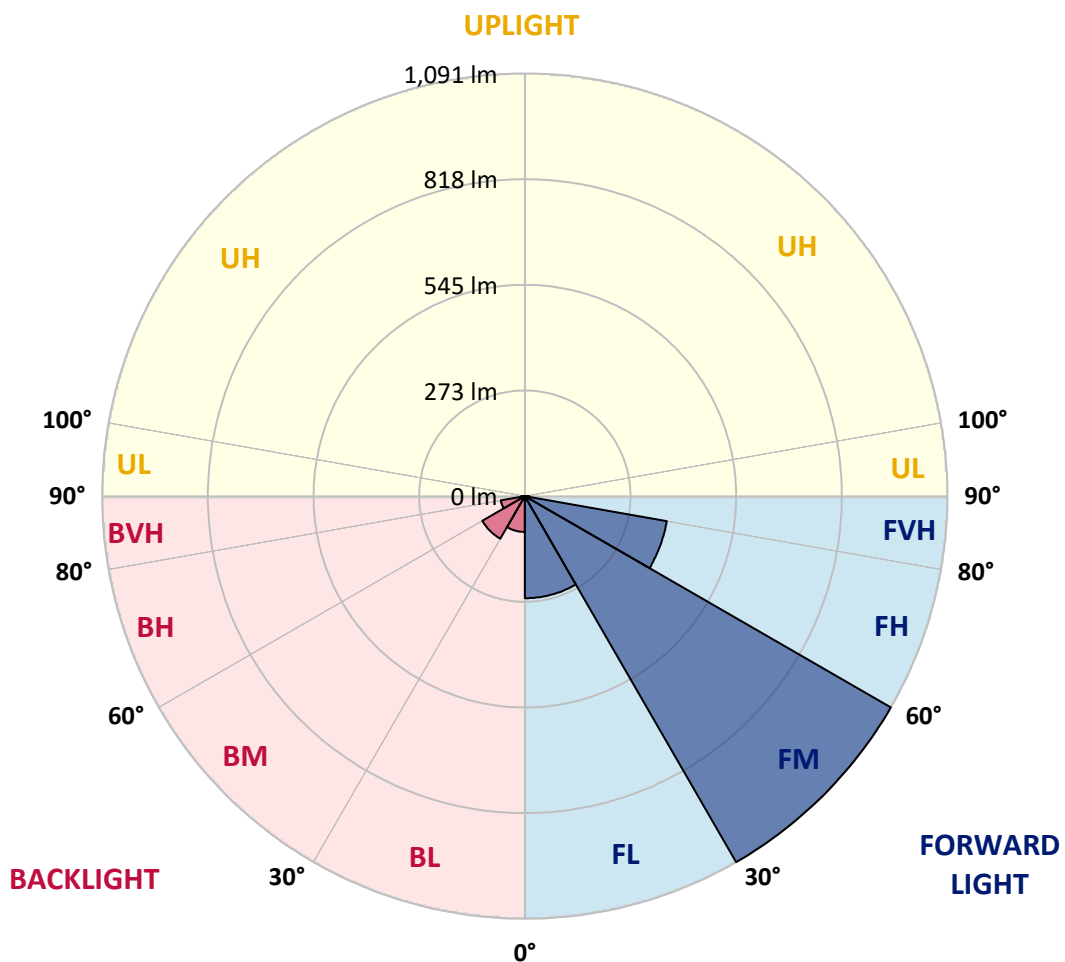
REPORT NUMBER: P671999
 CATALOG NUMBER: CCP-SA-1A-827-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	263.4	13.0			
FM (30°-60°)	1090.7	53.7			
FH (60°-80°)	371.9	18.3			G0/660
FVH (80°-90°)	11.7	0.6			G1/100
BL (0°-30°)	92.3	4.6	B0/110		
BM (30°-60°)	126.8	6.2	B0/220		
BH (60°-80°)	63.0	3.1	B0/110		G0/110
BVH (80°-90°)	9.6	0.5			G0/10
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





REPORT NUMBER: P671999
 CATALOG NUMBER: CCP-SA-1A-827-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1
2.5°	523.8	521.9	521.9	517.0	509.8	499.8	487.9	485.0	480.4	468.8	453.8
5°	603.7	601.6	598.8	590.3	576.9	556.9	531.7	527.2	510.8	486.9	459.8
7.5°	656.5	655.3	654.4	647.1	633.8	614.1	580.4	575.3	547.6	507.9	465.5
10°	651.0	654.6	660.7	665.9	668.5	658.4	626.8	620.7	586.5	532.3	474.1
12.5°	600.0	605.0	616.5	637.5	661.8	681.3	663.4	660.0	627.9	558.2	484.8
15°	562.0	564.1	569.7	585.3	621.5	673.7	691.8	688.7	666.6	591.5	497.2
17.5°	550.3	551.1	552.5	557.6	582.3	643.8	703.4	706.3	704.1	626.0	511.1
20°	556.2	556.7	556.9	557.8	569.5	618.8	700.3	705.3	737.1	660.6	525.0
22.5°	578.8	578.1	577.0	573.7	580.3	614.4	692.1	700.0	762.5	692.1	537.8
25°	618.4	617.3	610.1	603.1	605.9	630.3	687.6	696.2	782.4	721.8	547.2
27.5°	665.4	664.4	657.1	643.7	640.7	656.8	697.9	703.2	796.9	748.1	551.3
30°	714.3	714.3	705.2	689.7	680.3	687.1	716.9	721.2	808.0	773.6	553.9
32.5°	767.5	769.0	754.9	737.2	726.8	722.8	743.5	747.2	824.0	803.6	559.5
35°	835.9	832.7	815.5	792.2	775.5	766.5	776.5	780.8	847.5	840.9	568.5
37.5°	912.8	907.1	885.9	858.1	828.9	813.9	820.5	821.5	882.4	889.6	584.8
40°	976.4	975.4	957.4	931.1	894.2	874.0	870.8	871.4	930.8	947.3	609.5
42.5°	1029.9	1026.1	1022.9	1013.6	974.5	941.4	928.1	928.3	983.3	1006.8	634.4
45°	1053.6	1052.9	1062.4	1086.3	1058.2	1019.2	1000.4	1003.0	1043.5	1068.0	658.4
47.5°	1043.5	1044.1	1069.6	1132.2	1148.8	1118.9	1085.5	1083.9	1101.7	1114.9	679.6
50°	952.9	962.4	1031.7	1136.4	1208.2	1223.1	1185.4	1179.4	1152.8	1152.3	692.5
52.5°	884.5	884.0	926.5	1093.0	1229.2	1317.1	1283.2	1269.7	1195.0	1173.3	693.5
55°	792.1	791.5	823.1	966.1	1187.5	1382.7	1375.4	1358.5	1233.7	1180.3	686.5
57.5°	599.8	611.0	642.5	773.4	1055.1	1372.2	1463.6	1449.4	1271.5	1177.2	685.1
60°	326.4	325.1	370.7	504.1	807.8	1253.7	1501.9	1501.2	1311.6	1176.0	693.2
62.5°	150.5	149.0	158.1	224.5	463.2	1004.3	1427.8	1438.4	1348.8	1165.3	692.5
65°	112.5	108.7	96.3	104.4	177.2	599.5	1212.8	1241.0	1291.5	1121.1	660.4
67.5°	100.3	96.6	82.2	77.1	89.0	211.5	879.8	905.8	1079.9	1038.5	608.5
70°	91.9	88.7	74.3	66.2	66.8	93.7	460.5	511.7	791.5	866.7	518.6
72.5°	83.8	81.0	68.0	58.2	56.2	61.9	156.9	189.3	492.3	631.6	386.7
75°	75.3	72.7	61.2	52.2	48.2	45.9	74.7	80.5	260.4	348.8	207.5
77.5°	65.5	64.0	54.6	46.0	42.7	34.7	49.7	52.2	111.5	136.9	98.8
80°	56.9	55.7	48.7	41.8	38.2	26.8	34.3	36.0	55.0	68.4	55.3
82.5°	37.1	40.0	40.3	35.9	33.7	21.5	22.7	24.0	36.5	40.3	24.1
85°	15.3	18.5	27.8	24.7	23.4	18.2	15.0	15.3	22.4	23.5	8.7
87.5°	6.9	7.6	13.7	13.8	12.1	6.9	7.5	8.2	11.5	11.3	3.8
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: P671999
 CATALOG NUMBER: CCP-SA-1A-827-U-AFL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1
2.5°	449.7	442.9	430.8	415.4	404.4	396.3	387.4	381.0	373.8	367.4	368.5
5°	448.6	435.5	408.5	379.8	351.8	328.9	309.8	295.7	281.1	275.4	274.6
7.5°	449.5	427.3	382.9	336.0	293.4	264.2	242.0	228.6	220.2	215.3	215.6
10°	449.2	419.5	355.2	290.5	244.0	217.3	203.7	199.3	198.6	199.2	200.0
12.5°	449.7	408.9	324.2	249.6	208.6	194.9	195.5	199.5	202.0	203.6	204.6
15°	451.6	400.2	292.4	217.4	190.0	190.5	196.8	203.0	206.7	208.4	209.3
17.5°	454.4	389.3	264.2	193.0	182.2	189.0	197.2	203.9	206.7	207.7	208.4
20°	454.7	376.8	235.6	176.2	177.1	185.9	193.1	198.4	202.0	203.1	203.7
22.5°	453.3	359.9	206.4	164.0	171.2	180.0	186.2	192.2	187.5	183.7	182.7
25°	447.7	338.6	181.4	154.0	163.9	172.1	179.2	172.5	170.3	167.4	167.7
27.5°	435.7	312.0	157.8	144.6	155.2	166.9	161.8	160.9	158.1	155.2	155.2
30°	419.8	283.9	138.1	134.7	144.7	150.6	151.8	150.5	148.9	145.0	145.3
32.5°	405.5	254.2	124.1	126.5	138.1	138.1	143.3	143.3	137.4	126.6	126.6
35°	391.4	226.2	113.8	119.6	127.2	129.7	136.8	127.5	119.1	114.3	114.0
37.5°	380.4	202.4	107.1	113.7	116.6	123.0	123.1	116.3	113.6	109.1	108.7
40°	373.9	182.4	103.0	110.8	111.1	116.9	107.2	109.1	108.6	105.2	104.7
42.5°	370.4	166.9	99.9	108.3	106.8	101.1	99.3	102.5	103.6	101.8	101.1
45°	367.6	154.9	97.4	99.6	103.4	93.0	92.2	94.7	96.9	96.8	96.2
47.5°	366.1	146.5	95.2	94.1	94.9	88.1	86.6	87.8	90.6	92.4	92.2
50°	360.4	140.0	91.9	88.5	83.8	83.8	83.1	83.1	86.5	90.0	90.3
52.5°	350.2	132.4	87.2	83.3	77.8	80.2	80.5	79.9	83.4	87.2	87.5
55°	339.0	126.6	80.9	78.4	72.8	76.8	78.1	77.5	79.9	82.5	82.4
57.5°	339.2	126.5	75.5	73.5	68.1	72.5	75.8	75.9	75.8	77.7	77.7
60°	347.7	129.4	71.2	67.1	62.7	68.0	73.3	73.3	72.2	75.0	75.3
62.5°	350.2	129.1	68.5	60.9	57.8	63.8	69.6	70.5	69.7	73.7	74.1
65°	328.2	122.2	65.9	55.3	53.4	59.3	65.0	67.5	66.8	71.9	72.5
67.5°	297.6	113.3	61.8	50.3	48.8	54.9	60.3	63.0	62.8	69.6	69.9
70°	256.5	102.2	56.6	45.2	44.4	49.7	54.6	57.4	58.7	66.5	66.3
72.5°	198.7	87.7	48.8	39.7	39.6	44.4	48.7	51.8	54.3	61.8	61.8
75°	128.1	69.0	39.9	34.4	33.8	38.4	42.8	46.3	54.0	65.9	65.7
77.5°	78.3	52.7	32.1	28.7	28.5	32.7	37.1	43.1	59.0	58.7	57.1
80°	46.9	37.8	25.6	22.9	22.9	26.8	31.6	46.2	49.0	55.9	52.8
82.5°	24.4	23.2	19.1	16.9	17.7	21.0	28.8	36.9	40.0	34.0	31.2
85°	10.0	12.4	11.8	10.7	11.2	14.6	27.8	29.6	23.7	24.9	25.0
87.5°	3.4	5.4	5.4	4.3	4.7	10.3	16.5	9.9	11.9	7.1	5.3
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)