

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: P553699

Luminaire Tested: **LXS-VA1-740-U-AST-C**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553699
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-VA1-740-U-AST-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 4000K LEDS AND TYPE IV OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2510 lumens
Efficiency: N/A
Efficacy: 104.6 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 (A_{in}): 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

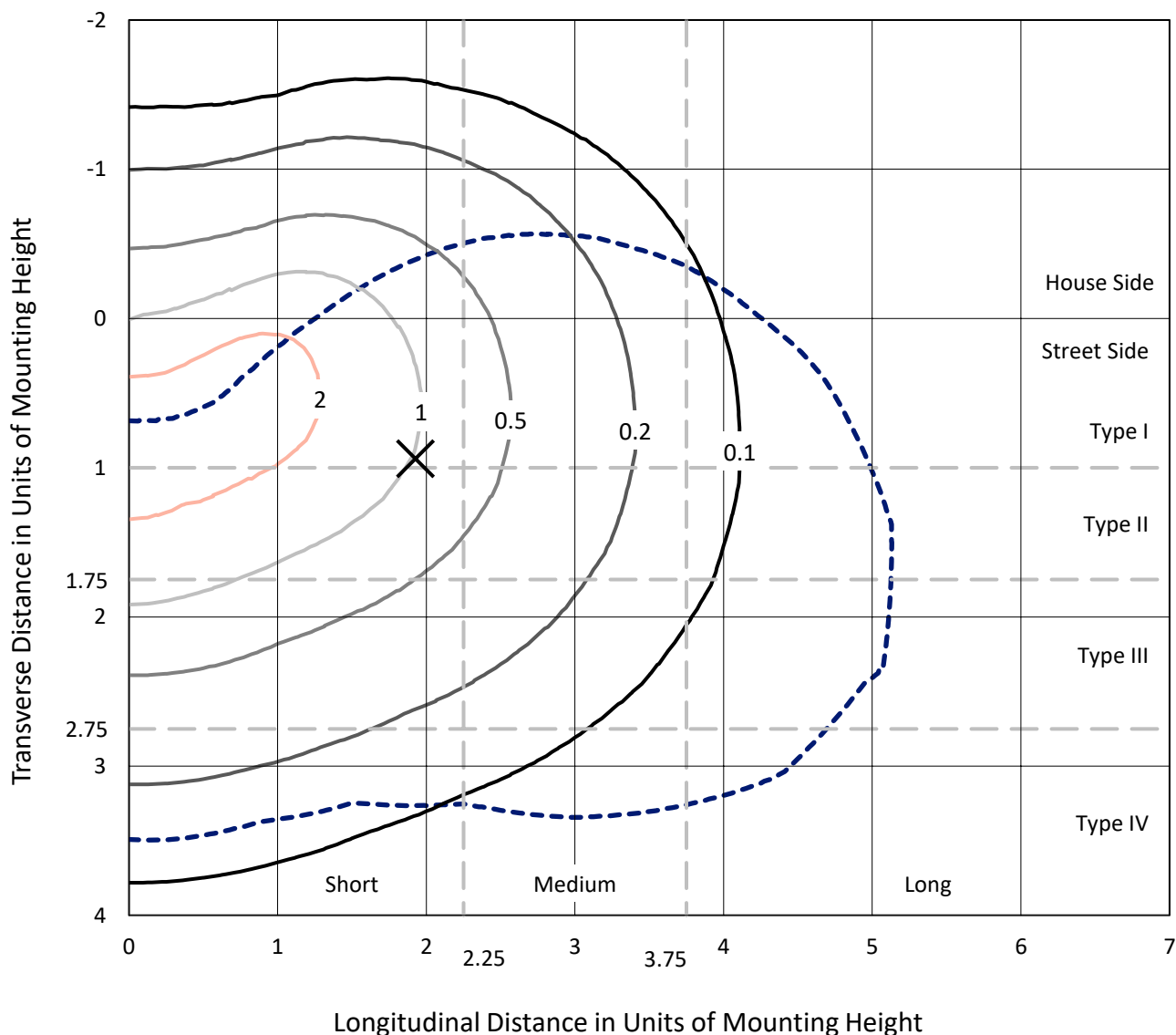


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Iso-Footcandle Lines of Horizontal Illumination

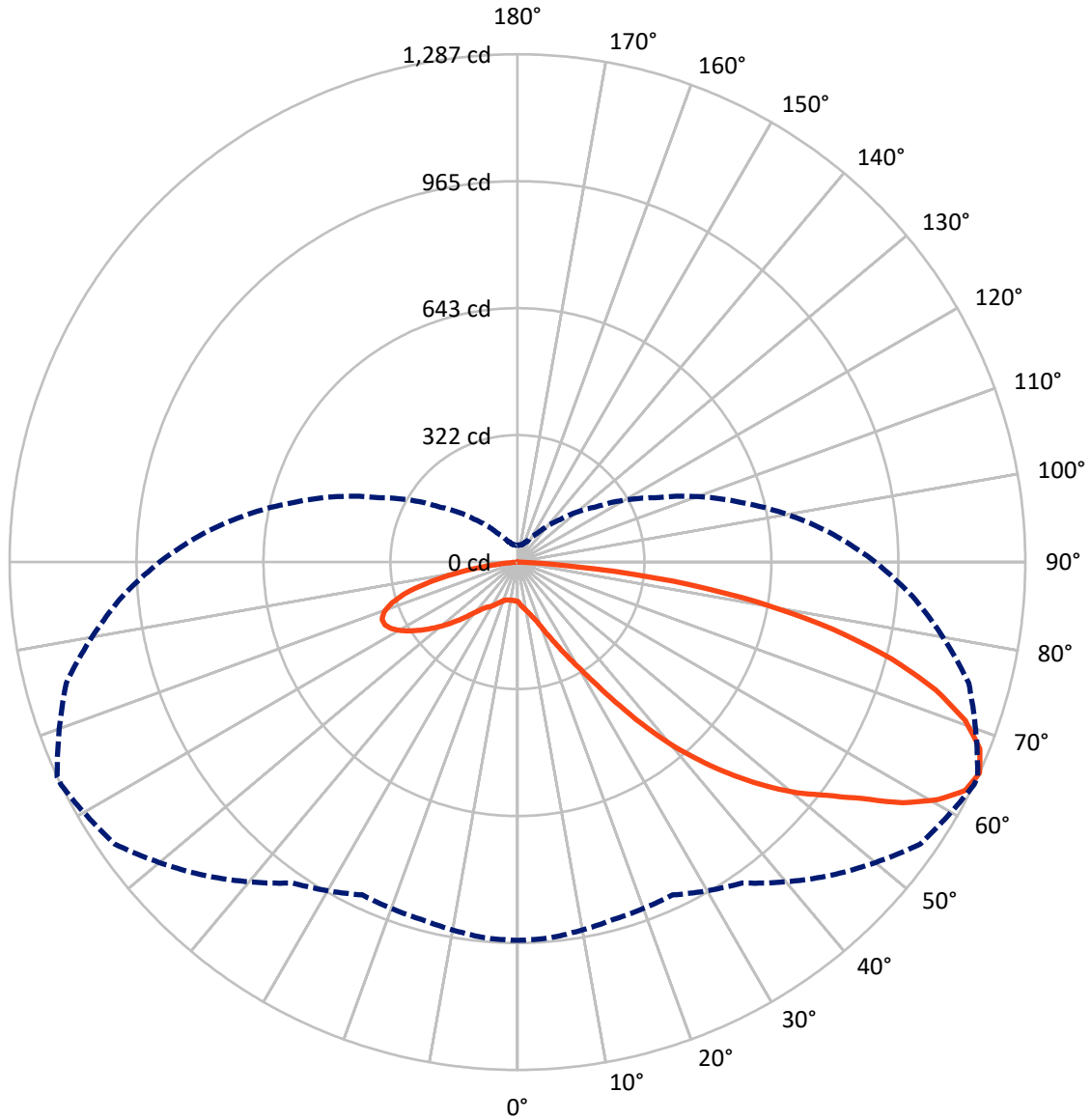
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 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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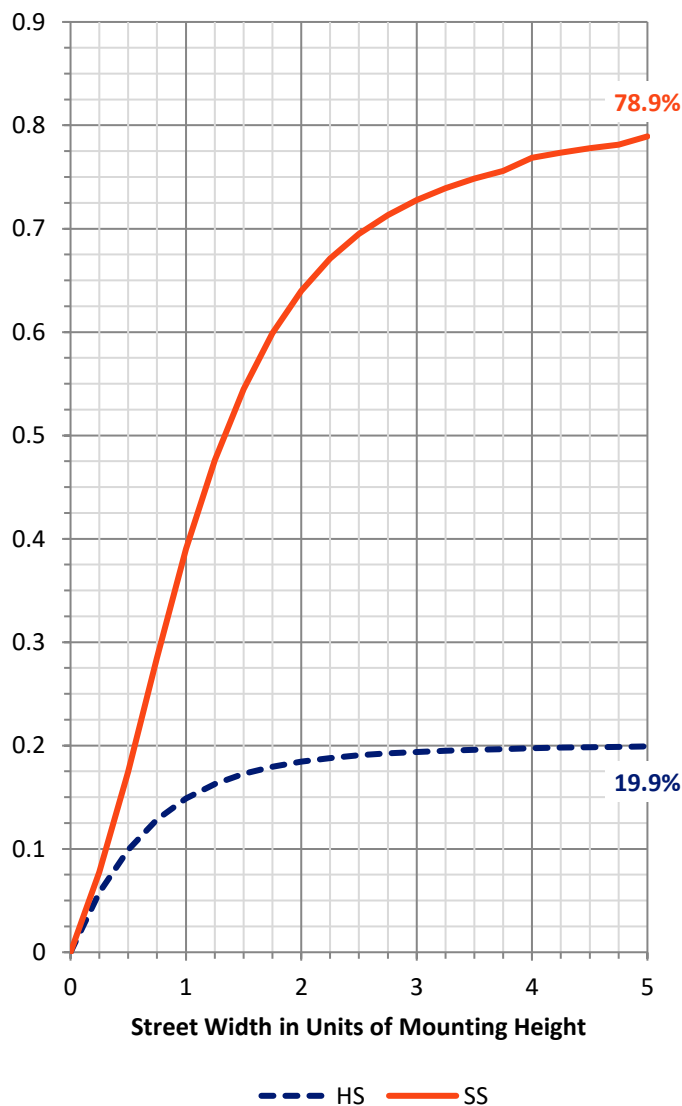
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	502.1	0.0	502.1
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	2007.9	0.0	2007.9
	% Fixture	80.0	0.0	80.0
Total	Lumens	2510.0	0.0	2510.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.2	0.4
10°-20°	36.0	1.4
20°-30°	84.9	3.4
30°-40°	200.6	8.0
40°-50°	364.3	14.5
50°-60°	537.6	21.4
60°-70°	653.1	26.0
70°-80°	506.7	20.2
80°-90°	116.6	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°	2510.0	100.0
0°-180°	2510.0	100.0

Coefficient of Utilization



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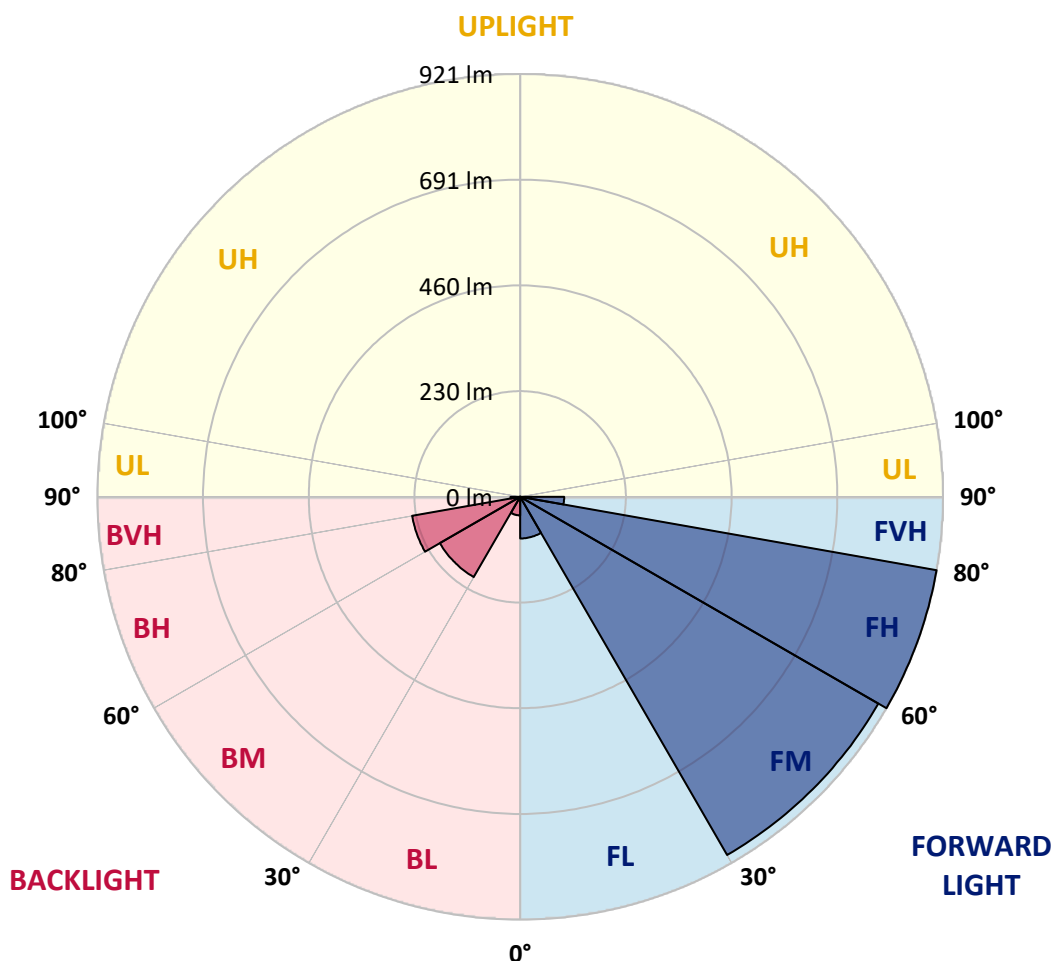
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	90.7	3.6			
FM	(30°-60°)	900.7	35.9			
FH	(60°-80°)	920.8	36.7			G1/1800
FVH	(80°-90°)	95.8	3.8			G1/100
BL	(0°-30°)	40.4	1.6	B0/110		
BM	(30°-60°)	201.8	8.0	B0/220		
BH	(60°-80°)	239.0	9.5	B1/500		G1/500
BVH	(80°-90°)	20.9	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°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
2.5°	111.0	112.0	111.0	111.0	110.0	109.0	107.0	105.0	105.0	104.0	102.0
5°	121.0	122.0	121.0	120.0	119.0	117.0	114.0	112.0	112.0	108.0	105.0
7.5°	131.0	131.0	131.0	129.0	127.0	125.0	121.0	118.0	118.0	114.0	109.0
10°	144.1	144.1	144.1	141.1	137.0	134.0	129.0	125.0	125.0	119.0	113.0
12.5°	159.1	160.1	158.1	156.1	152.1	146.1	139.0	134.0	134.0	127.0	118.0
15°	174.1	175.1	172.1	171.1	168.1	161.1	151.1	144.1	143.1	135.0	124.0
17.5°	197.1	198.1	195.1	191.1	185.1	180.1	168.1	157.1	156.1	145.1	131.0
20°	227.1	228.1	225.1	220.1	210.1	203.1	192.1	177.1	176.1	160.1	143.1
22.5°	263.1	265.1	259.1	251.1	243.1	232.1	218.1	203.1	201.1	180.1	159.1
25°	317.1	320.1	306.1	291.1	278.1	271.1	250.1	233.1	232.1	200.1	177.1
27.5°	369.1	368.1	359.1	347.1	321.1	311.1	290.1	270.1	271.1	229.1	198.1
30°	444.2	443.2	424.2	410.1	393.1	362.1	346.1	315.1	315.1	269.1	227.1
32.5°	556.2	555.2	533.2	496.2	472.2	436.2	412.1	372.1	371.1	318.1	263.1
35°	700.2	697.2	661.2	611.2	560.2	534.2	486.2	447.2	443.2	376.1	309.1
37.5°	772.3	769.3	743.3	701.2	652.2	614.2	569.2	532.2	527.2	445.2	359.1
40°	816.3	816.3	797.3	762.3	730.3	687.2	658.2	616.2	609.2	523.2	418.1
42.5°	846.3	846.3	834.3	807.3	790.3	762.3	739.3	695.2	689.2	602.2	484.2
45°	855.3	854.3	847.3	844.3	829.3	832.3	815.3	772.3	766.3	680.2	554.2
47.5°	882.3	882.3	858.3	854.3	862.3	888.3	884.3	848.3	843.3	753.3	625.2
50°	881.3	882.3	882.3	861.3	895.3	925.3	942.3	918.3	915.3	823.3	694.2
52.5°	894.3	893.3	879.3	891.3	907.3	953.3	991.4	981.3	978.3	888.3	758.3
55°	1003.4	993.4	964.3	942.3	964.3	1029.4	1072.4	1056.4	1048.4	955.3	817.3
57.5°	1043.4	1038.4	1016.4	988.4	1025.4	1102.4	1161.4	1150.4	1136.4	1025.4	875.3
60°	1025.4	1022.4	1010.4	994.4	1044.4	1135.4	1221.4	1222.4	1217.4	1092.4	933.3
62.5°	1013.4	1008.4	976.3	978.3	1027.4	1142.4	1247.4	1273.5	1271.5	1148.4	977.3
65°	958.3	955.3	937.3	930.3	992.4	1122.4	1245.4	1286.5	1286.5	1183.4	1005.4
67.5°	861.3	866.3	871.3	872.3	945.3	1081.4	1209.4	1263.4	1266.5	1184.4	1005.4
70°	775.3	778.3	781.3	803.3	875.3	1014.4	1144.4	1203.4	1208.4	1144.4	975.3
72.5°	696.2	700.2	695.2	720.3	785.3	920.3	1048.4	1108.4	1116.4	1060.4	912.3
75°	605.2	606.2	604.2	615.2	679.2	805.3	923.3	979.3	983.3	943.3	813.3
77.5°	502.2	507.2	500.2	507.2	567.2	670.2	776.3	816.3	826.3	783.3	674.2
80°	390.1	393.1	383.1	388.1	430.2	521.2	598.2	620.2	630.2	589.2	504.2
82.5°	267.1	272.1	256.1	264.1	299.1	356.1	400.1	398.1	407.1	368.1	310.1
85°	113.0	120.0	117.0	123.0	140.0	151.1	163.1	145.1	146.1	136.0	111.0
87.5°	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0
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°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
2.5°	101.0	101.0	100.0	99.0	98.0	97.0	96.0	96.0	95.0	95.0	95.0
5°	104.0	103.0	100.0	98.0	96.0	94.0	93.0	91.0	91.0	90.0	90.0
7.5°	107.0	105.0	102.0	98.0	95.0	92.0	89.0	87.0	86.0	86.0	86.0
10°	110.0	108.0	103.0	99.0	94.0	90.0	87.0	85.0	84.0	84.0	83.0
12.5°	115.0	111.0	105.0	99.0	93.0	89.0	86.0	83.0	82.0	81.0	80.0
15°	119.0	115.0	108.0	100.0	93.0	88.0	84.0	80.0	78.0	77.0	77.0
17.5°	125.0	120.0	111.0	101.0	94.0	87.0	82.0	78.0	76.0	75.0	75.0
20°	135.0	129.0	116.0	104.0	96.0	87.0	81.0	77.0	74.0	72.0	72.0
22.5°	148.1	140.0	124.0	109.0	98.0	88.0	81.0	75.0	71.0	70.0	69.0
25°	163.1	152.1	132.0	115.0	100.0	89.0	80.0	73.0	69.0	68.0	67.0
27.5°	178.1	166.1	141.1	122.0	104.0	90.0	80.0	72.0	68.0	66.0	65.0
30°	203.1	183.1	151.1	129.0	108.0	92.0	80.0	71.0	66.0	64.0	64.0
32.5°	230.1	207.1	163.1	136.0	113.0	94.0	80.0	70.0	65.0	63.0	62.0
35°	269.1	235.1	181.1	141.1	118.0	96.0	80.0	70.0	64.0	61.0	61.0
37.5°	313.1	275.1	201.1	152.1	122.0	98.0	80.0	69.0	62.0	60.0	59.0
40°	364.1	315.1	229.1	167.1	127.0	101.0	82.0	69.0	62.0	59.0	59.0
42.5°	420.1	363.1	262.1	185.1	135.0	105.0	83.0	69.0	61.0	58.0	58.0
45°	479.2	417.1	297.1	208.1	147.1	109.0	84.0	68.0	60.0	57.0	56.0
47.5°	545.2	472.2	334.1	231.1	159.1	112.0	85.0	68.0	59.0	56.0	55.0
50°	607.2	532.2	375.1	256.1	172.1	117.0	87.0	67.0	58.0	55.0	54.0
52.5°	667.2	586.2	418.1	281.1	187.1	125.0	88.0	67.0	57.0	53.0	53.0
55°	724.3	638.2	459.2	306.1	204.1	133.0	89.0	67.0	56.0	52.0	52.0
57.5°	775.3	690.2	497.2	331.1	219.1	141.1	89.0	65.0	54.0	51.0	50.0
60°	829.3	738.3	533.2	354.1	232.1	147.1	90.0	64.0	52.0	48.0	48.0
62.5°	876.3	777.3	563.2	373.1	240.1	151.1	91.0	62.0	50.0	46.0	46.0
65°	906.3	803.3	585.2	385.1	244.1	152.1	90.0	58.0	46.0	43.0	43.0
67.5°	911.3	809.3	591.2	387.1	241.1	149.1	87.0	53.0	43.0	39.0	39.0
70°	885.3	787.3	577.2	375.1	231.1	140.0	81.0	48.0	38.0	34.0	34.0
72.5°	826.3	736.3	541.2	348.1	211.1	127.0	73.0	43.0	33.0	30.0	30.0
75°	733.3	653.2	477.2	305.1	183.1	109.0	62.0	37.0	27.0	25.0	25.0
77.5°	603.2	537.2	393.1	244.1	144.1	86.0	50.0	30.0	21.0	20.0	20.0
80°	447.2	393.1	281.1	169.1	98.0	59.0	36.0	22.0	15.0	14.0	14.0
82.5°	267.1	231.1	161.1	96.0	51.0	33.0	21.0	14.0	9.0	8.0	8.0
85°	90.0	76.0	48.0	27.0	13.0	9.0	6.0	6.0	4.0	3.0	2.0
87.5°	1.0	1.0	1.0	1.0	1.0	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)