

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: P553685

Luminaire Tested: **LXS-VA1-730-U-ASC-S**

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553685  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-15-R2)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/13/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: LXS-VA1-730-U-ASC-S  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
70 CRI, 3000K LEDS AND TYPE II OPTIC, SPIDER MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1780 lumens  
Efficiency: N/A  
Efficacy: 74.2 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type III - Short  
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

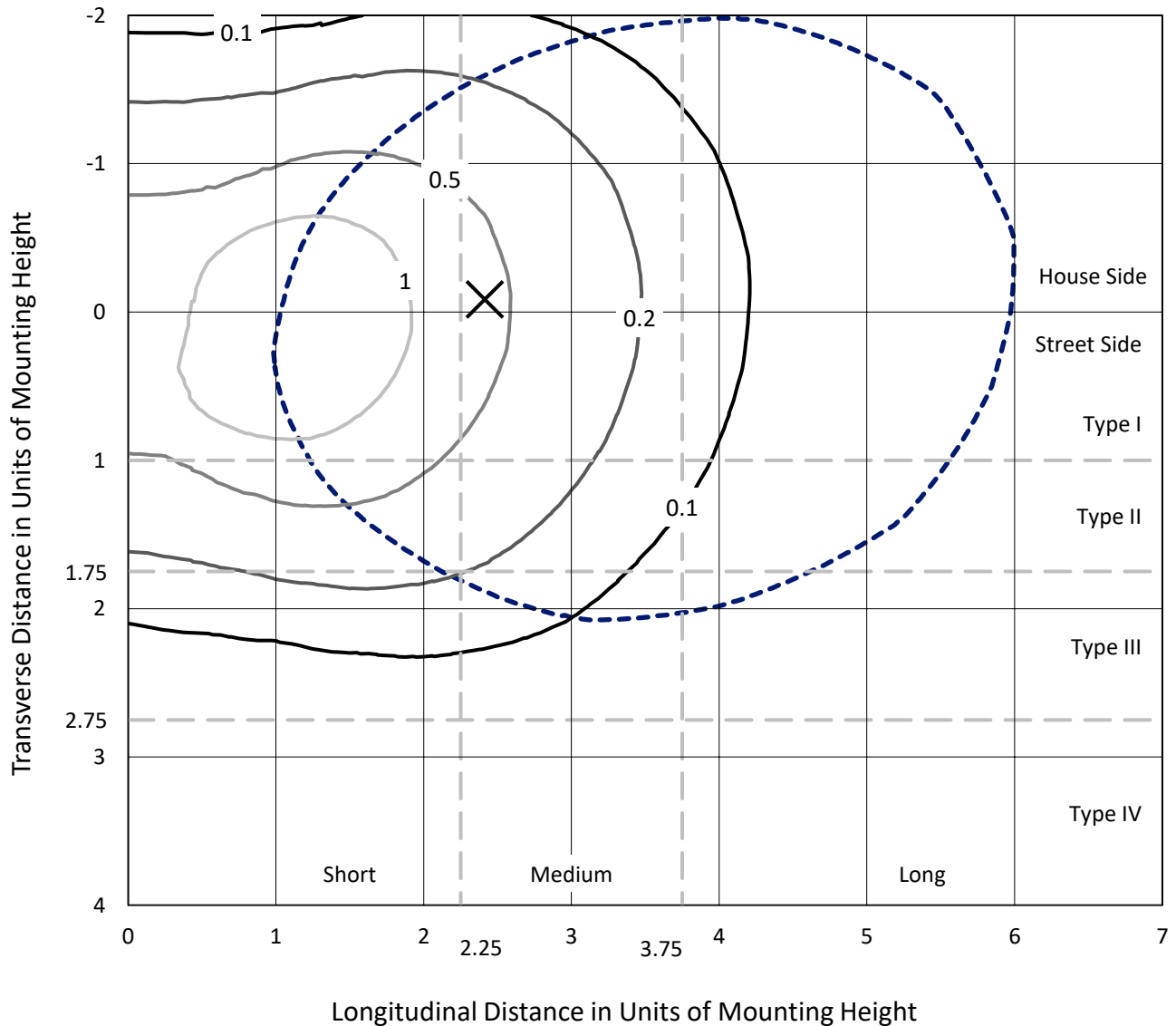


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### Iso-Footcandle Lines of Horizontal Illumination

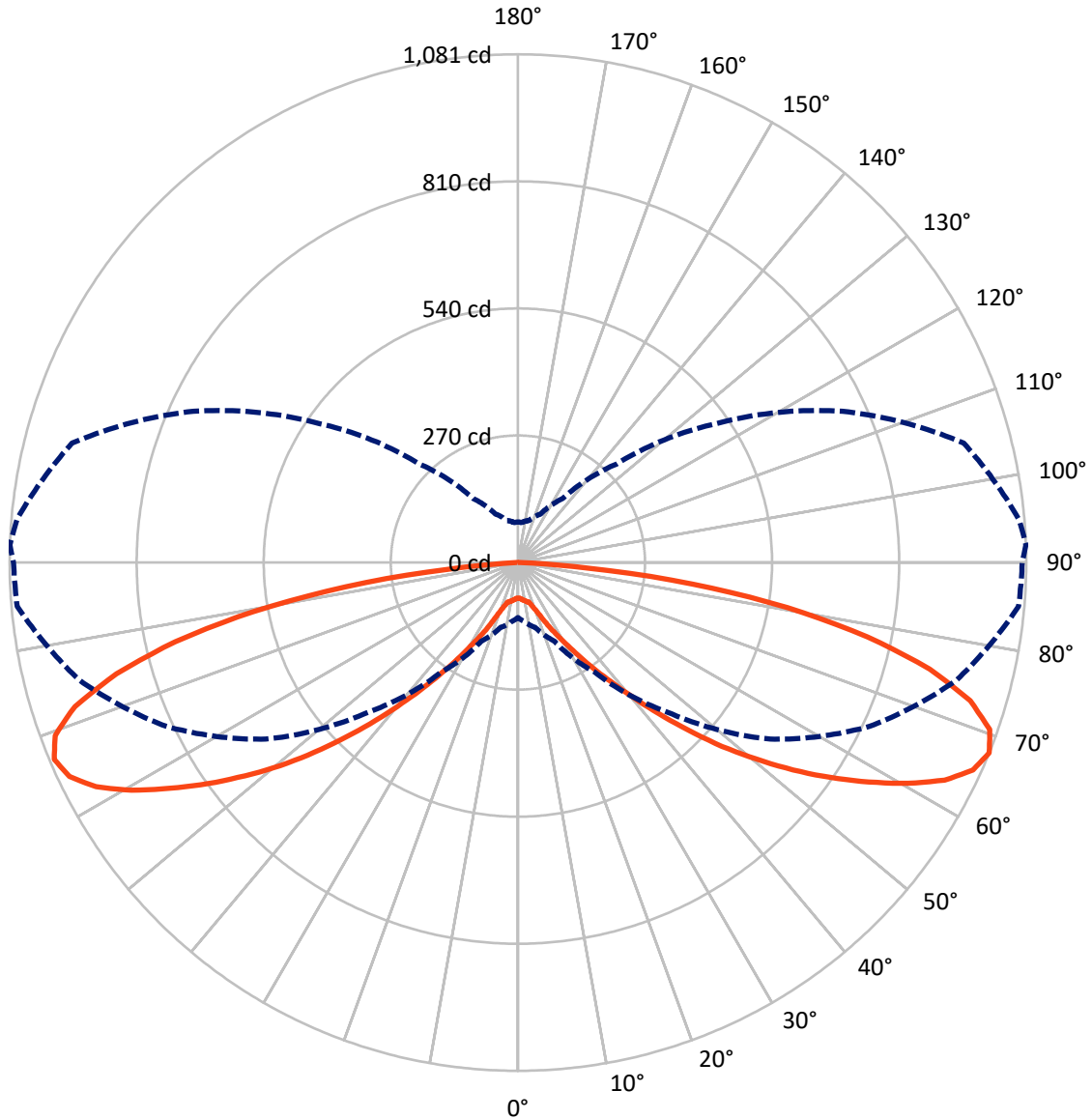
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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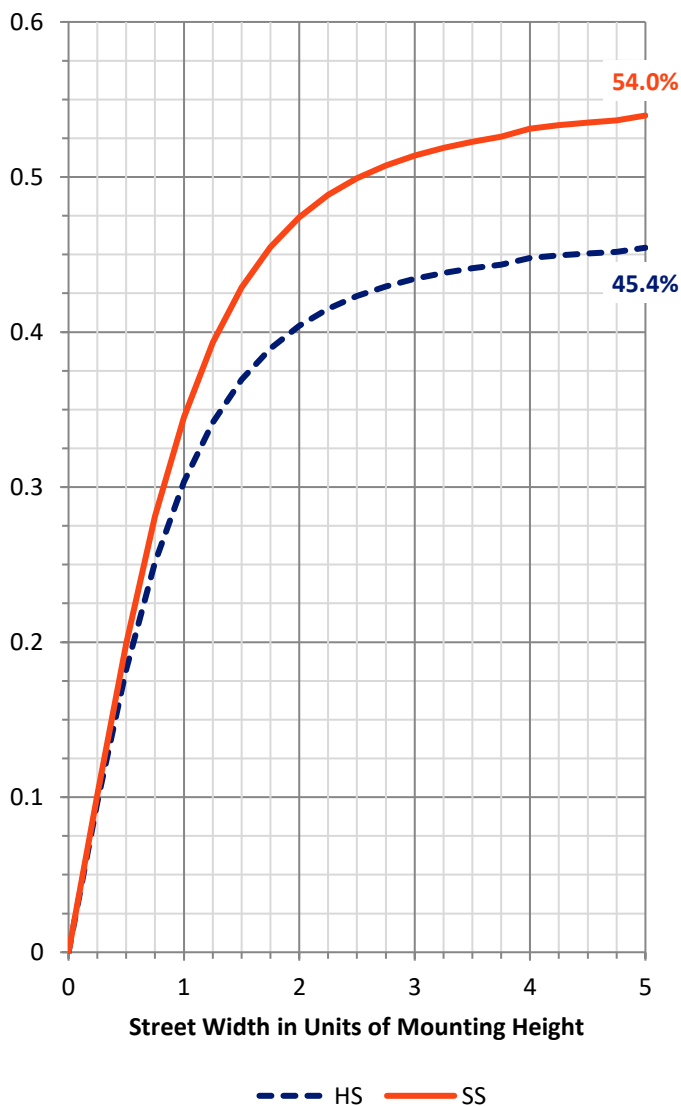
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	814.3	0.0	814.3
	% Fixture	45.7	0.0	45.7
<b>Street Side</b>	Lumens	965.7	0.0	965.7
	% Fixture	54.3	0.0	54.3
<b>Total</b>	Lumens	1780.0	0.0	1780.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.6	0.4
10°-20°	25.1	1.4
20°-30°	56.8	3.2
30°-40°	120.8	6.8
40°-50°	224.4	12.6
50°-60°	361.9	20.3
60°-70°	476.5	26.8
70°-80°	406.0	22.8
80°-90°	100.8	5.7
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°	1780.0	100.0
0°-180°	1780.0	100.0

**Coefficient of Utilization**



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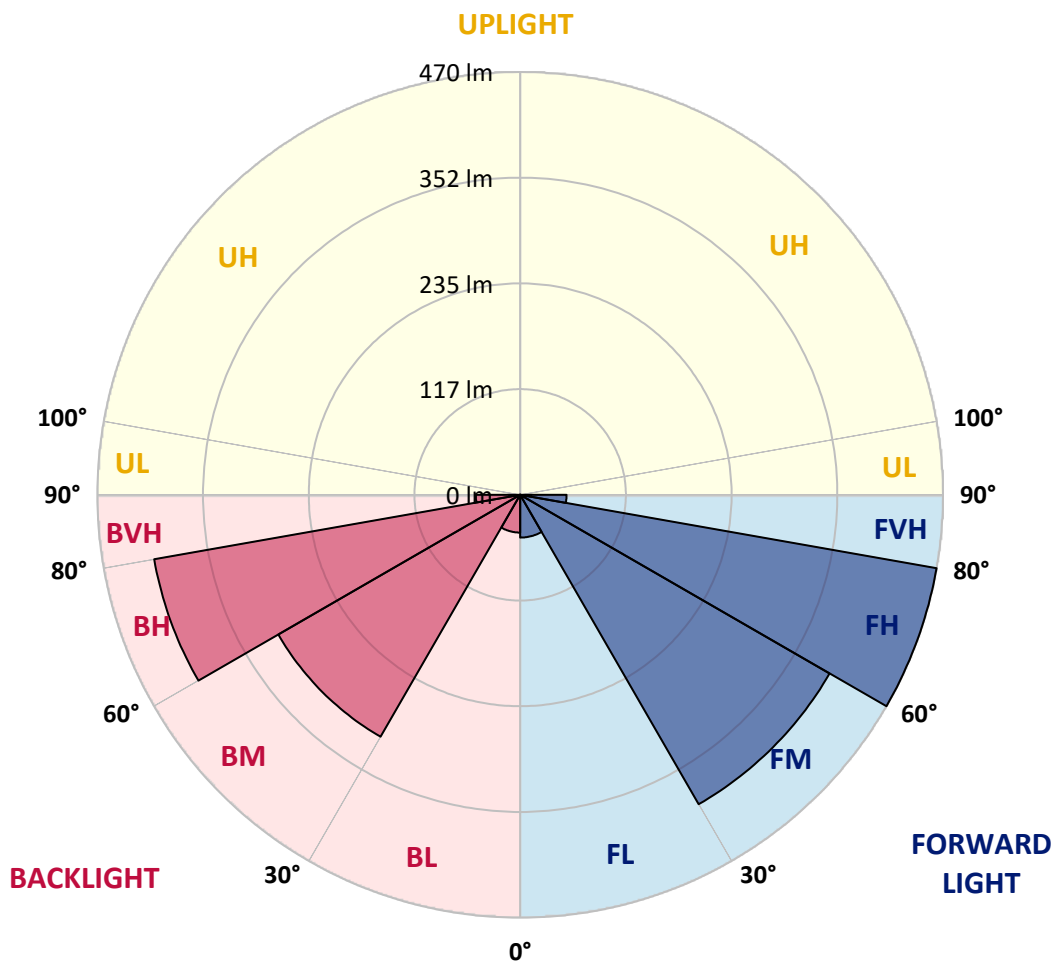
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	47.5	2.7			
FM	(30°-60°)	396.9	22.3			
FH	(60°-80°)	469.7	26.4			G0/660
FVH	(80°-90°)	51.5	2.9			G1/100
BL	(0°-30°)	41.9	2.4	B0/110		
BM	(30°-60°)	310.3	17.4	B1/1000		
BH	(60°-80°)	412.8	23.2	B1/500		G1/500
BVH	(80°-90°)	49.3	2.8			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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
2.5°	76.1	76.1	76.1	76.1	77.1	77.1	76.1	76.1	76.1	76.1	76.1
5°	78.9	78.0	78.9	78.9	78.9	78.9	78.0	78.0	78.0	78.0	78.0
7.5°	79.8	79.8	79.8	79.8	80.8	80.8	80.8	79.8	79.8	79.8	80.8
10°	79.8	80.8	80.8	81.7	82.6	83.6	83.6	82.6	82.6	82.6	82.6
12.5°	82.6	82.6	82.6	83.6	85.4	85.4	86.3	86.3	85.4	84.5	85.4
15°	85.4	85.4	86.3	87.3	89.1	89.1	89.1	89.1	88.2	87.3	86.3
17.5°	90.0	90.0	91.9	92.8	95.6	96.5	97.5	98.4	97.5	95.6	95.6
20°	96.5	96.5	98.4	100.3	102.1	104.9	106.8	106.8	106.8	106.8	106.8
22.5°	99.3	100.3	103.0	107.7	111.4	115.1	117.9	120.7	124.4	124.4	123.5
25°	102.1	103.0	107.7	113.3	121.6	129.0	138.3	147.6	152.2	148.5	147.6
27.5°	106.8	107.7	112.3	119.8	130.9	147.6	166.2	181.0	184.7	175.5	172.7
30°	109.5	110.5	117.9	127.2	140.2	169.0	196.8	216.3	217.2	206.1	201.5
32.5°	116.0	117.0	123.5	134.6	156.0	193.1	232.1	253.4	258.1	245.1	237.7
35°	124.4	125.3	131.8	143.9	174.5	220.9	267.4	289.6	300.8	289.6	278.5
37.5°	127.2	129.0	136.5	153.2	192.2	250.7	301.7	331.4	350.0	338.8	326.8
40°	130.0	130.9	138.3	161.5	208.9	276.6	336.1	379.7	404.8	394.5	383.4
42.5°	131.8	132.8	140.2	168.0	224.7	297.1	371.3	430.8	464.2	458.6	446.5
45°	131.8	132.8	142.0	175.5	238.6	318.4	407.5	480.9	527.3	527.3	513.4
47.5°	132.8	132.8	142.0	182.9	249.7	341.6	444.7	528.2	587.6	601.6	583.9
50°	135.5	136.5	147.6	188.5	264.6	367.6	485.5	577.4	648.9	671.2	660.1
52.5°	135.5	135.5	151.3	195.9	277.6	389.0	520.8	627.6	712.0	739.0	734.3
55°	139.3	140.2	156.0	204.2	287.8	412.2	557.9	677.7	775.2	809.5	808.6
57.5°	138.3	141.1	159.7	208.0	298.0	439.1	601.6	726.0	839.2	884.7	879.1
60°	134.6	138.3	159.7	208.0	304.5	457.7	638.7	774.2	892.1	958.1	950.6
62.5°	130.0	134.6	156.0	204.2	303.6	465.1	660.1	810.4	933.9	1019.3	1012.8
65°	124.4	131.8	150.4	195.9	296.1	462.3	665.6	829.0	959.9	1058.3	1055.5
67.5°	117.0	124.4	143.0	184.7	284.1	449.3	654.5	824.4	965.5	1068.5	1072.2
70°	108.6	115.1	131.8	170.8	266.4	427.0	628.5	793.7	941.3	1043.5	1054.6
72.5°	100.3	104.0	118.8	152.2	240.4	393.6	583.9	738.0	884.7	980.3	997.0
75°	90.0	91.9	104.0	131.8	208.0	348.1	521.7	650.8	787.2	878.2	890.3
77.5°	77.1	77.1	87.3	107.7	171.7	289.6	438.2	546.8	664.7	736.2	754.7
80°	62.2	61.3	66.8	81.7	128.1	218.2	336.1	415.0	508.7	562.6	577.4
82.5°	44.6	43.6	45.5	52.0	81.7	143.0	218.2	267.4	331.4	364.8	374.1
85°	23.2	23.2	23.2	25.1	34.3	58.5	89.1	98.4	140.2	144.8	151.3
87.5°	5.6	5.6	5.6	4.6	3.7	3.7	2.8	2.8	2.8	2.8	1.9
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):**

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
2.5°	76.1	76.1	76.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
5°	78.0	78.9	78.9	78.9	78.9	78.0	78.0	78.0	77.1	77.1	77.1
7.5°	80.8	80.8	80.8	79.8	79.8	79.8	78.9	78.9	78.9	78.9	78.9
10°	82.6	82.6	82.6	81.7	81.7	81.7	81.7	80.8	79.8	79.8	79.8
12.5°	85.4	85.4	84.5	83.6	83.6	83.6	82.6	80.8	79.8	79.8	79.8
15°	87.3	86.3	85.4	84.5	84.5	84.5	82.6	81.7	80.8	79.8	79.8
17.5°	95.6	94.7	92.8	90.0	89.1	88.2	86.3	84.5	82.6	80.8	80.8
20°	107.7	105.8	103.0	97.5	93.8	92.8	91.9	86.3	81.7	79.8	79.8
22.5°	124.4	123.5	115.1	107.7	102.1	99.3	96.5	90.0	84.5	80.8	79.8
25°	146.7	142.0	131.8	121.6	113.3	105.8	102.1	95.6	89.1	85.4	85.4
27.5°	170.8	166.2	153.2	141.1	128.1	113.3	107.7	99.3	92.8	91.9	91.9
30°	199.6	194.0	178.2	160.6	142.0	121.6	112.3	101.2	96.5	97.5	98.4
32.5°	233.9	226.5	205.2	183.8	157.8	131.8	116.0	104.9	100.3	101.2	101.2
35°	275.7	266.4	240.4	209.8	173.6	142.0	119.8	109.5	103.0	101.2	101.2
37.5°	321.2	311.0	280.4	242.3	193.1	150.4	125.3	112.3	105.8	103.0	103.0
40°	376.9	363.0	324.0	277.6	215.4	161.5	130.9	117.0	109.5	104.0	104.0
42.5°	439.1	424.3	375.1	315.6	241.4	175.5	136.5	122.5	109.5	104.0	104.0
45°	507.8	491.1	432.6	357.4	268.3	189.4	143.0	124.4	110.5	104.9	104.9
47.5°	583.9	567.2	496.7	402.9	295.2	202.4	150.4	127.2	112.3	105.8	105.8
50°	656.3	640.6	566.3	453.0	324.9	215.4	156.0	130.9	111.4	104.9	104.0
52.5°	732.5	712.0	638.7	506.0	359.3	232.1	161.5	131.8	111.4	104.9	104.9
55°	806.7	783.5	714.8	562.6	394.5	250.7	168.0	131.8	111.4	104.0	104.0
57.5°	880.1	856.9	789.1	620.1	428.0	265.5	172.7	131.8	109.5	102.1	102.1
60°	953.4	932.1	857.8	673.1	458.6	277.6	174.5	130.9	106.8	100.3	99.3
62.5°	1018.4	998.9	916.3	716.7	485.5	287.8	173.6	126.3	104.0	96.5	96.5
65°	1063.0	1047.2	959.9	747.3	506.0	295.2	171.7	120.7	99.3	91.9	91.0
67.5°	1080.6	1068.5	981.3	761.2	515.2	296.1	166.2	114.2	92.8	85.4	86.3
70°	1063.9	1054.6	972.0	753.8	509.7	287.8	156.9	105.8	85.4	78.9	78.9
72.5°	1005.4	1000.8	921.9	718.5	483.7	270.1	143.0	94.7	77.1	70.6	71.5
75°	904.2	904.2	832.7	654.5	438.2	243.2	126.3	81.7	67.8	62.2	62.2
77.5°	760.3	764.0	701.8	557.0	373.2	206.1	105.8	68.7	56.6	52.0	52.0
80°	581.1	583.9	536.6	436.3	292.4	162.5	81.7	52.9	43.6	39.9	40.8
82.5°	374.1	376.9	347.2	287.8	197.7	111.4	56.6	36.2	30.6	27.9	27.9
85°	147.6	152.2	139.3	117.0	91.0	55.7	28.8	18.6	17.6	14.9	13.9
87.5°	2.8	2.8	3.7	5.6	7.4	7.4	5.6	4.6	4.6	5.6	4.6
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)