

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: P553703

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553703
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-16-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-S
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 4000K LEDS AND TYPE III OPTIC, SPIDER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2265 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

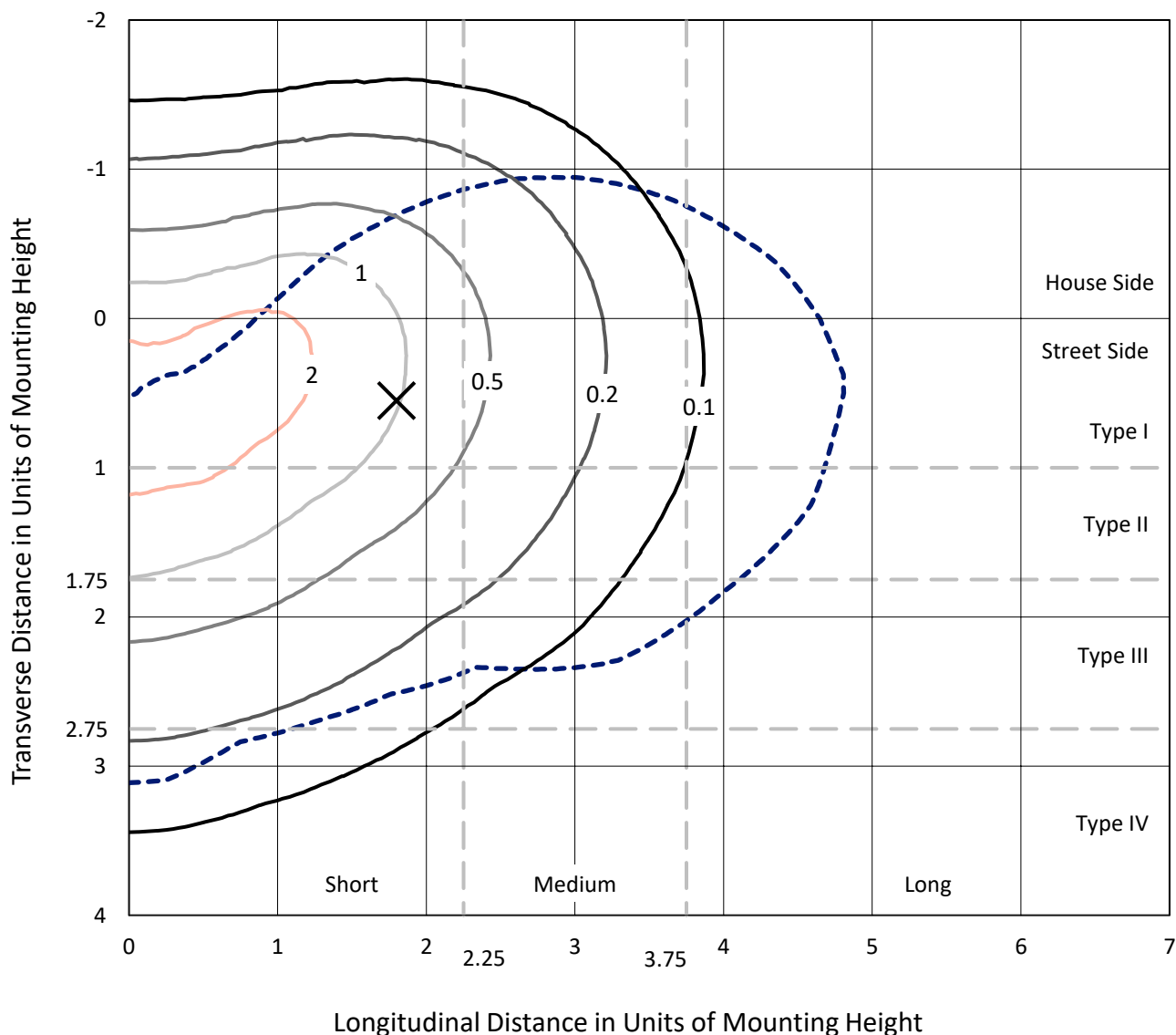
Input Watts (W): 24
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P553703
 CATALOG NUMBER: LXS-VA1-740-U-ASW-S

Iso-Footcandle Lines of Horizontal Illumination

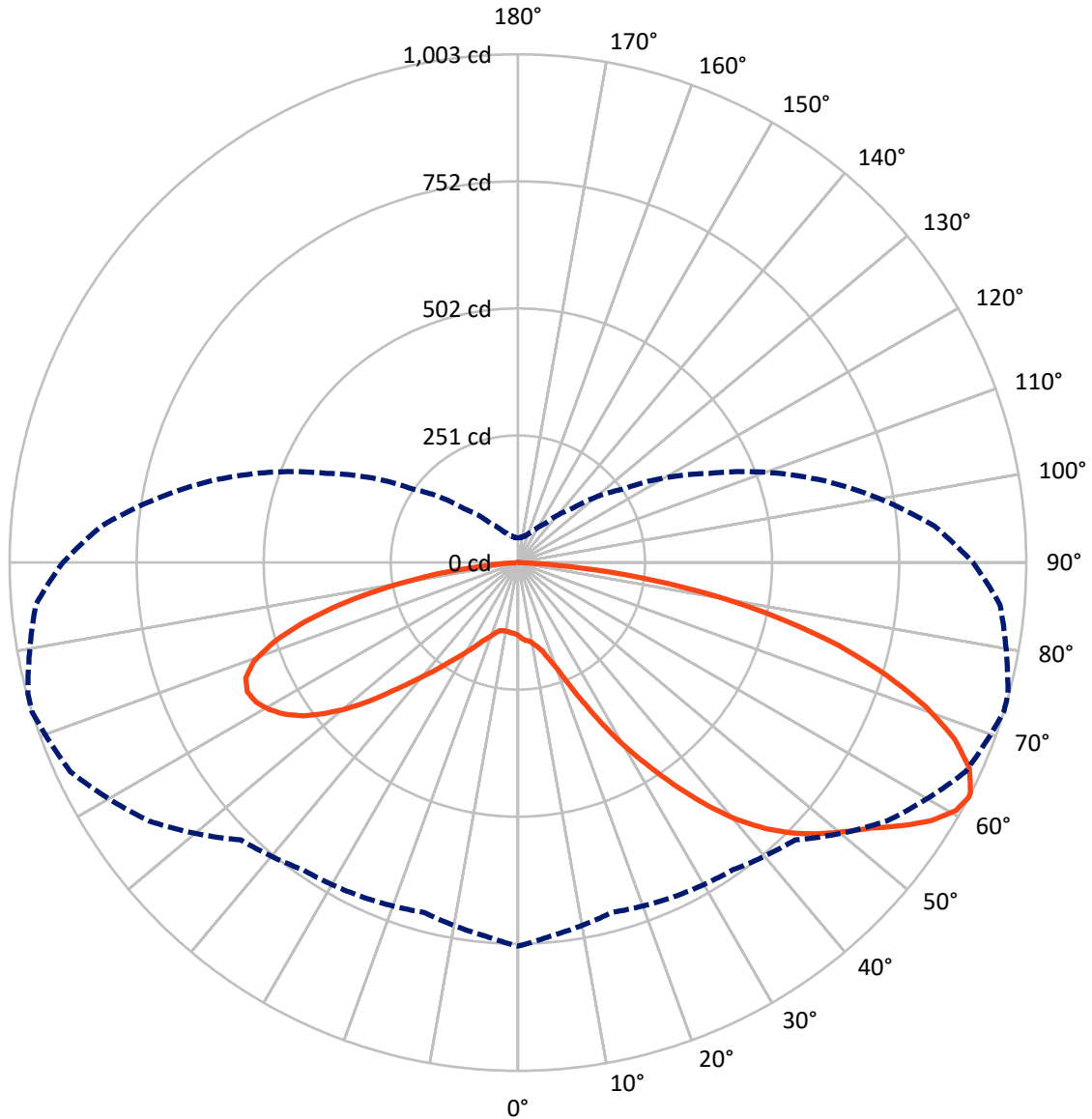
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Short - N/A

REPORT NUMBER: P553703
CATALOG NUMBER: LXS-VA1-740-U-ASW-S

Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 62-Deg Vertical

REPORT NUMBER: P553703

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

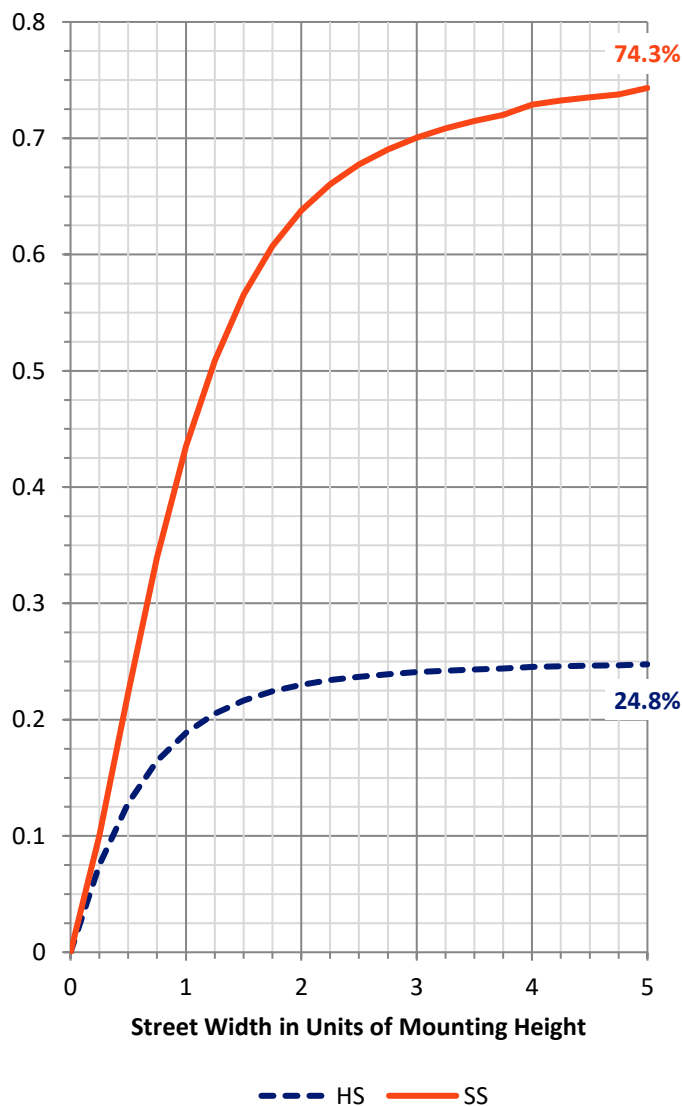
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	565.0	0.0	565.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	1700.0	0.0	1700.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	2265.0	0.0	2265.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.4	0.6
10°-20°	52.4	2.3
20°-30°	128.6	5.7
30°-40°	241.0	10.6
40°-50°	361.9	16.0
50°-60°	488.6	21.6
60°-70°	523.7	23.1
70°-80°	369.0	16.3
80°-90°	85.4	3.8
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°	2265.0	100.0
0°-180°	2265.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553703

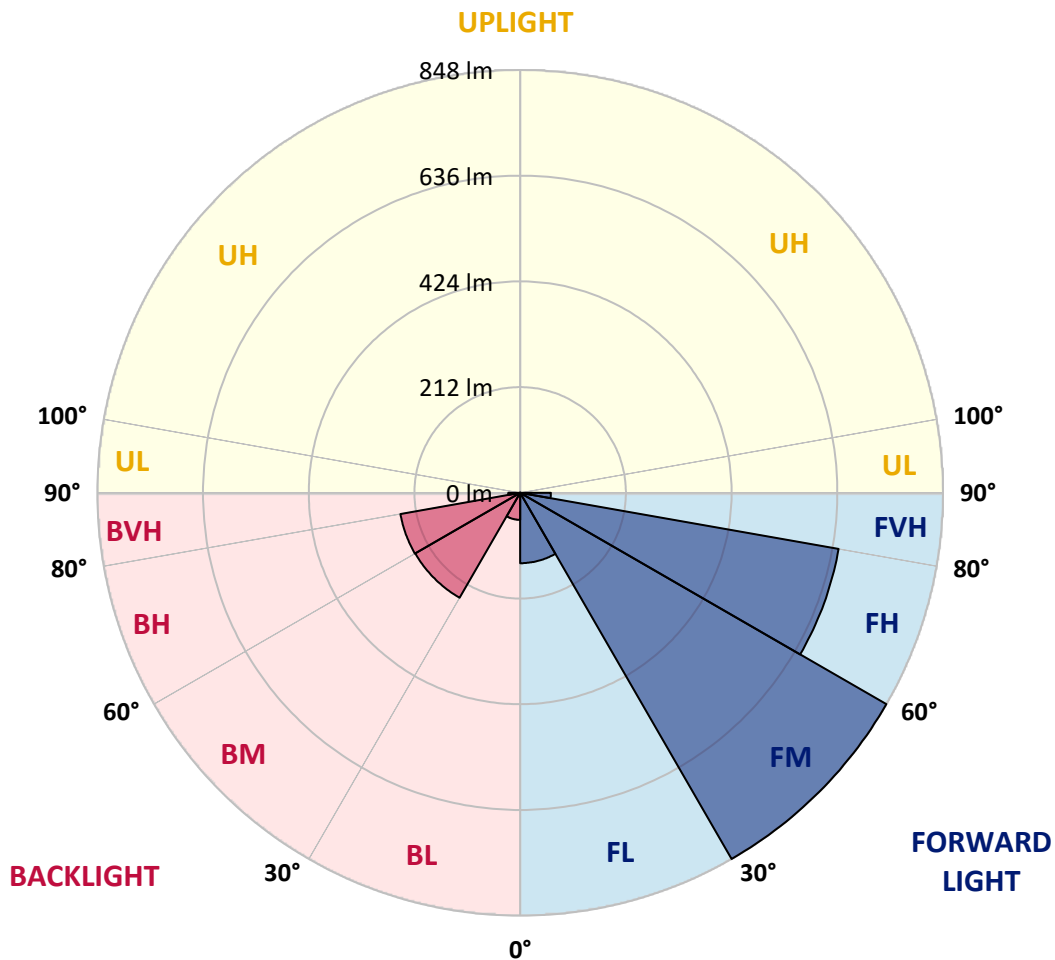
CATALOG NUMBER: LXS-VA1-740-U-ASW-S

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	141.2	6.2			
FM	(30°-60°)	848.4	37.5			
FH	(60°-80°)	648.7	28.6			G0/660
FVH	(80°-90°)	61.7	2.7			G1/100
BL	(0°-30°)	54.3	2.4	B0/110		
BM	(30°-60°)	243.1	10.7	B1/1000		
BH	(60°-80°)	243.9	10.8	B1/500		G1/500
BVH	(80°-90°)	23.7	1.0			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





REPORT NUMBER: P553703

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	144.2	144.2	144.2	144.2	144.2	144.2	144.2	144.2	144.2	144.2	144.2
2.5°	163.2	162.2	162.2	161.2	159.2	157.2	155.2	152.2	150.2	149.2	146.2
5°	178.2	177.2	176.2	173.2	170.2	166.2	162.2	158.2	154.2	153.2	148.2
7.5°	195.3	194.3	192.3	185.2	178.2	172.2	166.2	161.2	156.2	155.2	149.2
10°	217.3	216.3	211.3	201.3	190.3	181.2	173.2	167.2	162.2	160.2	152.2
12.5°	237.3	236.3	228.3	216.3	206.3	196.3	185.2	177.2	170.2	168.2	157.2
15°	287.4	285.4	277.4	249.3	234.3	221.3	207.3	192.3	181.2	178.2	163.2
17.5°	388.5	386.5	380.5	334.4	295.4	264.4	241.3	219.3	201.3	198.3	178.2
20°	426.6	429.6	440.6	428.6	385.5	319.4	282.4	253.3	225.3	220.3	195.3
22.5°	450.6	455.6	477.6	479.6	459.6	393.5	330.4	296.4	264.4	255.3	219.3
25°	467.6	475.6	513.7	525.7	506.7	461.6	400.5	355.5	312.4	302.4	251.3
27.5°	485.7	493.7	536.7	554.7	542.7	508.7	481.6	419.6	368.5	353.5	290.4
30°	532.7	535.7	581.8	583.8	571.8	557.7	549.7	480.6	425.6	409.5	332.4
32.5°	609.8	604.8	641.9	628.8	603.8	602.8	600.8	545.7	483.6	467.6	379.5
35°	665.9	666.9	699.9	670.9	645.9	638.9	644.9	607.8	545.7	526.7	434.6
37.5°	693.9	696.9	726.0	710.0	682.9	671.9	685.9	662.9	608.8	588.8	490.7
40°	718.0	721.0	735.0	732.0	714.0	696.9	720.0	711.0	667.9	650.9	549.7
42.5°	726.0	727.0	722.0	742.0	726.0	716.0	746.0	752.0	718.0	705.9	609.8
45°	708.0	715.0	709.0	732.0	733.0	730.0	768.0	786.1	762.0	750.0	667.9
47.5°	693.9	696.9	703.9	740.0	740.0	734.0	785.1	812.1	800.1	791.1	718.0
50°	754.0	745.0	721.0	770.0	759.0	755.0	809.1	840.1	835.1	827.1	763.0
52.5°	794.1	779.0	733.0	777.0	783.1	786.1	846.1	877.2	871.2	863.2	806.1
55°	864.2	841.1	781.0	793.1	798.1	808.1	885.2	922.2	917.2	907.2	851.1
57.5°	850.1	826.1	781.0	796.1	797.1	812.1	909.2	961.3	961.3	953.3	899.2
60°	807.1	783.1	750.0	766.0	772.0	798.1	907.2	981.3	993.3	987.3	940.3
62°	757.0	740.0	715.0	728.0	740.0	774.0	889.2	975.3	1003.3	1001.3	955.3
62.5°	745.0	729.0	704.9	718.0	730.0	767.0	883.2	971.3	1002.3	1002.3	956.3
65°	684.9	675.9	649.9	666.9	677.9	717.0	840.1	937.3	979.3	986.3	952.3
67.5°	608.8	612.8	591.8	606.8	617.8	655.9	780.0	879.2	929.2	941.3	922.2
70°	552.7	549.7	530.7	540.7	554.7	591.8	710.0	803.1	855.1	869.2	861.2
72.5°	492.7	491.7	464.6	469.6	485.7	521.7	628.8	709.0	760.0	776.0	782.0
75°	429.6	423.6	396.5	396.5	409.5	440.6	539.7	601.8	653.9	662.9	675.9
77.5°	360.5	355.5	325.4	329.4	334.4	361.5	438.6	483.6	526.7	535.7	545.7
80°	284.4	281.4	252.3	251.3	254.3	273.4	338.5	358.5	390.5	396.5	408.5
82.5°	199.3	195.3	173.2	169.2	169.2	181.2	223.3	232.3	243.3	247.3	252.3
85°	96.1	94.1	84.1	84.1	80.1	85.1	99.1	99.1	101.1	96.1	104.1
87.5°	3.0	3.0	3.0	3.0	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



REPORT NUMBER: P553703
 CATALOG NUMBER: LXS-VA1-740-U-ASW-S

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	144.2	144.2	144.2	144.2	144.2	144.2	144.2	144.2	144.2	144.2	144.2
2.5°	145.2	143.2	141.2	139.2	138.2	137.2	136.2	135.2	135.2	134.2	134.2
5°	145.2	143.2	140.2	137.2	134.2	132.2	131.2	129.2	128.2	127.2	128.2
7.5°	146.2	143.2	139.2	135.2	131.2	128.2	125.2	123.2	122.2	121.2	121.2
10°	148.2	144.2	138.2	133.2	129.2	124.2	121.2	118.2	117.2	116.2	116.2
12.5°	151.2	146.2	139.2	132.2	126.2	122.2	118.2	115.2	113.2	111.1	111.1
15°	156.2	149.2	140.2	132.2	125.2	120.2	115.2	111.1	107.1	106.1	106.1
17.5°	168.2	159.2	146.2	134.2	126.2	119.2	112.2	106.1	103.1	101.1	101.1
20°	183.2	172.2	155.2	138.2	127.2	117.2	110.1	103.1	99.1	97.1	97.1
22.5°	200.3	188.3	165.2	143.2	129.2	117.2	108.1	100.1	94.1	91.1	91.1
25°	226.3	207.3	176.2	150.2	132.2	117.2	106.1	97.1	90.1	87.1	87.1
27.5°	259.3	232.3	192.3	160.2	135.2	117.2	104.1	94.1	87.1	84.1	83.1
30°	294.4	261.4	208.3	170.2	139.2	117.2	102.1	90.1	82.1	79.1	79.1
32.5°	335.5	295.4	228.3	180.2	144.2	118.2	100.1	86.1	78.1	75.1	75.1
35°	379.5	334.4	249.3	190.3	149.2	118.2	97.1	83.1	75.1	71.1	71.1
37.5°	432.6	375.5	277.4	203.3	154.2	118.2	96.1	82.1	73.1	69.1	68.1
40°	489.7	424.6	306.4	217.3	160.2	121.2	96.1	81.1	72.1	68.1	67.1
42.5°	545.7	479.6	341.5	234.3	170.2	125.2	97.1	81.1	71.1	66.1	65.1
45°	600.8	534.7	381.5	259.3	181.2	128.2	97.1	80.1	69.1	64.1	63.1
47.5°	654.9	589.8	428.6	287.4	191.3	132.2	97.1	79.1	67.1	62.1	62.1
50°	705.9	642.9	475.6	313.4	201.3	136.2	98.1	77.1	65.1	60.1	60.1
52.5°	753.0	690.9	519.7	340.5	213.3	140.2	98.1	76.1	63.1	58.1	58.1
55°	796.1	732.0	559.8	365.5	225.3	144.2	98.1	74.1	61.1	56.1	56.1
57.5°	838.1	770.0	589.8	387.5	236.3	148.2	98.1	72.1	59.1	54.1	53.1
60°	877.2	805.1	611.8	405.5	246.3	150.2	96.1	69.1	56.1	51.1	51.1
62°	898.2	825.1	624.8	416.6	252.3	150.2	94.1	67.1	54.1	49.1	49.1
62.5°	901.2	828.1	627.8	418.6	253.3	150.2	93.1	66.1	54.1	49.1	48.1
65°	901.2	831.1	633.9	423.6	254.3	148.2	90.1	62.1	50.1	45.1	45.1
67.5°	877.2	811.1	624.8	418.6	249.3	142.2	84.1	57.1	46.1	41.1	41.1
70°	825.1	766.0	594.8	401.5	237.3	133.2	77.1	52.1	41.1	37.0	36.0
72.5°	747.0	694.9	539.7	368.5	217.3	120.2	69.1	46.1	36.0	32.0	32.0
75°	643.9	600.8	464.6	321.4	190.3	104.1	58.1	39.1	31.0	28.0	27.0
77.5°	519.7	480.6	371.5	260.3	156.2	86.1	48.1	32.0	26.0	23.0	23.0
80°	381.5	349.5	269.4	191.3	117.2	64.1	36.0	25.0	20.0	18.0	18.0
82.5°	230.3	220.3	168.2	119.2	74.1	42.1	25.0	17.0	14.0	13.0	13.0
85°	89.1	78.1	62.1	49.1	34.0	20.0	13.0	10.0	9.0	8.0	7.0
87.5°	1.0	3.0	4.0	5.0	6.0	5.0	4.0	3.0	4.0	4.0	4.0
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)