

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: P553721

Luminaire Tested: **LXS-VA2-730-U-ASC-S**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553721
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-VA2-730-U-ASC-S
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 3000K LEDS AND TYPE II OPTIC, SPIDER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3417 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

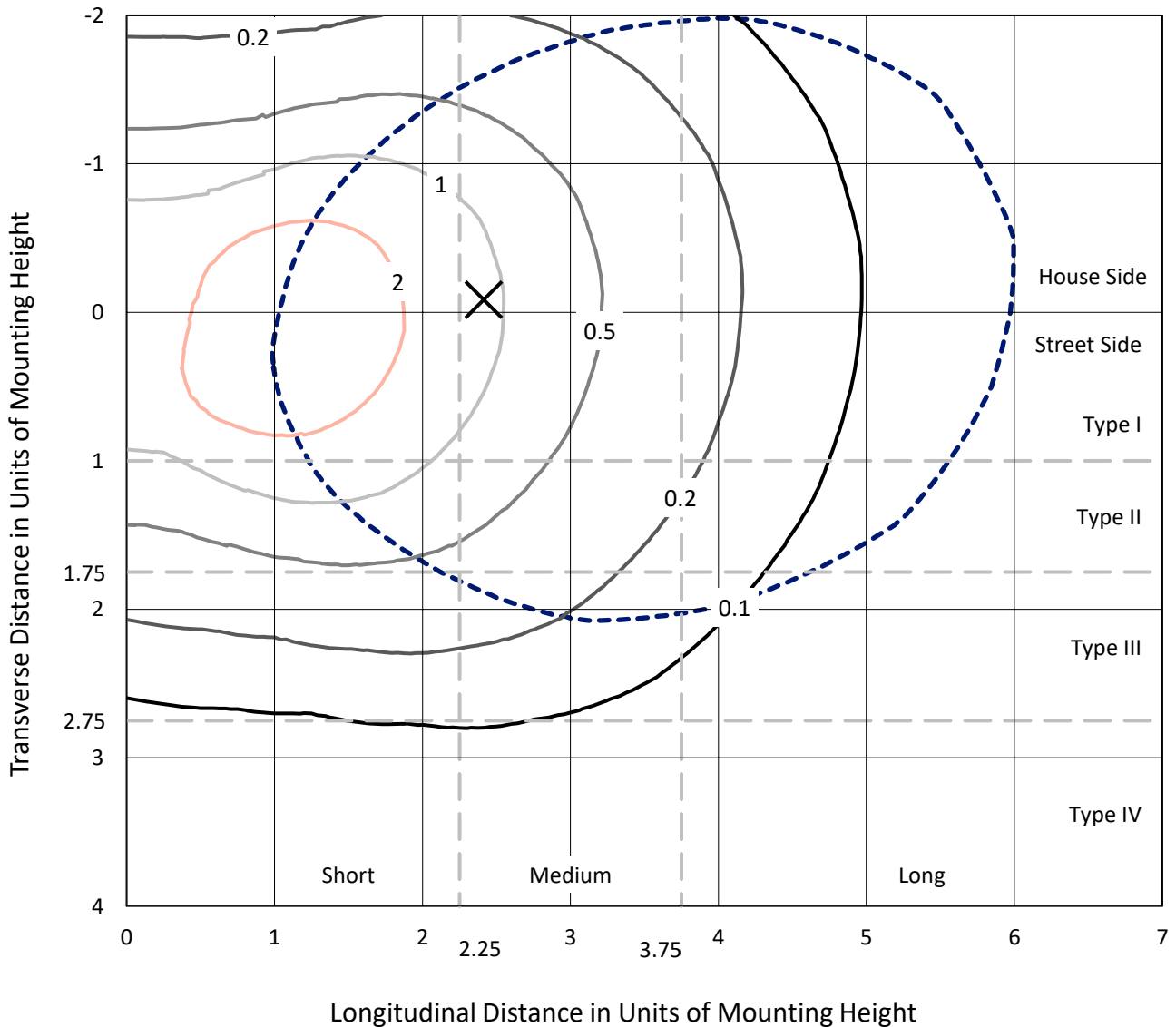
Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

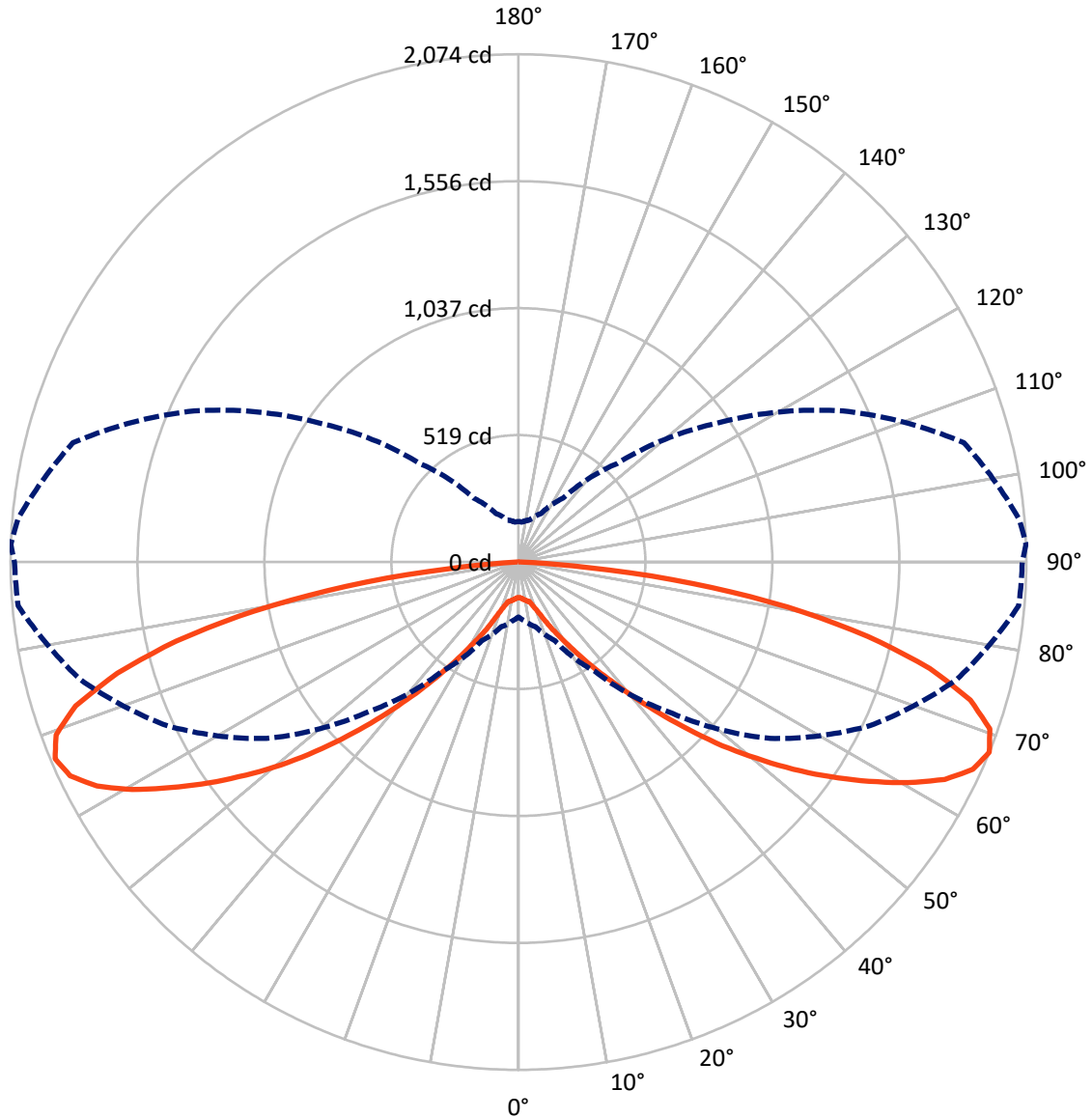
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 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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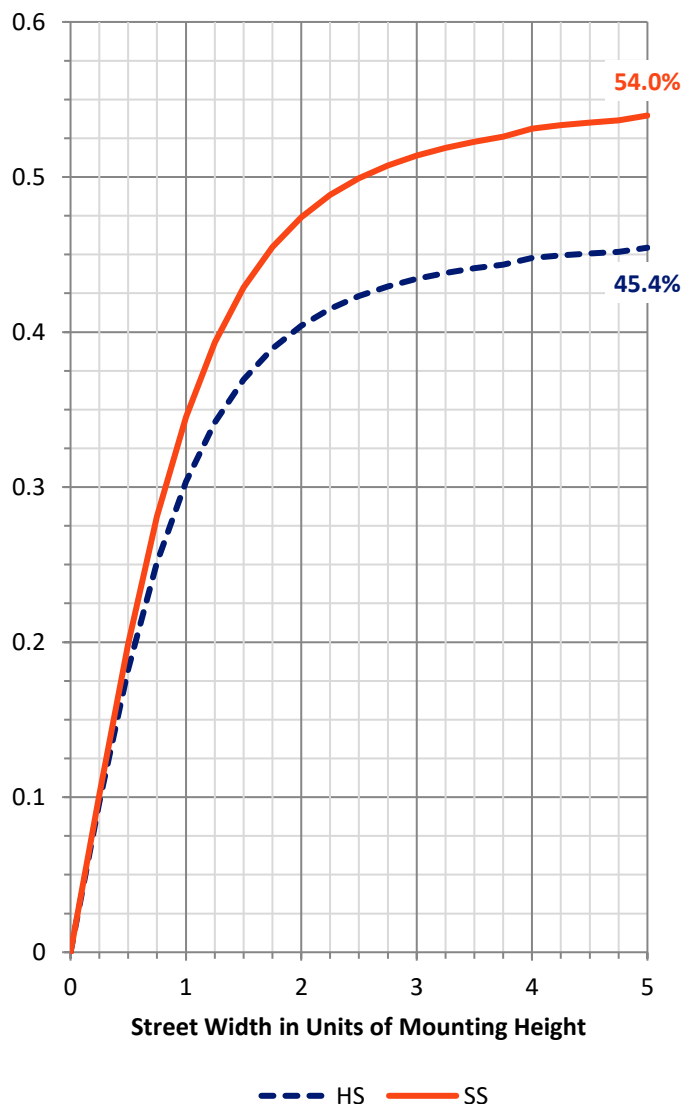
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1563.3	0.0	1563.3
	% Fixture	45.7	0.0	45.7
Street Side	Lumens	1853.8	0.0	1853.8
	% Fixture	54.3	0.0	54.3
Total	Lumens	3417.0	0.0	3417.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.5	0.4
10°-20°	48.1	1.4
20°-30°	109.1	3.2
30°-40°	232.0	6.8
40°-50°	430.8	12.6
50°-60°	694.7	20.3
60°-70°	914.8	26.8
70°-80°	779.4	22.8
80°-90°	193.6	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°	3417.0	100.0
0°-180°	3417.0	100.0

Coefficient of Utilization



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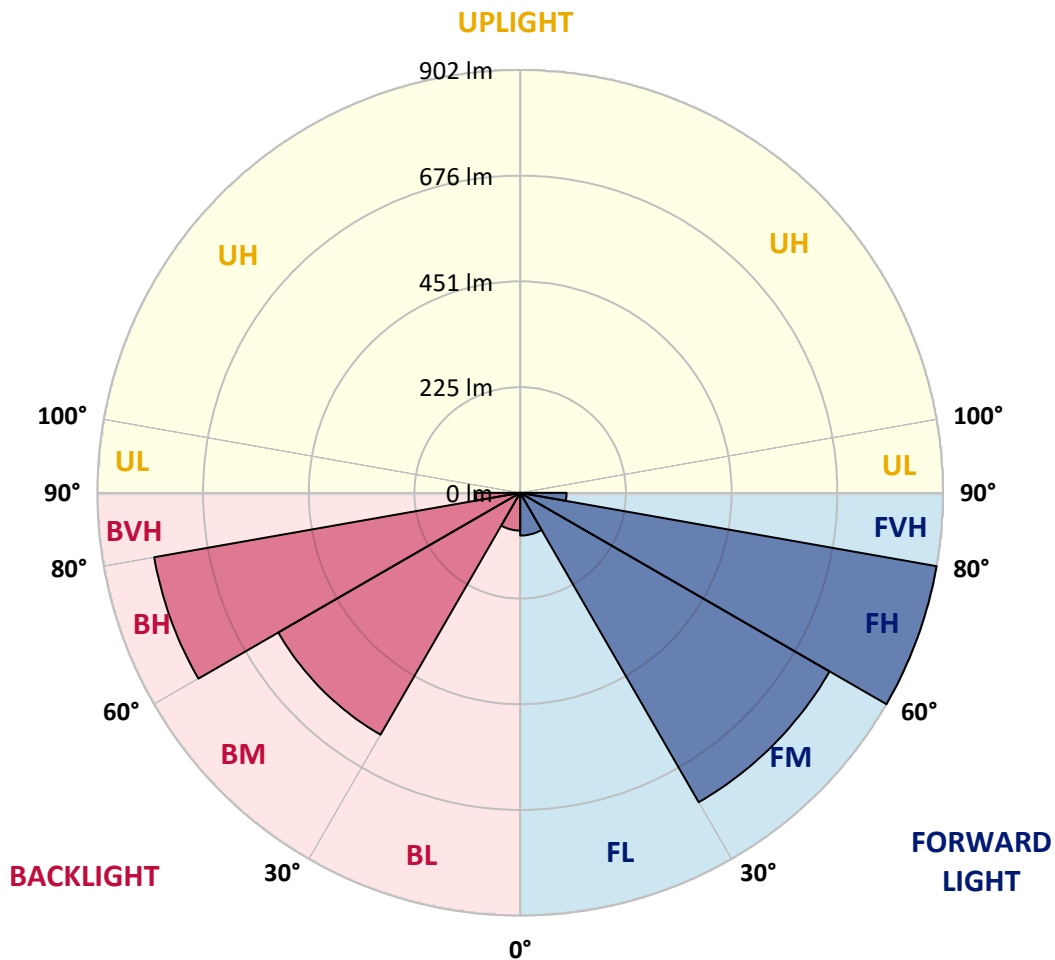
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	91.2	2.7			
FM (30°-60°)	761.9	22.3			
FH (60°-80°)	901.7	26.4			G1/1800
FVH (80°-90°)	98.9	2.9			G1/100
BL (0°-30°)	80.5	2.4	B0/110		
BM (30°-60°)	595.6	17.4	B1/1000		
BH (60°-80°)	792.5	23.2	B2/1000		G2/1000
BVH (80°-90°)	94.7	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°	144.4	144.4	144.4	144.4	144.4	144.4	144.4	144.4	144.4	144.4	144.4
2.5°	146.1	146.1	146.1	146.1	147.9	147.9	146.1	146.1	146.1	146.1	146.1
5°	151.5	149.7	151.5	151.5	151.5	151.5	149.7	149.7	149.7	149.7	149.7
7.5°	153.3	153.3	153.3	153.3	155.0	155.0	155.0	153.3	153.3	153.3	155.0
10°	153.3	155.0	155.0	156.8	158.6	160.4	160.4	158.6	158.6	158.6	158.6
12.5°	158.6	158.6	158.6	160.4	164.0	164.0	165.7	165.7	164.0	162.2	164.0
15°	164.0	164.0	165.7	167.5	171.1	171.1	171.1	171.1	169.3	167.5	165.7
17.5°	172.9	172.9	176.4	178.2	183.6	185.3	187.1	188.9	187.1	183.6	183.6
20°	185.3	185.3	188.9	192.5	196.0	201.4	204.9	204.9	204.9	204.9	204.9
22.5°	190.7	192.5	197.8	206.7	213.9	221.0	226.3	231.7	238.8	238.8	237.0
25°	196.0	197.8	206.7	217.4	233.5	247.7	265.5	283.4	292.3	285.1	283.4
27.5°	204.9	206.7	215.6	229.9	251.3	283.4	319.0	347.5	354.6	336.8	331.5
30°	210.3	212.1	226.3	244.2	269.1	324.3	377.8	415.2	417.0	395.6	386.7
32.5°	222.8	224.5	237.0	258.4	299.4	370.7	445.5	486.5	495.4	470.5	456.2
35°	238.8	240.6	253.1	276.2	335.0	424.1	513.2	556.0	577.4	556.0	534.6
37.5°	244.2	247.7	262.0	294.0	368.9	481.2	579.2	636.2	671.9	650.5	627.3
40°	249.5	251.3	265.5	310.1	401.0	531.1	645.1	728.9	777.0	757.4	736.0
42.5°	253.1	254.8	269.1	322.6	431.3	570.3	712.8	826.9	891.1	880.4	857.2
45°	253.1	254.8	272.7	336.8	458.0	611.3	782.3	923.1	1012.2	1012.2	985.5
47.5°	254.8	254.8	272.7	351.1	479.4	655.8	853.6	1014.0	1128.1	1154.8	1121.0
50°	260.2	262.0	283.4	361.8	507.9	705.7	932.0	1108.5	1245.7	1288.5	1267.1
52.5°	260.2	260.2	290.5	376.0	532.9	746.7	999.8	1204.7	1366.9	1418.6	1409.7
55°	267.3	269.1	299.4	392.1	552.5	791.3	1071.1	1300.9	1488.1	1554.0	1552.2
57.5°	265.5	270.9	306.5	399.2	572.1	842.9	1154.8	1393.6	1611.0	1698.4	1687.7
60°	258.4	265.5	306.5	399.2	584.5	878.6	1226.1	1486.3	1712.6	1839.1	1824.9
62.5°	249.5	258.4	299.4	392.1	582.8	892.8	1267.1	1555.8	1792.8	1956.8	1944.3
65°	238.8	253.1	288.7	376.0	568.5	887.5	1277.8	1591.4	1842.7	2031.6	2026.3
67.5°	224.5	238.8	274.4	354.6	545.3	862.5	1256.4	1582.5	1853.4	2051.2	2058.3
70°	208.5	221.0	253.1	327.9	511.5	819.8	1206.5	1523.7	1807.1	2003.1	2024.5
72.5°	192.5	199.6	228.1	292.3	461.6	755.6	1121.0	1416.8	1698.4	1881.9	1914.0
75°	172.9	176.4	199.6	253.1	399.2	668.3	1001.6	1249.3	1511.2	1685.9	1709.1
77.5°	147.9	147.9	167.5	206.7	329.7	556.0	841.2	1049.7	1276.0	1413.2	1448.9
80°	119.4	117.6	128.3	156.8	245.9	418.8	645.1	796.6	976.6	1080.0	1108.5
82.5°	85.5	83.8	87.3	99.8	156.8	274.4	418.8	513.2	636.2	700.4	718.2
85°	44.6	44.6	44.6	48.1	65.9	112.3	171.1	188.9	269.1	278.0	290.5
87.5°	10.7	10.7	10.7	8.9	7.1	7.1	5.3	5.3	5.3	5.3	3.6
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°	144.4	144.4	144.4	144.4	144.4	144.4	144.4	144.4	144.4	144.4	144.4
2.5°	146.1	146.1	146.1	147.9	147.9	147.9	147.9	147.9	147.9	147.9	147.9
5°	149.7	151.5	151.5	151.5	151.5	149.7	149.7	149.7	147.9	147.9	147.9
7.5°	155.0	155.0	155.0	153.3	153.3	153.3	151.5	151.5	151.5	151.5	151.5
10°	158.6	158.6	158.6	156.8	156.8	156.8	156.8	155.0	153.3	153.3	153.3
12.5°	164.0	164.0	162.2	160.4	160.4	160.4	158.6	155.0	153.3	153.3	153.3
15°	167.5	165.7	164.0	162.2	162.2	162.2	158.6	156.8	155.0	153.3	153.3
17.5°	183.6	181.8	178.2	172.9	171.1	169.3	165.7	162.2	158.6	155.0	155.0
20°	206.7	203.2	197.8	187.1	180.0	178.2	176.4	165.7	156.8	153.3	153.3
22.5°	238.8	237.0	221.0	206.7	196.0	190.7	185.3	172.9	162.2	155.0	153.3
25°	281.6	272.7	253.1	233.5	217.4	203.2	196.0	183.6	171.1	164.0	164.0
27.5°	327.9	319.0	294.0	270.9	245.9	217.4	206.7	190.7	178.2	176.4	176.4
30°	383.2	372.5	342.2	308.3	272.7	233.5	215.6	194.3	185.3	187.1	188.9
32.5°	449.1	434.8	393.8	352.9	303.0	253.1	222.8	201.4	192.5	194.3	194.3
35°	529.3	511.5	461.6	402.8	333.3	272.7	229.9	210.3	197.8	194.3	194.3
37.5°	616.6	597.0	538.2	465.1	370.7	288.7	240.6	215.6	203.2	197.8	197.8
40°	723.5	696.8	622.0	532.9	413.5	310.1	251.3	224.5	210.3	199.6	199.6
42.5°	842.9	814.4	720.0	605.9	463.4	336.8	262.0	235.2	210.3	199.6	199.6
45°	974.8	942.7	830.5	686.1	515.0	363.6	274.4	238.8	212.1	201.4	201.4
47.5°	1121.0	1088.9	953.4	773.4	566.7	388.5	288.7	244.2	215.6	203.2	203.2
50°	1260.0	1229.7	1087.1	869.7	623.7	413.5	299.4	251.3	213.9	201.4	199.6
52.5°	1406.1	1366.9	1226.1	971.3	689.7	445.5	310.1	253.1	213.9	201.4	201.4
55°	1548.7	1504.1	1372.2	1080.0	757.4	481.2	322.6	253.1	213.9	199.6	199.6
57.5°	1689.4	1644.9	1514.8	1190.5	821.6	509.7	331.5	253.1	210.3	196.0	196.0
60°	1830.2	1789.2	1646.7	1292.0	880.4	532.9	335.0	251.3	204.9	192.5	190.7
62.5°	1955.0	1917.6	1759.0	1375.8	932.0	552.5	333.3	242.4	199.6	185.3	185.3
65°	2040.5	2010.2	1842.7	1434.6	971.3	566.7	329.7	231.7	190.7	176.4	174.6
67.5°	2074.4	2051.2	1883.7	1461.3	989.1	568.5	319.0	219.2	178.2	164.0	165.7
70°	2042.3	2024.5	1865.9	1447.1	978.4	552.5	301.2	203.2	164.0	151.5	151.5
72.5°	1930.0	1921.1	1769.6	1379.4	928.5	518.6	274.4	181.8	147.9	135.4	137.2
75°	1735.8	1735.8	1598.6	1256.4	841.2	466.9	242.4	156.8	130.1	119.4	119.4
77.5°	1459.6	1466.7	1347.3	1069.3	716.4	395.6	203.2	131.9	108.7	99.8	99.8
80°	1115.6	1121.0	1030.1	837.6	561.4	311.9	156.8	101.6	83.8	76.6	78.4
82.5°	718.2	723.5	666.5	552.5	379.6	213.9	108.7	69.5	58.8	53.5	53.5
85°	283.4	292.3	267.3	224.5	174.6	106.9	55.2	35.6	33.9	28.5	26.7
87.5°	5.3	5.3	7.1	10.7	14.3	14.3	10.7	8.9	8.9	10.7	8.9
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)