

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: P683311

Luminaire Tested: **CCP-SA-2-AMB-U-AFL-HSS**

Issue Date: 04/26/2023



Test Information

Test Method: LM-79-08
Report Number: P683311
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2-AMB-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @500mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

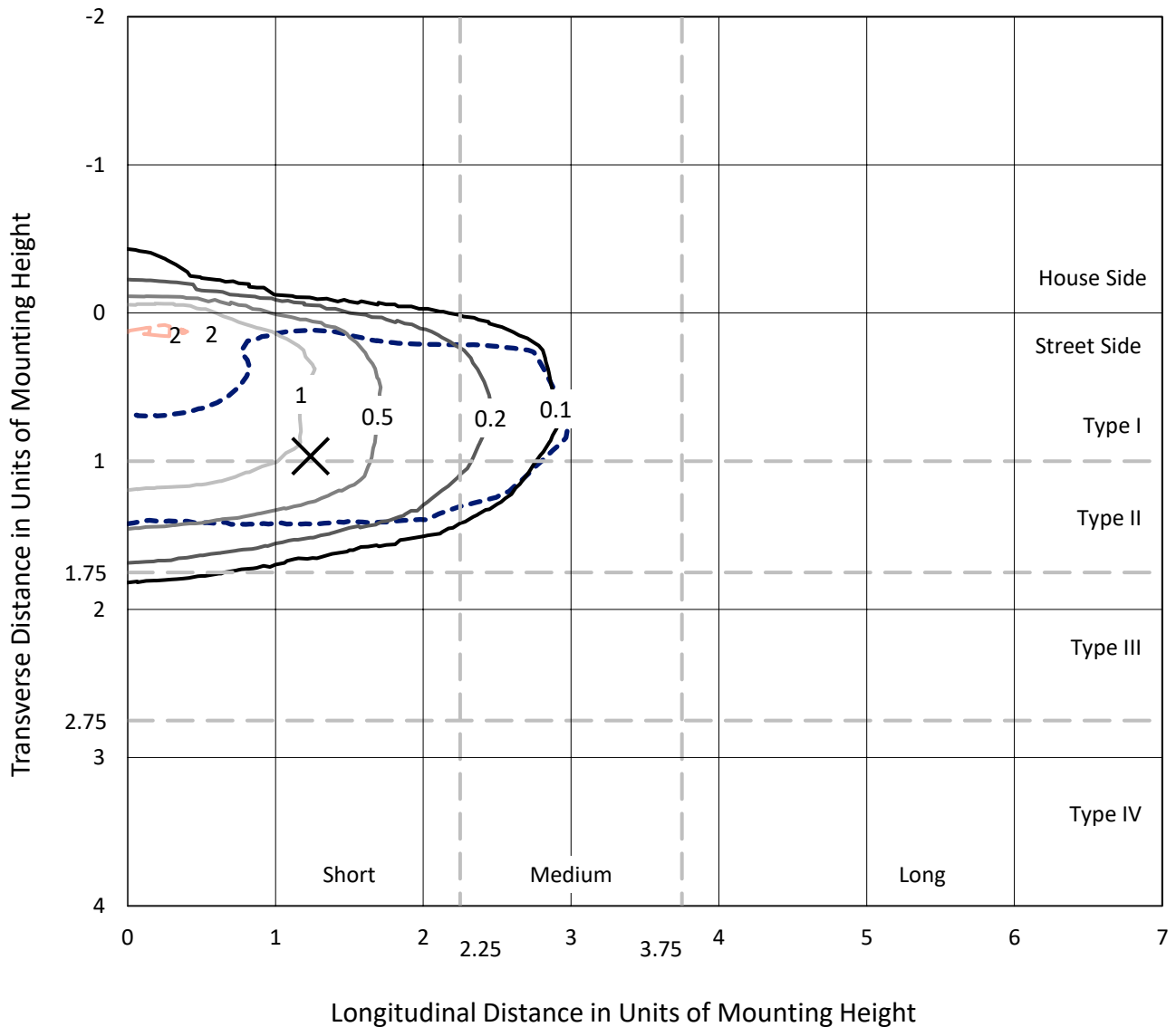
Lumens per Lamp: N/A
Luminaire Lumens: 1437.7 lumens
Efficiency: N/A
Efficacy: 35.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 40.2
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

REPORT NUMBER: P683311
 CATALOG NUMBER: CCP-SA-2-AMB-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

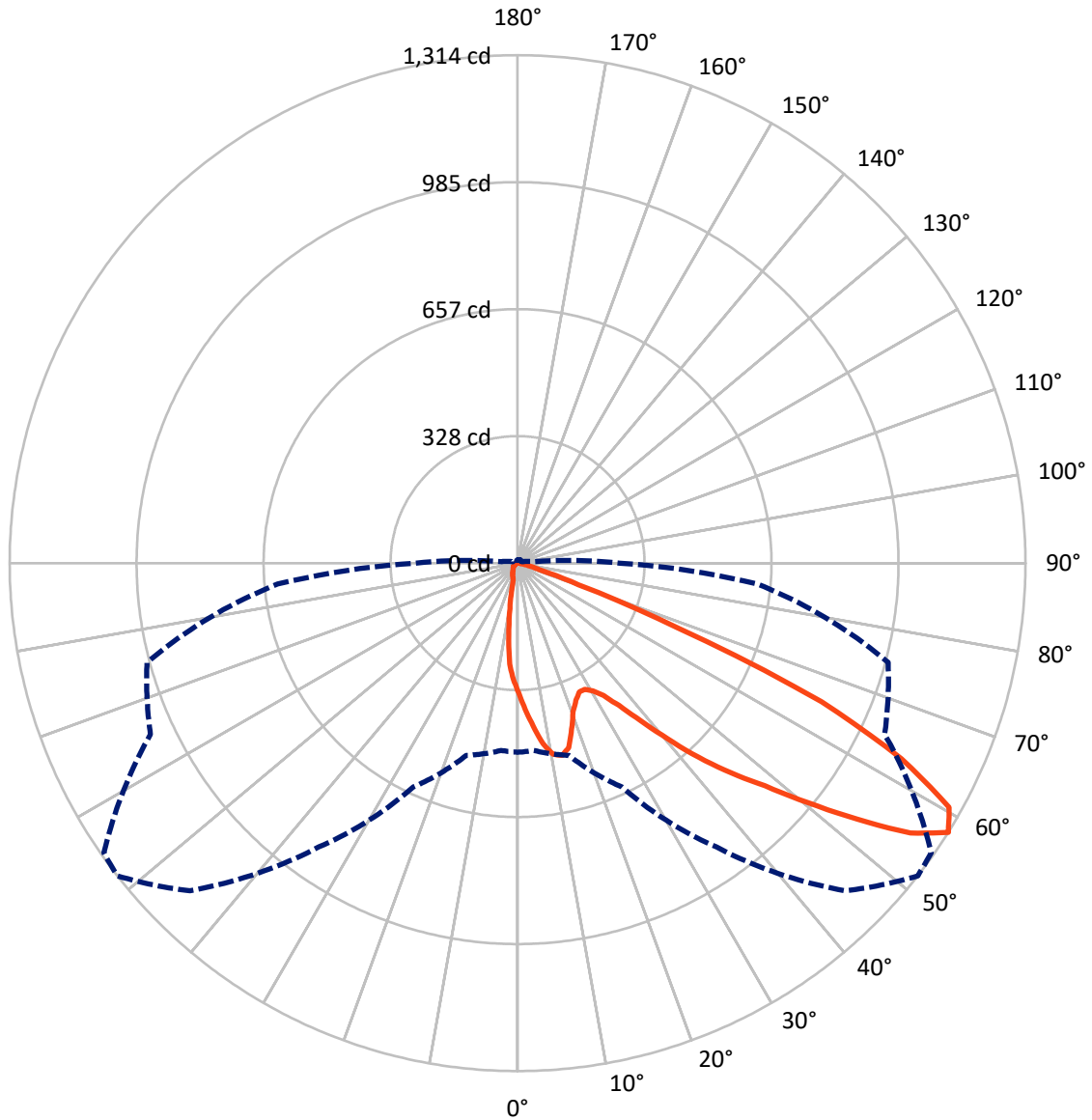
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Short - N/A

REPORT NUMBER: P683311
CATALOG NUMBER: CCP-SA-2-AMB-U-AFL-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 52-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P683311

CATALOG NUMBER: CCP-SA-2-AMB-U-AFL-HSS

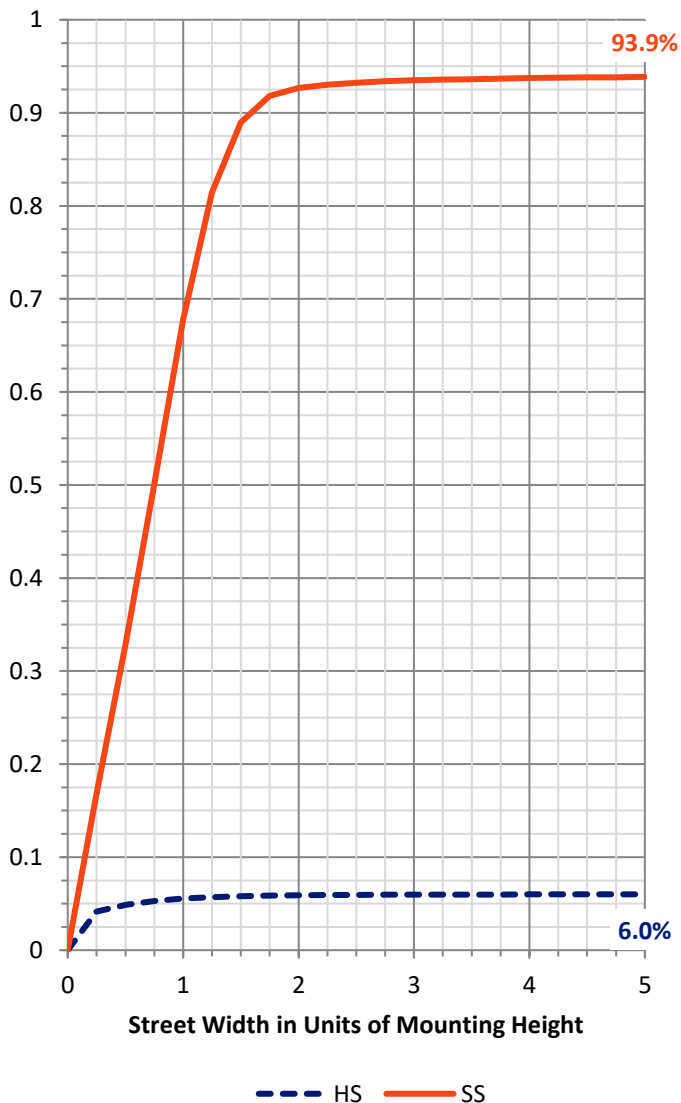
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	86.7	0.0	86.7
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	1351.0	0.0	1351.0
	% Fixture	94.0	0.0	94.0
Total	Lumens	1437.7	0.0	1437.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.6	2.1
10°-20°	74.3	5.2
20°-30°	109.8	7.6
30°-40°	187.5	13.0
40°-50°	321.7	22.4
50°-60°	400.9	27.9
60°-70°	252.3	17.5
70°-80°	56.3	3.9
80°-90°	4.2	0.3
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°	1437.7	100.0
0°-180°	1437.7	100.0



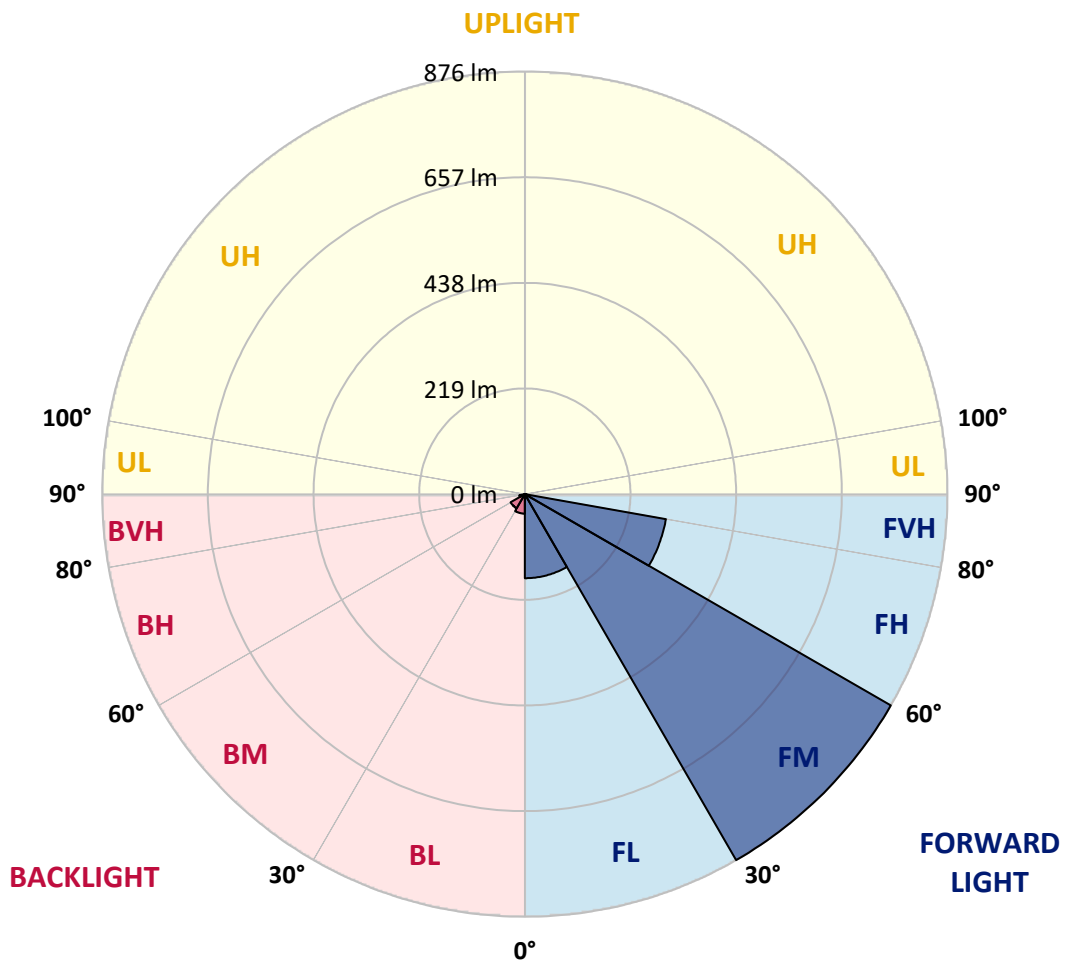
REPORT NUMBER: P683311
 CATALOG NUMBER: CCP-SA-2-AMB-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	174.3	12.1			
FM (30°-60°)	876.3	60.9			
FH (60°-80°)	297.0	20.7			G0/660
FVH (80°-90°)	3.4	0.2			G0/10
BL (0°-30°)	40.5	2.8	B0/110		
BM (30°-60°)	34.0	2.4	B0/220		
BH (60°-80°)	11.5	0.8	B0/110		G0/110
BVH (80°-90°)	0.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

Type II Short





REPORT NUMBER: P683311
 CATALOG NUMBER: CCP-SA-2-AMB-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	52°	55°	65°	75°	85°
0°	335.2	335.2	335.2	335.2	335.2	335.2	335.2	335.2	335.2	335.2	335.2
2.5°	408.5	399.5	393.5	393.5	386.1	383.1	378.6	377.1	366.6	351.6	342.7
5°	465.4	460.9	454.9	454.9	444.4	436.9	423.5	420.5	405.5	383.1	362.1
7.5°	465.4	463.9	466.9	474.4	481.8	483.3	471.4	468.4	444.4	413.0	381.6
10°	402.5	404.0	417.5	441.4	469.9	495.3	502.8	505.8	487.8	445.9	402.5
12.5°	335.2	333.7	345.7	377.1	417.5	477.3	510.3	519.2	526.7	481.8	426.5
15°	300.8	299.3	305.3	324.7	365.1	433.9	495.3	519.2	558.1	516.2	448.9
17.5°	281.3	281.3	285.8	300.8	326.2	389.1	451.9	489.3	571.6	547.7	466.9
20°	272.3	272.3	273.8	287.3	306.8	353.1	410.0	448.9	573.1	567.1	474.4
22.5°	290.3	288.8	284.3	287.3	302.3	336.7	386.1	417.5	561.1	583.6	475.8
25°	338.2	335.2	321.7	312.7	314.2	333.7	369.6	398.0	538.7	591.1	471.4
27.5°	401.0	392.1	378.6	356.1	341.2	344.2	369.6	389.1	517.7	598.6	466.9
30°	480.3	478.8	448.9	413.0	384.6	374.1	383.1	396.5	502.8	609.0	468.4
32.5°	579.1	573.1	538.7	502.8	448.9	411.5	408.5	416.0	501.3	619.5	469.9
35°	679.4	662.9	631.5	586.6	526.7	466.9	451.9	451.9	507.3	637.5	477.3
37.5°	769.1	757.2	716.8	673.4	615.0	549.2	516.2	504.3	534.2	662.9	489.3
40°	841.0	824.5	793.1	760.2	698.8	633.0	597.1	582.1	573.1	700.3	510.3
42.5°	899.3	884.4	863.4	846.9	779.6	718.3	686.8	668.9	637.5	751.2	538.7
45°	936.7	917.3	911.3	917.3	872.4	802.1	773.6	757.2	731.7	812.5	573.1
47.5°	933.7	912.8	923.3	968.2	954.7	902.3	860.4	854.4	827.5	891.8	609.0
50°	842.5	826.0	890.3	984.6	1026.5	1010.1	974.1	960.7	918.8	974.1	644.9
52.5°	758.7	740.7	788.6	947.2	1056.4	1111.8	1099.8	1078.9	980.1	1029.5	661.4
55°	656.9	634.5	677.9	824.5	1029.5	1188.1	1233.0	1206.1	1025.0	1031.0	644.9
57.5°	489.3	486.3	514.8	639.0	896.3	1198.6	1313.8	1306.3	1047.5	992.1	622.5
60°	266.4	251.4	293.3	405.5	641.9	1063.9	1282.4	1307.8	1034.0	947.2	618.0
62.5°	116.7	118.2	133.2	190.0	335.2	772.1	1114.8	1206.1	1044.5	933.7	630.0
65°	68.8	65.8	65.8	79.3	143.7	395.0	863.4	1005.6	1060.9	939.7	649.4
67.5°	53.9	52.4	49.4	50.9	64.3	155.6	445.9	688.3	975.6	957.7	673.4
70°	41.9	41.9	40.4	38.9	43.4	65.8	167.6	308.3	755.7	914.3	647.9
72.5°	31.4	32.9	32.9	31.4	32.9	40.4	64.3	103.2	368.1	618.0	366.6
75°	23.9	23.9	26.9	25.4	25.4	26.9	37.4	41.9	88.3	151.1	73.3
77.5°	19.5	20.9	20.9	19.5	18.0	16.5	22.4	26.9	32.9	31.4	22.4
80°	15.0	15.0	15.0	15.0	13.5	10.5	10.5	12.0	16.5	15.0	12.0
82.5°	12.0	12.0	12.0	13.5	10.5	7.5	7.5	7.5	9.0	9.0	7.5
85°	3.0	4.5	7.5	6.0	6.0	4.5	4.5	4.5	6.0	6.0	4.5
87.5°	1.5	1.5	3.0	4.5	3.0	3.0	3.0	3.0	3.0	3.0	1.5
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: P683311
 CATALOG NUMBER: CCP-SA-2-AMB-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	335.2	335.2	335.2	335.2	335.2	335.2	335.2	335.2	335.2	335.2	335.2
2.5°	339.7	332.2	321.7	315.7	303.8	294.8	285.8	281.3	275.3	275.3	273.8
5°	353.1	338.2	317.2	297.8	270.8	239.4	211.0	188.5	170.6	166.1	163.1
7.5°	366.6	345.7	314.2	269.3	203.5	149.6	110.7	94.3	82.3	79.3	77.8
10°	381.6	356.1	305.3	215.5	131.7	89.8	61.4	47.9	44.9	43.4	43.4
12.5°	398.0	369.6	276.8	154.1	85.3	47.9	41.9	40.4	38.9	38.9	38.9
15°	410.0	371.1	237.9	110.7	49.4	40.4	38.9	37.4	37.4	37.4	37.4
17.5°	419.0	366.6	191.5	76.3	41.9	37.4	35.9	35.9	35.9	35.9	35.9
20°	414.5	347.2	145.1	49.4	37.4	34.4	32.9	32.9	32.9	32.9	32.9
22.5°	405.5	321.7	107.7	40.4	34.4	32.9	31.4	29.9	29.9	29.9	29.9
25°	393.5	285.8	79.3	35.9	31.4	29.9	28.4	26.9	26.9	26.9	26.9
27.5°	377.1	248.4	53.9	31.4	28.4	26.9	25.4	23.9	23.9	23.9	23.9
30°	360.6	209.5	38.9	26.9	25.4	23.9	22.4	22.4	22.4	22.4	22.4
32.5°	345.7	172.1	32.9	25.4	22.4	20.9	20.9	20.9	20.9	20.9	20.9
35°	335.2	142.2	28.4	22.4	20.9	19.5	19.5	19.5	20.9	20.9	20.9
37.5°	324.7	121.2	25.4	20.9	19.5	19.5	18.0	19.5	20.9	20.9	20.9
40°	315.7	104.7	23.9	19.5	18.0	18.0	18.0	19.5	19.5	20.9	20.9
42.5°	306.8	89.8	22.4	19.5	18.0	16.5	16.5	18.0	19.5	19.5	19.5
45°	300.8	74.8	20.9	18.0	16.5	15.0	15.0	16.5	16.5	16.5	18.0
47.5°	294.8	59.9	19.5	16.5	15.0	13.5	13.5	15.0	15.0	15.0	15.0
50°	290.3	52.4	18.0	15.0	13.5	12.0	13.5	13.5	13.5	15.0	15.0
52.5°	282.8	47.9	16.5	13.5	12.0	12.0	12.0	12.0	13.5	13.5	13.5
55°	266.4	44.9	15.0	12.0	10.5	10.5	10.5	10.5	10.5	10.5	9.0
57.5°	264.9	41.9	13.5	10.5	10.5	10.5	10.5	9.0	7.5	7.5	7.5
60°	270.8	40.4	13.5	10.5	9.0	9.0	9.0	7.5	6.0	6.0	6.0
62.5°	287.3	38.9	13.5	9.0	9.0	7.5	7.5	6.0	4.5	4.5	3.0
65°	308.3	37.4	13.5	7.5	7.5	7.5	6.0	4.5	3.0	3.0	1.5
67.5°	308.3	31.4	12.0	7.5	7.5	6.0	4.5	3.0	1.5	1.5	1.5
70°	261.9	25.4	10.5	6.0	6.0	4.5	3.0	1.5	1.5	1.5	1.5
72.5°	115.2	18.0	10.5	6.0	6.0	4.5	3.0	1.5	1.5	0.0	0.0
75°	22.4	12.0	7.5	6.0	4.5	3.0	1.5	1.5	0.0	0.0	0.0
77.5°	10.5	10.5	6.0	4.5	4.5	3.0	1.5	1.5	0.0	0.0	0.0
80°	6.0	7.5	4.5	4.5	3.0	1.5	1.5	1.5	0.0	0.0	0.0
82.5°	4.5	6.0	4.5	3.0	3.0	1.5	1.5	1.5	0.0	0.0	0.0
85°	3.0	4.5	3.0	3.0	1.5	1.5	1.5	0.0	0.0	0.0	0.0
87.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
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)