

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: P553683

Luminaire Tested: **LXS-VA1-730-U-ASC-A**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553683
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA1-730-U-ASC-A
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 3000K LEDS AND TYPE II OPTIC, ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1949 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

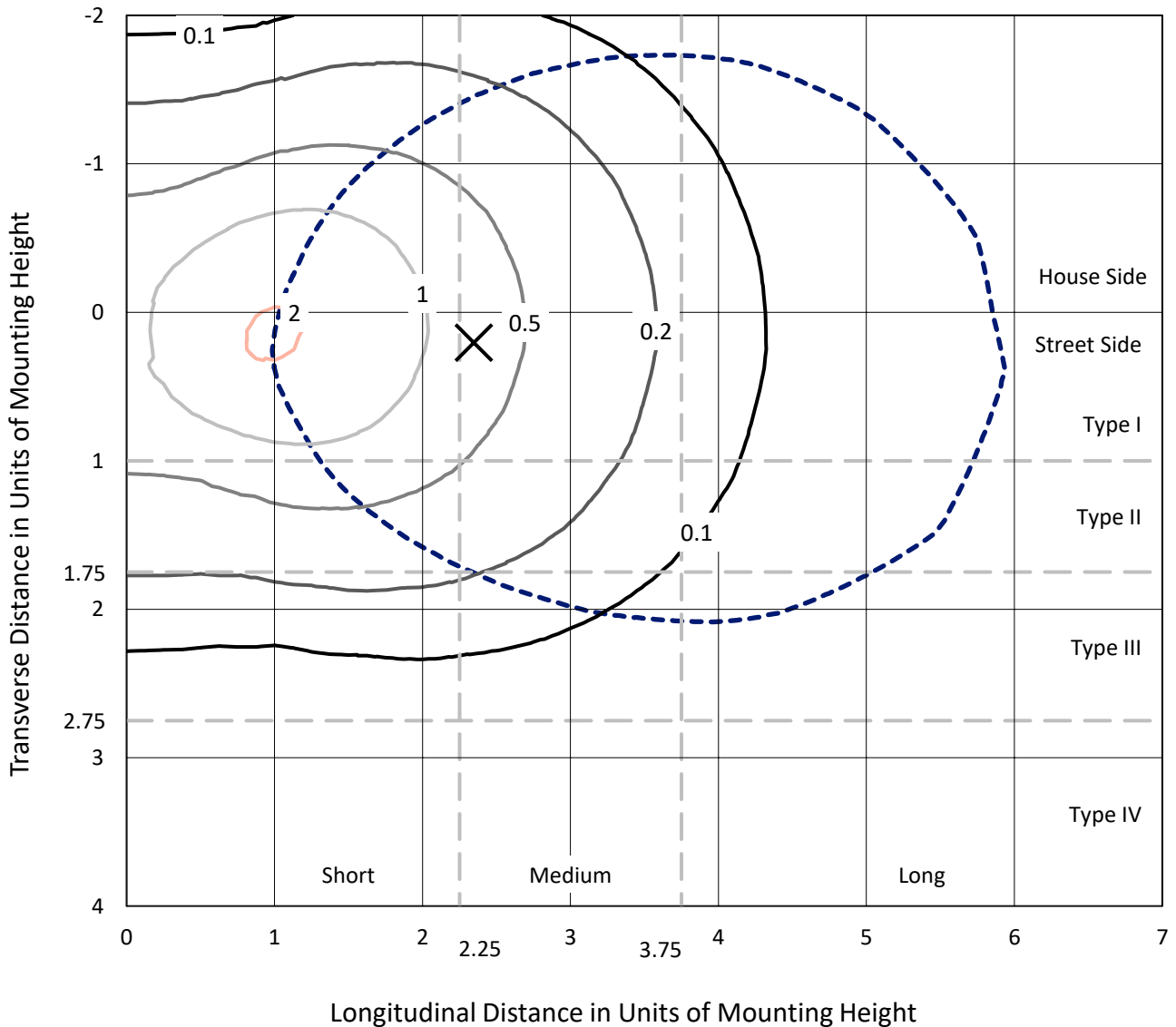
Input Watts (W): 24
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

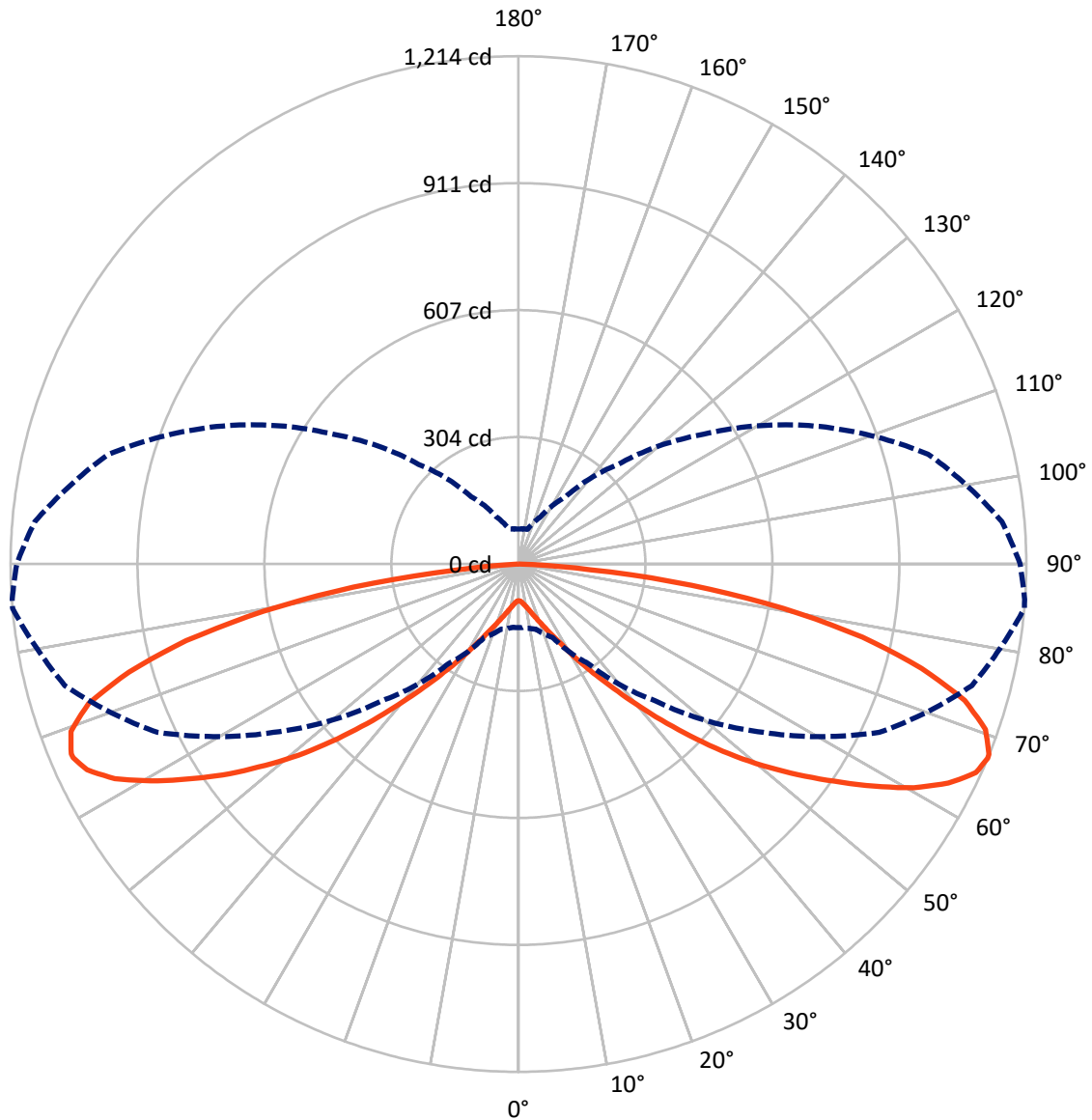
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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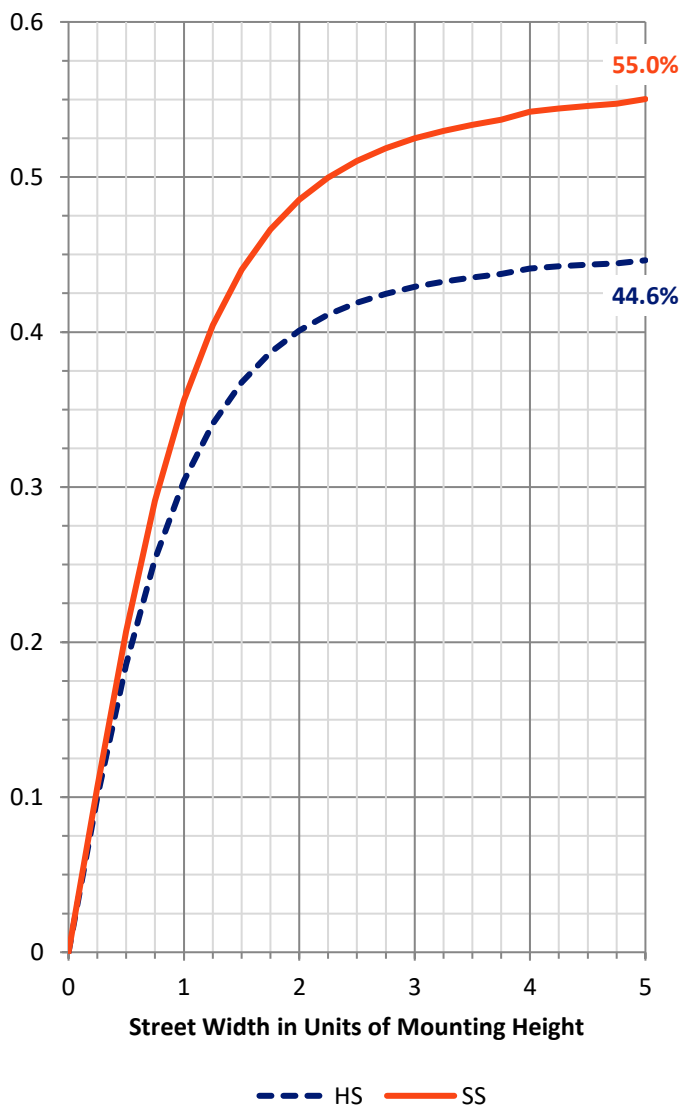
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	872.2	0.0	872.2
	% Fixture	44.7	0.0	44.7
Street Side	Lumens	1076.8	0.0	1076.8
	% Fixture	55.3	0.0	55.3
Total	Lumens	1949.0	0.0	1949.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.0	0.5
10°-20°	31.9	1.6
20°-30°	69.5	3.6
30°-40°	136.9	7.0
40°-50°	247.5	12.7
50°-60°	395.3	20.3
60°-70°	518.8	26.6
70°-80°	438.1	22.5
80°-90°	102.1	5.2
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°	1949.0	100.0
0°-180°	1949.0	100.0

Coefficient of Utilization



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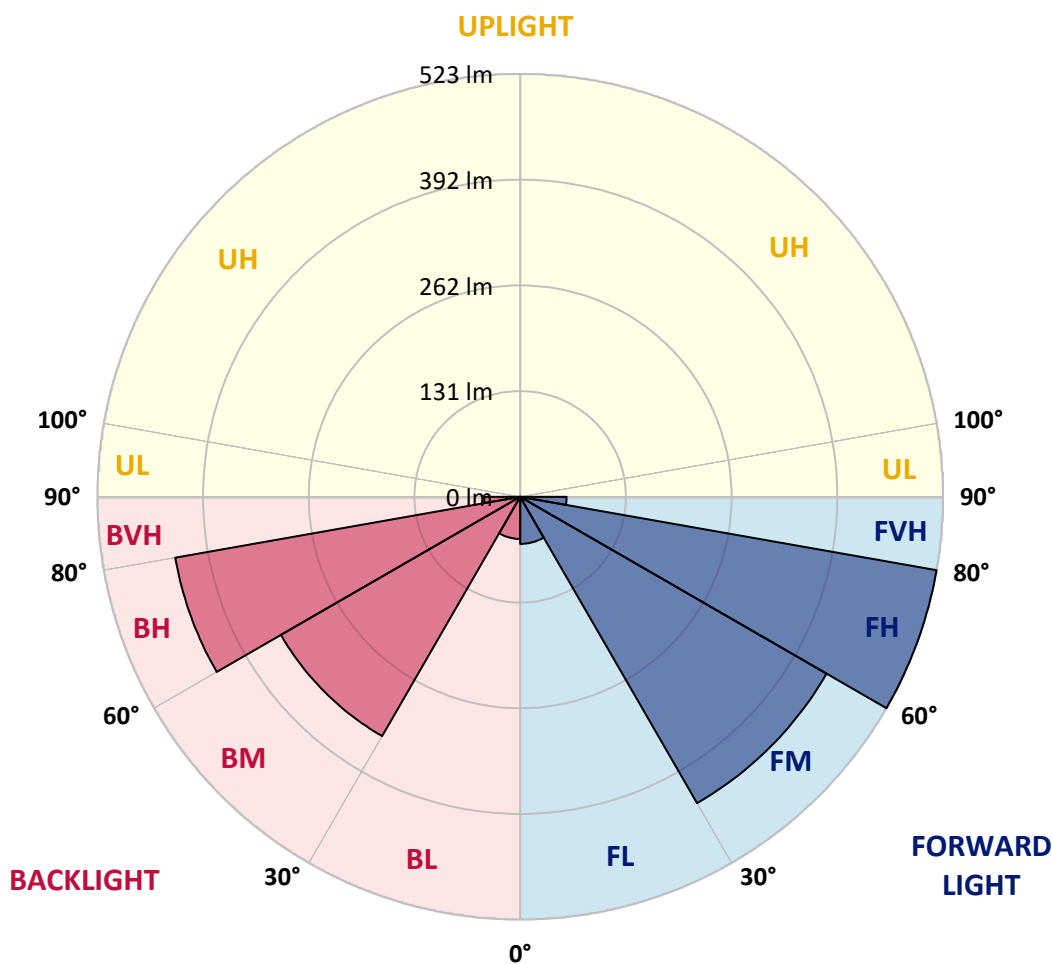
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	58.3	3.0			
FM	(30°-60°)	437.8	22.5			
FH	(60°-80°)	523.3	26.9			G0/660
FVH	(80°-90°)	57.5	2.9			G1/100
BL	(0°-30°)	52.1	2.7	B0/110		
BM	(30°-60°)	341.9	17.5	B1/1000		
BH	(60°-80°)	433.5	22.2	B1/500		G1/500
BVH	(80°-90°)	44.6	2.3			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	86°
0°	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2.5°	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
5°	90.8	90.8	90.8	91.7	91.7	92.6	92.6	92.6	92.6	92.6	92.6
7.5°	91.7	91.7	92.6	93.5	95.4	96.3	97.2	97.2	97.2	98.2	98.2
10°	92.6	92.6	93.5	95.4	98.2	100.9	102.8	103.7	104.6	104.6	104.6
12.5°	95.4	95.4	96.3	98.2	101.9	105.6	109.3	112.1	113.0	113.0	113.0
15°	100.0	100.0	100.9	103.7	107.4	112.1	116.7	121.3	123.2	123.2	123.2
17.5°	106.5	106.5	107.4	110.2	114.8	121.3	126.9	132.4	135.2	135.2	135.2
20°	114.8	114.8	115.8	119.5	124.1	131.5	139.8	146.3	151.0	150.0	150.0
22.5°	119.5	119.5	122.2	127.8	134.3	142.6	155.6	163.9	169.5	167.6	166.7
25°	123.2	123.2	126.0	133.4	145.4	156.5	174.1	185.2	191.7	188.9	188.0
27.5°	127.8	128.7	132.4	139.8	154.7	173.2	192.6	212.1	217.6	214.9	213.9
30°	132.4	132.4	138.0	149.1	165.8	190.8	216.7	248.2	253.8	250.0	246.3
32.5°	139.8	139.8	144.5	157.4	180.6	209.3	248.2	281.5	291.7	289.9	288.0
35°	151.0	151.0	155.6	167.6	195.4	231.5	282.5	320.4	339.0	333.4	332.5
37.5°	154.7	155.6	162.1	178.7	208.4	259.3	317.7	365.8	392.7	386.2	383.4
40°	157.4	158.4	164.8	185.2	222.3	283.4	352.8	418.6	451.0	448.2	442.7
42.5°	159.3	160.2	167.6	188.9	236.2	303.8	389.9	476.0	518.6	520.5	516.8
45°	159.3	160.2	170.4	193.6	246.3	325.1	427.9	534.4	592.7	597.3	592.7
47.5°	159.3	160.2	170.4	198.2	254.7	347.3	466.8	587.1	664.0	677.9	671.4
50°	164.8	165.8	175.0	202.8	268.6	373.2	506.6	641.8	734.4	757.6	752.0
52.5°	164.8	166.7	176.9	207.4	281.5	397.3	545.5	699.2	803.9	836.3	827.0
55°	171.3	172.3	180.6	213.9	292.6	420.5	586.2	755.7	881.7	916.8	912.2
57.5°	173.2	174.1	183.4	216.7	301.9	446.4	631.6	815.0	962.2	1002.0	995.6
60°	169.5	170.4	181.5	214.9	308.4	466.8	671.4	874.2	1028.0	1086.3	1079.8
62.5°	164.8	165.8	176.0	211.2	307.5	474.2	697.4	920.5	1077.1	1153.9	1147.4
65°	159.3	159.3	168.6	203.7	299.1	471.4	704.8	949.3	1111.3	1202.1	1198.4
67°	151.9	151.9	161.1	193.6	289.9	462.1	698.3	952.0	1122.4	1214.1	1213.2
67.5°	149.1	150.0	158.4	191.7	287.1	458.4	695.5	950.2	1123.4	1213.2	1213.2
70°	137.1	138.0	145.4	176.0	269.5	435.3	665.9	921.5	1101.1	1184.5	1187.3
72.5°	123.2	123.2	129.7	157.4	243.6	401.9	621.4	862.2	1038.2	1116.0	1118.7
75°	106.5	106.5	112.1	136.1	211.2	353.8	555.7	772.4	933.5	995.6	1004.8
77.5°	88.0	88.9	91.7	111.1	173.2	294.5	466.8	652.0	789.0	840.9	845.5
80°	66.7	67.6	69.5	82.4	130.6	221.3	356.5	501.9	606.6	642.7	647.3
82.5°	43.5	44.5	45.4	51.9	83.3	143.5	230.6	329.7	400.1	416.7	421.4
85°	18.5	18.5	19.4	22.2	35.2	58.3	95.4	135.2	167.6	172.3	172.3
87.5°	0.9	0.9	0.0	0.0	0.9	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2.5°	88.9	88.9	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
5°	92.6	92.6	92.6	92.6	92.6	91.7	90.8	90.8	89.8	89.8	89.8
7.5°	98.2	98.2	97.2	96.3	94.5	93.5	92.6	92.6	91.7	91.7	91.7
10°	104.6	104.6	103.7	100.9	99.1	98.2	96.3	94.5	93.5	92.6	92.6
12.5°	113.0	113.0	111.1	107.4	105.6	102.8	99.1	96.3	94.5	93.5	93.5
15°	123.2	123.2	119.5	115.8	112.1	106.5	101.9	99.1	96.3	95.4	95.4
17.5°	135.2	134.3	129.7	126.0	119.5	112.1	106.5	102.8	99.1	97.2	96.3
20°	149.1	148.2	141.7	136.1	126.9	118.5	111.1	104.6	99.1	97.2	97.2
22.5°	164.8	163.9	156.5	148.2	135.2	126.0	114.8	106.5	100.9	99.1	99.1
25°	185.2	183.4	172.3	161.1	146.3	133.4	119.5	110.2	103.7	100.0	99.1
27.5°	210.2	207.4	192.6	177.8	159.3	139.8	124.1	112.1	103.7	100.0	99.1
30°	241.7	237.1	217.6	195.4	173.2	149.1	130.6	113.9	105.6	101.9	100.9
32.5°	279.7	273.2	248.2	216.7	188.0	160.2	134.3	117.6	107.4	101.9	101.9
35°	323.2	313.9	282.5	243.6	204.7	171.3	140.8	120.4	107.4	101.9	100.9
37.5°	373.2	361.2	322.3	275.1	225.0	181.5	147.3	122.2	108.4	103.7	102.8
40°	432.5	416.7	366.7	310.2	250.0	194.5	153.7	126.0	111.1	104.6	103.7
42.5°	501.9	482.5	417.7	348.2	276.9	210.2	160.2	129.7	111.1	103.7	103.7
45°	577.0	554.7	474.2	389.0	304.7	226.9	167.6	131.5	112.1	105.6	104.6
47.5°	656.6	632.5	537.1	433.4	332.5	241.7	176.0	133.4	113.9	105.6	104.6
50°	738.1	712.2	604.7	482.5	363.0	258.4	181.5	136.1	113.0	104.6	103.7
52.5°	820.5	788.1	680.7	539.0	398.2	276.0	187.1	138.0	113.0	104.6	103.7
55°	904.8	868.7	756.6	592.7	433.4	295.4	194.5	138.0	113.0	103.7	102.8
57.5°	986.3	943.7	828.9	649.2	466.8	311.2	200.0	138.9	111.1	100.9	100.0
60°	1065.0	1021.5	897.4	701.1	495.5	322.3	201.9	138.0	108.4	99.1	98.2
62.5°	1134.5	1092.8	953.9	742.7	518.6	332.5	201.9	134.3	103.7	95.4	94.5
65°	1182.6	1142.8	997.4	771.4	535.3	338.0	200.0	129.7	96.3	89.8	88.9
67°	1199.3	1160.4	1014.1	780.7	540.8	337.1	196.3	124.1	86.1	84.3	83.3
67.5°	1200.2	1161.3	1015.0	781.6	540.8	336.2	194.5	123.2	82.4	82.4	82.4
70°	1178.9	1141.9	1001.1	769.6	529.7	323.2	182.4	114.8	69.5	73.2	75.0
72.5°	1112.2	1080.8	947.4	730.7	499.2	301.0	166.7	100.9	58.3	64.8	66.7
75°	995.6	965.9	845.5	656.6	447.3	267.6	146.3	82.4	46.3	55.6	56.5
77.5°	833.5	815.0	712.2	557.5	374.1	222.3	118.5	60.2	36.1	44.5	46.3
80°	632.5	619.6	540.8	426.0	280.6	164.8	80.6	38.0	26.9	33.3	34.3
82.5°	404.7	398.2	346.4	271.3	167.6	94.5	39.8	17.6	14.8	20.4	21.3
85°	159.3	151.0	127.8	95.4	54.6	25.9	8.3	4.6	5.6	3.7	2.8
87.5°	0.0	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)