

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: P553697

Luminaire Tested: **LXS-VA1-740-U-ASC-S**

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553697  
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-VA1-740-U-ASC-S  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
70 CRI, 4000K LEDS AND TYPE II OPTIC, SPIDER MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1923 lumens  
Efficiency: N/A  
Efficacy: 80.1 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

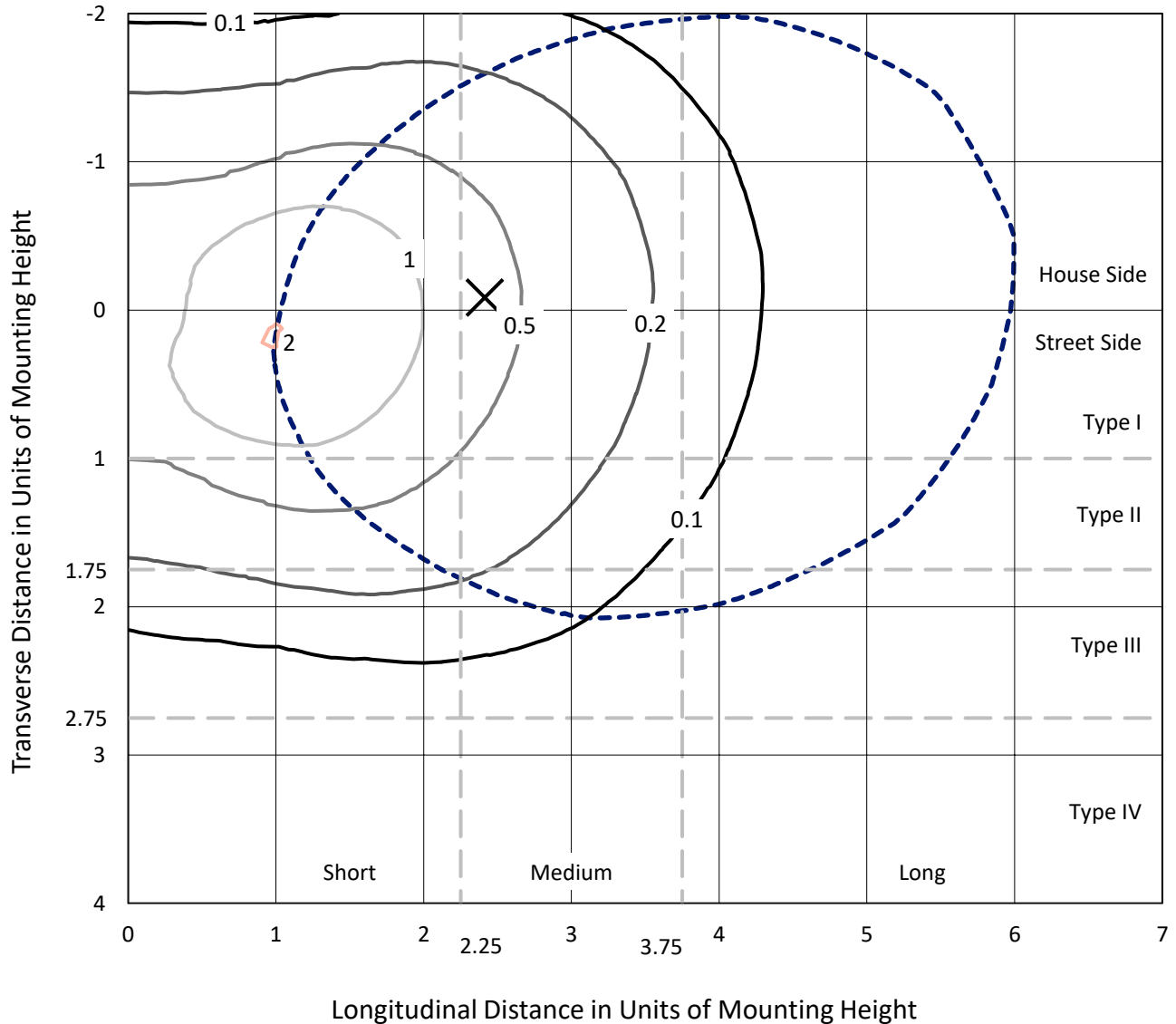
Input Watts (W): 24  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

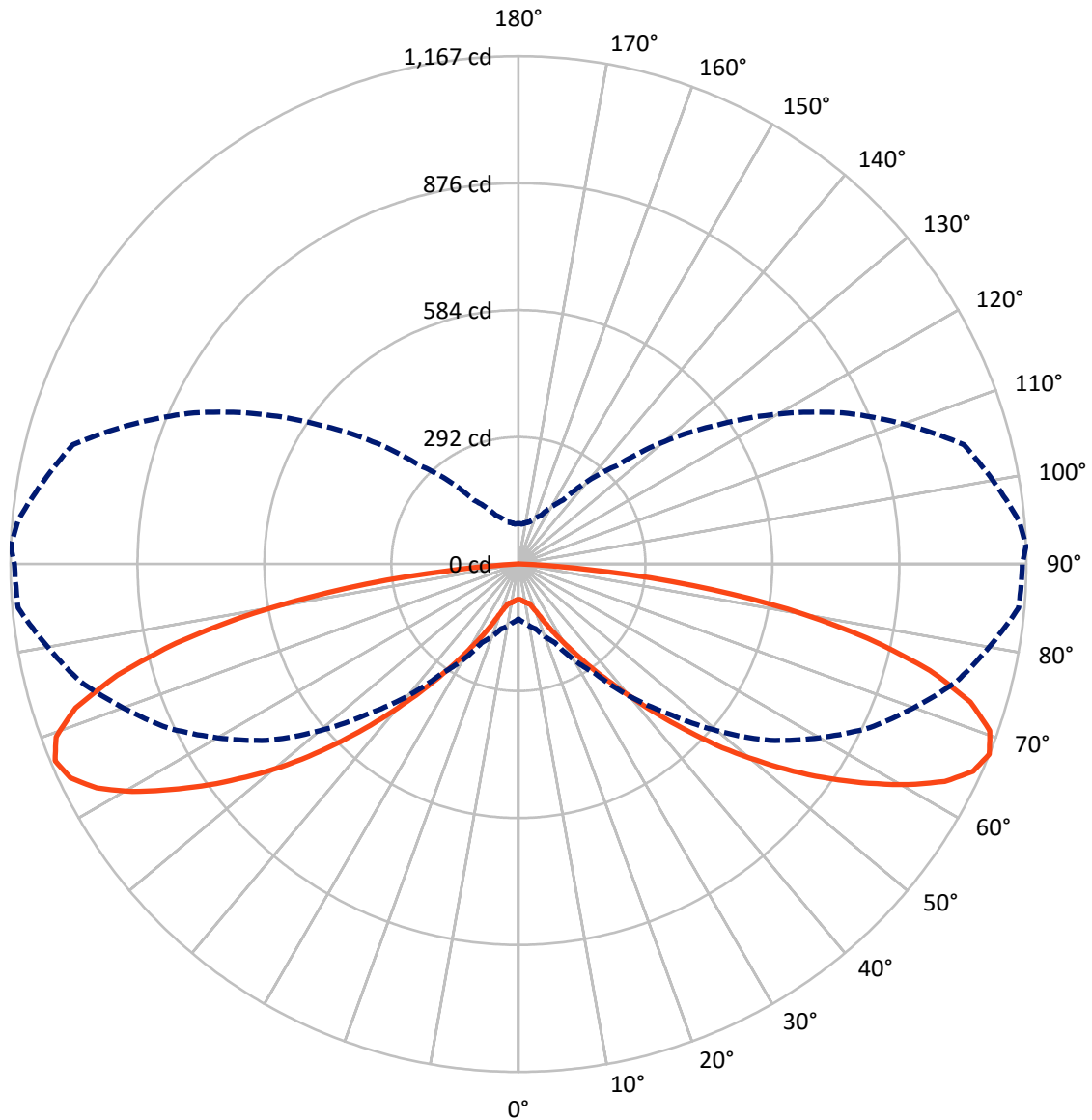
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2 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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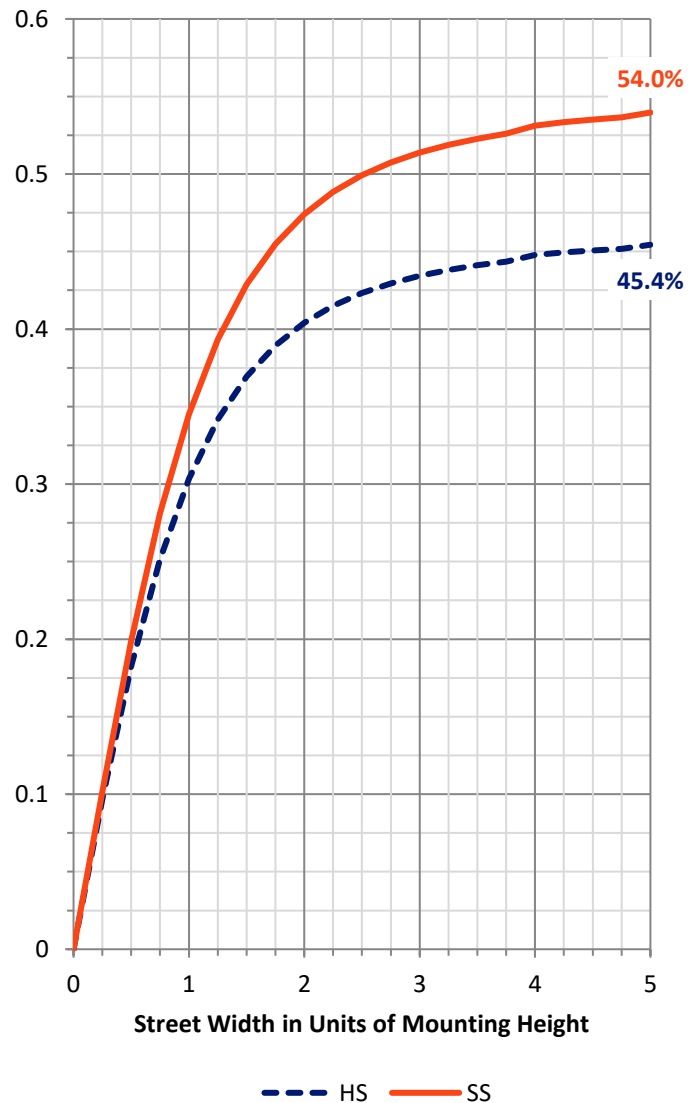
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	879.8	0.0	879.8
	% Fixture	45.7	0.0	45.7
<b>Street Side</b>	Lumens	1043.2	0.0	1043.2
	% Fixture	54.3	0.0	54.3
<b>Total</b>	Lumens	1923.0	0.0	1923.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.2	0.4
10°-20°	27.1	1.4
20°-30°	61.4	3.2
30°-40°	130.5	6.8
40°-50°	242.4	12.6
50°-60°	390.9	20.3
60°-70°	514.8	26.8
70°-80°	438.6	22.8
80°-90°	108.9	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°	1923.0	100.0
0°-180°	1923.0	100.0



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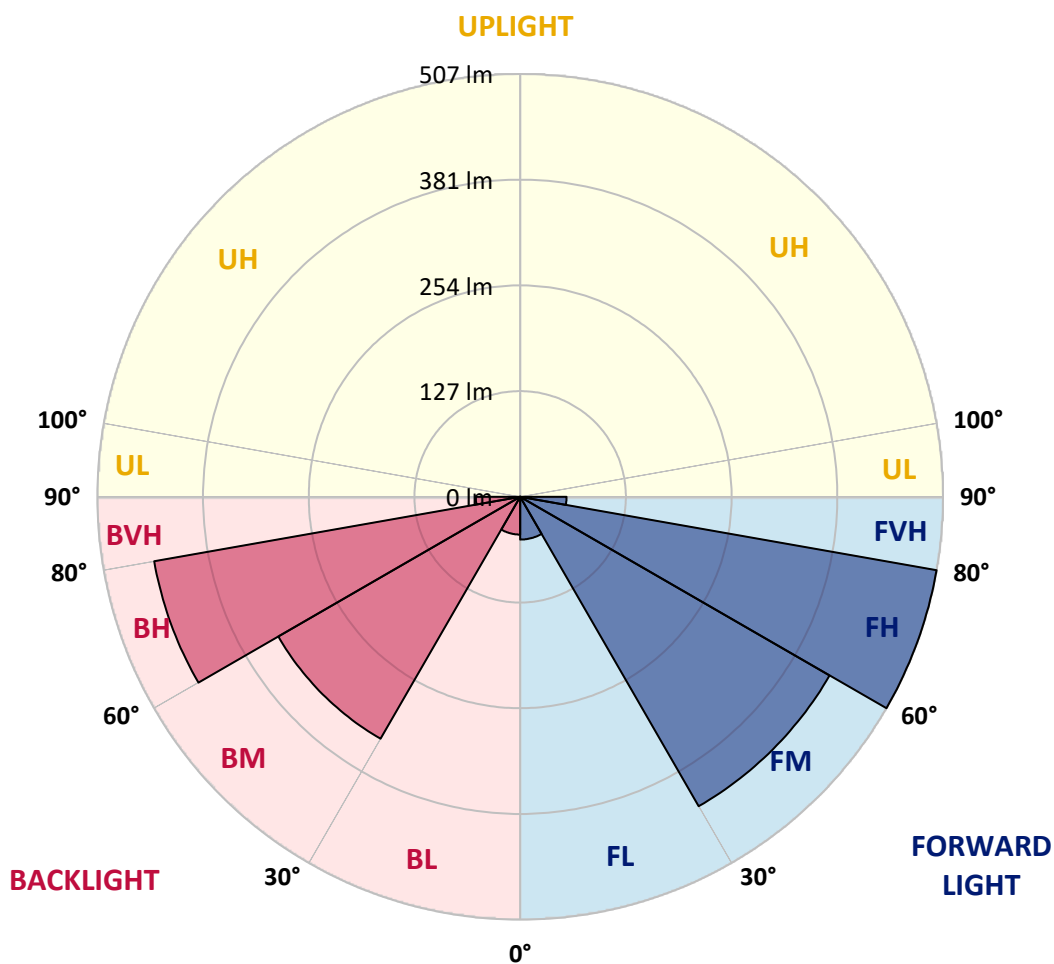
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	51.4	2.7			
FM	(30°-60°)	428.8	22.3			
FH	(60°-80°)	507.5	26.4			G0/660
FVH	(80°-90°)	55.7	2.9			G1/100
BL	(0°-30°)	45.3	2.4	B0/110		
BM	(30°-60°)	335.2	17.4	B1/1000		
BH	(60°-80°)	446.0	23.2	B1/500		G1/500
BVH	(80°-90°)	53.3	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°	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
2.5°	82.2	82.2	82.2	82.2	83.2	83.2	82.2	82.2	82.2	82.2	82.2
5°	85.2	84.2	85.2	85.2	85.2	85.2	84.2	84.2	84.2	84.2	84.2
7.5°	86.3	86.3	86.3	86.3	87.3	87.3	87.3	86.3	86.3	86.3	87.3
10°	86.3	87.3	87.3	88.3	89.3	90.3	90.3	89.3	89.3	89.3	89.3
12.5°	89.3	89.3	89.3	90.3	92.3	92.3	93.3	93.3	92.3	91.3	92.3
15°	92.3	92.3	93.3	94.3	96.3	96.3	96.3	96.3	95.3	94.3	93.3
17.5°	97.3	97.3	99.3	100.3	103.3	104.3	105.3	106.3	105.3	103.3	103.3
20°	104.3	104.3	106.3	108.3	110.3	113.3	115.3	115.3	115.3	115.3	115.3
22.5°	107.3	108.3	111.3	116.3	120.4	124.4	127.4	130.4	134.4	134.4	133.4
25°	110.3	111.3	116.3	122.4	131.4	139.4	149.4	159.5	164.5	160.5	159.5
27.5°	115.3	116.3	121.4	129.4	141.4	159.5	179.5	195.6	199.6	189.6	186.5
30°	118.3	119.3	127.4	137.4	151.4	182.5	212.6	233.7	234.7	222.7	217.6
32.5°	125.4	126.4	133.4	145.4	168.5	208.6	250.7	273.8	278.8	264.8	256.8
35°	134.4	135.4	142.4	155.5	188.6	238.7	288.8	312.9	324.9	312.9	300.9
37.5°	137.4	139.4	147.4	165.5	207.6	270.8	326.0	358.0	378.1	366.1	353.0
40°	140.4	141.4	149.4	174.5	225.7	298.9	363.1	410.2	437.3	426.2	414.2
42.5°	142.4	143.4	151.4	181.5	242.7	320.9	401.2	465.4	501.5	495.4	482.4
45°	142.4	143.4	153.4	189.6	257.8	344.0	440.3	519.5	569.7	569.7	554.6
47.5°	143.4	143.4	153.4	197.6	269.8	369.1	480.4	570.7	634.9	649.9	630.8
50°	146.4	147.4	159.5	203.6	285.8	397.2	524.5	623.8	701.0	725.1	713.1
52.5°	146.4	146.4	163.5	211.6	299.9	420.2	562.6	678.0	769.2	798.3	793.3
55°	150.4	151.4	168.5	220.6	310.9	445.3	602.8	732.1	837.4	874.6	873.6
57.5°	149.4	152.4	172.5	224.7	321.9	474.4	649.9	784.3	906.6	955.8	949.8
60°	145.4	149.4	172.5	224.7	329.0	494.4	690.0	836.4	963.8	1035.0	1027.0
62.5°	140.4	145.4	168.5	220.6	328.0	502.5	713.1	875.6	1008.9	1101.2	1094.2
65°	134.4	142.4	162.5	211.6	319.9	499.5	719.1	895.6	1037.0	1143.3	1140.3
67.5°	126.4	134.4	154.5	199.6	306.9	485.4	707.1	890.6	1043.0	1154.4	1158.4
70°	117.3	124.4	142.4	184.5	287.8	461.3	679.0	857.5	1017.0	1127.3	1139.3
72.5°	108.3	112.3	128.4	164.5	259.8	425.2	630.8	797.3	955.8	1059.1	1077.1
75°	97.3	99.3	112.3	142.4	224.7	376.1	563.6	703.1	850.5	948.8	961.8
77.5°	83.2	83.2	94.3	116.3	185.5	312.9	473.4	590.7	718.1	795.3	815.4
80°	67.2	66.2	72.2	88.3	138.4	235.7	363.1	448.3	549.6	607.8	623.8
82.5°	48.1	47.1	49.1	56.2	88.3	154.5	235.7	288.8	358.0	394.2	404.2
85°	25.1	25.1	25.1	27.1	37.1	63.2	96.3	106.3	151.4	156.5	163.5
87.5°	6.0	6.0	6.0	5.0	4.0	4.0	3.0	3.0	3.0	3.0	2.0
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):**

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
2.5°	82.2	82.2	82.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
5°	84.2	85.2	85.2	85.2	85.2	84.2	84.2	84.2	83.2	83.2	83.2
7.5°	87.3	87.3	87.3	86.3	86.3	86.3	85.2	85.2	85.2	85.2	85.2
10°	89.3	89.3	89.3	88.3	88.3	88.3	88.3	87.3	86.3	86.3	86.3
12.5°	92.3	92.3	91.3	90.3	90.3	90.3	89.3	87.3	86.3	86.3	86.3
15°	94.3	93.3	92.3	91.3	91.3	91.3	89.3	88.3	87.3	86.3	86.3
17.5°	103.3	102.3	100.3	97.3	96.3	95.3	93.3	91.3	89.3	87.3	87.3
20°	116.3	114.3	111.3	105.3	101.3	100.3	99.3	93.3	88.3	86.3	86.3
22.5°	134.4	133.4	124.4	116.3	110.3	107.3	104.3	97.3	91.3	87.3	86.3
25°	158.5	153.4	142.4	131.4	122.4	114.3	110.3	103.3	96.3	92.3	92.3
27.5°	184.5	179.5	165.5	152.4	138.4	122.4	116.3	107.3	100.3	99.3	99.3
30°	215.6	209.6	192.6	173.5	153.4	131.4	121.4	109.3	104.3	105.3	106.3
32.5°	252.7	244.7	221.6	198.6	170.5	142.4	125.4	113.3	108.3	109.3	109.3
35°	297.9	287.8	259.8	226.7	187.5	153.4	129.4	118.3	111.3	109.3	109.3
37.5°	347.0	336.0	302.9	261.8	208.6	162.5	135.4	121.4	114.3	111.3	111.3
40°	407.2	392.1	350.0	299.9	232.7	174.5	141.4	126.4	118.3	112.3	112.3
42.5°	474.4	458.3	405.2	341.0	260.8	189.6	147.4	132.4	118.3	112.3	112.3
45°	548.6	530.6	467.4	386.1	289.8	204.6	154.5	134.4	119.3	113.3	113.3
47.5°	630.8	612.8	536.6	435.3	318.9	218.6	162.5	137.4	121.4	114.3	114.3
50°	709.1	692.0	611.8	489.4	351.0	232.7	168.5	141.4	120.4	113.3	112.3
52.5°	791.3	769.2	690.0	546.6	388.1	250.7	174.5	142.4	120.4	113.3	113.3
55°	871.5	846.5	772.3	607.8	426.2	270.8	181.5	142.4	120.4	112.3	112.3
57.5°	950.8	925.7	852.5	670.0	462.4	286.8	186.5	142.4	118.3	110.3	110.3
60°	1030.0	1006.9	926.7	727.1	495.4	299.9	188.6	141.4	115.3	108.3	107.3
62.5°	1100.2	1079.2	989.9	774.3	524.5	310.9	187.5	136.4	112.3	104.3	104.3
65°	1148.4	1131.3	1037.0	807.4	546.6	318.9	185.5	130.4	107.3	99.3	98.3
67.5°	1167.4	1154.4	1060.1	822.4	556.6	319.9	179.5	123.4	100.3	92.3	93.3
70°	1149.4	1139.3	1050.1	814.4	550.6	310.9	169.5	114.3	92.3	85.2	85.2
72.5°	1086.2	1081.2	995.9	776.3	522.5	291.9	154.5	102.3	83.2	76.2	77.2
75°	976.9	976.9	899.6	707.1	473.4	262.8	136.4	88.3	73.2	67.2	67.2
77.5°	821.4	825.4	758.2	601.8	403.2	222.7	114.3	74.2	61.2	56.2	56.2
80°	627.8	630.8	579.7	471.4	315.9	175.5	88.3	57.2	47.1	43.1	44.1
82.5°	404.2	407.2	375.1	310.9	213.6	120.4	61.2	39.1	33.1	30.1	30.1
85°	159.5	164.5	150.4	126.4	98.3	60.2	31.1	20.1	19.1	16.0	15.0
87.5°	3.0	3.0	4.0	6.0	8.0	8.0	6.0	5.0	5.0	6.0	5.0
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)