

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: P553714

Luminaire Tested: **LXS-VA1-830-U-ASW-C**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553714
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-VA1-830-U-ASW-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE III OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1997 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

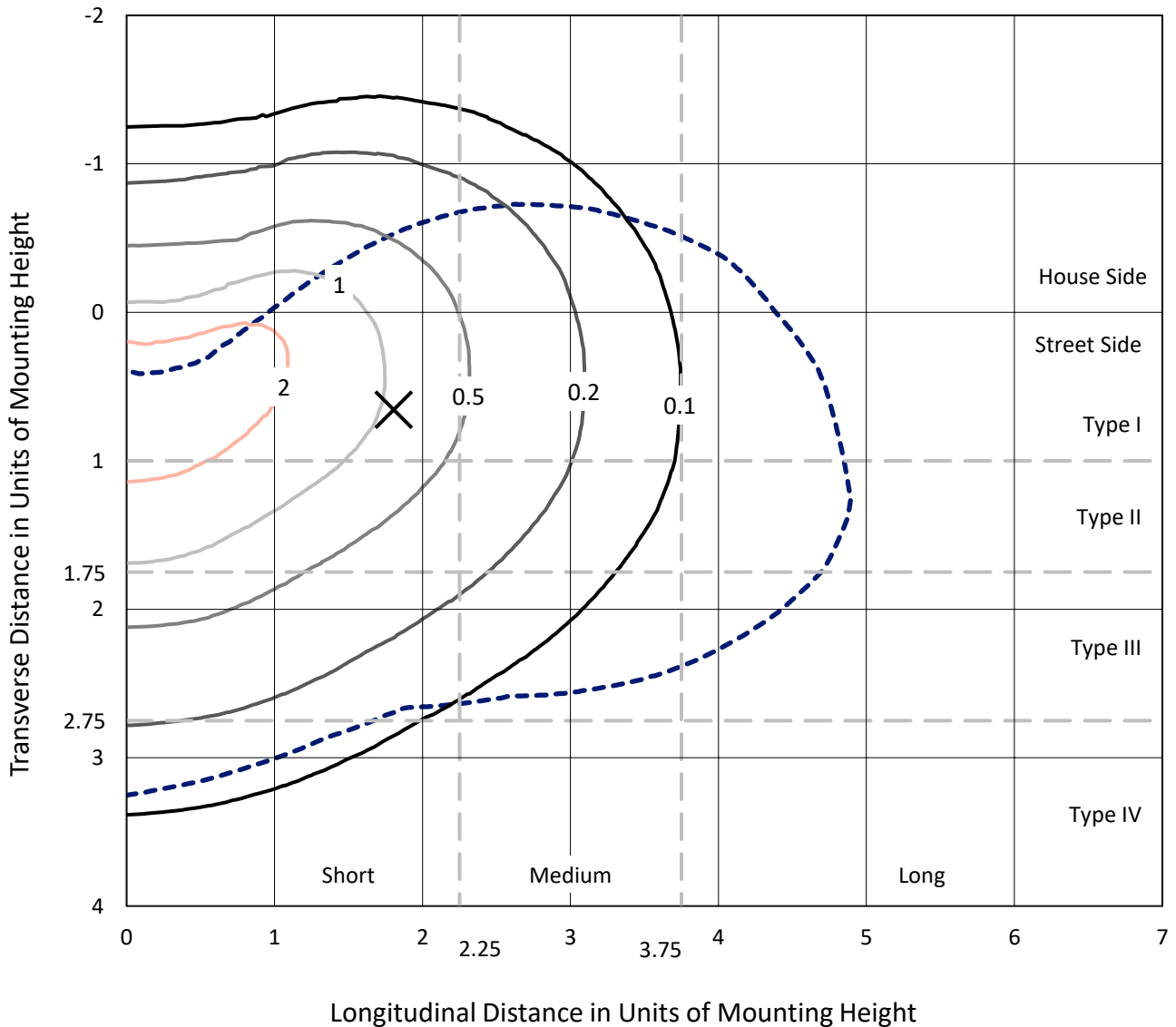
Input Watts (W): 24
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

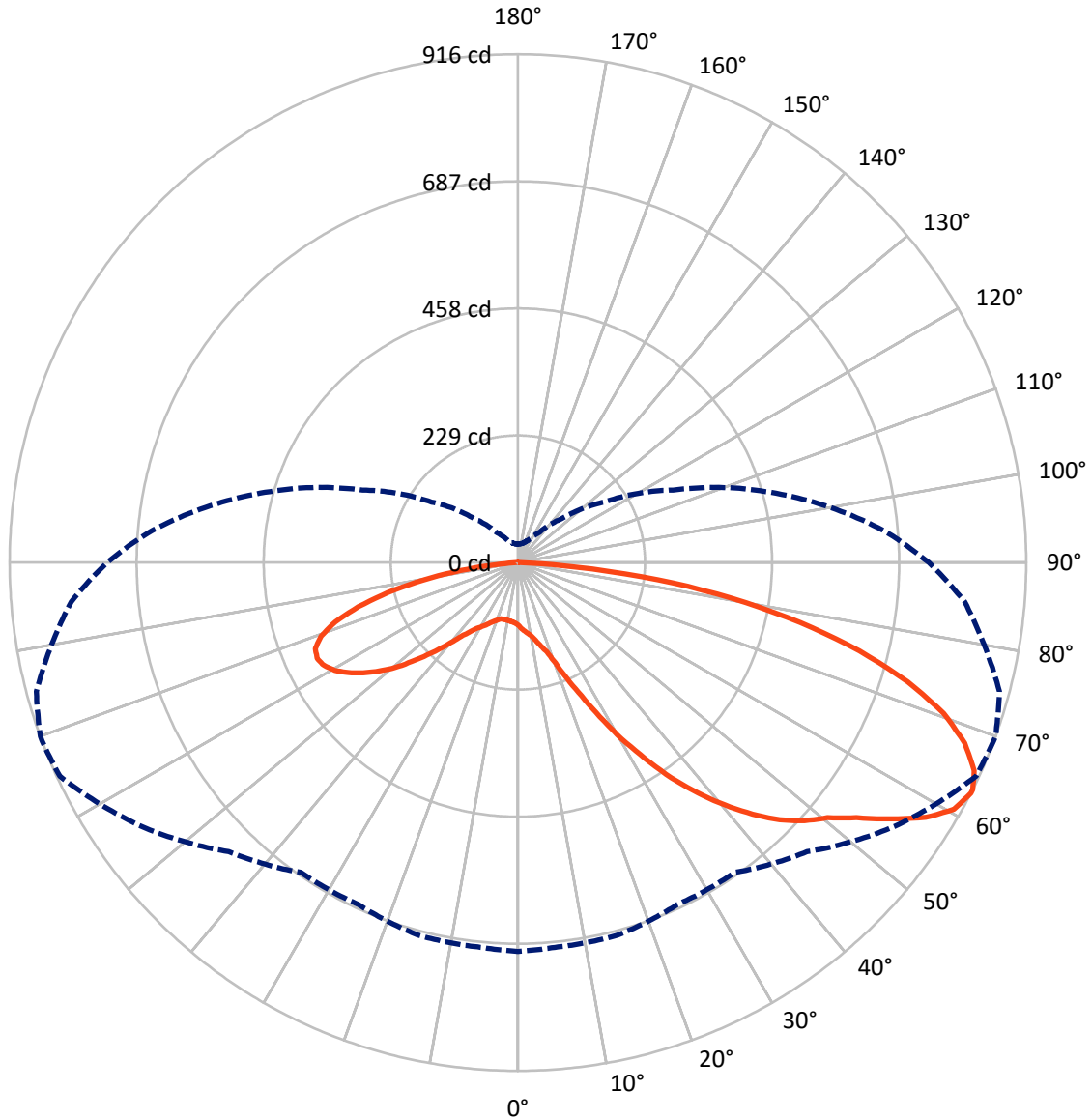
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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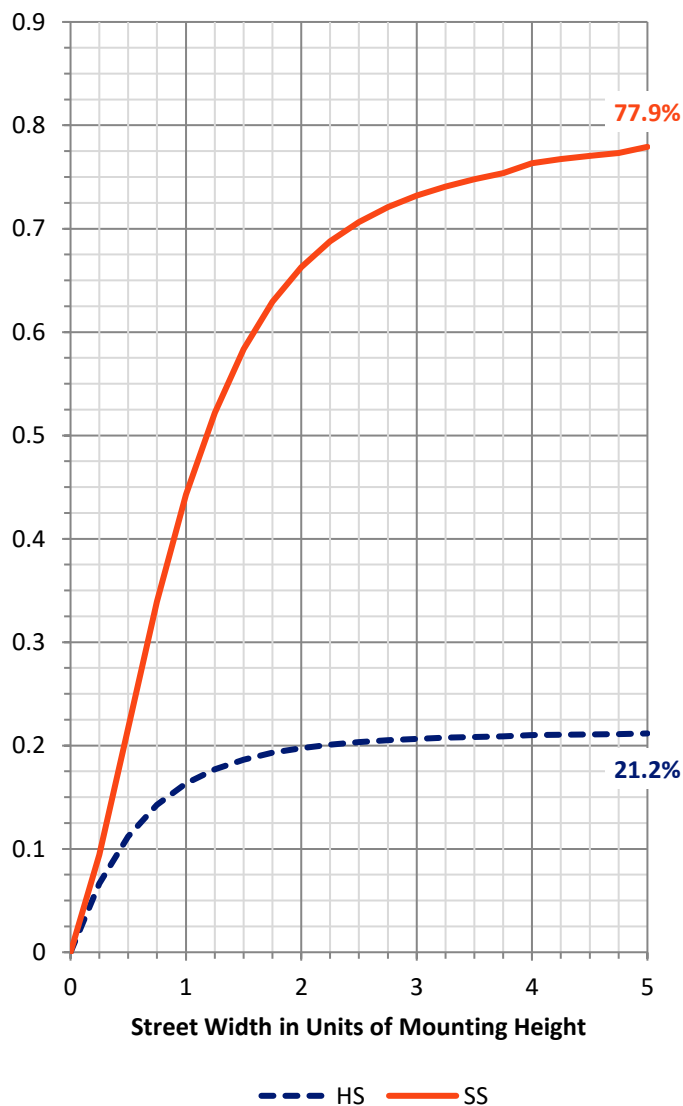
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	424.9	0.0	424.9
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	1572.1	0.0	1572.1
	% Fixture	78.7	0.0	78.7
Total	Lumens	1997.0	0.0	1997.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	0.6
10°-20°	44.0	2.2
20°-30°	110.0	5.5
30°-40°	209.7	10.5
40°-50°	315.4	15.8
50°-60°	427.8	21.4
60°-70°	466.7	23.4
70°-80°	334.9	16.8
80°-90°	77.0	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°	1997.0	100.0
0°-180°	1997.0	100.0

Coefficient of Utilization



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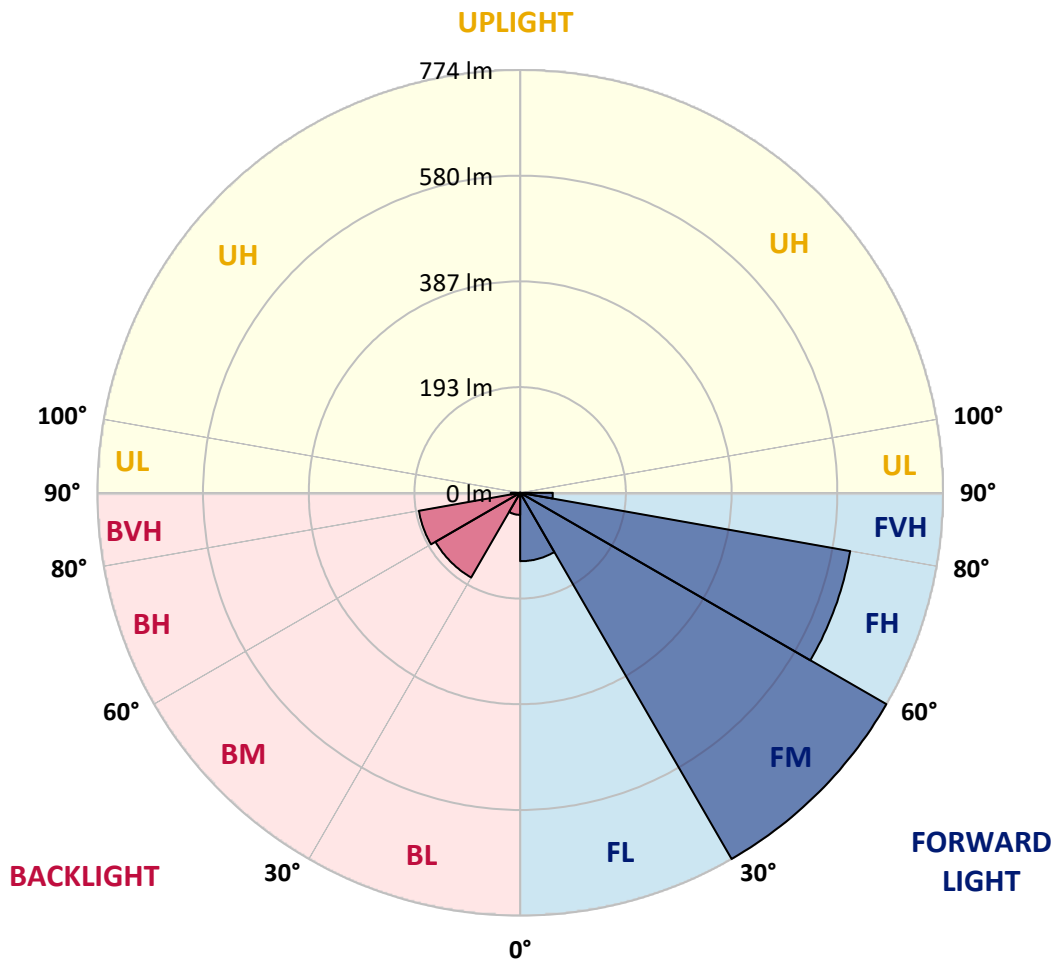
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	125.2	6.3			
FM (30°-60°)	773.8	38.7			
FH (60°-80°)	613.3	30.7			G0/660
FVH (80°-90°)	59.9	3.0			G1/100
BL (0°-30°)	40.3	2.0	B0/110		
BM (30°-60°)	179.1	9.0	B0/220		
BH (60°-80°)	188.4	9.4	B1/500		G1/500
BVH (80°-90°)	17.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	112.9	112.9	112.9	112.9	112.9	112.9	112.9	112.9	112.9	112.9	112.9
2.5°	127.9	127.9	127.1	126.3	125.4	124.6	122.1	119.6	118.7	117.9	115.4
5°	144.7	144.7	143.0	141.3	138.0	135.5	130.4	126.3	123.8	122.1	117.1
7.5°	164.7	163.9	161.4	157.2	151.3	145.5	138.8	132.1	128.8	125.4	119.6
10°	187.3	185.6	180.6	173.9	165.6	157.2	147.2	138.8	134.6	130.4	122.1
12.5°	220.7	218.2	207.4	197.3	184.0	171.4	160.5	149.7	143.8	138.0	126.3
15°	273.4	268.4	250.9	234.1	212.4	197.3	178.1	163.9	156.4	147.2	132.1
17.5°	380.5	374.6	340.3	299.3	260.9	235.8	202.4	178.9	168.9	157.2	137.1
20°	437.3	434.8	418.9	390.5	336.1	291.0	247.5	207.4	193.2	178.1	149.7
22.5°	459.9	458.2	447.4	435.6	408.9	353.7	298.5	247.5	227.4	205.7	167.2
25°	495.0	494.2	480.8	461.6	447.4	414.7	349.5	294.3	265.9	240.0	189.0
27.5°	519.3	520.9	516.8	503.4	474.1	457.4	402.2	345.3	314.4	281.0	215.7
30°	571.9	568.6	557.7	544.3	520.9	490.8	459.9	398.9	368.8	328.6	255.0
32.5°	668.1	659.7	623.8	588.7	561.1	526.0	507.6	449.0	420.6	379.6	297.7
35°	709.9	709.9	691.5	643.9	598.7	571.1	544.3	500.9	476.6	434.8	347.0
37.5°	727.5	727.5	713.3	687.3	639.7	607.9	579.5	551.0	526.8	490.8	398.0
40°	749.2	745.0	724.1	699.9	670.6	638.0	620.4	597.0	574.5	545.2	448.2
42.5°	733.3	735.8	725.0	700.7	685.7	663.9	655.6	638.0	619.6	594.5	497.5
45°	670.6	674.8	692.4	696.5	679.8	681.5	685.7	674.8	661.4	640.5	546.9
47.5°	674.8	674.8	682.3	684.0	686.5	696.5	710.7	709.9	694.9	681.5	589.5
50°	726.6	721.6	708.2	705.7	707.4	711.6	734.2	739.2	722.5	714.9	633.8
52.5°	758.4	751.7	721.6	713.3	719.1	735.8	770.1	775.1	763.4	745.0	674.0
55°	815.3	811.1	771.8	726.6	732.5	762.6	811.9	822.8	815.3	782.7	715.8
57.5°	790.2	786.0	777.6	733.3	739.2	772.6	841.2	871.3	866.3	832.8	753.4
60°	741.7	739.2	739.2	715.8	720.8	762.6	847.0	904.7	902.2	875.5	786.8
62.5°	700.7	696.5	694.9	679.8	681.5	736.7	828.6	910.6	915.6	898.0	807.7
63°	690.7	686.5	686.5	670.6	673.1	730.0	822.8	908.9	915.6	899.7	809.4
65°	638.8	637.2	645.5	632.1	638.8	698.2	793.5	891.4	903.1	895.5	811.1
67.5°	573.6	571.1	586.2	577.8	590.3	649.7	745.0	848.7	867.9	864.6	792.7
70°	520.9	516.8	520.1	521.8	532.6	591.2	684.8	783.5	813.6	815.3	748.4
72.5°	466.6	461.6	455.7	454.9	466.6	522.6	611.2	699.9	734.2	738.3	681.5
75°	401.4	396.3	389.7	386.3	396.3	446.5	526.8	602.9	635.5	640.5	591.2
77.5°	332.0	329.5	320.3	315.2	322.8	364.6	433.1	494.2	520.1	526.0	481.6
80°	259.2	255.9	245.0	237.5	245.0	278.4	329.5	374.6	391.3	396.3	356.2
82.5°	177.3	178.1	163.9	158.0	163.1	186.5	219.1	245.8	254.2	254.2	229.1
85°	80.3	83.6	76.9	75.3	76.9	84.5	99.5	104.5	104.5	106.2	94.5
87.5°	3.3	3.3	3.3	3.3	2.5	1.7	1.7	1.7	1.7	1.7	0.8
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°	112.9	112.9	112.9	112.9	112.9	112.9	112.9	112.9	112.9	112.9	112.9
2.5°	113.7	112.9	110.4	108.7	107.0	106.2	104.5	103.7	103.7	102.8	103.7
5°	114.6	112.9	109.5	106.2	102.8	101.2	98.7	97.0	96.2	96.2	96.2
7.5°	116.2	113.7	108.7	104.5	100.3	97.0	94.5	92.8	91.1	90.3	90.3
10°	118.7	115.4	108.7	102.8	97.8	94.5	91.1	88.6	87.0	86.1	86.1
12.5°	121.2	117.1	108.7	102.0	97.0	92.0	88.6	85.3	83.6	81.9	81.9
15°	125.4	119.6	109.5	101.2	95.3	89.5	85.3	81.9	79.4	78.6	78.6
17.5°	129.6	122.9	110.4	101.2	94.5	87.8	82.8	78.6	76.1	75.3	75.3
20°	139.6	131.3	115.4	103.7	94.5	87.0	81.1	76.1	72.7	71.1	71.1
22.5°	152.2	141.3	121.2	107.0	95.3	86.1	79.4	73.6	70.2	67.7	67.7
25°	169.7	153.9	127.9	110.4	96.2	86.1	77.8	71.1	66.9	64.4	64.4
27.5°	188.1	168.9	137.1	114.6	98.7	86.1	76.1	68.6	63.5	61.0	61.0
30°	216.6	187.3	145.5	119.6	101.2	85.3	74.4	66.1	60.2	56.9	56.9
32.5°	252.5	216.6	154.7	125.4	102.8	86.1	72.7	62.7	56.9	53.5	53.5
35°	291.0	248.3	171.4	129.6	105.4	85.3	70.2	60.2	53.5	51.0	50.2
37.5°	339.5	286.8	192.3	135.5	107.9	85.3	69.4	57.7	51.8	48.5	48.5
40°	385.5	330.3	219.9	147.2	109.5	86.1	68.6	56.9	51.0	47.7	46.8
42.5°	433.1	371.3	252.5	163.1	112.9	88.6	68.6	56.0	49.3	46.0	46.0
45°	480.8	413.1	284.3	183.1	121.2	90.3	68.6	55.2	47.7	45.2	44.3
47.5°	525.1	458.2	317.7	204.9	131.3	91.1	68.6	53.5	46.0	43.5	42.6
50°	567.8	500.0	352.9	229.9	141.3	91.1	68.6	52.7	45.2	41.8	41.8
52.5°	608.7	541.8	384.6	250.9	153.0	97.0	67.7	51.8	43.5	41.0	40.1
55°	645.5	576.1	414.7	270.1	164.7	102.0	67.7	50.2	41.8	39.3	38.5
57.5°	682.3	607.1	441.5	286.8	176.4	107.0	66.9	49.3	40.1	37.6	37.6
60°	716.6	638.0	464.9	300.2	184.8	110.4	65.2	46.8	38.5	36.0	35.1
62.5°	740.0	661.4	481.6	308.5	189.8	112.0	65.2	44.3	36.0	33.4	33.4
63°	743.4	665.6	484.1	309.4	190.6	112.9	65.2	44.3	36.0	33.4	32.6
65°	745.9	673.1	490.0	311.1	191.5	112.9	63.5	41.8	33.4	30.9	30.9
67.5°	731.7	665.6	485.0	307.7	187.3	109.5	61.0	37.6	30.1	27.6	27.6
70°	694.9	633.8	462.4	294.3	178.1	102.8	56.9	33.4	26.8	24.2	24.2
72.5°	631.3	578.6	422.3	269.2	162.2	93.7	51.0	29.3	23.4	21.7	20.9
75°	546.0	500.9	363.7	233.3	139.6	80.3	44.3	25.1	19.2	17.6	17.6
77.5°	441.5	409.7	292.7	187.3	112.9	65.2	36.0	20.9	15.1	14.2	14.2
80°	324.4	299.3	210.7	136.3	81.1	47.7	26.8	15.9	10.0	10.0	10.0
82.5°	198.2	184.0	127.1	81.9	47.7	28.4	16.7	10.0	6.7	5.9	5.9
85°	77.8	75.3	49.3	27.6	14.2	9.2	6.7	4.2	3.3	2.5	1.7
87.5°	0.8	0.8	1.7	0.8	0.8	0.8	0.8	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)