

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: P553684

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553684
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-8-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-ASC-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 3000K LEDS AND TYPE II OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1857 lumens
Efficiency: N/A
Efficacy: 77.4 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

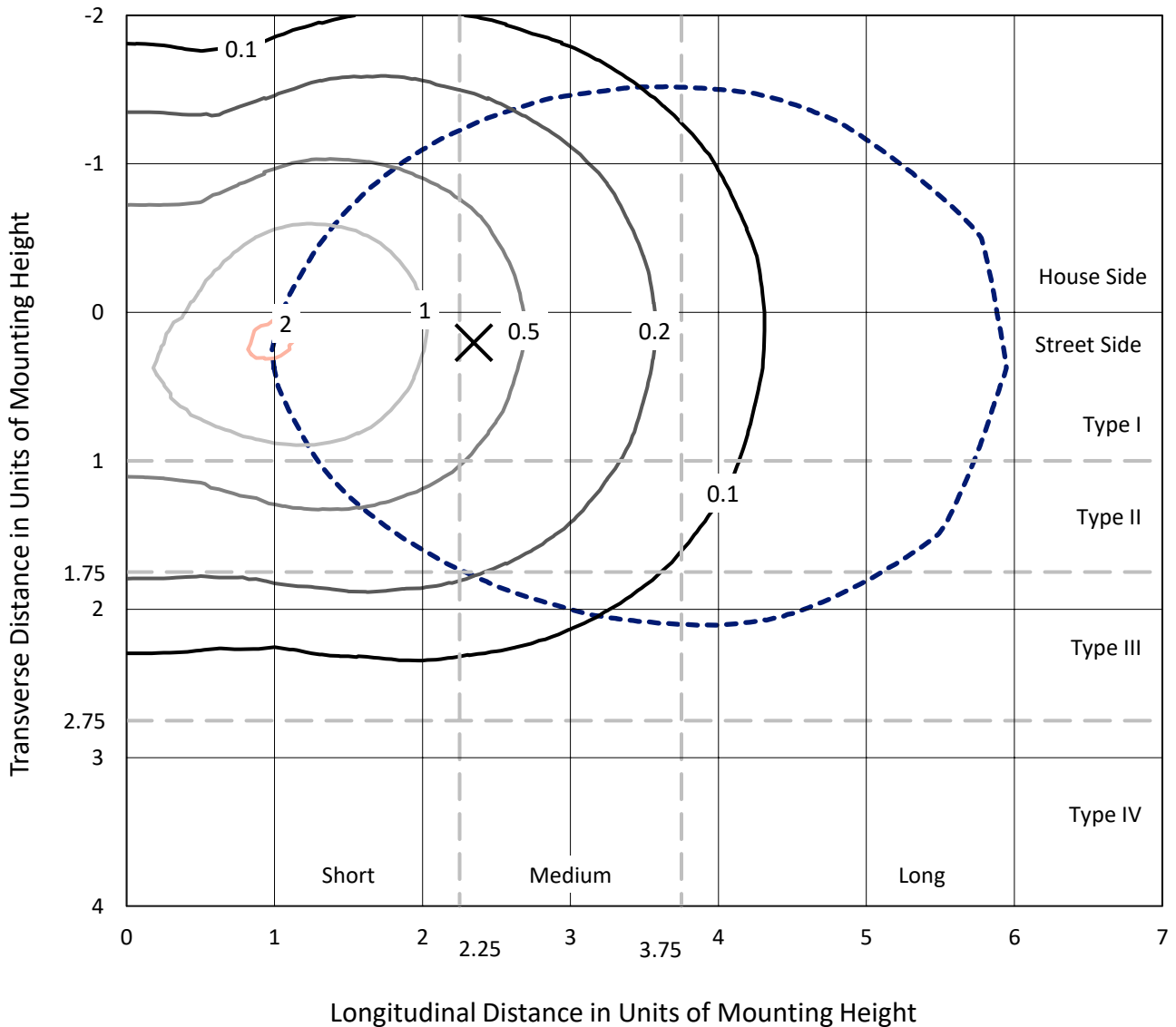


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Iso-Footcandle Lines of Horizontal Illumination

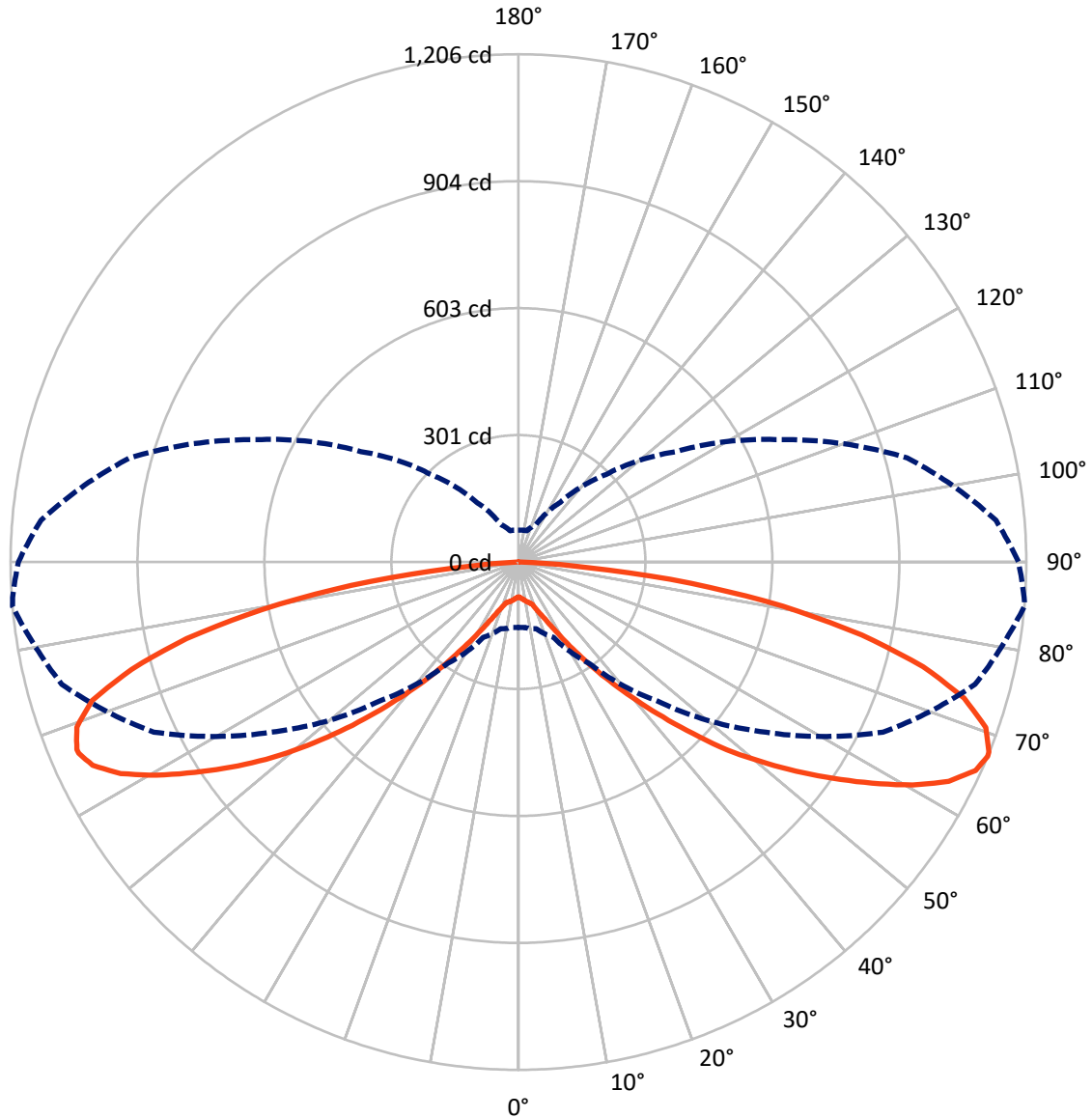
× Max cd
 - - - 1/2 Max cd



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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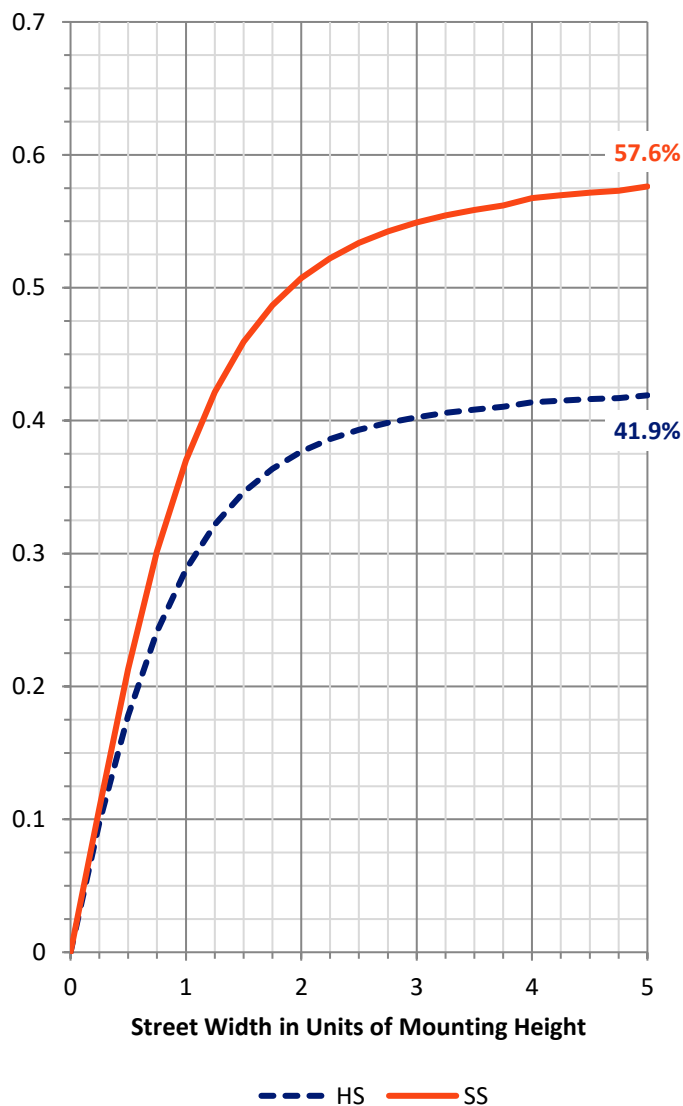
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	781.8	0.0	781.8
	% Fixture	42.1	0.0	42.1
Street Side	Lumens	1075.2	0.0	1075.2
	% Fixture	57.9	0.0	57.9
Total	Lumens	1857.0	0.0	1857.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	0.5
10°-20°	27.8	1.5
20°-30°	60.2	3.2
30°-40°	124.8	6.7
40°-50°	232.8	12.5
50°-60°	378.0	20.4
60°-70°	499.4	26.9
70°-80°	423.8	22.8
80°-90°	101.7	5.5
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°	1857.0	100.0
0°-180°	1857.0	100.0

Coefficient of Utilization



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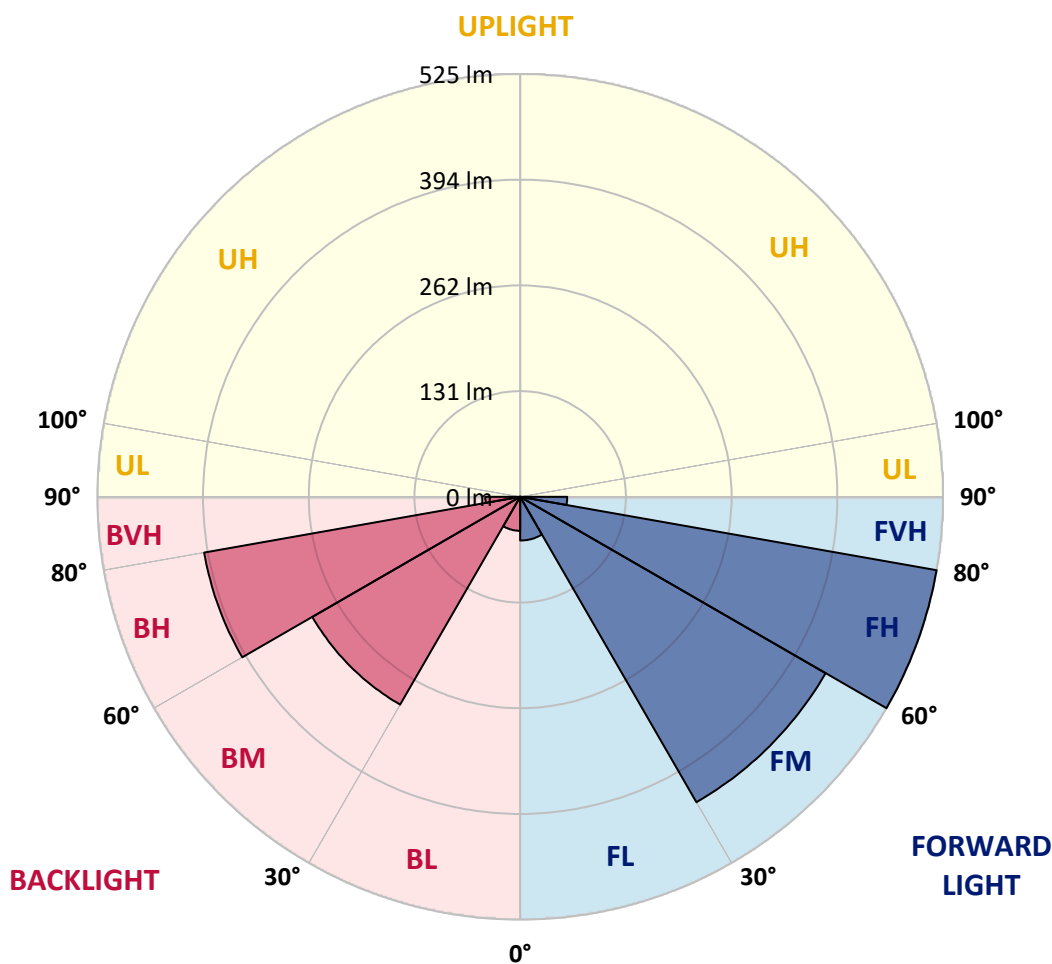
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	54.2	2.9			
FM	(30°-60°)	437.8	23.6			
FH	(60°-80°)	524.9	28.3			G0/660
FVH	(80°-90°)	58.3	3.1			G1/100
BL	(0°-30°)	42.2	2.3	B0/110		
BM	(30°-60°)	297.9	16.0	B1/1000		
BH	(60°-80°)	398.4	21.5	B1/500		G1/500
BVH	(80°-90°)	43.4	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°	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
2.5°	84.4	85.3	85.3	85.3	85.3	85.3	84.4	84.4	84.4	84.4	84.4
5°	88.1	88.1	88.1	88.1	88.1	88.1	88.1	87.2	87.2	87.2	87.2
7.5°	90.0	90.0	90.0	90.9	91.8	91.8	91.8	90.9	90.0	90.0	90.0
10°	90.9	90.9	91.8	92.8	94.6	95.5	95.5	95.5	93.7	93.7	93.7
12.5°	94.6	94.6	94.6	96.5	98.3	100.2	101.1	101.1	98.3	97.4	97.4
15°	98.3	98.3	99.2	101.1	103.9	105.7	105.7	106.7	103.9	101.1	100.2
17.5°	103.9	103.9	104.8	107.6	111.3	112.2	112.2	112.2	109.4	104.8	104.8
20°	112.2	112.2	114.1	116.9	120.6	123.4	126.1	125.2	123.4	117.8	116.9
22.5°	116.9	117.8	120.6	125.2	131.7	136.3	142.8	142.8	141.9	133.6	133.6
25°	121.5	121.5	124.3	131.7	142.8	152.1	164.2	167.0	164.2	154.0	153.0
27.5°	128.0	128.0	131.7	139.1	153.0	170.7	187.4	198.5	195.7	179.9	178.1
30°	135.4	135.4	140.1	150.3	165.1	190.1	216.1	237.4	236.5	217.0	216.1
32.5°	143.8	143.8	148.4	159.5	180.9	208.7	247.6	276.4	281.0	260.6	260.6
35°	154.9	155.8	160.5	170.7	196.6	232.8	281.0	318.1	329.3	310.7	308.9
37.5°	158.6	159.5	167.0	183.6	211.5	262.5	315.4	365.4	385.8	367.3	363.6
40°	161.4	162.3	169.7	190.1	227.2	286.6	351.5	418.3	448.9	431.3	426.7
42.5°	164.2	165.1	172.5	193.8	241.2	307.9	388.6	474.9	518.5	502.7	498.1
45°	164.2	165.1	174.4	197.6	252.3	328.3	428.5	530.5	589.9	580.6	576.9
47.5°	164.2	165.1	175.3	203.1	259.7	352.5	468.4	586.2	658.5	666.0	657.6
50°	168.8	170.7	179.9	206.8	273.6	378.4	507.3	642.8	728.1	743.9	738.3
52.5°	169.7	170.7	181.8	211.5	286.6	402.5	547.2	700.3	801.4	824.6	817.1
55°	176.2	176.2	185.5	218.0	296.8	426.7	589.9	758.7	882.1	906.2	901.5
57.5°	177.2	179.0	187.4	220.7	307.0	452.6	636.3	819.0	957.2	990.6	984.1
60°	174.4	175.3	185.5	218.9	312.6	471.2	674.3	878.4	1023.0	1075.0	1068.5
62.5°	168.8	169.7	179.9	215.2	311.6	478.6	699.3	924.7	1075.0	1146.4	1139.9
65°	162.3	163.2	172.5	206.8	304.2	475.8	706.8	951.6	1112.1	1192.8	1190.0
67°	154.9	155.8	164.2	197.6	294.0	466.5	701.2	955.3	1122.3	1205.8	1203.9
67.5°	152.1	154.0	162.3	194.8	291.2	462.8	697.5	953.5	1122.3	1204.8	1203.9
70°	140.1	141.0	149.3	179.0	272.7	439.6	670.6	923.8	1101.0	1177.0	1178.9
72.5°	125.2	126.1	132.6	160.5	248.6	404.4	625.1	865.4	1037.0	1106.5	1111.2
75°	108.5	109.4	115.0	140.1	214.3	356.2	558.4	773.5	934.9	992.4	991.5
77.5°	90.0	90.0	94.6	114.1	177.2	295.9	470.2	652.0	787.5	832.9	832.9
80°	68.6	69.6	73.3	85.3	133.6	222.6	362.7	507.3	604.7	636.3	643.7
82.5°	45.4	46.4	49.2	54.7	86.3	144.7	237.4	335.8	397.0	412.7	418.3
85°	22.3	20.4	22.3	25.0	37.1	58.4	98.3	132.6	165.1	163.2	172.5
87.5°	3.7	3.7	3.7	3.7	3.7	2.8	2.8	2.8	2.8	1.9	1.9
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°	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
2.5°	84.4	84.4	84.4	84.4	84.4	84.4	84.4	83.5	83.5	83.5	83.5
5°	87.2	86.3	86.3	86.3	85.3	84.4	84.4	83.5	83.5	83.5	82.5
7.5°	90.0	90.0	89.0	87.2	86.3	85.3	85.3	84.4	84.4	84.4	84.4
10°	92.8	92.8	90.9	90.0	88.1	87.2	87.2	86.3	85.3	84.4	84.4
12.5°	96.5	95.5	92.8	90.9	90.0	90.0	88.1	86.3	85.3	84.4	84.4
15°	99.2	98.3	93.7	90.9	90.0	89.0	88.1	86.3	85.3	85.3	85.3
17.5°	103.0	101.1	94.6	91.8	90.0	89.0	89.0	88.1	87.2	86.3	86.3
20°	114.1	111.3	103.0	97.4	93.7	92.8	92.8	90.0	87.2	87.2	87.2
22.5°	128.9	124.3	112.2	103.9	98.3	97.4	94.6	90.9	89.0	88.1	88.1
25°	149.3	141.9	127.1	113.2	104.8	101.1	97.4	93.7	90.9	90.0	90.0
27.5°	171.6	164.2	145.6	127.1	114.1	105.7	101.1	96.5	91.8	90.0	90.0
30°	205.0	193.8	167.9	143.8	123.4	111.3	104.8	98.3	93.7	91.8	91.8
32.5°	245.8	230.0	192.9	163.2	136.3	117.8	107.6	101.1	95.5	93.7	92.8
35°	293.1	273.6	226.3	182.7	148.4	125.2	110.4	103.0	95.5	92.8	92.8
37.5°	349.7	327.4	268.0	209.6	165.1	132.6	114.1	103.9	96.5	94.6	94.6
40°	410.0	385.8	315.4	245.8	184.6	141.9	117.8	105.7	98.3	95.5	95.5
42.5°	479.5	449.8	371.0	285.7	208.7	156.7	123.4	107.6	98.3	95.5	94.6
45°	555.6	522.2	426.7	327.4	239.3	172.5	130.8	107.6	99.2	96.5	95.5
47.5°	636.3	599.2	487.9	373.8	268.0	186.4	137.3	107.6	100.2	96.5	95.5
50°	719.7	679.9	552.8	421.1	300.5	203.1	142.8	108.5	99.2	95.5	94.6
52.5°	804.1	760.6	625.1	472.1	332.0	223.5	149.3	109.4	98.3	95.5	94.6
55°	888.6	838.5	698.4	522.2	365.4	245.8	157.7	109.4	98.3	94.6	93.7
57.5°	967.4	916.4	773.5	570.4	396.0	263.4	163.2	110.4	95.5	91.8	90.9
60°	1051.8	997.1	840.3	616.8	422.0	278.3	167.9	109.4	90.9	90.0	89.0
62.5°	1119.5	1069.4	895.0	653.0	440.6	288.5	172.5	106.7	87.2	86.3	86.3
65°	1169.6	1120.4	937.7	678.9	454.5	294.9	174.4	102.0	81.6	80.7	80.7
67°	1187.2	1138.1	955.3	687.3	457.3	294.0	173.4	98.3	77.0	76.1	76.1
67.5°	1188.1	1139.0	957.2	687.3	457.3	293.1	172.5	98.3	76.1	75.1	75.1
70°	1167.7	1119.5	946.1	675.2	446.1	282.0	164.2	91.8	68.6	67.7	68.6
72.5°	1102.8	1064.8	895.0	642.8	417.4	260.6	152.1	83.5	61.2	60.3	60.3
75°	987.8	953.5	805.1	576.0	372.9	228.2	134.5	75.1	53.8	51.0	51.9
77.5°	829.2	808.8	675.2	488.8	309.8	189.2	112.2	63.1	43.6	40.8	41.7
80°	631.6	618.6	509.2	375.6	230.9	141.0	85.3	50.1	32.5	29.7	31.5
82.5°	406.2	401.6	333.0	239.3	140.1	85.3	53.8	32.5	21.3	18.6	20.4
85°	159.5	162.3	122.4	83.5	49.2	25.0	18.6	13.9	10.2	7.4	7.4
87.5°	0.9	0.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
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)