

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: P553743

Luminaire Tested: **LXS-VA2-830-U-ASC-A**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553743
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-VA2-830-U-ASC-A
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE II OPTIC, ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3374 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

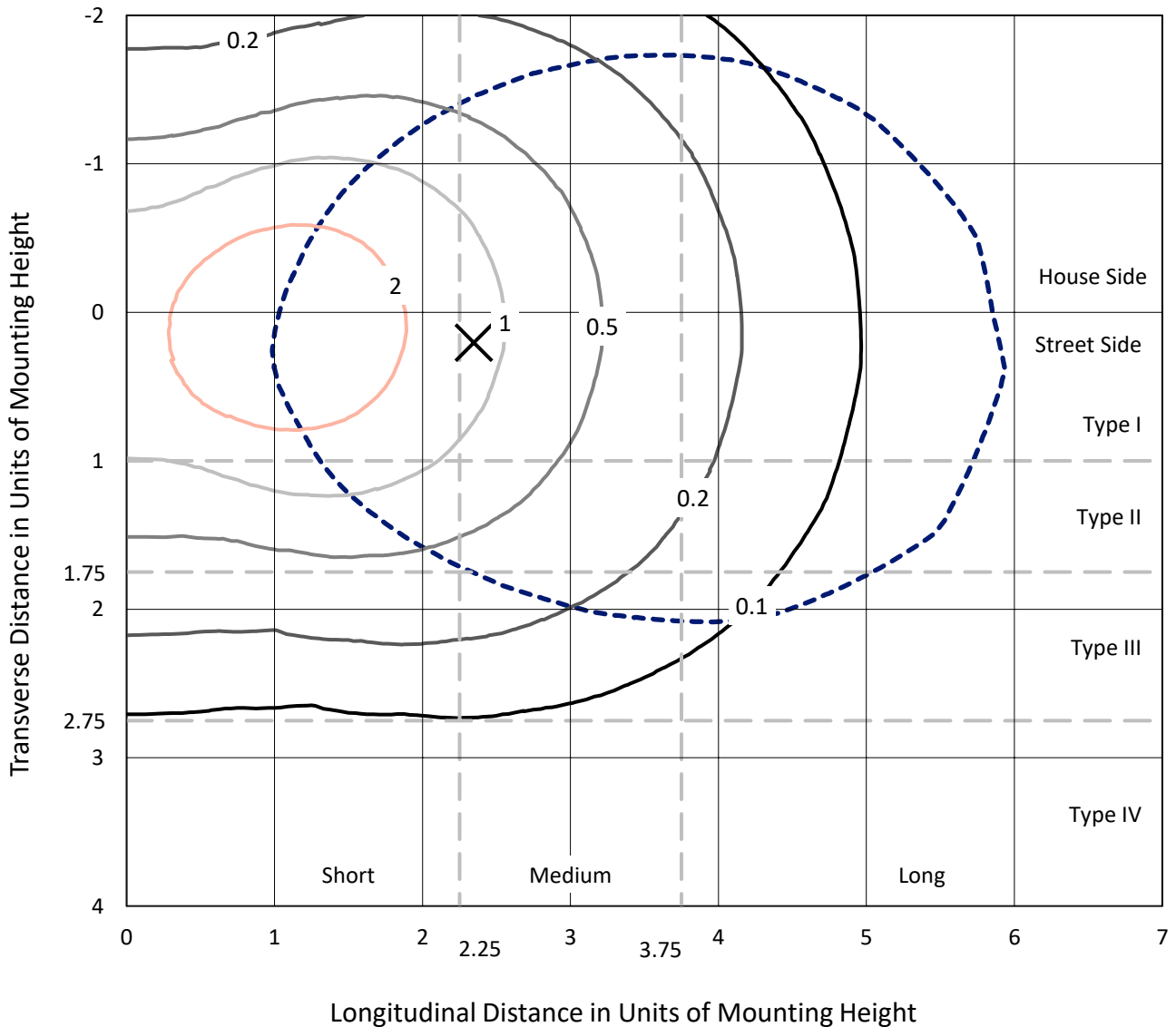
Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P553743
 CATALOG NUMBER: LXS-VA2-830-U-ASC-A

Iso-Footcandle Lines of Horizontal Illumination

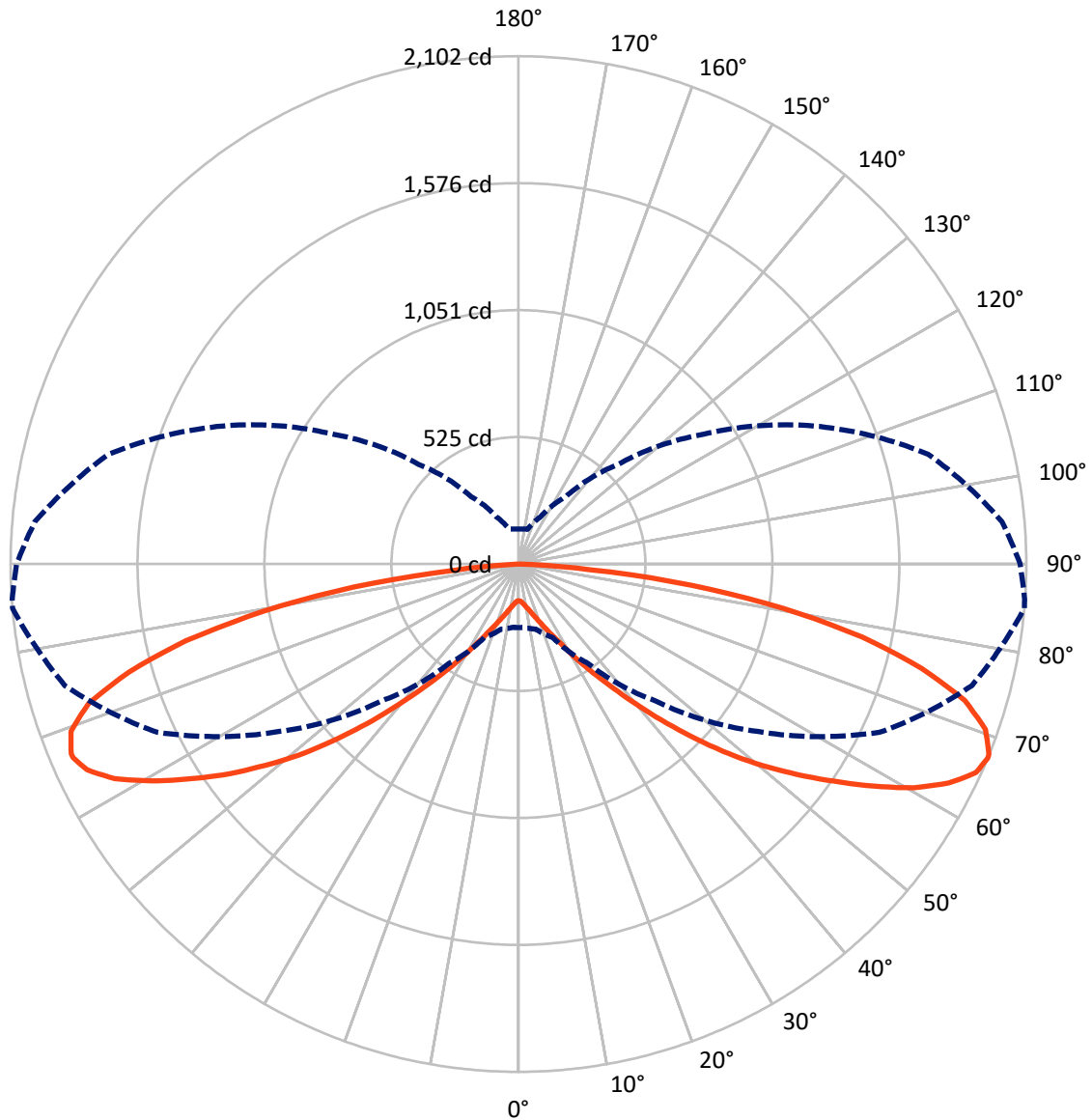
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P553743
CATALOG NUMBER: LXS-VA2-830-U-ASC-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P553743

CATALOG NUMBER: LXS-VA2-830-U-ASC-A

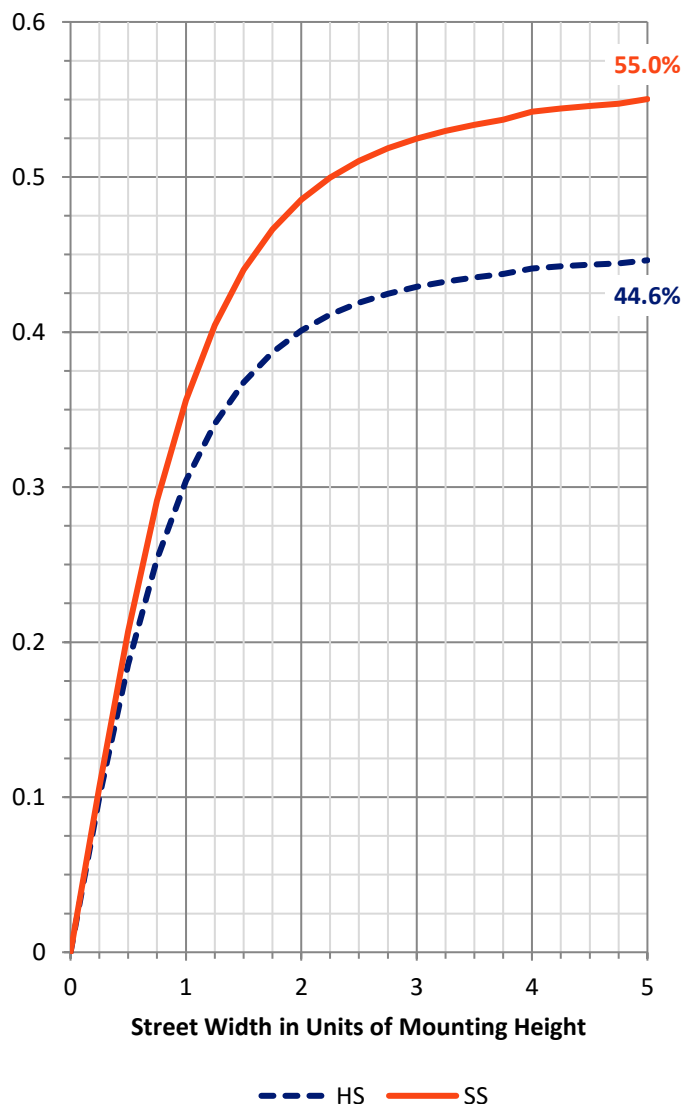
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1509.9	0.0	1509.9
	% Fixture	44.8	0.0	44.8
Street Side	Lumens	1864.1	0.0	1864.1
	% Fixture	55.2	0.0	55.2
Total	Lumens	3374.0	0.0	3374.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	0.5
10°-20°	55.2	1.6
20°-30°	120.3	3.6
30°-40°	237.0	7.0
40°-50°	428.5	12.7
50°-60°	684.3	20.3
60°-70°	898.1	26.6
70°-80°	758.3	22.5
80°-90°	176.8	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°	3374.0	100.0
0°-180°	3374.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553743

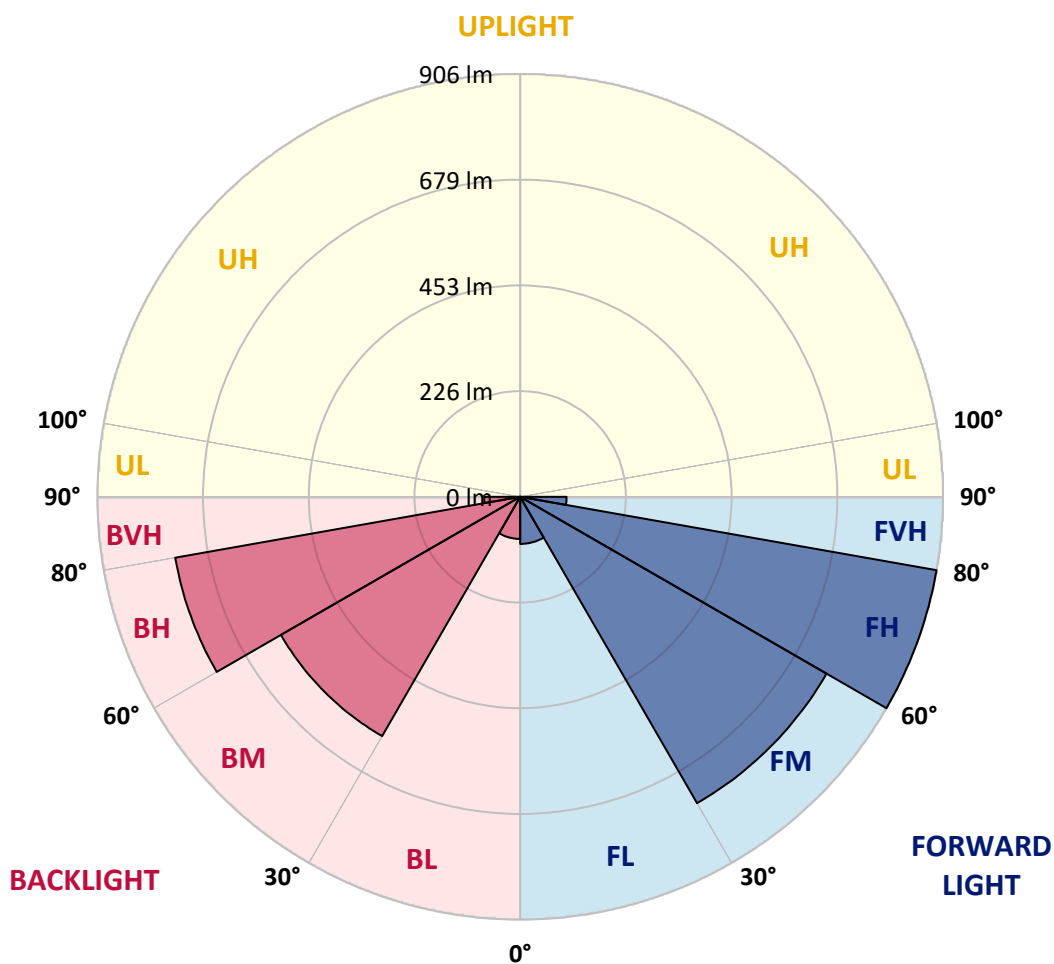
CATALOG NUMBER: LXS-VA2-830-U-ASC-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	100.9	3.0			
FM (30°-60°)	757.9	22.5			
FH (60°-80°)	905.9	26.9			G1/1800
FVH (80°-90°)	99.5	2.9			G1/100
BL (0°-30°)	90.2	2.7	B0/110		
BM (30°-60°)	591.9	17.5	B1/1000		
BH (60°-80°)	750.5	22.2	B2/1000		G2/1000
BVH (80°-90°)	77.3	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





REPORT NUMBER: P553743
 CATALOG NUMBER: LXS-VA2-830-U-ASC-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	86°
0°	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3
2.5°	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9
5°	157.1	157.1	157.1	158.7	158.7	160.3	160.3	160.3	160.3	160.3	160.3
7.5°	158.7	158.7	160.3	161.9	165.1	166.7	168.3	168.3	168.3	169.9	169.9
10°	160.3	160.3	161.9	165.1	169.9	174.8	178.0	179.6	181.2	181.2	181.2
12.5°	165.1	165.1	166.7	169.9	176.4	182.8	189.2	194.0	195.6	195.6	195.6
15°	173.1	173.1	174.8	179.6	186.0	194.0	202.0	210.0	213.2	213.2	213.2
17.5°	184.4	184.4	186.0	190.8	198.8	210.0	219.6	229.3	234.1	234.1	234.1
20°	198.8	198.8	200.4	206.8	214.8	227.7	242.1	253.3	261.3	259.7	259.7
22.5°	206.8	206.8	211.6	221.2	232.5	246.9	269.3	283.8	293.4	290.2	288.6
25°	213.2	213.2	218.0	230.9	251.7	270.9	301.4	320.6	331.9	327.1	325.5
27.5°	221.2	222.8	229.3	242.1	267.7	299.8	333.5	367.1	376.8	371.9	370.3
30°	229.3	229.3	238.9	258.1	287.0	330.3	375.2	429.7	439.3	432.9	426.5
32.5°	242.1	242.1	250.1	272.5	312.6	362.3	429.7	487.4	505.0	501.8	498.6
35°	261.3	261.3	269.3	290.2	338.3	400.8	489.0	554.7	586.8	577.2	575.6
37.5°	267.7	269.3	280.6	309.4	360.7	448.9	549.9	633.3	679.8	668.5	663.7
40°	272.5	274.2	285.4	320.6	384.8	490.6	610.8	724.7	780.8	776.0	766.3
42.5°	275.8	277.4	290.2	327.1	408.8	525.9	675.0	824.1	897.8	901.0	894.6
45°	275.8	277.4	295.0	335.1	426.5	562.7	740.7	925.1	1026.1	1034.1	1026.1
47.5°	275.8	277.4	295.0	343.1	440.9	601.2	808.0	1016.4	1149.5	1173.6	1162.3
50°	285.4	287.0	303.0	351.1	464.9	646.1	877.0	1111.0	1271.4	1311.4	1301.8
52.5°	285.4	288.6	306.2	359.1	487.4	687.8	944.3	1210.4	1391.6	1447.7	1431.7
55°	296.6	298.2	312.6	370.3	506.6	727.9	1014.8	1308.2	1526.3	1587.2	1579.2
57.5°	299.8	301.4	317.4	375.2	522.6	772.8	1093.4	1410.8	1665.7	1734.7	1723.5
60°	293.4	295.0	314.2	371.9	533.9	808.0	1162.3	1513.4	1779.6	1880.6	1869.4
62.5°	285.4	287.0	304.6	365.5	532.3	820.8	1207.2	1593.6	1864.5	1997.6	1986.4
65°	275.8	275.8	291.8	352.7	517.8	816.0	1220.0	1643.3	1923.9	2081.0	2074.6
67°	262.9	262.9	279.0	335.1	501.8	800.0	1208.8	1648.1	1943.1	2101.8	2100.2
67.5°	258.1	259.7	274.2	331.9	497.0	793.6	1204.0	1644.9	1944.7	2100.2	2100.2
70°	237.3	238.9	251.7	304.6	466.5	753.5	1152.7	1595.2	1906.2	2050.5	2055.3
72.5°	213.2	213.2	224.5	272.5	421.6	695.8	1075.8	1492.6	1797.2	1931.9	1936.7
75°	184.4	184.4	194.0	235.7	365.5	612.4	961.9	1337.1	1616.0	1723.5	1739.5
77.5°	152.3	153.9	158.7	192.4	299.8	509.8	808.0	1128.7	1365.9	1455.7	1463.7
80°	115.4	117.0	120.2	142.7	226.1	383.2	617.2	868.9	1050.1	1112.6	1120.6
82.5°	75.4	77.0	78.6	89.8	144.3	248.5	399.2	570.7	692.6	721.4	729.5
85°	32.1	32.1	33.7	38.5	60.9	101.0	165.1	234.1	290.2	298.2	298.2
87.5°	1.6	1.6	0.0	0.0	1.6	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



REPORT NUMBER: P553743
 CATALOG NUMBER: LXS-VA2-830-U-ASC-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3
2.5°	153.9	153.9	155.5	155.5	155.5	155.5	155.5	155.5	155.5	155.5	155.5
5°	160.3	160.3	160.3	160.3	160.3	158.7	157.1	157.1	155.5	155.5	155.5
7.5°	169.9	169.9	168.3	166.7	163.5	161.9	160.3	160.3	158.7	158.7	158.7
10°	181.2	181.2	179.6	174.8	171.5	169.9	166.7	163.5	161.9	160.3	160.3
12.5°	195.6	195.6	192.4	186.0	182.8	178.0	171.5	166.7	163.5	161.9	161.9
15°	213.2	213.2	206.8	200.4	194.0	184.4	176.4	171.5	166.7	165.1	165.1
17.5°	234.1	232.5	224.5	218.0	206.8	194.0	184.4	178.0	171.5	168.3	166.7
20°	258.1	256.5	245.3	235.7	219.6	205.2	192.4	181.2	171.5	168.3	168.3
22.5°	285.4	283.8	270.9	256.5	234.1	218.0	198.8	184.4	174.8	171.5	171.5
25°	320.6	317.4	298.2	279.0	253.3	230.9	206.8	190.8	179.6	173.1	171.5
27.5°	363.9	359.1	333.5	307.8	275.8	242.1	214.8	194.0	179.6	173.1	171.5
30°	418.4	410.4	376.8	338.3	299.8	258.1	226.1	197.2	182.8	176.4	174.8
32.5°	484.2	472.9	429.7	375.2	325.5	277.4	232.5	203.6	186.0	176.4	176.4
35°	559.5	543.5	489.0	421.6	354.3	296.6	243.7	208.4	186.0	176.4	174.8
37.5°	646.1	625.3	557.9	476.2	389.6	314.2	254.9	211.6	187.6	179.6	178.0
40°	748.7	721.4	634.9	537.1	432.9	336.7	266.1	218.0	192.4	181.2	179.6
42.5°	868.9	835.3	723.1	602.8	479.4	363.9	277.4	224.5	192.4	179.6	179.6
45°	998.8	960.3	820.8	673.4	527.5	392.8	290.2	227.7	194.0	182.8	181.2
47.5°	1136.7	1095.0	929.9	750.3	575.6	418.4	304.6	230.9	197.2	182.8	181.2
50°	1277.8	1232.9	1046.9	835.3	628.5	447.3	314.2	235.7	195.6	181.2	179.6
52.5°	1420.5	1364.3	1178.4	933.1	689.4	477.8	323.9	238.9	195.6	181.2	179.6
55°	1566.3	1503.8	1309.8	1026.1	750.3	511.4	336.7	238.9	195.6	179.6	178.0
57.5°	1707.4	1633.7	1434.9	1123.9	808.0	538.7	346.3	240.5	192.4	174.8	173.1
60°	1843.7	1768.3	1553.5	1213.6	857.7	557.9	349.5	238.9	187.6	171.5	169.9
62.5°	1963.9	1891.8	1651.3	1285.8	897.8	575.6	349.5	232.5	179.6	165.1	163.5
65°	2047.3	1978.4	1726.7	1335.5	926.7	585.2	346.3	224.5	166.7	155.5	153.9
67°	2076.2	2008.8	1755.5	1351.5	936.3	583.6	339.9	214.8	149.1	145.9	144.3
67.5°	2077.8	2010.4	1757.1	1353.1	936.3	582.0	336.7	213.2	142.7	142.7	142.7
70°	2040.9	1976.8	1733.1	1332.3	917.0	559.5	315.8	198.8	120.2	126.7	129.9
72.5°	1925.5	1871.0	1640.1	1264.9	864.1	521.0	288.6	174.8	101.0	112.2	115.4
75°	1723.5	1672.2	1463.7	1136.7	774.4	463.3	253.3	142.7	80.2	96.2	97.8
77.5°	1442.9	1410.8	1232.9	965.1	647.7	384.8	205.2	104.2	62.5	77.0	80.2
80°	1095.0	1072.6	936.3	737.5	485.8	285.4	139.5	65.7	46.5	57.7	59.3
82.5°	700.6	689.4	599.6	469.7	290.2	163.5	68.9	30.5	25.7	35.3	36.9
85°	275.8	261.3	221.2	165.1	94.6	44.9	14.4	8.0	9.6	6.4	4.8
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)