

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: P553698

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553698
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-3)
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-A
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 4000K LEDS AND TYPE IV OPTIC, ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2593 lumens
Efficiency: N/A
Efficacy: 108.0 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

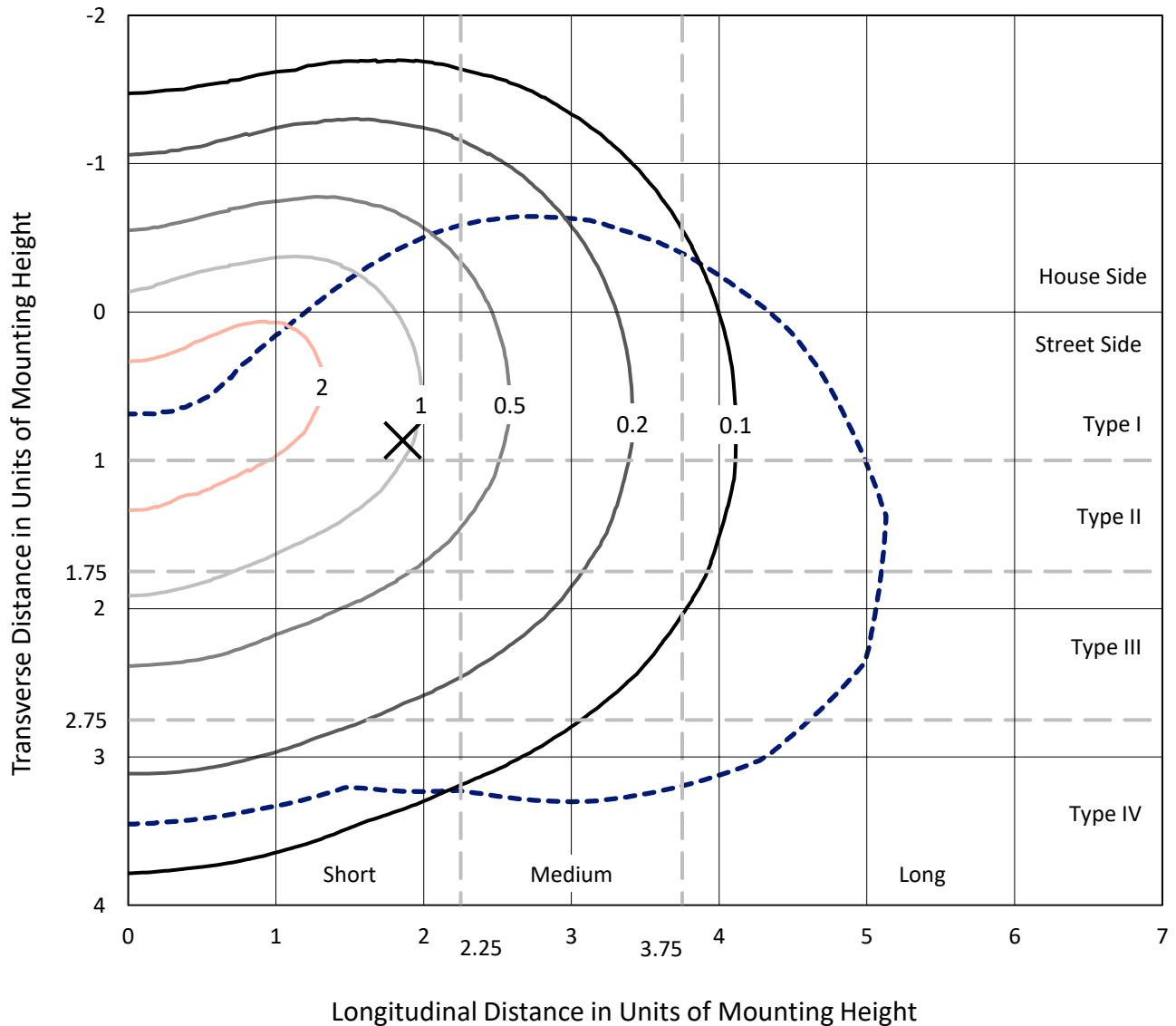


REPORT NUMBER: P553698

CATALOG NUMBER: LXS-VA1-740-U-AST-A

Iso-Footcandle Lines of Horizontal Illumination

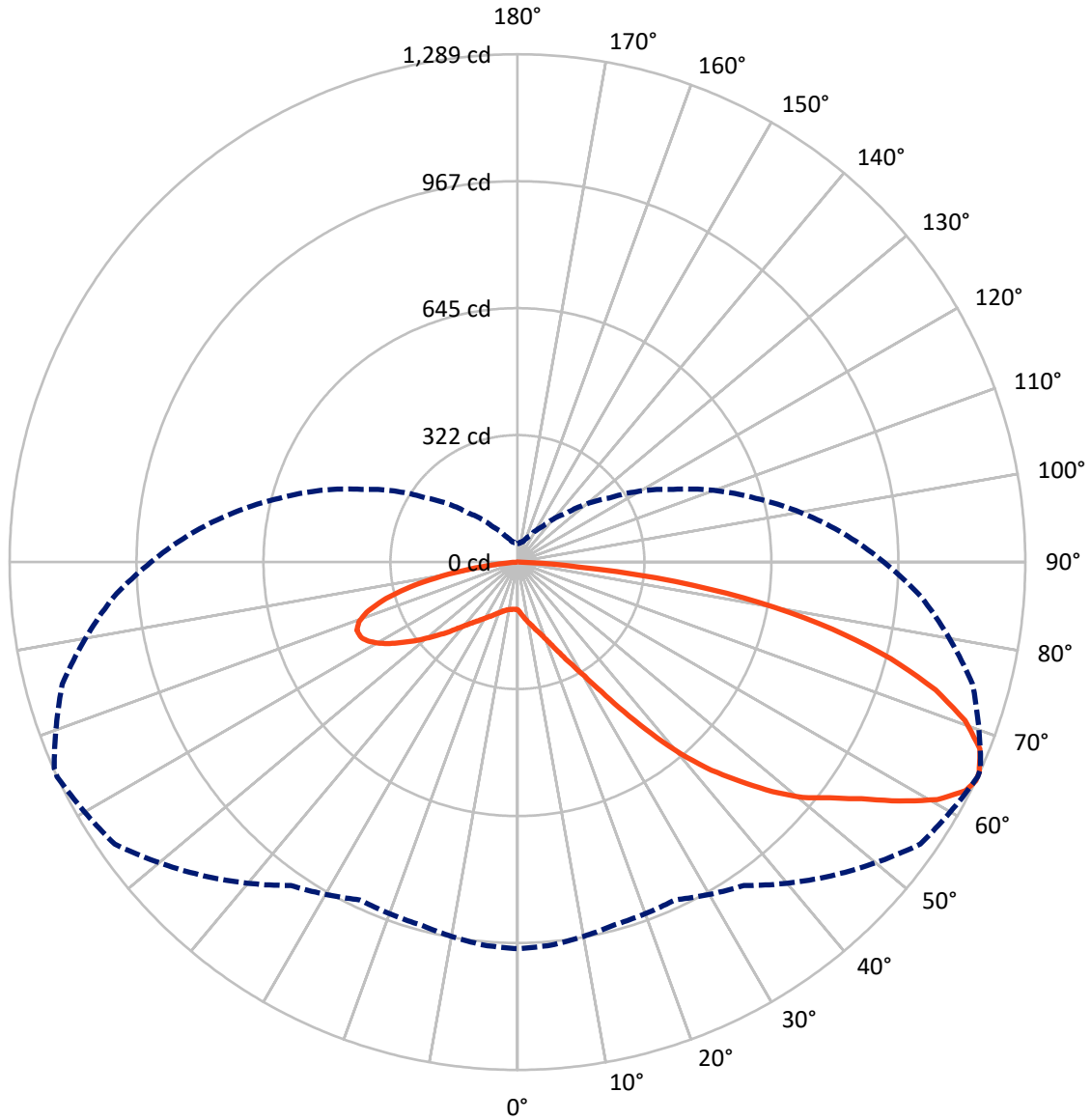
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P553698
CATALOG NUMBER: LXS-VA1-740-U-AST-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P553698

CATALOG NUMBER: LXS-VA1-740-U-AST-A

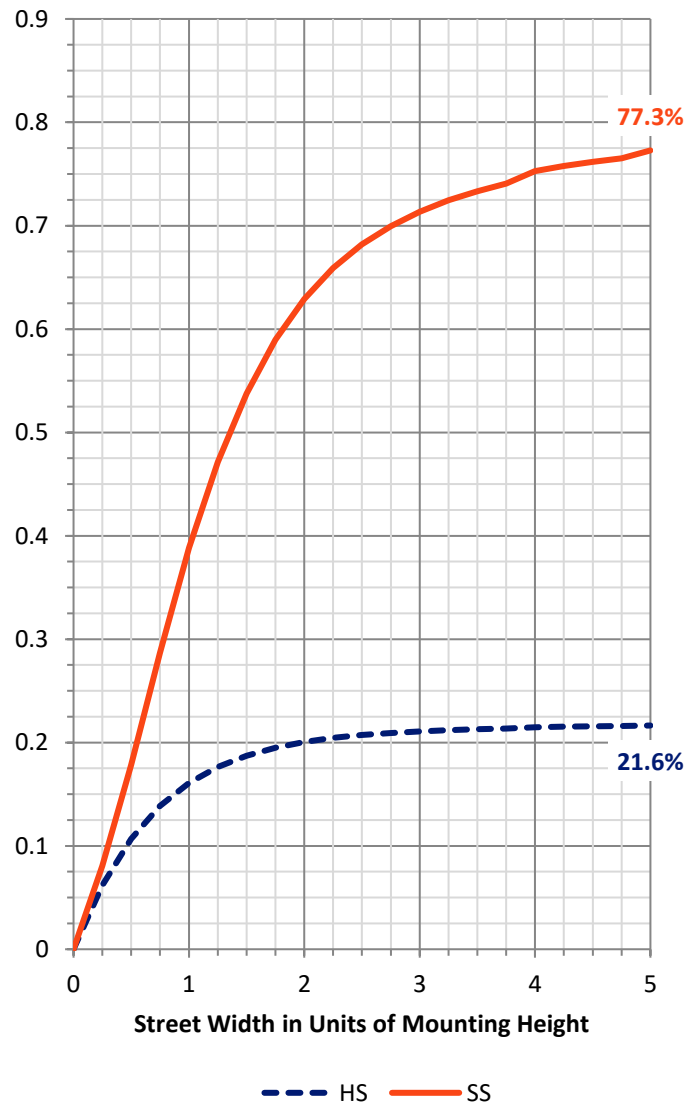
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	563.0	0.0	563.0
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	2030.0	0.0	2030.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	2593.0	0.0	2593.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.5	0.5
10°-20°	43.3	1.7
20°-30°	96.0	3.7
30°-40°	212.9	8.2
40°-50°	377.6	14.6
50°-60°	551.8	21.3
60°-70°	667.7	25.8
70°-80°	514.5	19.8
80°-90°	116.5	4.5
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°	2593.0	100.0
0°-180°	2593.0	100.0



REPORT NUMBER: P553698

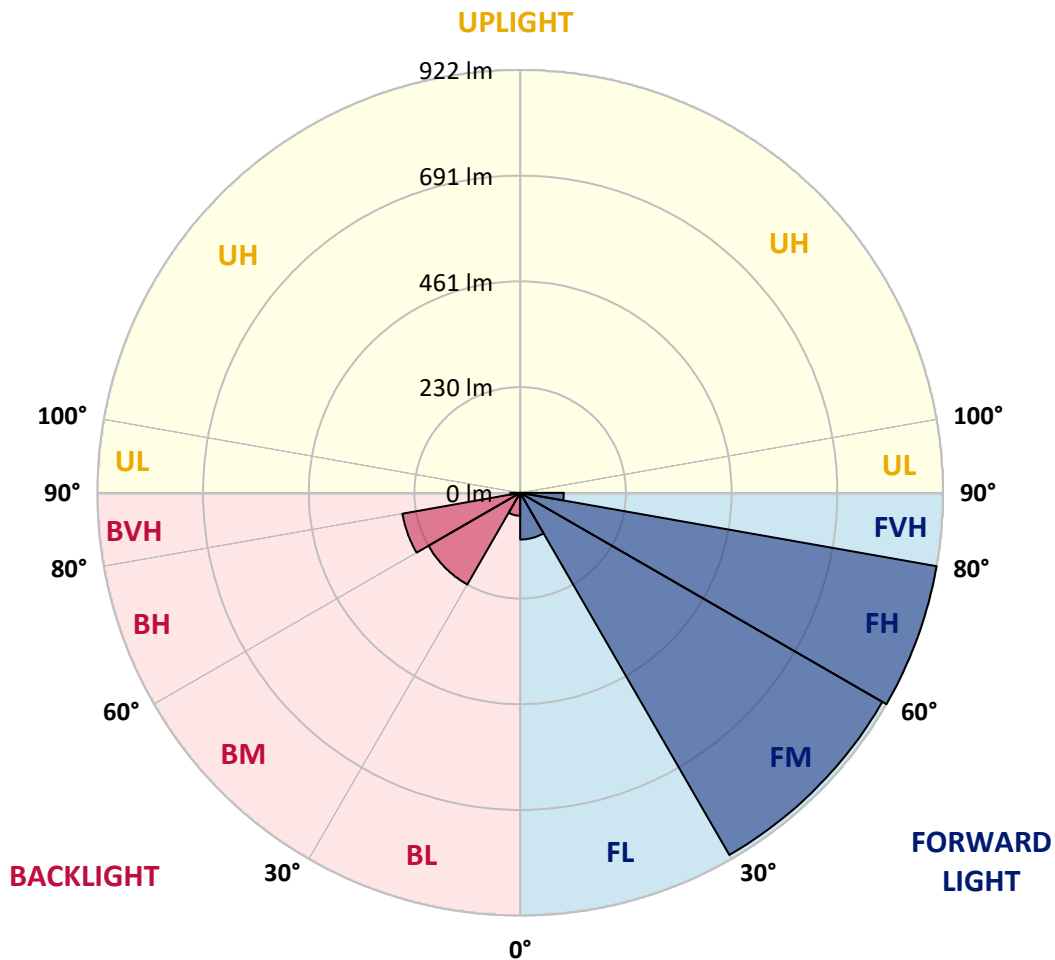
CATALOG NUMBER: LXS-VA1-740-U-AST-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	101.8	3.9			
FM	(30°-60°)	911.5	35.2			
FH	(60°-80°)	921.6	35.5			G1/1800
FVH	(80°-90°)	95.0	3.7			G1/100
BL	(0°-30°)	50.0	1.9	B0/110		
BM	(30°-60°)	230.9	8.9	B1/1000		
BH	(60°-80°)	260.6	10.1	B1/500		G1/500
BVH	(80°-90°)	21.5	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





REPORT NUMBER: P553698

CATALOG NUMBER: LXS-VA1-740-U-AST-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0
2.5°	136.0	136.0	135.0	135.0	134.0	132.0	131.0	128.0	128.0	126.0	124.0
5°	147.0	147.0	147.0	146.0	145.0	143.0	141.0	137.0	137.0	133.0	130.0
7.5°	157.0	157.0	156.0	156.0	154.0	153.0	151.0	146.0	146.0	141.0	135.0
10°	171.0	170.0	169.0	168.0	166.0	163.0	161.0	156.0	155.0	149.0	142.0
12.5°	184.0	184.0	184.0	183.0	181.0	177.0	172.0	166.0	166.0	158.0	149.0
15°	199.0	198.0	198.0	197.0	196.0	193.0	186.0	179.0	178.0	170.0	158.0
17.5°	222.0	221.0	219.0	215.0	212.0	210.0	204.0	192.0	192.0	183.0	170.0
20°	250.0	249.0	246.0	242.0	235.0	229.0	224.0	210.0	208.0	198.0	182.0
22.5°	286.0	284.0	280.0	275.0	269.0	256.0	247.0	233.0	229.0	215.0	197.0
25°	336.0	334.0	326.0	311.0	301.0	293.0	275.0	261.0	257.0	236.0	215.0
27.5°	379.0	378.0	374.0	365.0	344.0	333.0	312.0	295.0	291.0	263.0	236.0
30°	444.0	441.0	431.0	420.0	410.0	386.0	366.0	336.0	332.0	298.0	263.0
32.5°	560.0	554.0	536.0	503.0	487.0	459.0	437.0	392.0	385.0	345.0	297.0
35°	702.1	695.1	662.0	614.0	568.0	548.0	510.0	466.0	454.0	404.0	338.0
37.5°	770.1	766.1	743.1	700.1	656.0	626.0	593.0	552.0	538.0	474.0	386.0
40°	814.1	813.1	794.1	760.1	731.1	697.1	679.1	641.0	627.0	552.0	446.0
42.5°	843.1	842.1	831.1	801.1	789.1	766.1	756.1	722.1	711.1	633.0	511.0
45°	851.1	848.1	843.1	841.1	826.1	830.1	830.1	794.1	787.1	713.1	583.0
47.5°	879.1	876.1	855.1	850.1	859.1	886.1	895.1	870.1	865.1	787.1	649.0
50°	877.1	877.1	878.1	857.1	893.1	922.1	945.1	939.1	935.1	855.1	719.1
52.5°	892.1	889.1	875.1	886.1	903.1	952.1	992.1	994.1	995.1	920.1	783.1
55°	994.1	994.1	963.1	936.1	961.1	1023.1	1070.1	1060.1	1058.1	987.1	845.1
57.5°	1038.1	1034.1	1011.1	982.1	1021.1	1098.1	1157.1	1144.1	1138.1	1057.1	904.1
60°	1021.1	1015.1	1003.1	990.1	1040.1	1132.1	1219.1	1224.1	1219.1	1121.1	961.1
62.5°	1007.1	1002.1	973.1	973.1	1023.1	1137.1	1246.1	1277.1	1272.1	1173.1	1009.1
64°	981.1	976.1	953.1	946.1	1002.1	1126.1	1248.1	1289.1	1287.1	1196.1	1030.1
65°	947.1	946.1	933.1	924.1	986.1	1114.1	1242.1	1288.1	1288.1	1205.1	1037.1
67.5°	858.1	853.1	868.1	866.1	938.1	1073.1	1206.1	1266.1	1265.1	1201.1	1035.1
70°	773.1	769.1	782.1	796.1	873.1	1004.1	1142.1	1205.1	1204.1	1155.1	1001.1
72.5°	688.1	693.1	696.1	712.1	782.1	911.1	1045.1	1110.1	1108.1	1068.1	933.1
75°	607.0	601.0	604.0	611.0	678.1	797.1	920.1	979.1	978.1	944.1	826.1
77.5°	504.0	501.0	502.0	501.0	565.0	665.1	766.1	817.1	816.1	784.1	680.1
80°	394.0	387.0	388.0	383.0	437.0	514.0	589.0	625.0	619.0	594.0	506.0
82.5°	273.0	265.0	263.0	257.0	300.0	349.0	390.0	404.0	397.0	374.0	309.0
85°	118.0	107.0	122.0	122.0	135.0	147.0	156.0	153.0	149.0	139.0	104.0
87.5°	0.0	0.0	0.0	0.0	1.0	0.0	1.0	1.0	1.0	1.0	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



REPORT NUMBER: P553698
 CATALOG NUMBER: LXS-VA1-740-U-AST-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0
2.5°	124.0	123.0	121.0	120.0	119.0	118.0	117.0	116.0	116.0	116.0	115.0
5°	128.0	126.0	123.0	120.0	118.0	115.0	113.0	111.0	110.0	109.0	109.0
7.5°	132.0	130.0	125.0	121.0	116.0	112.0	108.0	106.0	104.0	103.0	103.0
10°	138.0	135.0	128.0	122.0	115.0	110.0	105.0	102.0	100.0	100.0	99.0
12.5°	144.0	140.0	133.0	124.0	115.0	109.0	104.0	100.0	97.0	96.0	96.0
15°	153.0	148.0	138.0	127.0	117.0	109.0	102.0	96.0	93.0	91.0	91.0
17.5°	162.0	156.0	144.0	131.0	120.0	109.0	100.0	94.0	90.0	88.0	88.0
20°	173.0	166.0	151.0	136.0	123.0	109.0	99.0	92.0	87.0	85.0	85.0
22.5°	186.0	177.0	159.0	141.0	125.0	110.0	99.0	90.0	84.0	81.0	81.0
25°	201.0	190.0	168.0	148.0	128.0	112.0	98.0	87.0	81.0	78.0	78.0
27.5°	219.0	207.0	178.0	155.0	132.0	114.0	97.0	86.0	79.0	75.0	75.0
30°	240.0	225.0	191.0	163.0	137.0	115.0	98.0	85.0	77.0	73.0	72.0
32.5°	268.0	248.0	206.0	172.0	143.0	117.0	98.0	83.0	75.0	71.0	71.0
35°	302.0	276.0	224.0	182.0	148.0	120.0	98.0	83.0	73.0	69.0	68.0
37.5°	344.0	309.0	246.0	194.0	155.0	123.0	98.0	82.0	71.0	67.0	66.0
40°	394.0	349.0	270.0	208.0	162.0	126.0	100.0	81.0	71.0	66.0	66.0
42.5°	450.0	397.0	300.0	226.0	172.0	131.0	101.0	81.0	70.0	64.0	64.0
45°	511.0	450.0	335.0	248.0	184.0	136.0	102.0	82.0	68.0	63.0	62.0
47.5°	578.0	506.0	374.0	270.0	195.0	142.0	104.0	81.0	67.0	62.0	61.0
50°	640.0	565.0	417.0	295.0	208.0	147.0	106.0	80.0	66.0	61.0	60.0
52.5°	700.1	622.0	461.0	322.0	222.0	154.0	108.0	80.0	65.0	59.0	58.0
55°	757.1	675.1	504.0	350.0	238.0	161.0	110.0	80.0	64.0	58.0	57.0
57.5°	809.1	725.1	544.0	379.0	255.0	168.0	111.0	79.0	63.0	56.0	55.0
60°	863.1	774.1	580.0	406.0	271.0	174.0	112.0	78.0	60.0	54.0	53.0
62.5°	909.1	815.1	611.0	428.0	280.0	176.0	111.0	75.0	57.0	50.0	49.0
64°	930.1	831.1	626.0	437.0	284.0	176.0	110.0	73.0	54.0	48.0	47.0
65°	938.1	839.1	632.0	441.0	286.0	176.0	108.0	72.0	52.0	47.0	46.0
67.5°	941.1	842.1	636.0	443.0	284.0	172.0	103.0	67.0	44.0	42.0	41.0
70°	913.1	817.1	617.0	429.0	272.0	162.0	96.0	60.0	37.0	35.0	36.0
72.5°	850.1	761.1	576.0	397.0	250.0	147.0	85.0	52.0	31.0	30.0	31.0
75°	748.1	668.1	505.0	346.0	217.0	127.0	72.0	41.0	24.0	25.0	26.0
77.5°	620.0	551.0	409.0	278.0	172.0	99.0	55.0	28.0	18.0	20.0	20.0
80°	454.0	400.0	293.0	194.0	119.0	66.0	34.0	17.0	12.0	14.0	14.0
82.5°	271.0	233.0	166.0	108.0	64.0	32.0	15.0	7.0	6.0	8.0	8.0
85°	96.0	79.0	51.0	30.0	16.0	7.0	3.0	1.0	1.0	0.0	0.0
87.5°	1.0	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)