

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: P553711

Luminaire Tested: **LXS-VA1-830-U-AST-C**

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553711  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-10-R2)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/13/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: LXS-VA1-830-U-AST-C  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
80 CRI, 3000K LEDS AND TYPE IV OPTIC, CANTILEVER MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2096 lumens  
Efficiency: N/A  
Efficacy: 87.3 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

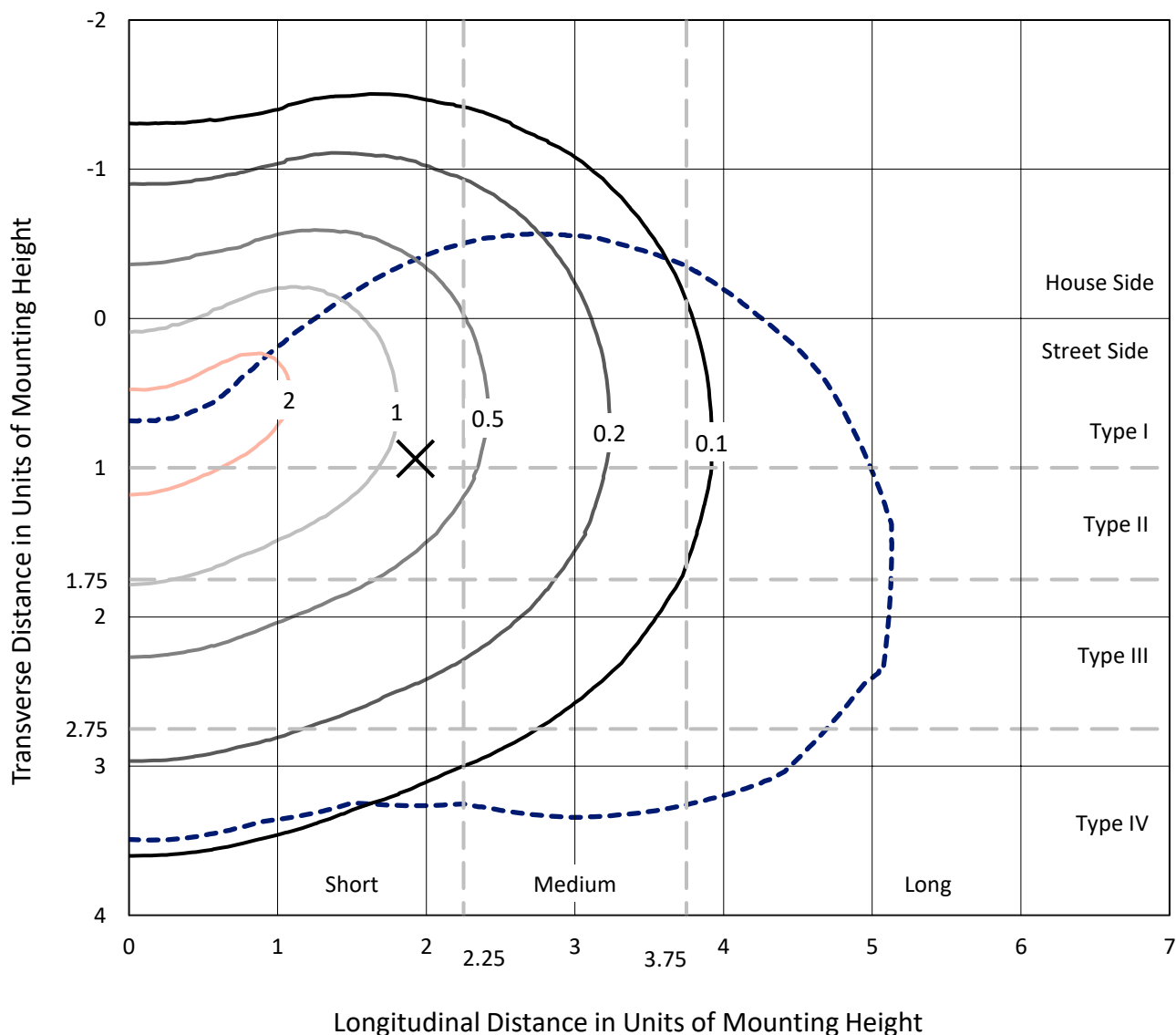
Input Watts (W): 24  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

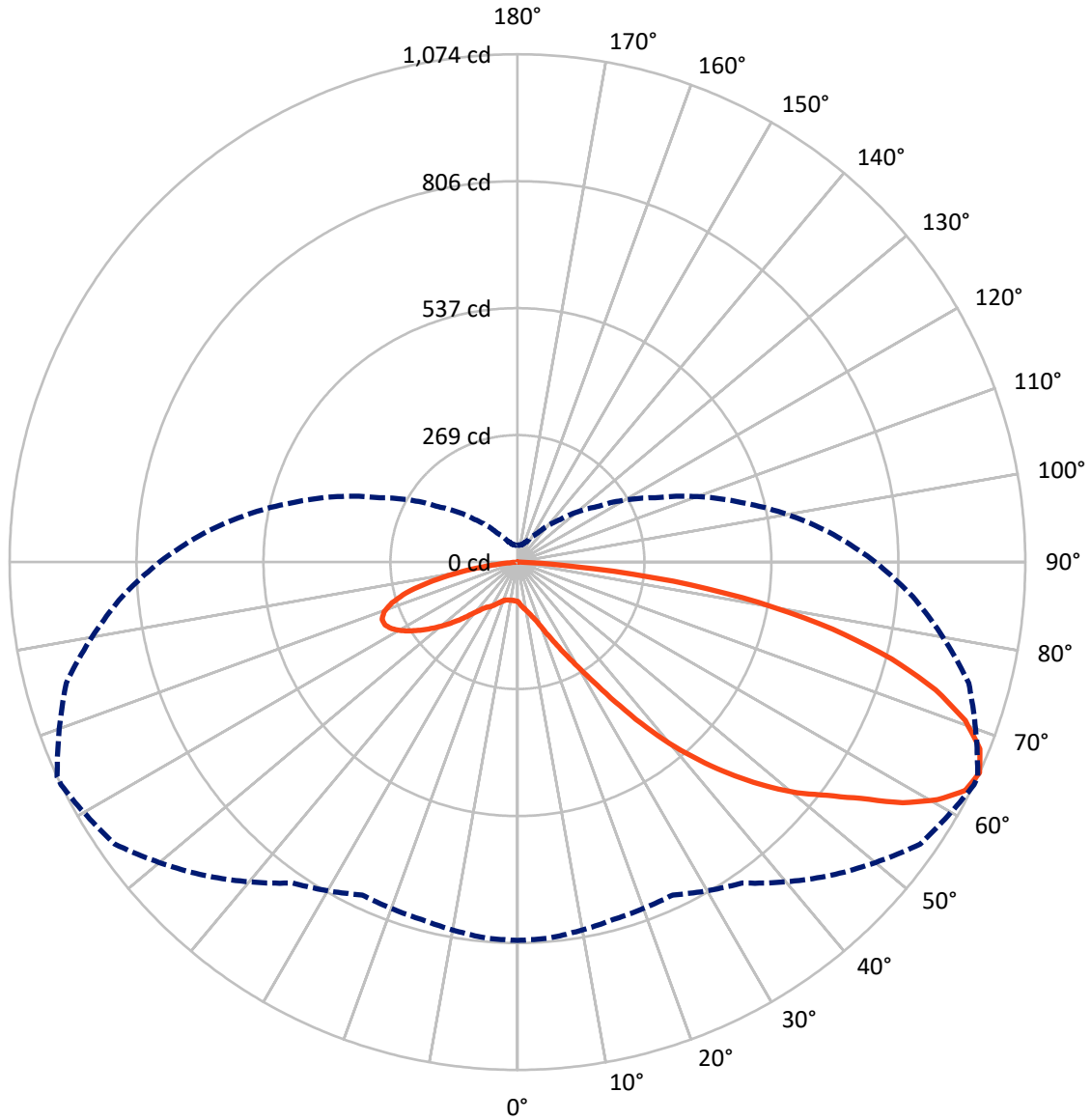
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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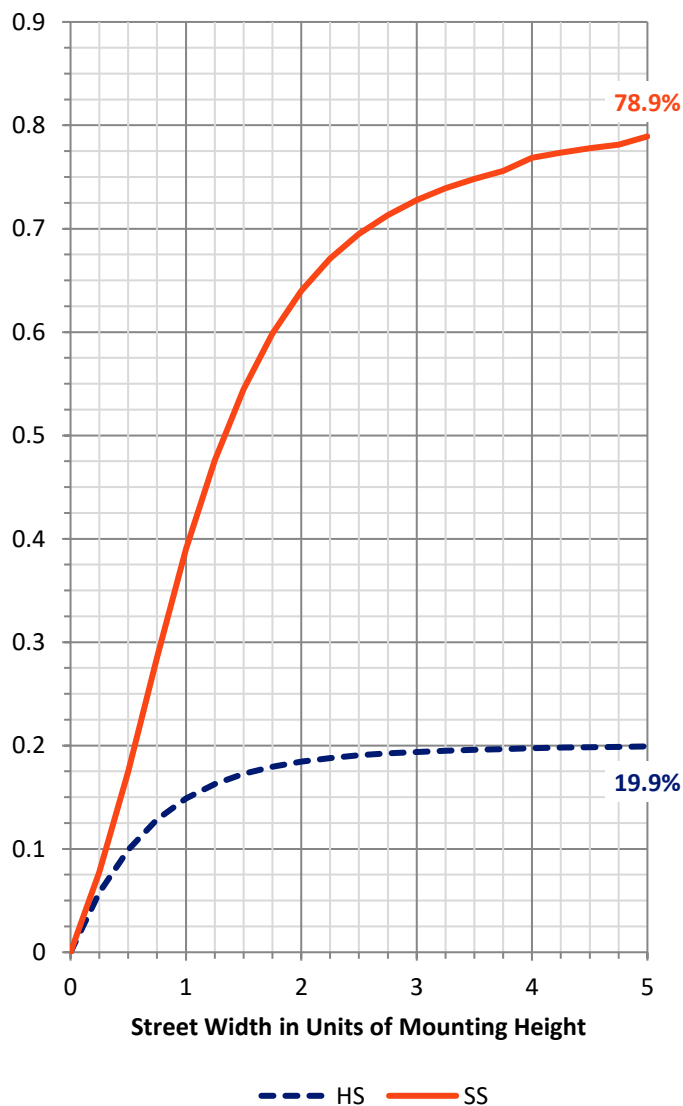
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	419.3	0.0	419.3
	% Fixture	20.0	0.0	20.0
<b>Street Side</b>	Lumens	1676.7	0.0	1676.7
	% Fixture	80.0	0.0	80.0
<b>Total</b>	Lumens	2096.0	0.0	2096.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.6	0.4
10°-20°	30.0	1.4
20°-30°	70.9	3.4
30°-40°	167.5	8.0
40°-50°	304.2	14.5
50°-60°	448.9	21.4
60°-70°	545.3	26.0
70°-80°	423.1	20.2
80°-90°	97.4	4.6
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°	2096.0	100.0
0°-180°	2096.0	100.0

**Coefficient of Utilization**



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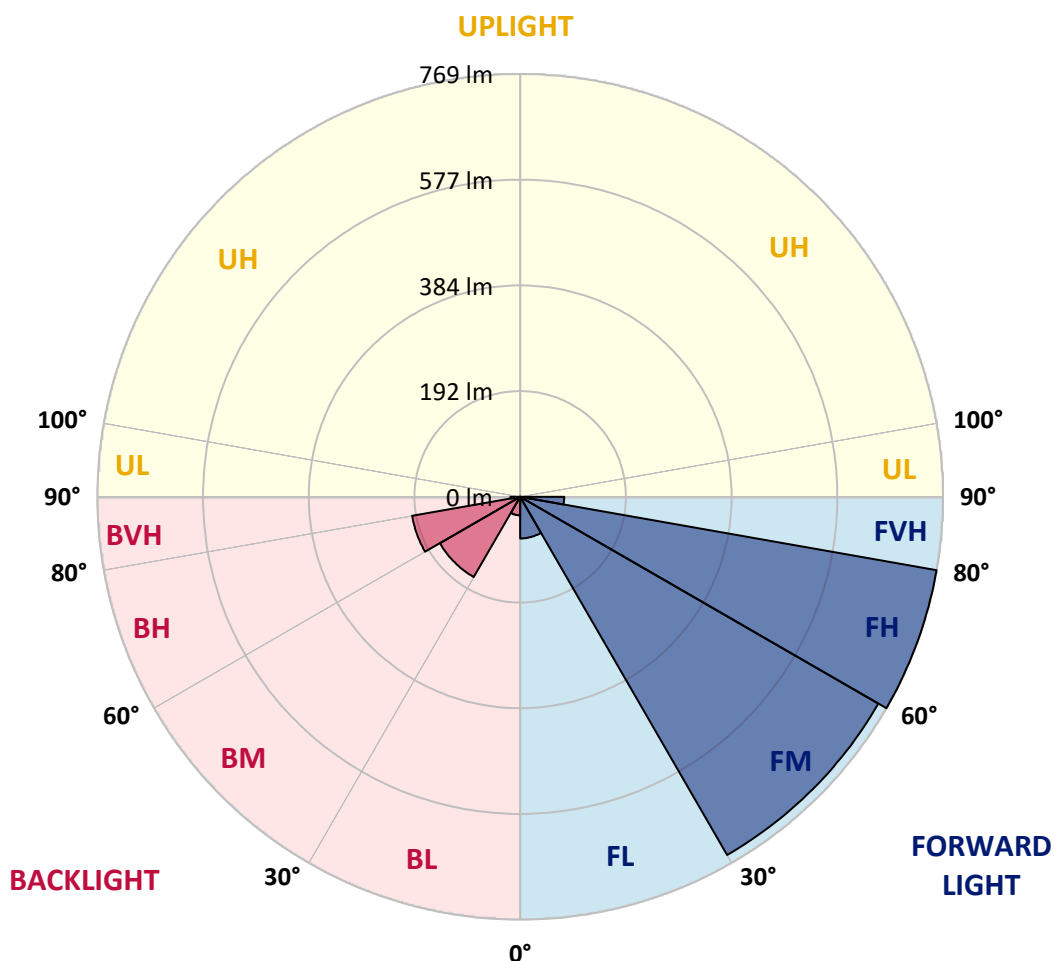
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	75.7	3.6			
FM (30°-60°)	752.1	35.9			
FH (60°-80°)	768.9	36.7			G1/1800
FVH (80°-90°)	80.0	3.8			G1/100
BL (0°-30°)	33.8	1.6	B0/110		
BM (30°-60°)	168.5	8.0	B0/220		
BH (60°-80°)	199.6	9.5	B1/500		G1/500
BVH (80°-90°)	17.4	0.8			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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
2.5°	92.7	93.6	92.7	92.7	91.9	91.1	89.4	87.7	87.7	86.9	85.2
5°	101.1	101.9	101.1	100.2	99.4	97.7	95.2	93.6	93.6	90.2	87.7
7.5°	109.4	109.4	109.4	107.8	106.1	104.4	101.1	98.6	98.6	95.2	91.1
10°	120.3	120.3	120.3	117.8	114.4	111.9	107.8	104.4	104.4	99.4	94.4
12.5°	132.8	133.7	132.0	130.3	127.0	122.0	116.1	111.9	111.9	106.1	98.6
15°	145.4	146.2	143.7	142.8	140.3	134.5	126.1	120.3	119.5	112.8	103.6
17.5°	164.6	165.4	162.9	159.6	154.5	150.4	140.3	131.2	130.3	121.1	109.4
20°	189.6	190.5	188.0	183.8	175.4	169.6	160.4	147.9	147.0	133.7	119.5
22.5°	219.7	221.4	216.4	209.7	203.0	193.8	182.1	169.6	167.9	150.4	132.8
25°	264.8	267.3	255.6	243.1	232.2	226.4	208.8	194.6	193.8	167.1	147.9
27.5°	308.2	307.4	299.9	289.9	268.1	259.8	242.3	225.5	226.4	191.3	165.4
30°	370.9	370.1	354.2	342.5	328.3	302.4	289.0	263.1	263.1	224.7	189.6
32.5°	464.5	463.6	445.2	414.3	394.3	364.2	344.2	310.8	309.9	265.6	219.7
35°	584.7	582.2	552.2	510.4	467.8	446.1	406.0	373.4	370.1	314.1	258.1
37.5°	644.9	642.4	620.7	585.6	544.7	512.9	475.3	444.4	440.2	371.7	299.9
40°	681.7	681.7	665.8	636.5	609.8	573.9	549.7	514.6	508.7	436.9	349.2
42.5°	706.7	706.7	696.7	674.1	659.9	636.5	617.3	580.6	575.6	502.9	404.3
45°	714.2	713.4	707.5	705.0	692.5	695.0	680.8	644.9	639.9	568.0	462.8
47.5°	736.8	736.8	716.7	713.4	720.1	741.8	738.5	708.4	704.2	629.0	522.1
50°	735.9	736.8	736.8	719.2	747.6	772.7	786.9	766.9	764.4	687.5	579.7
52.5°	746.8	746.0	734.3	744.3	757.7	796.1	827.8	819.5	817.0	741.8	633.2
55°	837.9	829.5	805.3	786.9	805.3	859.6	895.5	882.1	875.5	797.8	682.5
57.5°	871.3	867.1	848.7	825.3	856.2	920.6	969.8	960.7	949.0	856.2	730.9
60°	856.2	853.7	843.7	830.3	872.1	948.1	1020.0	1020.8	1016.6	912.2	779.4
62.5°	846.2	842.0	815.3	817.0	857.9	954.0	1041.7	1063.4	1061.7	959.0	816.1
65°	800.3	797.8	782.7	776.9	828.7	937.3	1040.0	1074.3	1074.3	988.2	839.5
67.5°	719.2	723.4	727.6	728.4	789.4	903.0	1009.9	1055.1	1057.6	989.1	839.5
70°	647.4	649.9	652.4	670.8	730.9	847.1	955.6	1004.9	1009.1	955.6	814.5
72.5°	581.4	584.7	580.6	601.5	655.8	768.5	875.5	925.6	932.3	885.5	761.8
75°	505.4	506.2	504.6	513.7	567.2	672.5	771.0	817.8	821.2	787.7	679.1
77.5°	419.3	423.5	417.7	423.5	473.6	559.7	648.2	681.7	690.0	654.1	563.0
80°	325.8	328.3	319.9	324.1	359.2	435.2	499.5	517.9	526.3	492.0	421.0
82.5°	223.0	227.2	213.9	220.5	249.8	297.4	334.1	332.5	340.0	307.4	259.0
85°	94.4	100.2	97.7	102.7	116.9	126.1	136.2	121.1	122.0	113.6	92.7
87.5°	2.5	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8
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°	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
2.5°	84.4	84.4	83.5	82.7	81.9	81.0	80.2	80.2	79.4	79.4	79.4
5°	86.9	86.0	83.5	81.9	80.2	78.5	77.7	76.0	76.0	75.2	75.2
7.5°	89.4	87.7	85.2	81.9	79.4	76.9	74.3	72.7	71.8	71.8	71.8
10°	91.9	90.2	86.0	82.7	78.5	75.2	72.7	71.0	70.2	70.2	69.3
12.5°	96.1	92.7	87.7	82.7	77.7	74.3	71.8	69.3	68.5	67.7	66.8
15°	99.4	96.1	90.2	83.5	77.7	73.5	70.2	66.8	65.2	64.3	64.3
17.5°	104.4	100.2	92.7	84.4	78.5	72.7	68.5	65.2	63.5	62.7	62.7
20°	112.8	107.8	96.9	86.9	80.2	72.7	67.7	64.3	61.8	60.1	60.1
22.5°	123.6	116.9	103.6	91.1	81.9	73.5	67.7	62.7	59.3	58.5	57.6
25°	136.2	127.0	110.3	96.1	83.5	74.3	66.8	61.0	57.6	56.8	56.0
27.5°	148.7	138.7	117.8	101.9	86.9	75.2	66.8	60.1	56.8	55.1	54.3
30°	169.6	152.9	126.1	107.8	90.2	76.9	66.8	59.3	55.1	53.5	53.5
32.5°	192.1	172.9	136.2	113.6	94.4	78.5	66.8	58.5	54.3	52.6	51.8
35°	224.7	196.3	151.2	117.8	98.6	80.2	66.8	58.5	53.5	51.0	51.0
37.5°	261.5	229.7	167.9	127.0	101.9	81.9	66.8	57.6	51.8	50.1	49.3
40°	304.1	263.1	191.3	139.5	106.1	84.4	68.5	57.6	51.8	49.3	49.3
42.5°	350.8	303.2	218.9	154.5	112.8	87.7	69.3	57.6	51.0	48.5	48.5
45°	400.1	348.3	248.1	173.8	122.8	91.1	70.2	56.8	50.1	47.6	46.8
47.5°	455.3	394.3	279.0	193.0	132.8	93.6	71.0	56.8	49.3	46.8	45.9
50°	507.1	444.4	313.3	213.9	143.7	97.7	72.7	56.0	48.5	45.9	45.1
52.5°	557.2	489.5	349.2	234.7	156.2	104.4	73.5	56.0	47.6	44.3	44.3
55°	604.8	533.0	383.4	255.6	170.4	111.1	74.3	56.0	46.8	43.4	43.4
57.5°	647.4	576.4	415.2	276.5	182.9	117.8	74.3	54.3	45.1	42.6	41.8
60°	692.5	616.5	445.2	295.7	193.8	122.8	75.2	53.5	43.4	40.1	40.1
62.5°	731.8	649.1	470.3	311.6	200.5	126.1	76.0	51.8	41.8	38.4	38.4
65°	756.8	670.8	488.7	321.6	203.8	127.0	75.2	48.5	38.4	35.9	35.9
67.5°	761.0	675.8	493.7	323.3	201.3	124.5	72.7	44.3	35.9	32.6	32.6
70°	739.3	657.4	482.0	313.3	193.0	116.9	67.7	40.1	31.7	28.4	28.4
72.5°	690.0	614.8	451.9	290.7	176.3	106.1	61.0	35.9	27.6	25.1	25.1
75°	612.3	545.5	398.5	254.8	152.9	91.1	51.8	30.9	22.6	20.9	20.9
77.5°	503.7	448.6	328.3	203.8	120.3	71.8	41.8	25.1	17.5	16.7	16.7
80°	373.4	328.3	234.7	141.2	81.9	49.3	30.1	18.4	12.5	11.7	11.7
82.5°	223.0	193.0	134.5	80.2	42.6	27.6	17.5	11.7	7.5	6.7	6.7
85°	75.2	63.5	40.1	22.6	10.9	7.5	5.0	5.0	3.3	2.5	1.7
87.5°	0.8	0.8	0.8	0.8	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

(END OF REPORT)