

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: P553745

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-15-R2)
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-S
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE II OPTIC, SPIDER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3083 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

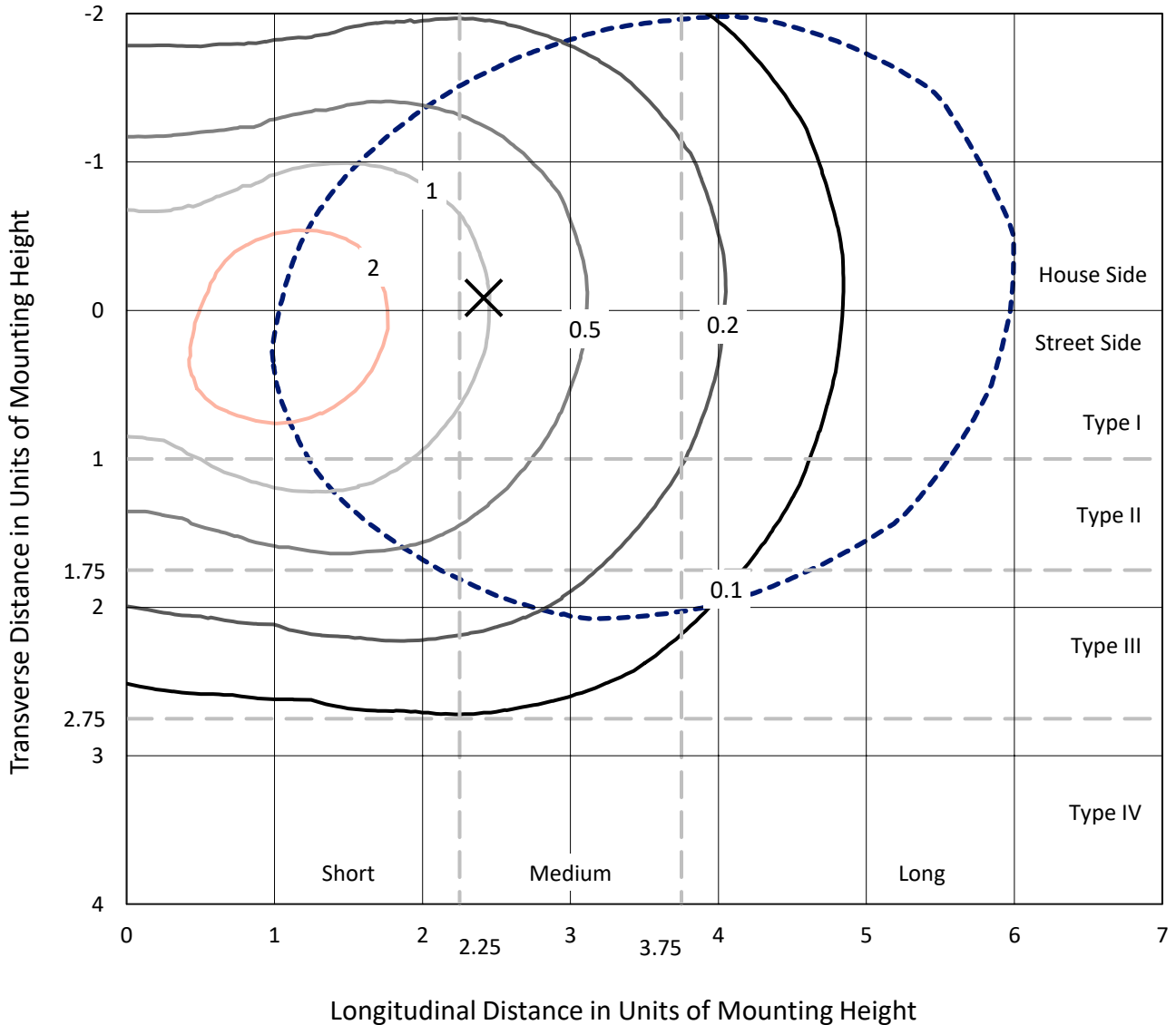
Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

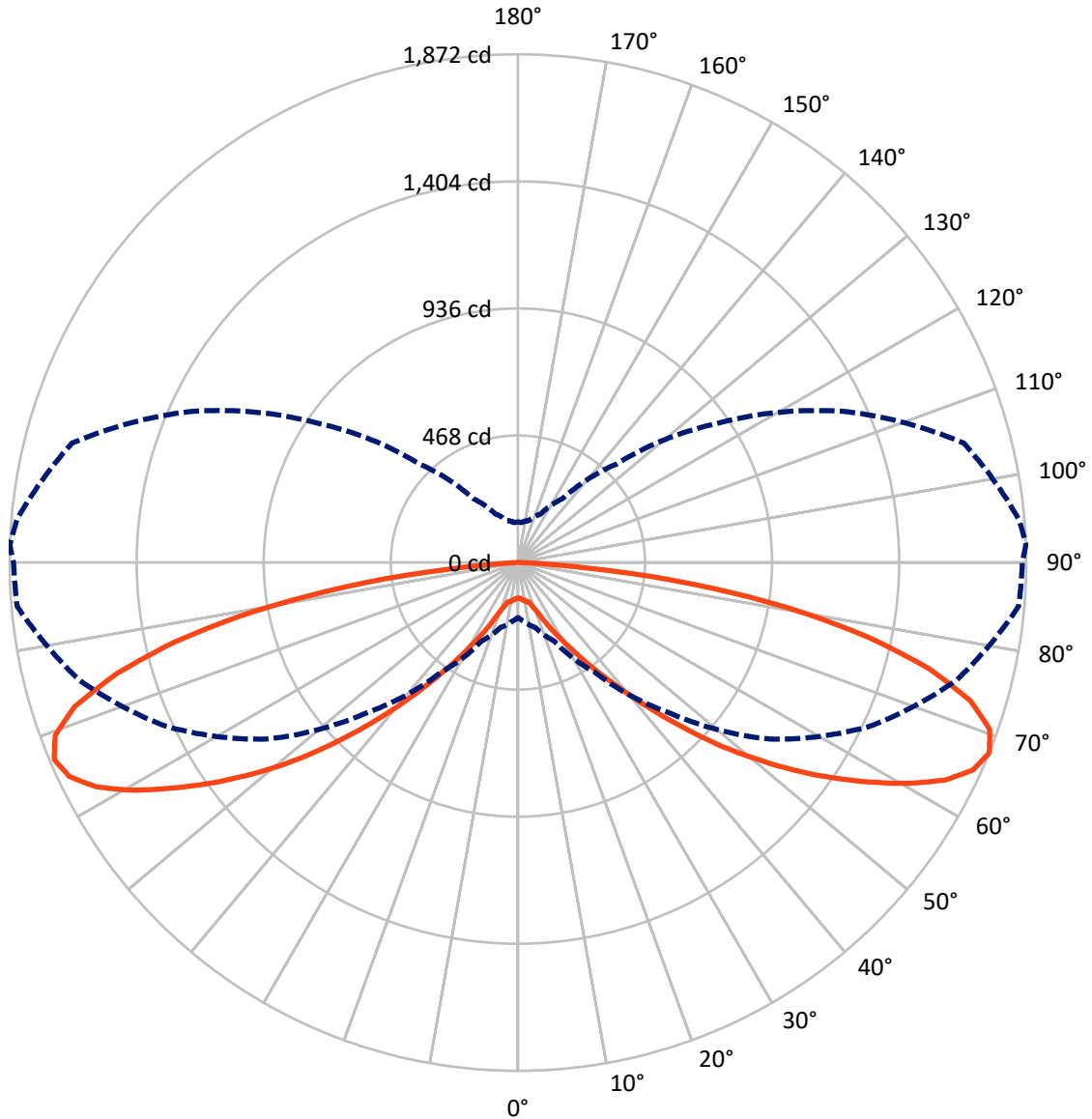
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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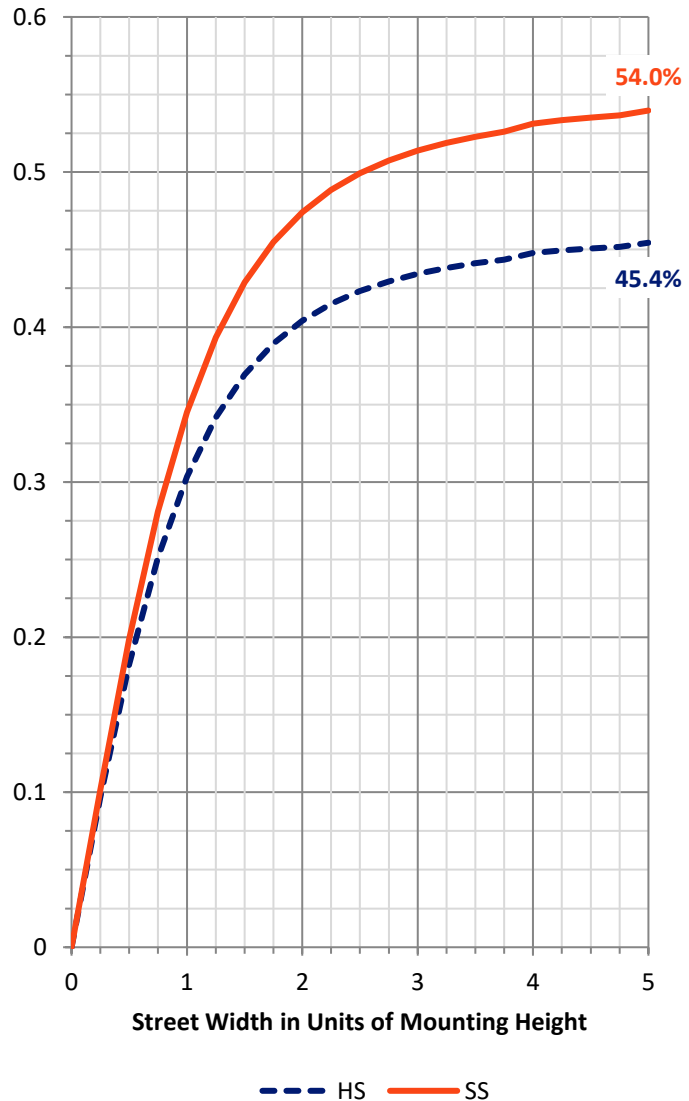
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1410.4	0.0	1410.4
	% Fixture	45.7	0.0	45.7
Street Side	Lumens	1672.6	0.0	1672.6
	% Fixture	54.3	0.0	54.3
Total	Lumens	3083.0	0.0	3083.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	0.4
10°-20°	43.4	1.4
20°-30°	98.4	3.2
30°-40°	209.3	6.8
40°-50°	388.7	12.6
50°-60°	626.8	20.3
60°-70°	825.3	26.8
70°-80°	703.3	22.8
80°-90°	174.7	5.7
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°	3083.0	100.0
0°-180°	3083.0	100.0

Coefficient of Utilization



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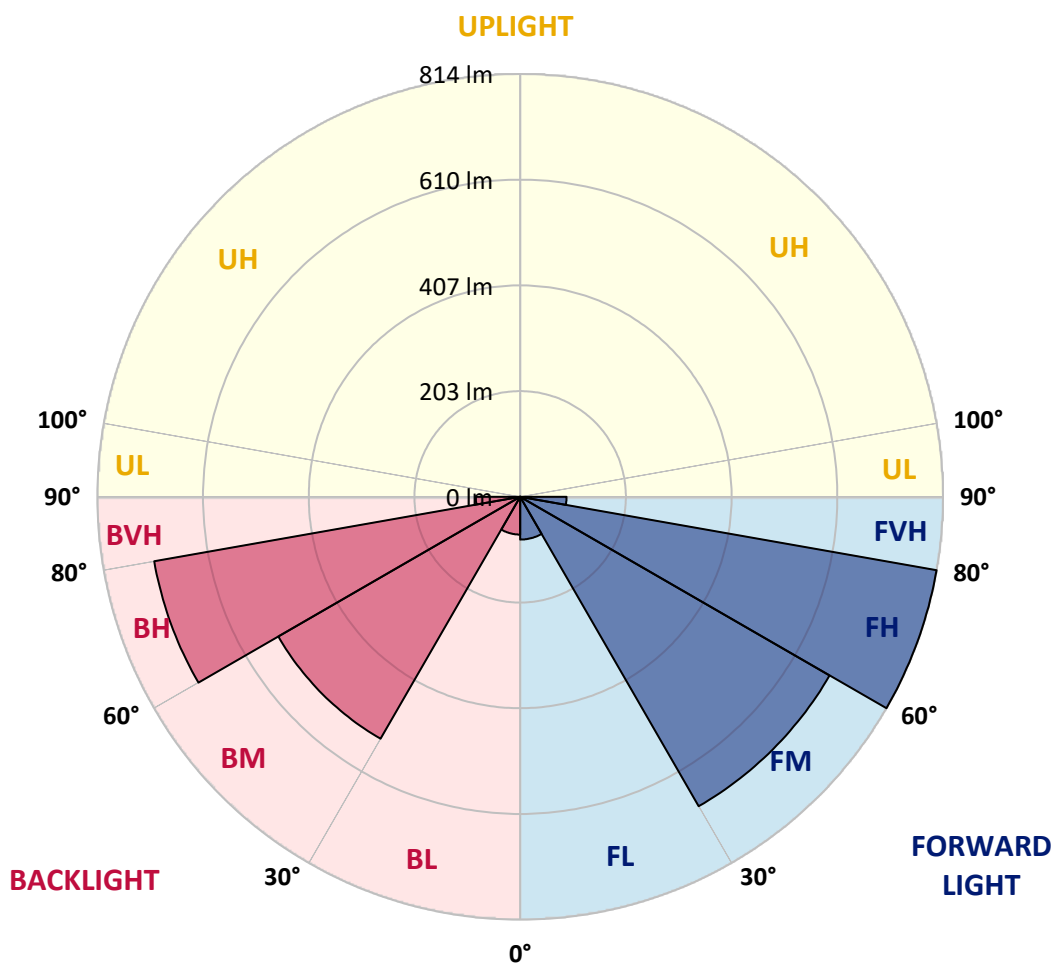
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	82.3	2.7			
FM (30°-60°)	687.4	22.3			
FH (60°-80°)	813.6	26.4			G1/1800
FVH (80°-90°)	89.3	2.9			G1/100
BL (0°-30°)	72.7	2.4	B0/110		
BM (30°-60°)	537.4	17.4	B1/1000		
BH (60°-80°)	715.0	23.2	B2/1000		G2/1000
BVH (80°-90°)	85.4	2.8			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2
2.5°	131.8	131.8	131.8	131.8	133.5	133.5	131.8	131.8	131.8	131.8	131.8
5°	136.7	135.1	136.7	136.7	136.7	136.7	135.1	135.1	135.1	135.1	135.1
7.5°	138.3	138.3	138.3	138.3	139.9	139.9	139.9	138.3	138.3	138.3	139.9
10°	138.3	139.9	139.9	141.5	143.1	144.7	144.7	143.1	143.1	143.1	143.1
12.5°	143.1	143.1	143.1	144.7	147.9	147.9	149.5	149.5	147.9	146.3	147.9
15°	147.9	147.9	149.5	151.1	154.4	154.4	154.4	154.4	152.8	151.1	149.5
17.5°	156.0	156.0	159.2	160.8	165.6	167.2	168.8	170.4	168.8	165.6	165.6
20°	167.2	167.2	170.4	173.7	176.9	181.7	184.9	184.9	184.9	184.9	184.9
22.5°	172.0	173.7	178.5	186.5	193.0	199.4	204.2	209.0	215.5	215.5	213.9
25°	176.9	178.5	186.5	196.2	210.6	223.5	239.6	255.7	263.7	257.3	255.7
27.5°	184.9	186.5	194.6	207.4	226.7	255.7	287.8	313.5	320.0	303.9	299.1
30°	189.7	191.3	204.2	220.3	242.8	292.6	340.9	374.6	376.3	357.0	348.9
32.5°	201.0	202.6	213.9	233.1	270.1	334.4	402.0	439.0	447.0	424.5	411.6
35°	215.5	217.1	228.3	249.2	302.3	382.7	463.1	501.7	521.0	501.7	482.4
37.5°	220.3	223.5	236.4	265.3	332.8	434.1	522.6	574.0	606.2	586.9	566.0
40°	225.1	226.7	239.6	279.8	361.8	479.2	582.1	657.6	701.1	683.4	664.1
42.5°	228.3	229.9	242.8	291.0	389.1	514.5	643.2	746.1	804.0	794.3	773.4
45°	228.3	229.9	246.0	303.9	413.2	551.5	705.9	832.9	913.3	913.3	889.2
47.5°	229.9	229.9	246.0	316.8	432.5	591.7	770.2	914.9	1017.8	1041.9	1011.4
50°	234.8	236.4	255.7	326.4	458.3	636.7	840.9	1000.1	1123.9	1162.5	1143.2
52.5°	234.8	234.8	262.1	339.3	480.8	673.7	902.0	1087.0	1233.3	1279.9	1271.9
55°	241.2	242.8	270.1	353.7	498.5	713.9	966.4	1173.8	1342.6	1402.1	1400.5
57.5°	239.6	244.4	276.6	360.2	516.1	760.5	1041.9	1257.4	1453.6	1532.3	1522.7
60°	233.1	239.6	276.6	360.2	527.4	792.7	1106.3	1341.0	1545.2	1659.4	1646.5
62.5°	225.1	233.1	270.1	353.7	525.8	805.6	1143.2	1403.7	1617.6	1765.5	1754.2
65°	215.5	228.3	260.5	339.3	512.9	800.7	1152.9	1435.9	1662.6	1833.0	1828.2
67.5°	202.6	215.5	247.6	320.0	492.0	778.2	1133.6	1427.8	1672.2	1850.7	1857.1
70°	188.1	199.4	228.3	295.9	461.5	739.6	1088.6	1374.8	1630.4	1807.3	1826.6
72.5°	173.7	180.1	205.8	263.7	416.5	681.8	1011.4	1278.3	1532.3	1698.0	1726.9
75°	156.0	159.2	180.1	228.3	360.2	603.0	903.7	1127.2	1363.5	1521.1	1542.0
77.5°	133.5	133.5	151.1	186.5	297.5	501.7	758.9	947.1	1151.3	1275.1	1307.2
80°	107.7	106.1	115.8	141.5	221.9	377.9	582.1	718.7	881.1	974.4	1000.1
82.5°	77.2	75.6	78.8	90.0	141.5	247.6	377.9	463.1	574.0	631.9	648.0
85°	40.2	40.2	40.2	43.4	59.5	101.3	154.4	170.4	242.8	250.8	262.1
87.5°	9.6	9.6	9.6	8.0	6.4	6.4	4.8	4.8	4.8	4.8	3.2
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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2
2.5°	131.8	131.8	131.8	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5
5°	135.1	136.7	136.7	136.7	136.7	135.1	135.1	135.1	133.5	133.5	133.5
7.5°	139.9	139.9	139.9	138.3	138.3	138.3	136.7	136.7	136.7	136.7	136.7
10°	143.1	143.1	143.1	141.5	141.5	141.5	141.5	139.9	138.3	138.3	138.3
12.5°	147.9	147.9	146.3	144.7	144.7	144.7	143.1	139.9	138.3	138.3	138.3
15°	151.1	149.5	147.9	146.3	146.3	146.3	143.1	141.5	139.9	138.3	138.3
17.5°	165.6	164.0	160.8	156.0	154.4	152.8	149.5	146.3	143.1	139.9	139.9
20°	186.5	183.3	178.5	168.8	162.4	160.8	159.2	149.5	141.5	138.3	138.3
22.5°	215.5	213.9	199.4	186.5	176.9	172.0	167.2	156.0	146.3	139.9	138.3
25°	254.1	246.0	228.3	210.6	196.2	183.3	176.9	165.6	154.4	147.9	147.9
27.5°	295.9	287.8	265.3	244.4	221.9	196.2	186.5	172.0	160.8	159.2	159.2
30°	345.7	336.1	308.7	278.2	246.0	210.6	194.6	175.3	167.2	168.8	170.4
32.5°	405.2	392.3	355.4	318.4	273.3	228.3	201.0	181.7	173.7	175.3	175.3
35°	477.6	461.5	416.5	363.4	300.7	246.0	207.4	189.7	178.5	175.3	175.3
37.5°	556.3	538.7	485.6	419.7	334.4	260.5	217.1	194.6	183.3	178.5	178.5
40°	652.8	628.7	561.2	480.8	373.0	279.8	226.7	202.6	189.7	180.1	180.1
42.5°	760.5	734.8	649.6	546.7	418.1	303.9	236.4	212.2	189.7	180.1	180.1
45°	879.5	850.6	749.3	619.0	464.7	328.0	247.6	215.5	191.3	181.7	181.7
47.5°	1011.4	982.4	860.2	697.8	511.3	350.5	260.5	220.3	194.6	183.3	183.3
50°	1136.8	1109.5	980.8	784.7	562.8	373.0	270.1	226.7	193.0	181.7	180.1
52.5°	1268.7	1233.3	1106.3	876.3	622.3	402.0	279.8	228.3	193.0	181.7	181.7
55°	1397.3	1357.1	1238.1	974.4	683.4	434.1	291.0	228.3	193.0	180.1	180.1
57.5°	1524.3	1484.1	1366.7	1074.1	741.3	459.9	299.1	228.3	189.7	176.9	176.9
60°	1651.3	1614.4	1485.7	1165.7	794.3	480.8	302.3	226.7	184.9	173.7	172.0
62.5°	1763.9	1730.1	1587.0	1241.3	840.9	498.5	300.7	218.7	180.1	167.2	167.2
65°	1841.1	1813.7	1662.6	1294.4	876.3	511.3	297.5	209.0	172.0	159.2	157.6
67.5°	1871.6	1850.7	1699.6	1318.5	892.4	512.9	287.8	197.8	160.8	147.9	149.5
70°	1842.7	1826.6	1683.5	1305.6	882.7	498.5	271.7	183.3	147.9	136.7	136.7
72.5°	1741.4	1733.3	1596.7	1244.5	837.7	467.9	247.6	164.0	133.5	122.2	123.8
75°	1566.1	1566.1	1442.3	1133.6	758.9	421.3	218.7	141.5	117.4	107.7	107.7
77.5°	1316.9	1323.3	1215.6	964.8	646.4	357.0	183.3	119.0	98.1	90.0	90.0
80°	1006.6	1011.4	929.4	755.7	506.5	281.4	141.5	91.7	75.6	69.1	70.7
82.5°	648.0	652.8	601.4	498.5	342.5	193.0	98.1	62.7	53.1	48.2	48.2
85°	255.7	263.7	241.2	202.6	157.6	96.5	49.8	32.2	30.6	25.7	24.1
87.5°	4.8	4.8	6.4	9.6	12.9	12.9	9.6	8.0	8.0	9.6	8.0
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)