

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: P553732

Luminaire Tested: **LXS-VA2-740-U-ASC-C**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553732
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-VA2-740-U-ASC-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 4000K LEDS AND TYPE II OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3850 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

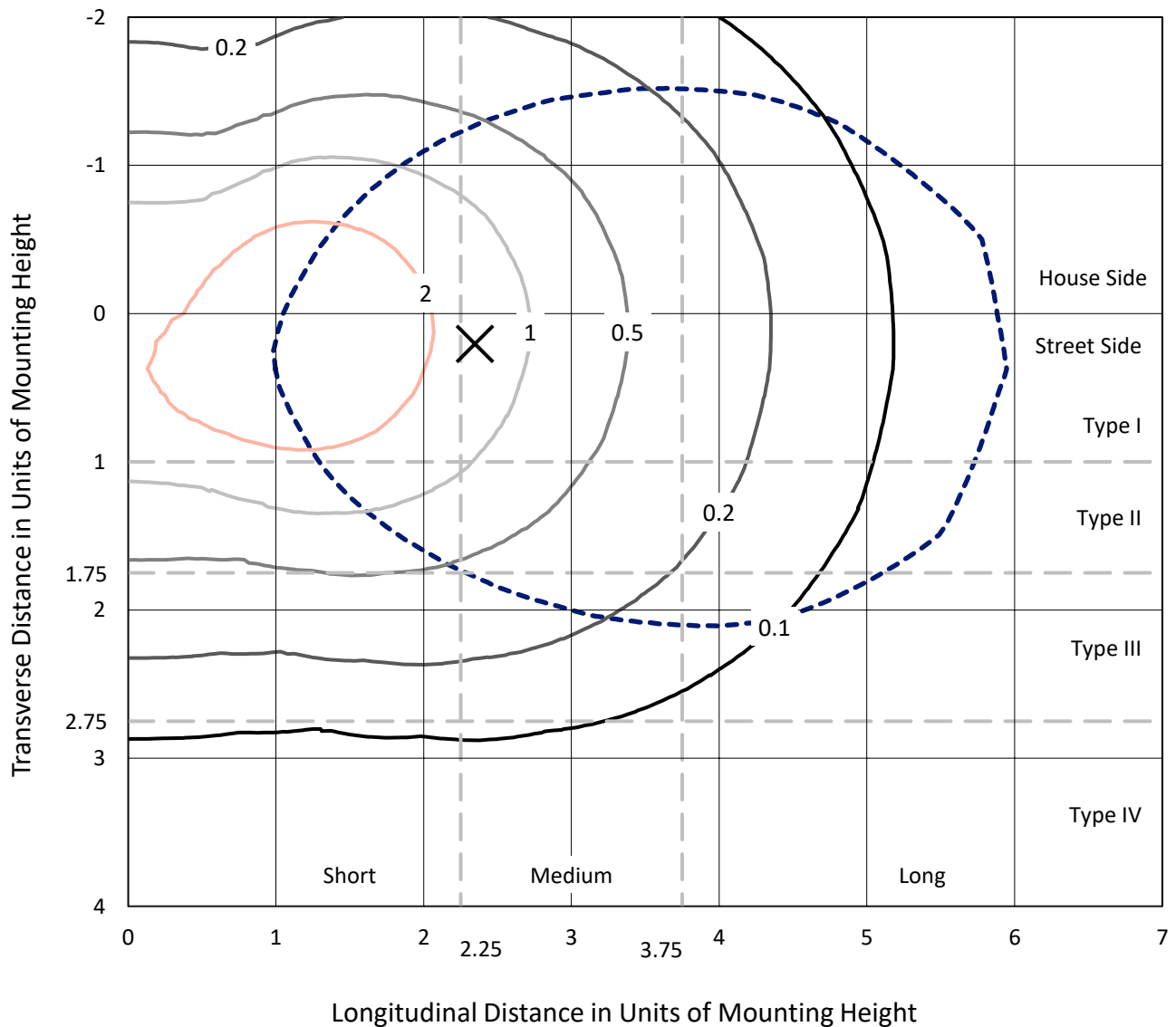
Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

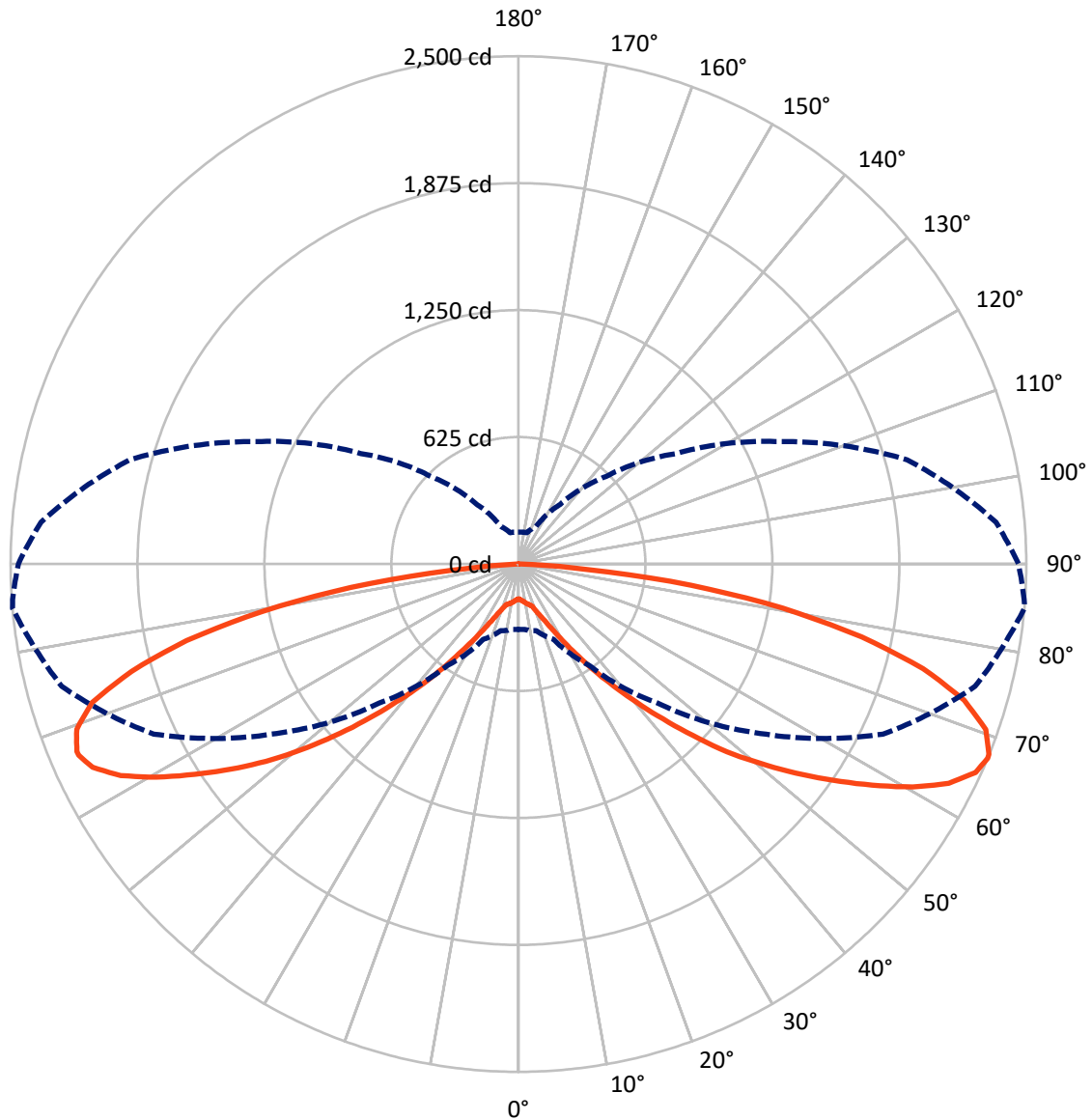
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.3 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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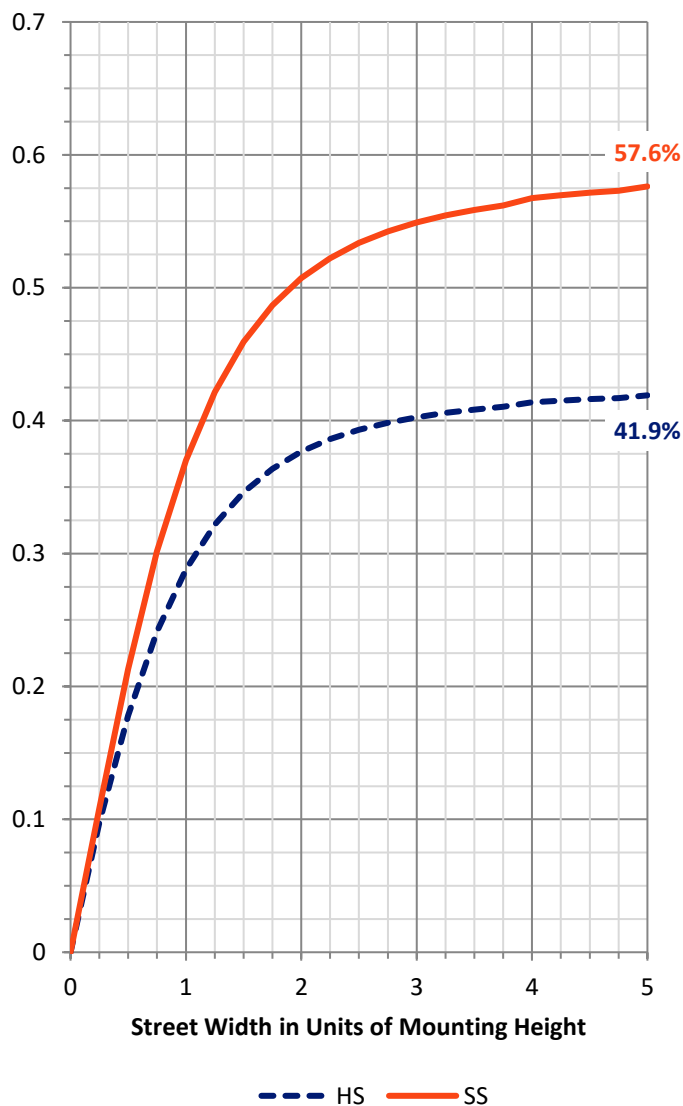
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1620.9	0.0	1620.9
	% Fixture	42.1	0.0	42.1
Street Side	Lumens	2229.1	0.0	2229.1
	% Fixture	57.9	0.0	57.9
Total	Lumens	3850.0	0.0	3850.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.4	0.5
10°-20°	57.6	1.5
20°-30°	124.9	3.2
30°-40°	258.8	6.7
40°-50°	482.7	12.5
50°-60°	783.6	20.4
60°-70°	1035.5	26.9
70°-80°	878.7	22.8
80°-90°	210.8	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°	3850.0	100.0
0°-180°	3850.0	100.0

Coefficient of Utilization



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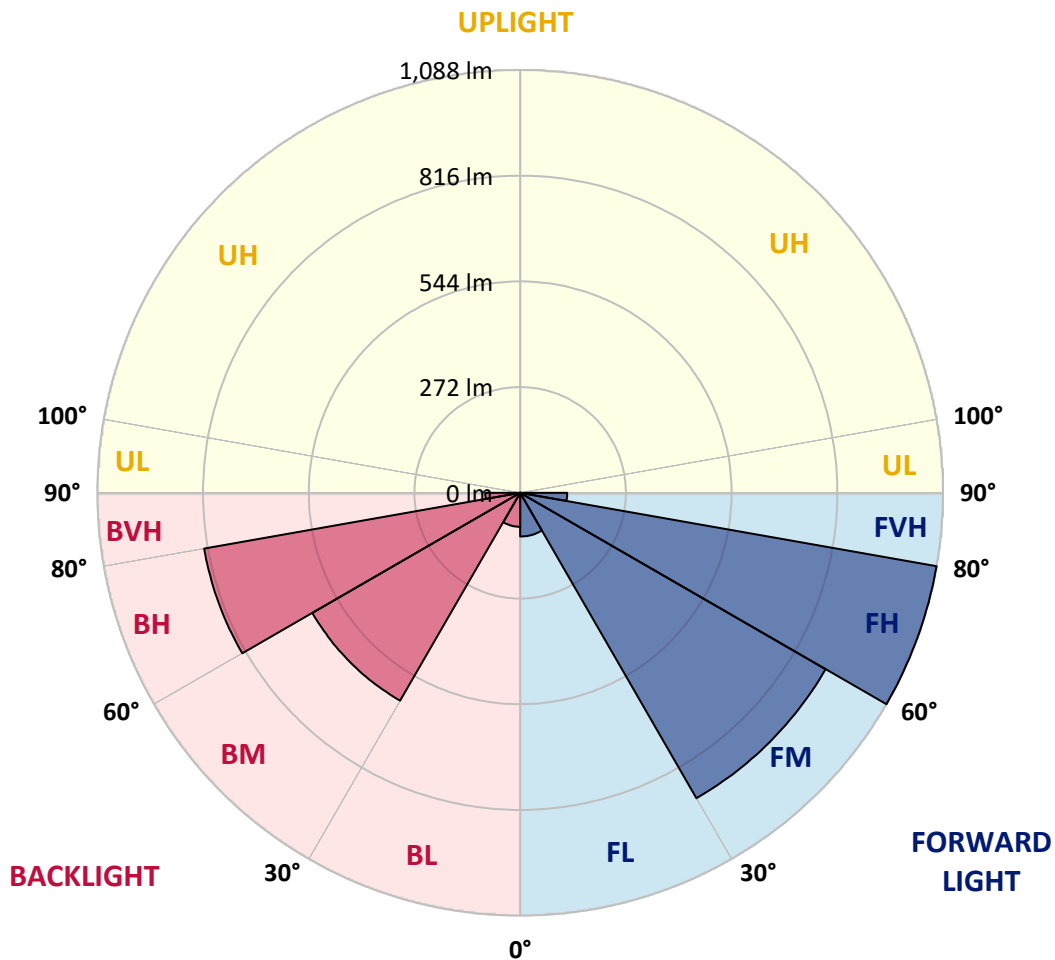
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	112.4	2.9			
FM	(30°-60°)	907.6	23.6			
FH	(60°-80°)	1088.2	28.3			G1/1800
FVH	(80°-90°)	120.9	3.1			G2/225
BL	(0°-30°)	87.4	2.3	B0/110		
BM	(30°-60°)	617.6	16.0	B1/1000		
BH	(60°-80°)	826.0	21.5	B2/1000		G2/1000
BVH	(80°-90°)	89.9	2.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	86°
0°	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1
2.5°	175.0	176.9	176.9	176.9	176.9	176.9	175.0	175.0	175.0	175.0	175.0
5°	182.7	182.7	182.7	182.7	182.7	182.7	182.7	180.8	180.8	180.8	180.8
7.5°	186.5	186.5	186.5	188.4	190.4	190.4	190.4	188.4	186.5	186.5	186.5
10°	188.4	188.4	190.4	192.3	196.1	198.1	198.1	198.1	194.2	194.2	194.2
12.5°	196.1	196.1	196.1	200.0	203.8	207.7	209.6	209.6	203.8	201.9	201.9
15°	203.8	203.8	205.8	209.6	215.4	219.2	219.2	221.1	215.4	209.6	207.7
17.5°	215.4	215.4	217.3	223.1	230.8	232.7	232.7	232.7	226.9	217.3	217.3
20°	232.7	232.7	236.5	242.3	250.0	255.8	261.5	259.6	255.8	244.2	242.3
22.5°	242.3	244.2	250.0	259.6	273.1	282.7	296.1	296.1	294.2	276.9	276.9
25°	251.9	251.9	257.7	273.1	296.1	315.4	340.4	346.1	340.4	319.2	317.3
27.5°	265.4	265.4	273.1	288.4	317.3	353.8	388.4	411.5	405.7	373.1	369.2
30°	280.7	280.7	290.4	311.5	342.3	394.2	448.0	492.3	490.4	450.0	448.0
32.5°	298.1	298.1	307.7	330.7	375.0	432.7	513.4	573.0	582.7	540.3	540.3
35°	321.1	323.1	332.7	353.8	407.7	482.7	582.7	659.6	682.6	644.2	640.3
37.5°	328.8	330.7	346.1	380.7	438.4	544.2	653.8	757.6	799.9	761.5	753.8
40°	334.6	336.5	351.9	394.2	471.1	594.2	728.8	867.2	930.7	894.2	884.6
42.5°	340.4	342.3	357.7	401.9	500.0	638.4	805.7	984.5	1074.9	1042.2	1032.6
45°	340.4	342.3	361.5	409.6	523.0	680.7	888.4	1099.9	1223.0	1203.8	1196.1
47.5°	340.4	342.3	363.4	421.1	538.4	730.7	971.1	1215.3	1365.3	1380.7	1363.4
50°	350.0	353.8	373.1	428.8	567.3	784.6	1051.9	1332.6	1509.5	1542.2	1530.7
52.5°	351.9	353.8	376.9	438.4	594.2	834.6	1134.5	1451.8	1661.4	1709.5	1694.1
55°	365.4	365.4	384.6	451.9	615.3	884.6	1223.0	1573.0	1828.7	1878.7	1869.1
57.5°	367.3	371.1	388.4	457.7	636.5	938.4	1319.1	1698.0	1984.5	2053.7	2040.2
60°	361.5	363.4	384.6	453.8	648.0	976.9	1398.0	1821.0	2121.0	2228.7	2215.2
62.5°	350.0	351.9	373.1	446.1	646.1	992.2	1449.9	1917.2	2228.7	2376.8	2363.3
65°	336.5	338.4	357.7	428.8	630.7	986.5	1465.3	1972.9	2305.6	2472.9	2467.1
67°	321.1	323.1	340.4	409.6	609.6	967.2	1453.7	1980.6	2326.8	2499.8	2496.0
67.5°	315.4	319.2	336.5	403.8	603.8	959.5	1446.1	1976.8	2326.8	2497.9	2496.0
70°	290.4	292.3	309.6	371.1	565.3	911.5	1390.3	1915.3	2282.5	2440.2	2444.1
72.5°	259.6	261.5	275.0	332.7	515.3	838.4	1296.1	1794.1	2149.9	2294.1	2303.7
75°	225.0	226.9	238.4	290.4	444.2	738.4	1157.6	1603.7	1938.3	2057.5	2055.6
77.5°	186.5	186.5	196.1	236.5	367.3	613.4	974.9	1351.8	1632.6	1726.8	1726.8
80°	142.3	144.2	151.9	176.9	276.9	461.5	751.9	1051.9	1253.8	1319.1	1334.5
82.5°	94.2	96.1	101.9	113.5	178.8	300.0	492.3	696.1	823.0	855.7	867.2
85°	46.2	42.3	46.2	51.9	76.9	121.1	203.8	275.0	342.3	338.4	357.7
87.5°	7.7	7.7	7.7	7.7	7.7	5.8	5.8	5.8	5.8	3.8	3.8
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°	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1
2.5°	175.0	175.0	175.0	175.0	175.0	175.0	175.0	173.1	173.1	173.1	173.1
5°	180.8	178.8	178.8	178.8	176.9	175.0	175.0	173.1	173.1	173.1	171.1
7.5°	186.5	186.5	184.6	180.8	178.8	176.9	176.9	175.0	175.0	175.0	175.0
10°	192.3	192.3	188.4	186.5	182.7	180.8	180.8	178.8	176.9	175.0	175.0
12.5°	200.0	198.1	192.3	188.4	186.5	186.5	182.7	178.8	176.9	175.0	175.0
15°	205.8	203.8	194.2	188.4	186.5	184.6	182.7	178.8	176.9	176.9	176.9
17.5°	213.4	209.6	196.1	190.4	186.5	184.6	184.6	182.7	180.8	178.8	178.8
20°	236.5	230.8	213.4	201.9	194.2	192.3	192.3	186.5	180.8	180.8	180.8
22.5°	267.3	257.7	232.7	215.4	203.8	201.9	196.1	188.4	184.6	182.7	182.7
25°	309.6	294.2	263.4	234.6	217.3	209.6	201.9	194.2	188.4	186.5	186.5
27.5°	355.7	340.4	301.9	263.4	236.5	219.2	209.6	200.0	190.4	186.5	186.5
30°	425.0	401.9	348.1	298.1	255.8	230.8	217.3	203.8	194.2	190.4	190.4
32.5°	509.6	476.9	400.0	338.4	282.7	244.2	223.1	209.6	198.1	194.2	192.3
35°	607.7	567.3	469.2	378.8	307.7	259.6	228.8	213.4	198.1	192.3	192.3
37.5°	724.9	678.8	555.7	434.6	342.3	275.0	236.5	215.4	200.0	196.1	196.1
40°	849.9	799.9	653.8	509.6	382.7	294.2	244.2	219.2	203.8	198.1	198.1
42.5°	994.2	932.6	769.2	592.3	432.7	325.0	255.8	223.1	203.8	198.1	196.1
45°	1151.8	1082.6	884.6	678.8	496.1	357.7	271.1	223.1	205.8	200.0	198.1
47.5°	1319.1	1242.2	1011.5	774.9	555.7	386.5	284.6	223.1	207.7	200.0	198.1
50°	1492.2	1409.5	1146.1	873.0	623.0	421.1	296.1	225.0	205.8	198.1	196.1
52.5°	1667.2	1576.8	1296.1	978.8	688.4	463.4	309.6	226.9	203.8	198.1	196.1
55°	1842.2	1738.3	1448.0	1082.6	757.6	509.6	326.9	226.9	203.8	196.1	194.2
57.5°	2005.6	1899.9	1603.7	1182.6	821.1	546.1	338.4	228.8	198.1	190.4	188.4
60°	2180.6	2067.2	1742.2	1278.8	874.9	576.9	348.1	226.9	188.4	186.5	184.6
62.5°	2321.0	2217.2	1855.6	1353.8	913.4	598.0	357.7	221.1	180.8	178.8	178.8
65°	2424.8	2322.9	1944.1	1407.6	942.2	611.5	361.5	211.5	169.2	167.3	167.3
67°	2461.4	2359.5	1980.6	1424.9	948.0	609.6	359.6	203.8	159.6	157.7	157.7
67.5°	2463.3	2361.4	1984.5	1424.9	948.0	607.7	357.7	203.8	157.7	155.8	155.8
70°	2421.0	2321.0	1961.4	1399.9	924.9	584.6	340.4	190.4	142.3	140.4	142.3
72.5°	2286.4	2207.5	1855.6	1332.6	865.3	540.3	315.4	173.1	126.9	125.0	125.0
75°	2047.9	1976.8	1669.1	1194.1	773.0	473.0	278.8	155.8	111.5	105.8	107.7
77.5°	1719.1	1676.8	1399.9	1013.4	642.3	392.3	232.7	130.8	90.4	84.6	86.5
80°	1309.5	1282.6	1055.7	778.8	478.8	292.3	176.9	103.8	67.3	61.5	65.4
82.5°	842.2	832.6	690.3	496.1	290.4	176.9	111.5	67.3	44.2	38.5	42.3
85°	330.7	336.5	253.8	173.1	101.9	51.9	38.5	28.8	21.2	15.4	15.4
87.5°	1.9	1.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
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)