

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: P553691

Luminaire Tested: **LXS-VA1-730-U-ASW-S**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553691
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-VA1-730-U-ASW-S
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 3000K LEDS AND TYPE III OPTIC, SPIDER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2097 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

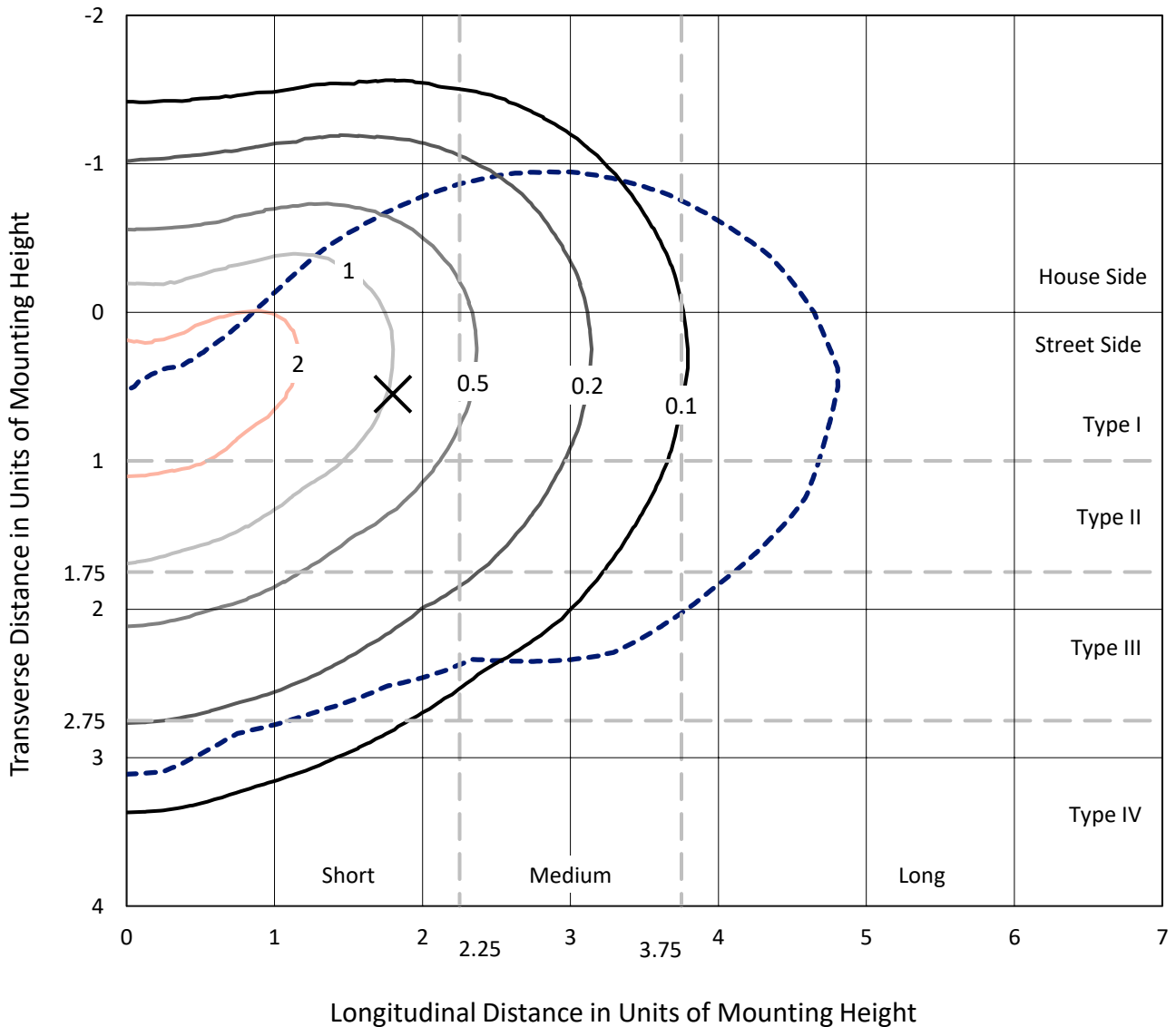
Input Watts (W): 24
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

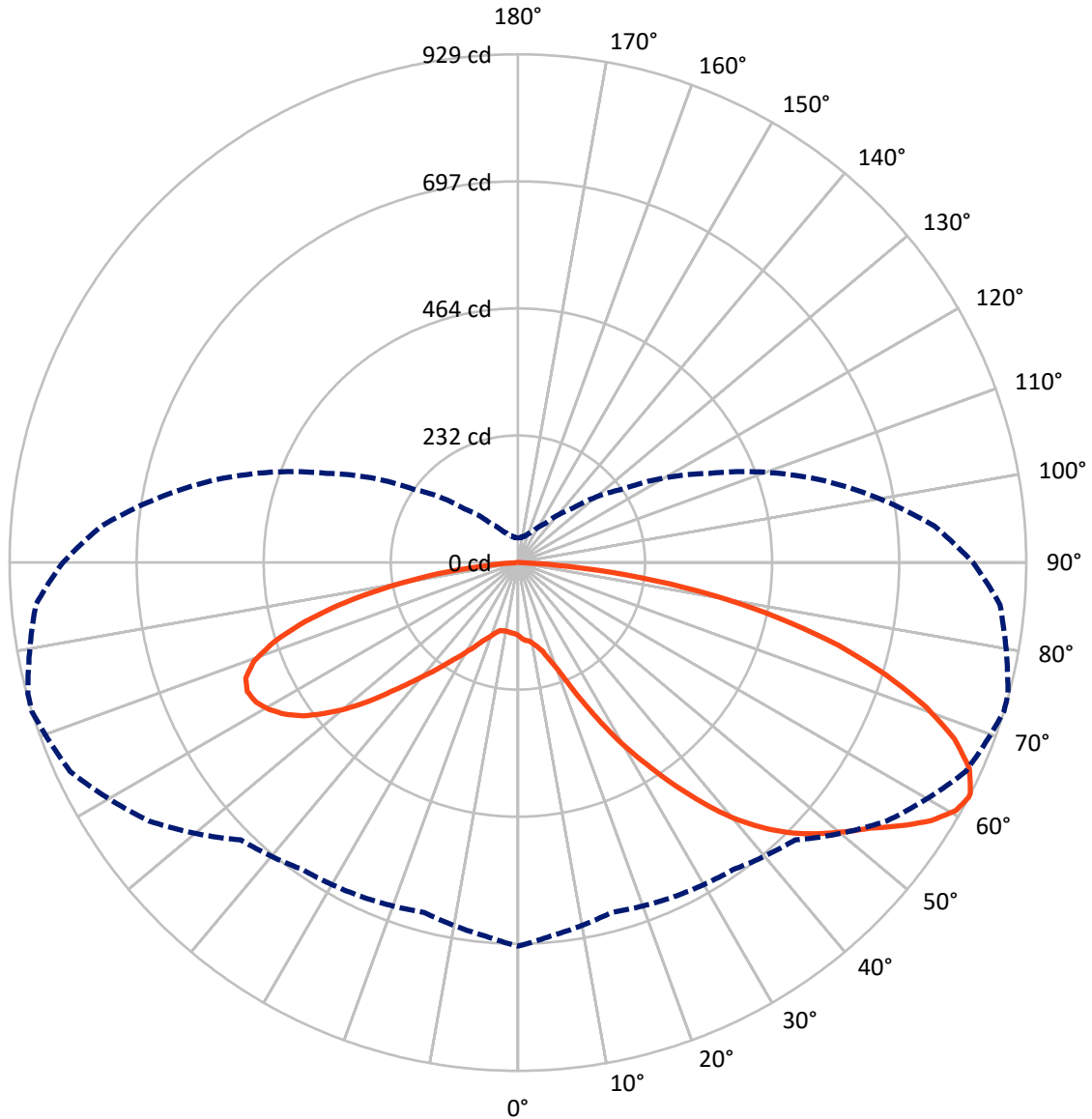
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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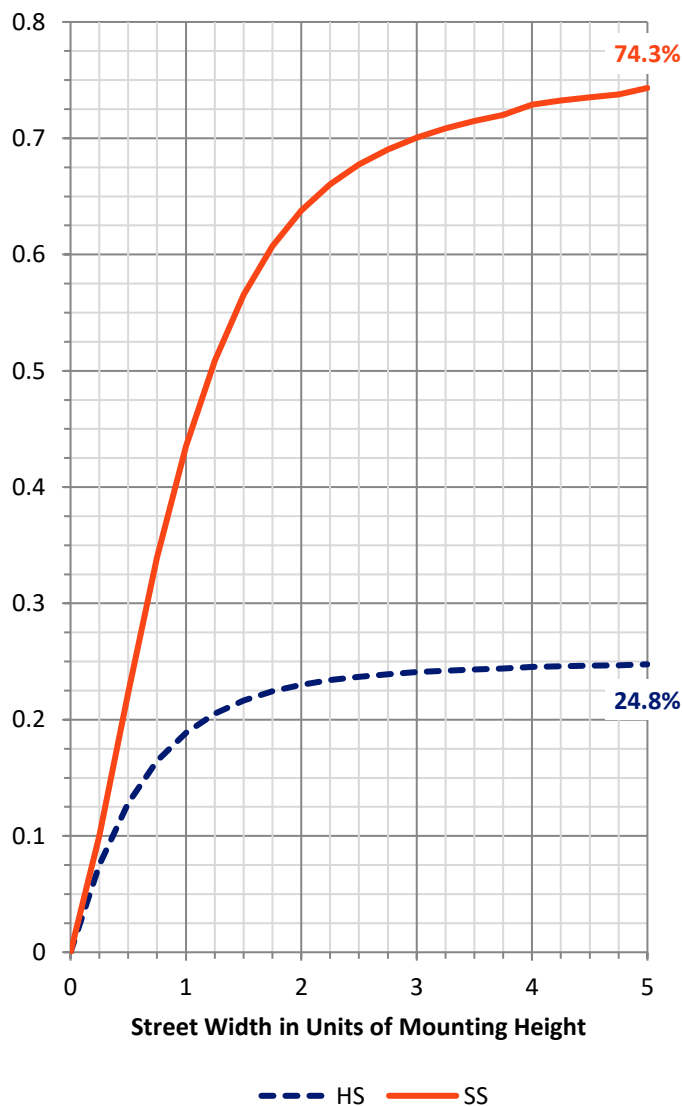
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	523.1	0.0	523.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	1573.9	0.0	1573.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	2097.0	0.0	2097.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.3	0.6
10°-20°	48.6	2.3
20°-30°	119.1	5.7
30°-40°	223.1	10.6
40°-50°	335.1	16.0
50°-60°	452.3	21.6
60°-70°	484.8	23.1
70°-80°	341.6	16.3
80°-90°	79.1	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°	2097.0	100.0
0°-180°	2097.0	100.0

Coefficient of Utilization



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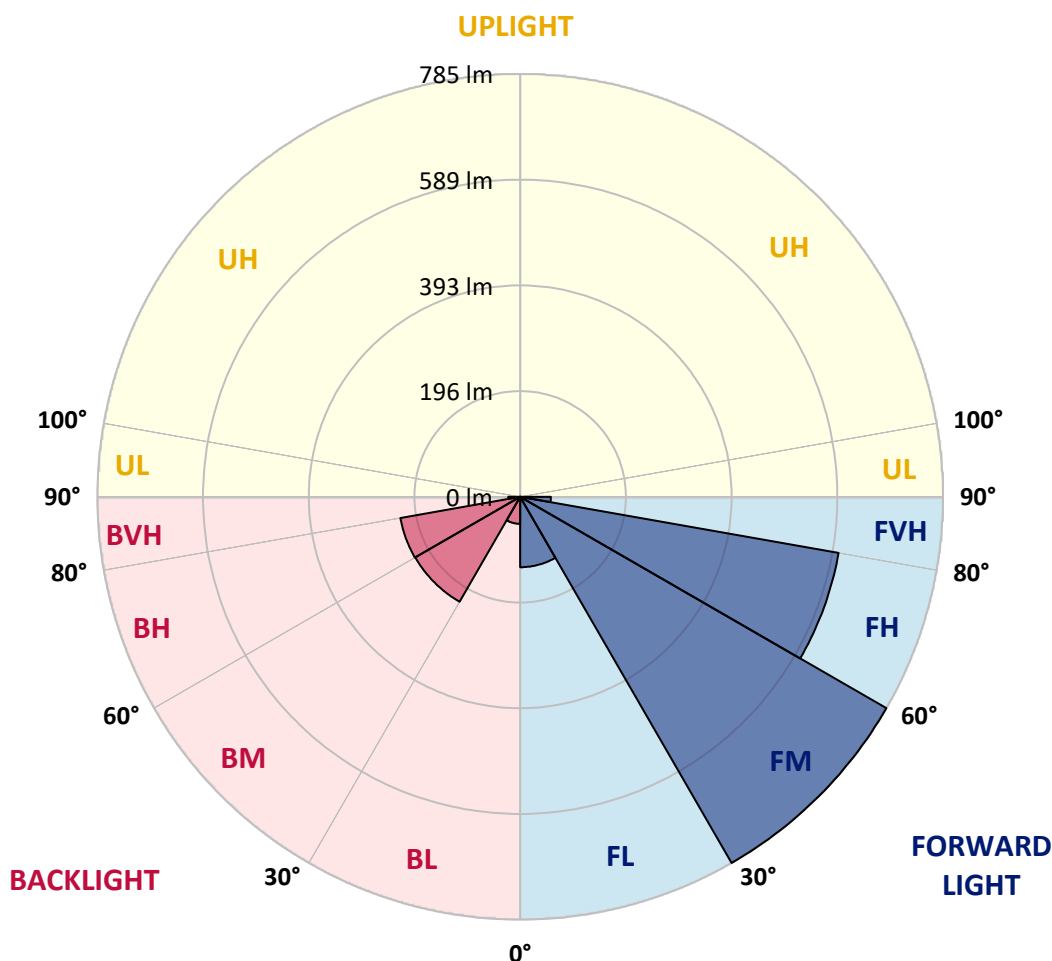
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	130.7	6.2			
FM	(30°-60°)	785.5	37.5			
FH	(60°-80°)	600.6	28.6			G0/660
FVH	(80°-90°)	57.1	2.7			G1/100
BL	(0°-30°)	50.3	2.4	B0/110		
BM	(30°-60°)	225.1	10.7	B1/1000		
BH	(60°-80°)	225.9	10.8	B1/500		G1/500
BVH	(80°-90°)	21.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5
2.5°	151.1	150.2	150.2	149.3	147.4	145.6	143.7	140.9	139.1	138.1	135.4
5°	165.0	164.1	163.2	160.4	157.6	153.9	150.2	146.5	142.8	141.8	137.2
7.5°	180.8	179.9	178.0	171.5	165.0	159.5	153.9	149.3	144.6	143.7	138.1
10°	201.2	200.2	195.6	186.3	176.1	167.8	160.4	154.8	150.2	148.3	140.9
12.5°	219.7	218.8	211.4	200.2	191.0	181.7	171.5	164.1	157.6	155.7	145.6
15°	266.1	264.2	256.8	230.8	216.9	204.9	191.9	178.0	167.8	165.0	151.1
17.5°	359.7	357.8	352.3	309.6	273.5	244.7	223.4	203.0	186.3	183.6	165.0
20°	394.9	397.7	407.9	396.8	356.9	295.7	261.4	234.5	208.6	204.0	180.8
22.5°	417.2	421.8	442.2	444.1	425.5	364.3	305.9	274.4	244.7	236.4	203.0
25°	432.9	440.4	475.6	486.7	469.1	427.4	370.8	329.1	289.2	280.0	232.7
27.5°	449.6	457.0	496.9	513.6	502.5	471.0	445.9	388.4	341.2	327.3	268.9
30°	493.2	496.0	538.6	540.5	529.4	516.4	509.0	445.0	394.0	379.2	307.8
32.5°	564.6	560.0	594.3	582.2	559.0	558.1	556.2	505.3	447.8	432.9	351.4
35°	616.5	617.4	648.0	621.1	598.0	591.5	597.0	562.7	505.3	487.6	402.3
37.5°	642.5	645.2	672.1	657.3	632.3	622.1	635.0	613.7	563.7	545.1	454.3
40°	664.7	667.5	680.5	677.7	661.0	645.2	666.6	658.2	618.4	602.6	509.0
42.5°	672.1	673.1	668.4	687.0	672.1	662.9	690.7	696.2	664.7	653.6	564.6
45°	655.4	661.9	656.4	677.7	678.6	675.8	711.1	727.8	705.5	694.4	618.4
47.5°	642.5	645.2	651.7	685.1	685.1	679.5	726.8	751.9	740.7	732.4	664.7
50°	698.1	689.7	667.5	712.9	702.7	699.0	749.1	777.8	773.2	765.8	706.4
52.5°	735.2	721.3	678.6	719.4	725.0	727.8	783.4	812.1	806.6	799.1	746.3
55°	800.1	778.7	723.1	734.2	738.9	748.1	819.5	853.8	849.2	839.9	788.0
57.5°	787.1	764.8	723.1	737.0	737.9	751.9	841.8	890.0	890.0	882.6	832.5
60°	747.2	725.0	694.4	709.2	714.8	738.9	839.9	908.5	919.7	914.1	870.5
62°	700.9	685.1	661.9	674.0	685.1	716.6	823.2	903.0	928.9	927.1	884.4
62.5°	689.7	674.9	652.7	664.7	675.8	710.1	817.7	899.3	928.0	928.0	885.4
65°	634.1	625.8	601.7	617.4	627.6	663.8	777.8	867.7	906.7	913.2	881.6
67.5°	563.7	567.4	547.9	561.8	572.0	607.2	722.2	814.0	860.3	871.4	853.8
70°	511.7	509.0	491.3	500.6	513.6	547.9	657.3	743.5	791.7	804.7	797.3
72.5°	456.1	455.2	430.2	434.8	449.6	483.0	582.2	656.4	703.6	718.5	724.0
75°	397.7	392.2	367.1	367.1	379.2	407.9	499.7	557.2	605.4	613.7	625.8
77.5°	333.7	329.1	301.3	305.0	309.6	334.7	406.1	447.8	487.6	496.0	505.3
80°	263.3	260.5	233.6	232.7	235.5	253.1	313.4	331.9	361.6	367.1	378.2
82.5°	184.5	180.8	160.4	156.7	156.7	167.8	206.7	215.1	225.3	229.0	233.6
85°	89.0	87.1	77.9	77.9	74.2	78.8	91.8	91.8	93.6	89.0	96.4
87.5°	2.8	2.8	2.8	2.8	1.9	1.9	1.9	1.9	1.9	1.9	0.9
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°	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5
2.5°	134.4	132.6	130.7	128.9	127.9	127.0	126.1	125.2	125.2	124.2	124.2
5°	134.4	132.6	129.8	127.0	124.2	122.4	121.4	119.6	118.7	117.7	118.7
7.5°	135.4	132.6	128.9	125.2	121.4	118.7	115.9	114.0	113.1	112.2	112.2
10°	137.2	133.5	127.9	123.3	119.6	115.0	112.2	109.4	108.5	107.5	107.5
12.5°	140.0	135.4	128.9	122.4	116.8	113.1	109.4	106.6	104.8	102.9	102.9
15°	144.6	138.1	129.8	122.4	115.9	111.2	106.6	102.9	99.2	98.3	98.3
17.5°	155.7	147.4	135.4	124.2	116.8	110.3	103.8	98.3	95.5	93.6	93.6
20°	169.7	159.5	143.7	127.9	117.7	108.5	102.0	95.5	91.8	89.9	89.9
22.5°	185.4	174.3	153.0	132.6	119.6	108.5	100.1	92.7	87.1	84.4	84.4
25°	209.5	191.9	163.2	139.1	122.4	108.5	98.3	89.9	83.4	80.7	80.7
27.5°	240.1	215.1	178.0	148.3	125.2	108.5	96.4	87.1	80.7	77.9	76.9
30°	272.6	242.0	192.8	157.6	128.9	108.5	94.6	83.4	76.0	73.2	73.2
32.5°	310.6	273.5	211.4	166.9	133.5	109.4	92.7	79.7	72.3	69.5	69.5
35°	351.4	309.6	230.8	176.1	138.1	109.4	89.9	76.9	69.5	65.8	65.8
37.5°	400.5	347.7	256.8	188.2	142.8	109.4	89.0	76.0	67.7	64.0	63.0
40°	453.3	393.1	283.7	201.2	148.3	112.2	89.0	75.1	66.7	63.0	62.1
42.5°	505.3	444.1	316.1	216.9	157.6	115.9	89.9	75.1	65.8	61.2	60.3
45°	556.2	495.1	353.2	240.1	167.8	118.7	89.9	74.2	64.0	59.3	58.4
47.5°	606.3	546.0	396.8	266.1	177.1	122.4	89.9	73.2	62.1	57.5	57.5
50°	653.6	595.2	440.4	290.2	186.3	126.1	90.9	71.4	60.3	55.6	55.6
52.5°	697.2	639.7	481.2	315.2	197.5	129.8	90.9	70.5	58.4	53.8	53.8
55°	737.0	677.7	518.2	338.4	208.6	133.5	90.9	68.6	56.6	51.9	51.9
57.5°	776.0	712.9	546.0	358.8	218.8	137.2	90.9	66.7	54.7	50.1	49.1
60°	812.1	745.4	566.4	375.5	228.1	139.1	89.0	64.0	51.9	47.3	47.3
62°	831.6	763.9	578.5	385.7	233.6	139.1	87.1	62.1	50.1	45.4	45.4
62.5°	834.4	766.7	581.3	387.5	234.5	139.1	86.2	61.2	50.1	45.4	44.5
65°	834.4	769.5	586.8	392.2	235.5	137.2	83.4	57.5	46.4	41.7	41.7
67.5°	812.1	750.9	578.5	387.5	230.8	131.6	77.9	52.8	42.6	38.0	38.0
70°	763.9	709.2	550.7	371.8	219.7	123.3	71.4	48.2	38.0	34.3	33.4
72.5°	691.6	643.4	499.7	341.2	201.2	111.2	64.0	42.6	33.4	29.7	29.7
75°	596.1	556.2	430.2	297.6	176.1	96.4	53.8	36.2	28.7	26.0	25.0
77.5°	481.2	445.0	343.9	241.0	144.6	79.7	44.5	29.7	24.1	21.3	21.3
80°	353.2	323.5	249.4	177.1	108.5	59.3	33.4	23.2	18.5	16.7	16.7
82.5°	213.2	204.0	155.7	110.3	68.6	38.9	23.2	15.8	13.0	12.1	12.1
85°	82.5	72.3	57.5	45.4	31.5	18.5	12.1	9.3	8.3	7.4	6.5
87.5°	0.9	2.8	3.7	4.6	5.6	4.6	3.7	2.8	3.7	3.7	3.7
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)