

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: P553702

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553702
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-23-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-ASW-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 4000K LEDS AND TYPE III OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2391 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

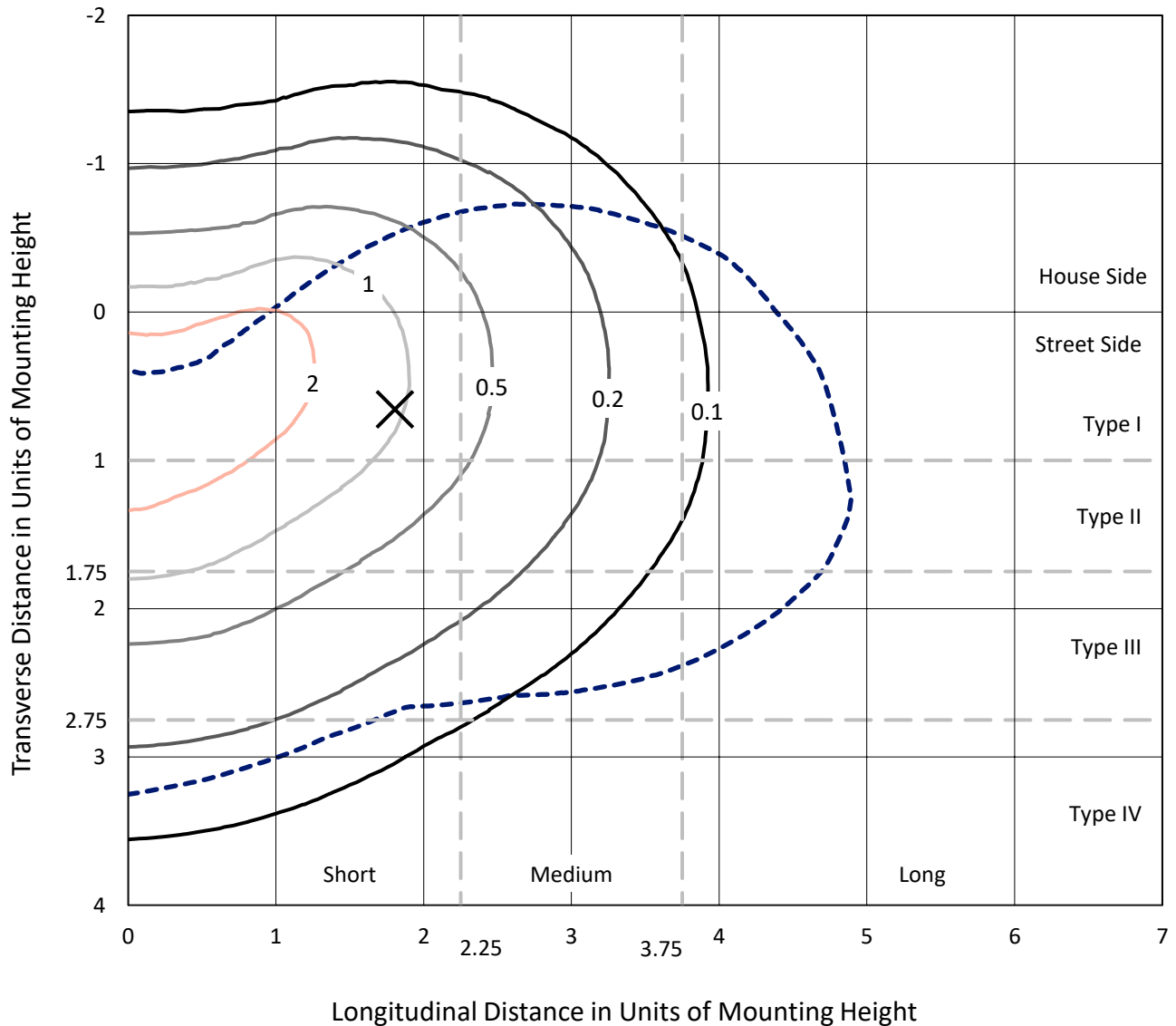
Input Watts (W): 24
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P553702
 CATALOG NUMBER: LXS-VA1-740-U-ASW-C

Iso-Footcandle Lines of Horizontal Illumination

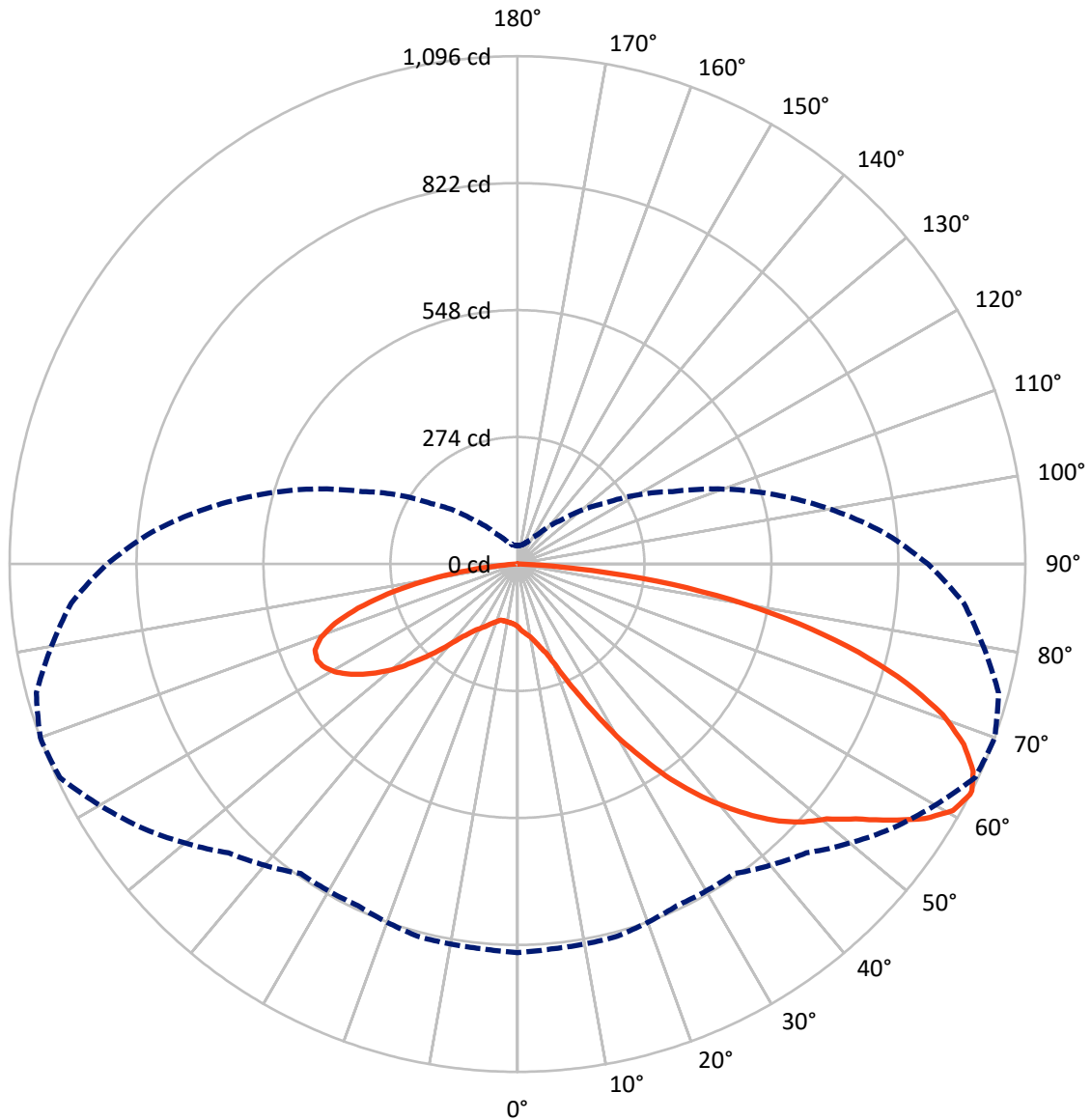
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P553702
CATALOG NUMBER: LXS-VA1-740-U-ASW-C

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P553702

CATALOG NUMBER: LXS-VA1-740-U-ASW-C

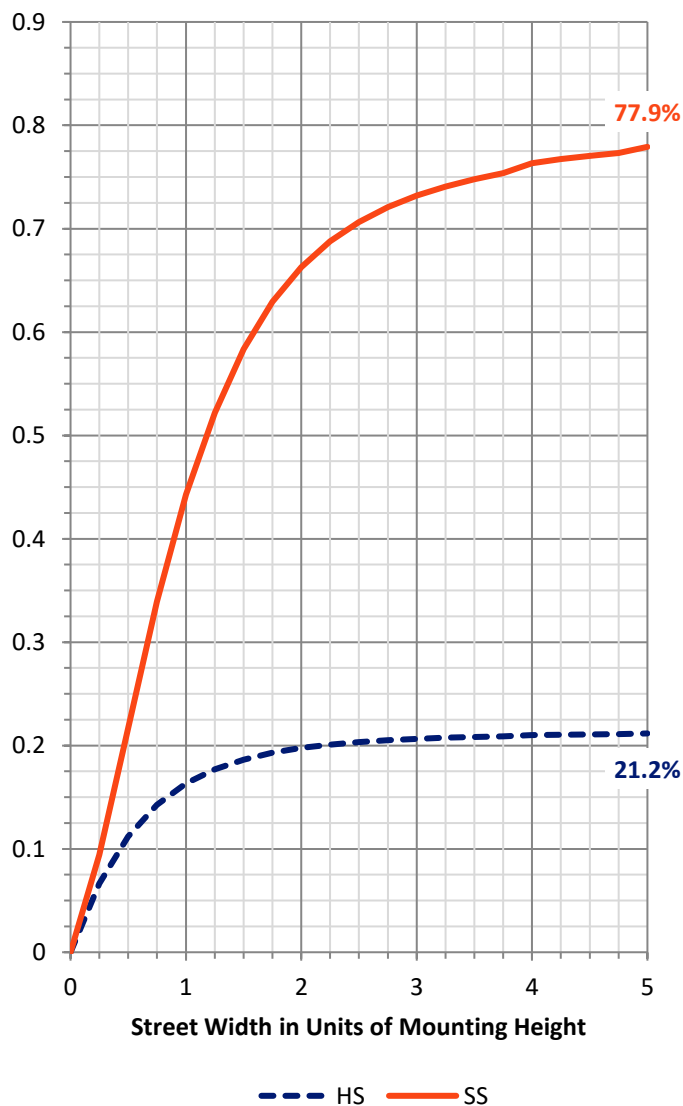
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	508.8	0.0	508.8
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	1882.2	0.0	1882.2
	% Fixture	78.7	0.0	78.7
Total	Lumens	2391.0	0.0	2391.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.6
10°-20°	52.7	2.2
20°-30°	131.7	5.5
30°-40°	251.0	10.5
40°-50°	377.7	15.8
50°-60°	512.2	21.4
60°-70°	558.8	23.4
70°-80°	401.0	16.8
80°-90°	92.1	3.9
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°	2391.0	100.0
0°-180°	2391.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553702

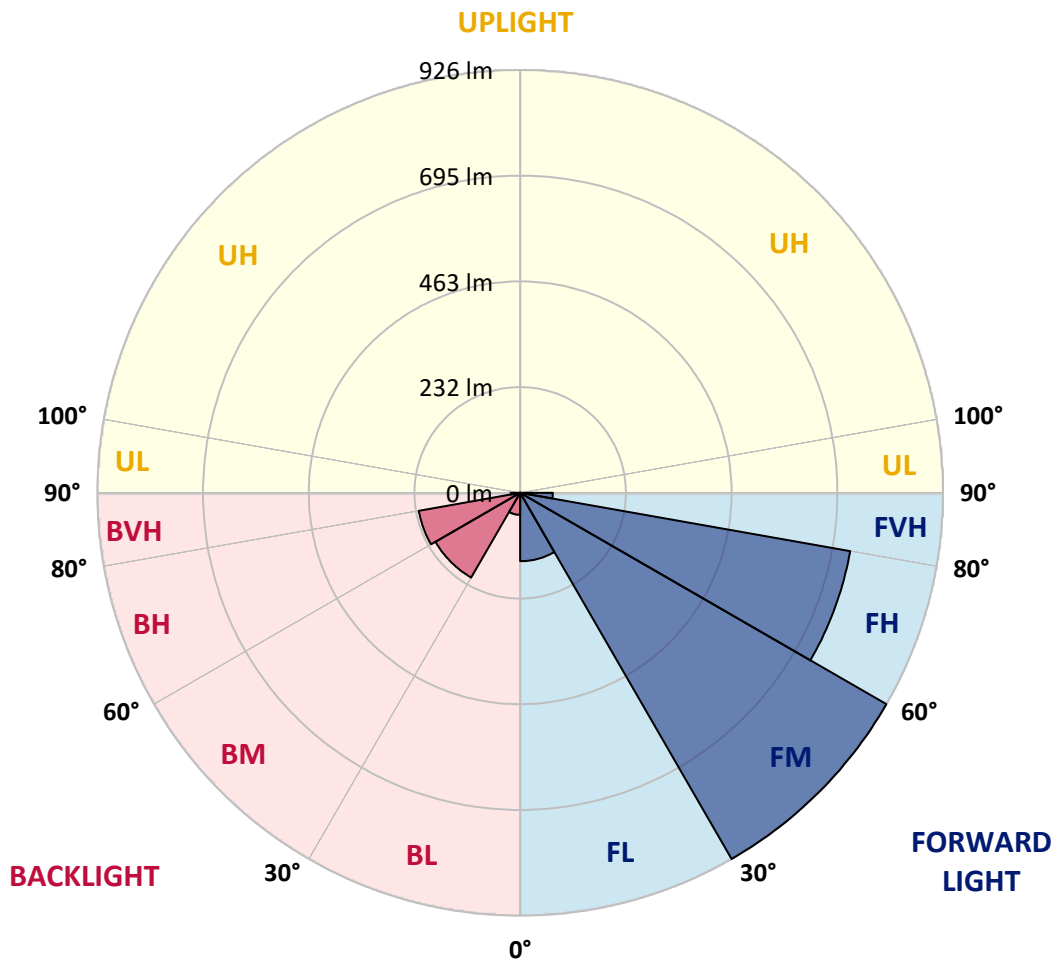
CATALOG NUMBER: LXS-VA1-740-U-ASW-C

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	149.9	6.3			
FM	(30°-60°)	926.4	38.7			
FH	(60°-80°)	734.3	30.7			G1/1800
FVH	(80°-90°)	71.7	3.0			G1/100
BL	(0°-30°)	48.3	2.0	B0/110		
BM	(30°-60°)	214.5	9.0	B0/220		
BH	(60°-80°)	225.5	9.4	B1/500		G1/500
BVH	(80°-90°)	20.5	0.9			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: P553702
 CATALOG NUMBER: LXS-VA1-740-U-ASW-C

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.2
2.5°	153.2	153.2	152.2	151.2	150.2	149.2	146.2	143.2	142.2	141.2	138.2
5°	173.2	173.2	171.2	169.2	165.2	162.2	156.2	151.2	148.2	146.2	140.2
7.5°	197.2	196.2	193.2	188.2	181.2	174.2	166.2	158.2	154.2	150.2	143.2
10°	224.3	222.3	216.2	208.2	198.2	188.2	176.2	166.2	161.2	156.2	146.2
12.5°	264.3	261.3	248.3	236.3	220.3	205.2	192.2	179.2	172.2	165.2	151.2
15°	327.4	321.4	300.3	280.3	254.3	236.3	213.2	196.2	187.2	176.2	158.2
17.5°	455.5	448.5	407.5	358.4	312.4	282.3	242.3	214.2	202.2	188.2	164.2
20°	523.6	520.6	501.6	467.5	402.5	348.4	296.3	248.3	231.3	213.2	179.2
22.5°	550.6	548.6	535.6	521.6	489.6	423.5	357.4	296.3	272.3	246.3	200.2
25°	592.7	591.7	575.7	552.6	535.6	496.6	418.5	352.4	318.4	287.3	226.3
27.5°	621.7	623.7	618.7	602.7	567.6	547.6	481.6	413.5	376.4	336.4	258.3
30°	684.8	680.8	667.8	651.7	623.7	587.7	550.6	477.5	441.5	393.5	305.3
32.5°	799.9	789.9	746.9	704.8	671.8	629.7	607.7	537.6	503.6	454.5	356.4
35°	850.0	850.0	827.9	770.9	716.8	683.8	651.7	599.7	570.7	520.6	415.5
37.5°	871.0	871.0	854.0	822.9	765.9	727.8	693.8	659.8	630.7	587.7	476.5
40°	897.0	892.0	867.0	838.0	802.9	763.9	742.8	714.8	687.8	652.7	536.6
42.5°	878.0	881.0	868.0	839.0	820.9	794.9	784.9	763.9	741.8	711.8	595.7
45°	802.9	807.9	828.9	834.0	813.9	815.9	820.9	807.9	791.9	766.9	654.7
47.5°	807.9	807.9	816.9	818.9	821.9	834.0	851.0	850.0	832.0	815.9	705.8
50°	870.0	864.0	848.0	845.0	847.0	852.0	879.0	885.0	865.0	856.0	758.9
52.5°	908.0	900.0	864.0	854.0	861.0	881.0	922.1	928.1	914.0	892.0	806.9
55°	976.1	971.1	924.1	870.0	877.0	913.0	972.1	985.1	976.1	937.1	857.0
57.5°	946.1	941.1	931.1	878.0	885.0	925.1	1007.2	1043.2	1037.2	997.1	902.0
60°	888.0	885.0	885.0	857.0	863.0	913.0	1014.2	1083.2	1080.2	1048.2	942.1
62.5°	839.0	834.0	832.0	813.9	815.9	882.0	992.1	1090.2	1096.3	1075.2	967.1
63°	826.9	821.9	821.9	802.9	805.9	874.0	985.1	1088.2	1096.3	1077.2	969.1
65°	764.9	762.9	772.9	756.9	764.9	836.0	950.1	1067.2	1081.2	1072.2	971.1
67.5°	686.8	683.8	701.8	691.8	706.8	777.9	892.0	1016.2	1039.2	1035.2	949.1
70°	623.7	618.7	622.7	624.7	637.7	707.8	819.9	938.1	974.1	976.1	896.0
72.5°	558.6	552.6	545.6	544.6	558.6	625.7	731.8	838.0	879.0	884.0	815.9
75°	480.5	474.5	466.5	462.5	474.5	534.6	630.7	721.8	760.9	766.9	707.8
77.5°	397.5	394.5	383.4	377.4	386.4	436.5	518.6	591.7	622.7	629.7	576.7
80°	310.4	306.4	293.3	284.3	293.3	333.4	394.5	448.5	468.5	474.5	426.5
82.5°	212.2	213.2	196.2	189.2	195.2	223.3	262.3	294.3	304.3	304.3	274.3
85°	96.1	100.1	92.1	90.1	92.1	101.1	119.1	125.1	125.1	127.1	113.1
87.5°	4.0	4.0	4.0	4.0	3.0	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



REPORT NUMBER: P553702
 CATALOG NUMBER: LXS-VA1-740-U-ASW-C

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.2
2.5°	136.2	135.2	132.2	130.1	128.1	127.1	125.1	124.1	124.1	123.1	124.1
5°	137.2	135.2	131.2	127.1	123.1	121.1	118.1	116.1	115.1	115.1	115.1
7.5°	139.2	136.2	130.1	125.1	120.1	116.1	113.1	111.1	109.1	108.1	108.1
10°	142.2	138.2	130.1	123.1	117.1	113.1	109.1	106.1	104.1	103.1	103.1
12.5°	145.2	140.2	130.1	122.1	116.1	110.1	106.1	102.1	100.1	98.1	98.1
15°	150.2	143.2	131.2	121.1	114.1	107.1	102.1	98.1	95.1	94.1	94.1
17.5°	155.2	147.2	132.2	121.1	113.1	105.1	99.1	94.1	91.1	90.1	90.1
20°	167.2	157.2	138.2	124.1	113.1	104.1	97.1	91.1	87.1	85.1	85.1
22.5°	182.2	169.2	145.2	128.1	114.1	103.1	95.1	88.1	84.1	81.1	81.1
25°	203.2	184.2	153.2	132.2	115.1	103.1	93.1	85.1	80.1	77.1	77.1
27.5°	225.3	202.2	164.2	137.2	118.1	103.1	91.1	82.1	76.1	73.1	73.1
30°	259.3	224.3	174.2	143.2	121.1	102.1	89.1	79.1	72.1	68.1	68.1
32.5°	302.3	259.3	185.2	150.2	123.1	103.1	87.1	75.1	68.1	64.1	64.1
35°	348.4	297.3	205.2	155.2	126.1	102.1	84.1	72.1	64.1	61.1	60.1
37.5°	406.5	343.4	230.3	162.2	129.1	102.1	83.1	69.1	62.1	58.1	58.1
40°	461.5	395.5	263.3	176.2	131.2	103.1	82.1	68.1	61.1	57.1	56.1
42.5°	518.6	444.5	302.3	195.2	135.2	106.1	82.1	67.1	59.1	55.1	55.1
45°	575.7	494.6	340.4	219.3	145.2	108.1	82.1	66.1	57.1	54.1	53.1
47.5°	628.7	548.6	380.4	245.3	157.2	109.1	82.1	64.1	55.1	52.1	51.1
50°	679.8	598.7	422.5	275.3	169.2	109.1	82.1	63.1	54.1	50.1	50.1
52.5°	728.8	648.7	460.5	300.3	183.2	116.1	81.1	62.1	52.1	49.1	48.1
55°	772.9	689.8	496.6	323.4	197.2	122.1	81.1	60.1	50.1	47.1	46.1
57.5°	816.9	726.8	528.6	343.4	211.2	128.1	80.1	59.1	48.1	45.1	45.1
60°	858.0	763.9	556.6	359.4	221.3	132.2	78.1	56.1	46.1	43.0	42.0
62.5°	886.0	791.9	576.7	369.4	227.3	134.2	78.1	53.1	43.0	40.0	40.0
63°	890.0	796.9	579.7	370.4	228.3	135.2	78.1	53.1	43.0	40.0	39.0
65°	893.0	805.9	586.7	372.4	229.3	135.2	76.1	50.1	40.0	37.0	37.0
67.5°	876.0	796.9	580.7	368.4	224.3	131.2	73.1	45.1	36.0	33.0	33.0
70°	832.0	758.9	553.6	352.4	213.2	123.1	68.1	40.0	32.0	29.0	29.0
72.5°	755.9	692.8	505.6	322.4	194.2	112.1	61.1	35.0	28.0	26.0	25.0
75°	653.7	599.7	435.5	279.3	167.2	96.1	53.1	30.0	23.0	21.0	21.0
77.5°	528.6	490.6	350.4	224.3	135.2	78.1	43.0	25.0	18.0	17.0	17.0
80°	388.4	358.4	252.3	163.2	97.1	57.1	32.0	19.0	12.0	12.0	12.0
82.5°	237.3	220.3	152.2	98.1	57.1	34.0	20.0	12.0	8.0	7.0	7.0
85°	93.1	90.1	59.1	33.0	17.0	11.0	8.0	5.0	4.0	3.0	2.0
87.5°	1.0	1.0	2.0	1.0	1.0	1.0	1.0	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)