

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: P553707

Luminaire Tested: **LXS-VA1-830-U-ASC-A**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA1-830-U-ASC-A
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE II OPTIC, ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1758 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
Input Voltage (V): NR
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: 28.75 FT

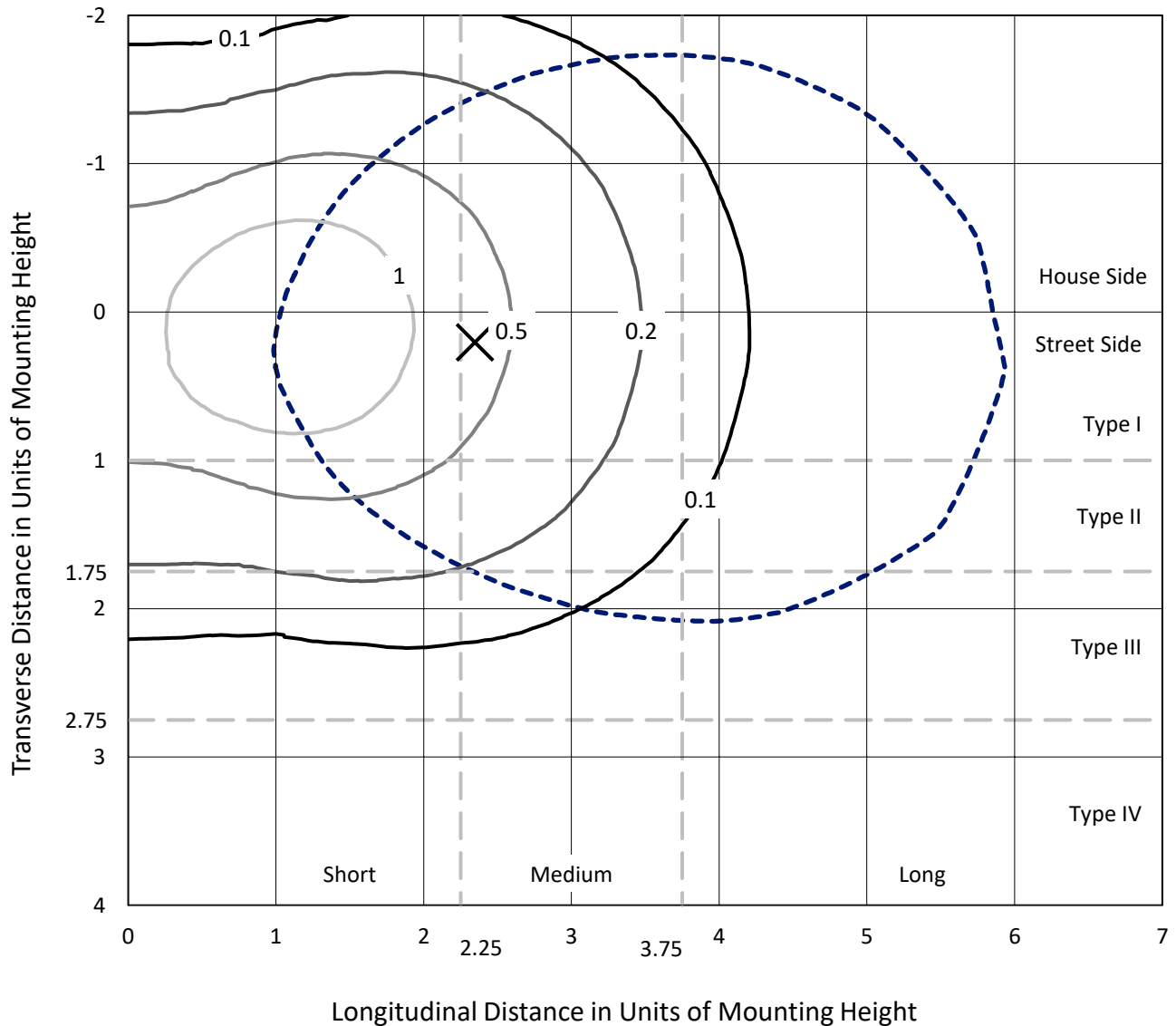


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Iso-Footcandle Lines of Horizontal Illumination

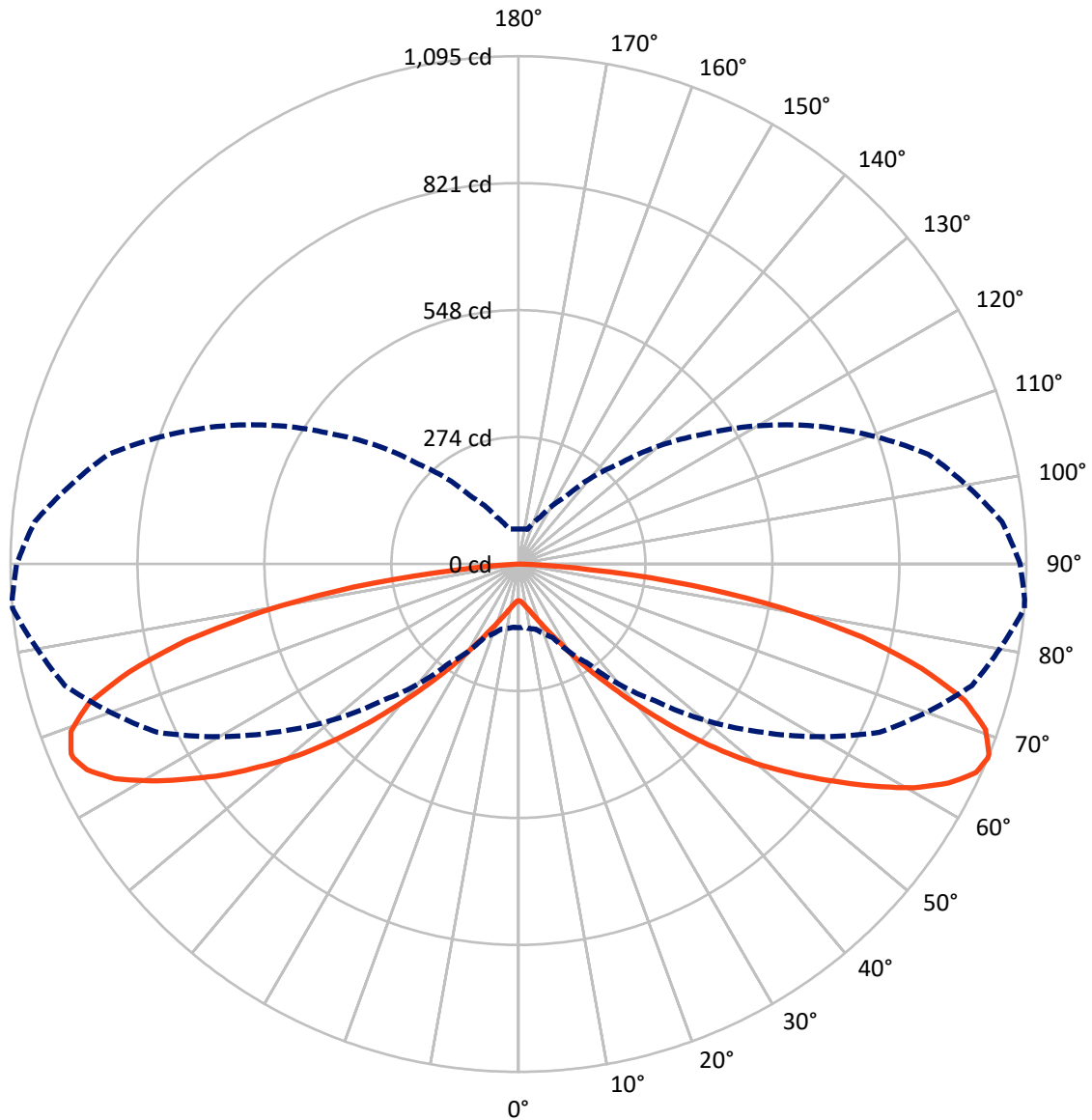
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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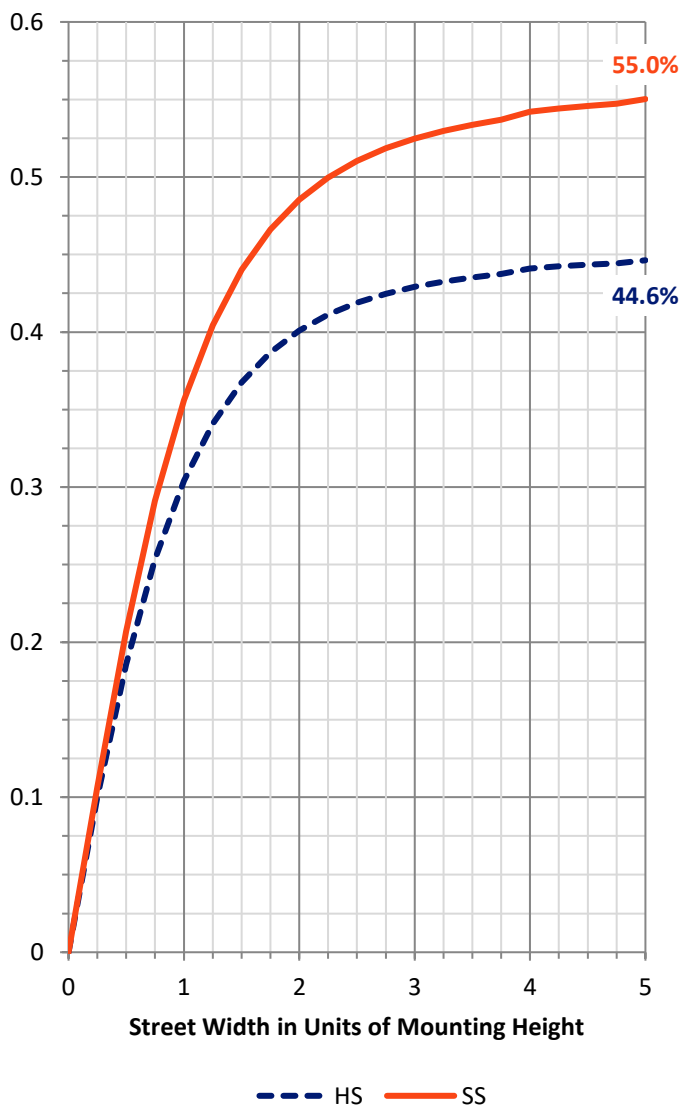
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	786.7	0.0	786.7
	% Fixture	44.8	0.0	44.8
Street Side	Lumens	971.3	0.0	971.3
	% Fixture	55.2	0.0	55.2
Total	Lumens	1758.0	0.0	1758.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.5
10°-20°	28.7	1.6
20°-30°	62.7	3.6
30°-40°	123.5	7.0
40°-50°	223.2	12.7
50°-60°	356.6	20.3
60°-70°	467.9	26.6
70°-80°	395.1	22.5
80°-90°	92.1	5.2
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°	1758.0	100.0
0°-180°	1758.0	100.0

Coefficient of Utilization



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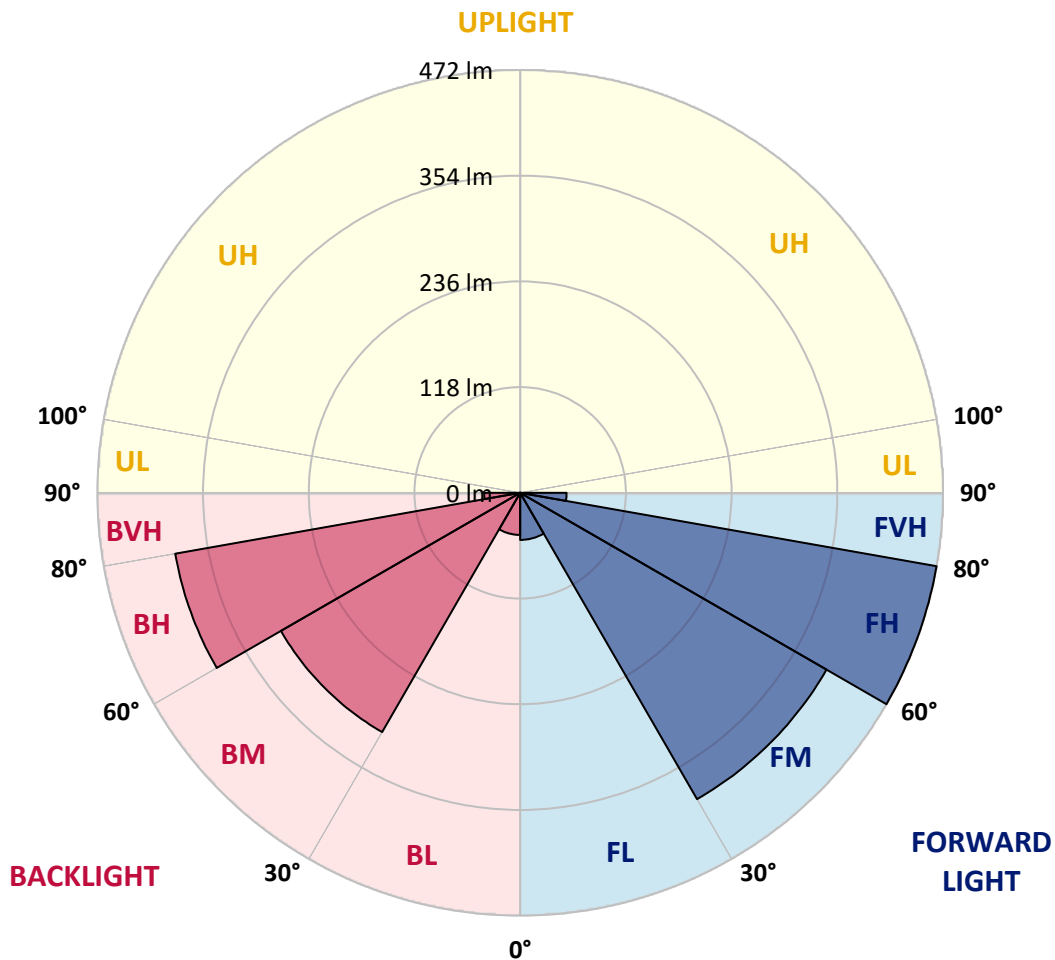
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	52.5	3.0			
FM	(30°-60°)	394.9	22.5			
FH	(60°-80°)	472.0	26.9			G0/660
FVH	(80°-90°)	51.8	2.9			G1/100
BL	(0°-30°)	47.0	2.7	B0/110		
BM	(30°-60°)	308.4	17.5	B1/1000		
BH	(60°-80°)	391.0	22.2	B1/500		G1/500
BVH	(80°-90°)	40.3	2.3			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	86°
0°	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
2.5°	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
5°	81.9	81.9	81.9	82.7	82.7	83.5	83.5	83.5	83.5	83.5	83.5
7.5°	82.7	82.7	83.5	84.4	86.0	86.9	87.7	87.7	87.7	88.5	88.5
10°	83.5	83.5	84.4	86.0	88.5	91.1	92.7	93.6	94.4	94.4	94.4
12.5°	86.0	86.0	86.9	88.5	91.9	95.2	98.6	101.1	101.9	101.9	101.9
15°	90.2	90.2	91.1	93.6	96.9	101.1	105.3	109.4	111.1	111.1	111.1
17.5°	96.1	96.1	96.9	99.4	103.6	109.4	114.4	119.5	122.0	122.0	122.0
20°	103.6	103.6	104.4	107.8	111.9	118.6	126.1	132.0	136.2	135.3	135.3
22.5°	107.8	107.8	110.3	115.3	121.1	128.6	140.3	147.9	152.9	151.2	150.4
25°	111.1	111.1	113.6	120.3	131.1	141.2	157.0	167.1	172.9	170.4	169.6
27.5°	115.3	116.1	119.5	126.1	139.5	156.2	173.8	191.3	196.3	193.8	193.0
30°	119.5	119.5	124.5	134.5	149.5	172.1	195.5	223.9	228.9	225.5	222.2
32.5°	126.1	126.1	130.3	142.0	162.9	188.8	223.9	253.9	263.1	261.5	259.8
35°	136.2	136.2	140.3	151.2	176.3	208.8	254.8	289.0	305.7	300.7	299.9
37.5°	139.5	140.3	146.2	161.2	188.0	233.9	286.5	330.0	354.2	348.3	345.8
40°	142.0	142.8	148.7	167.1	200.5	255.6	318.3	377.6	406.8	404.3	399.3
42.5°	143.7	144.5	151.2	170.4	213.0	274.0	351.7	429.4	467.8	469.5	466.1
45°	143.7	144.5	153.7	174.6	222.2	293.2	385.9	482.0	534.6	538.8	534.6
47.5°	143.7	144.5	153.7	178.8	229.7	313.3	421.0	529.6	598.9	611.5	605.6
50°	148.7	149.5	157.9	182.9	242.3	336.6	456.9	578.9	662.4	683.3	678.3
52.5°	148.7	150.4	159.6	187.1	253.9	358.4	492.0	630.7	725.1	754.3	746.0
55°	154.5	155.4	162.9	193.0	264.0	379.2	528.8	681.6	795.2	827.0	822.8
57.5°	156.2	157.0	165.4	195.5	272.3	402.6	569.7	735.1	867.9	903.8	898.0
60°	152.9	153.7	163.7	193.8	278.2	421.0	605.6	788.6	927.2	979.9	974.0
62.5°	148.7	149.5	158.7	190.5	277.3	427.7	629.0	830.3	971.5	1040.8	1035.0
65°	143.7	143.7	152.0	183.8	269.8	425.2	635.7	856.2	1002.4	1084.3	1080.9
67°	137.0	137.0	145.4	174.6	261.5	416.8	629.9	858.7	1012.4	1095.1	1094.3
67.5°	134.5	135.3	142.8	172.9	259.0	413.5	627.3	857.1	1013.3	1094.3	1094.3
70°	123.6	124.5	131.1	158.7	243.1	392.6	600.6	831.2	993.2	1068.4	1070.9
72.5°	111.1	111.1	116.9	142.0	219.7	362.5	560.5	777.7	936.4	1006.6	1009.1
75°	96.1	96.1	101.1	122.8	190.5	319.1	501.2	696.7	842.0	898.0	906.4
77.5°	79.4	80.2	82.7	100.2	156.2	265.6	421.0	588.1	711.7	758.5	762.7
80°	60.1	61.0	62.7	74.3	117.8	199.6	321.6	452.8	547.2	579.7	583.9
82.5°	39.3	40.1	40.9	46.8	75.2	129.5	208.0	297.4	360.9	375.9	380.1
85°	16.7	16.7	17.5	20.0	31.7	52.6	86.0	122.0	151.2	155.4	155.4
87.5°	0.8	0.8	0.0	0.0	0.8	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
2.5°	80.2	80.2	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
5°	83.5	83.5	83.5	83.5	83.5	82.7	81.9	81.9	81.0	81.0	81.0
7.5°	88.5	88.5	87.7	86.9	85.2	84.4	83.5	83.5	82.7	82.7	82.7
10°	94.4	94.4	93.6	91.1	89.4	88.5	86.9	85.2	84.4	83.5	83.5
12.5°	101.9	101.9	100.2	96.9	95.2	92.7	89.4	86.9	85.2	84.4	84.4
15°	111.1	111.1	107.8	104.4	101.1	96.1	91.9	89.4	86.9	86.0	86.0
17.5°	122.0	121.1	116.9	113.6	107.8	101.1	96.1	92.7	89.4	87.7	86.9
20°	134.5	133.7	127.8	122.8	114.4	106.9	100.2	94.4	89.4	87.7	87.7
22.5°	148.7	147.9	141.2	133.7	122.0	113.6	103.6	96.1	91.1	89.4	89.4
25°	167.1	165.4	155.4	145.4	132.0	120.3	107.8	99.4	93.6	90.2	89.4
27.5°	189.6	187.1	173.8	160.4	143.7	126.1	111.9	101.1	93.6	90.2	89.4
30°	218.0	213.8	196.3	176.3	156.2	134.5	117.8	102.7	95.2	91.9	91.1
32.5°	252.3	246.4	223.9	195.5	169.6	144.5	121.1	106.1	96.9	91.9	91.9
35°	291.5	283.2	254.8	219.7	184.6	154.5	127.0	108.6	96.9	91.9	91.1
37.5°	336.6	325.8	290.7	248.1	203.0	163.7	132.8	110.3	97.7	93.6	92.7
40°	390.1	375.9	330.8	279.8	225.5	175.4	138.7	113.6	100.2	94.4	93.6
42.5°	452.8	435.2	376.7	314.1	249.8	189.6	144.5	116.9	100.2	93.6	93.6
45°	520.4	500.4	427.7	350.8	274.8	204.7	151.2	118.6	101.1	95.2	94.4
47.5°	592.3	570.5	484.5	390.9	299.9	218.0	158.7	120.3	102.7	95.2	94.4
50°	665.8	642.4	545.5	435.2	327.5	233.1	163.7	122.8	101.9	94.4	93.6
52.5°	740.1	710.9	614.0	486.2	359.2	248.9	168.7	124.5	101.9	94.4	93.6
55°	816.1	783.6	682.5	534.6	390.9	266.5	175.4	124.5	101.9	93.6	92.7
57.5°	889.6	851.2	747.6	585.6	421.0	280.7	180.4	125.3	100.2	91.1	90.2
60°	960.6	921.4	809.5	632.4	446.9	290.7	182.1	124.5	97.7	89.4	88.5
62.5°	1023.3	985.7	860.4	669.9	467.8	299.9	182.1	121.1	93.6	86.0	85.2
65°	1066.7	1030.8	899.7	695.8	482.8	304.9	180.4	116.9	86.9	81.0	80.2
67°	1081.8	1046.7	914.7	704.2	487.8	304.1	177.1	111.9	77.7	76.0	75.2
67.5°	1082.6	1047.5	915.5	705.0	487.8	303.2	175.4	111.1	74.3	74.3	74.3
70°	1063.4	1030.0	903.0	694.2	477.8	291.5	164.6	103.6	62.7	66.0	67.7
72.5°	1003.3	974.8	854.6	659.1	450.3	271.5	150.4	91.1	52.6	58.5	60.1
75°	898.0	871.3	762.7	592.3	403.5	241.4	132.0	74.3	41.8	50.1	51.0
77.5°	751.8	735.1	642.4	502.9	337.5	200.5	106.9	54.3	32.6	40.1	41.8
80°	570.5	558.8	487.8	384.3	253.1	148.7	72.7	34.2	24.2	30.1	30.9
82.5°	365.0	359.2	312.4	244.8	151.2	85.2	35.9	15.9	13.4	18.4	19.2
85°	143.7	136.2	115.3	86.0	49.3	23.4	7.5	4.2	5.0	3.3	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	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)