

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: P553733

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553733
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-VA2-740-U-ASC-S
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 4000K LEDS AND TYPE II OPTIC, SPIDER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3691 lumens
Efficiency: N/A
Efficacy: 76.9 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

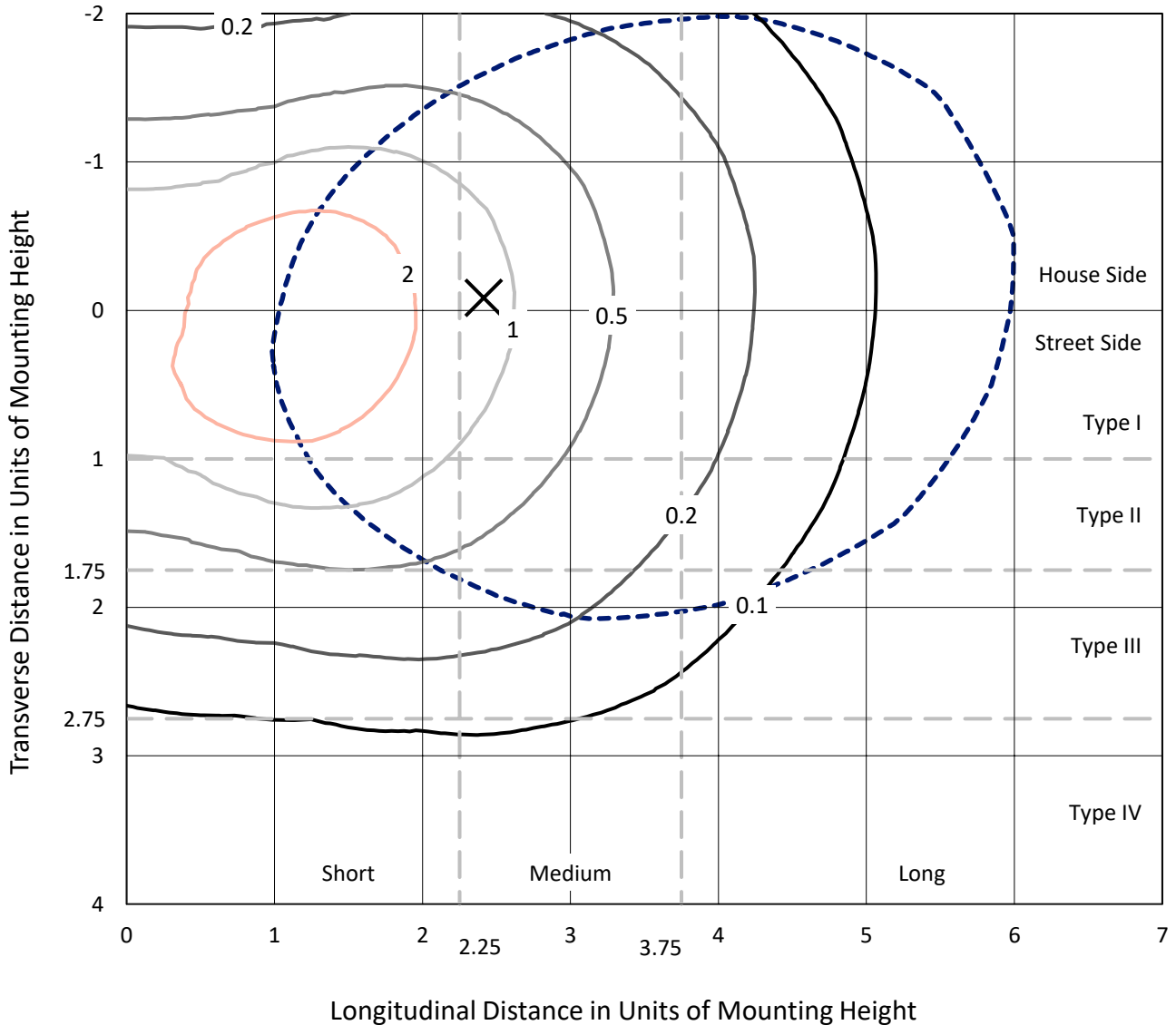


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Iso-Footcandle Lines of Horizontal Illumination

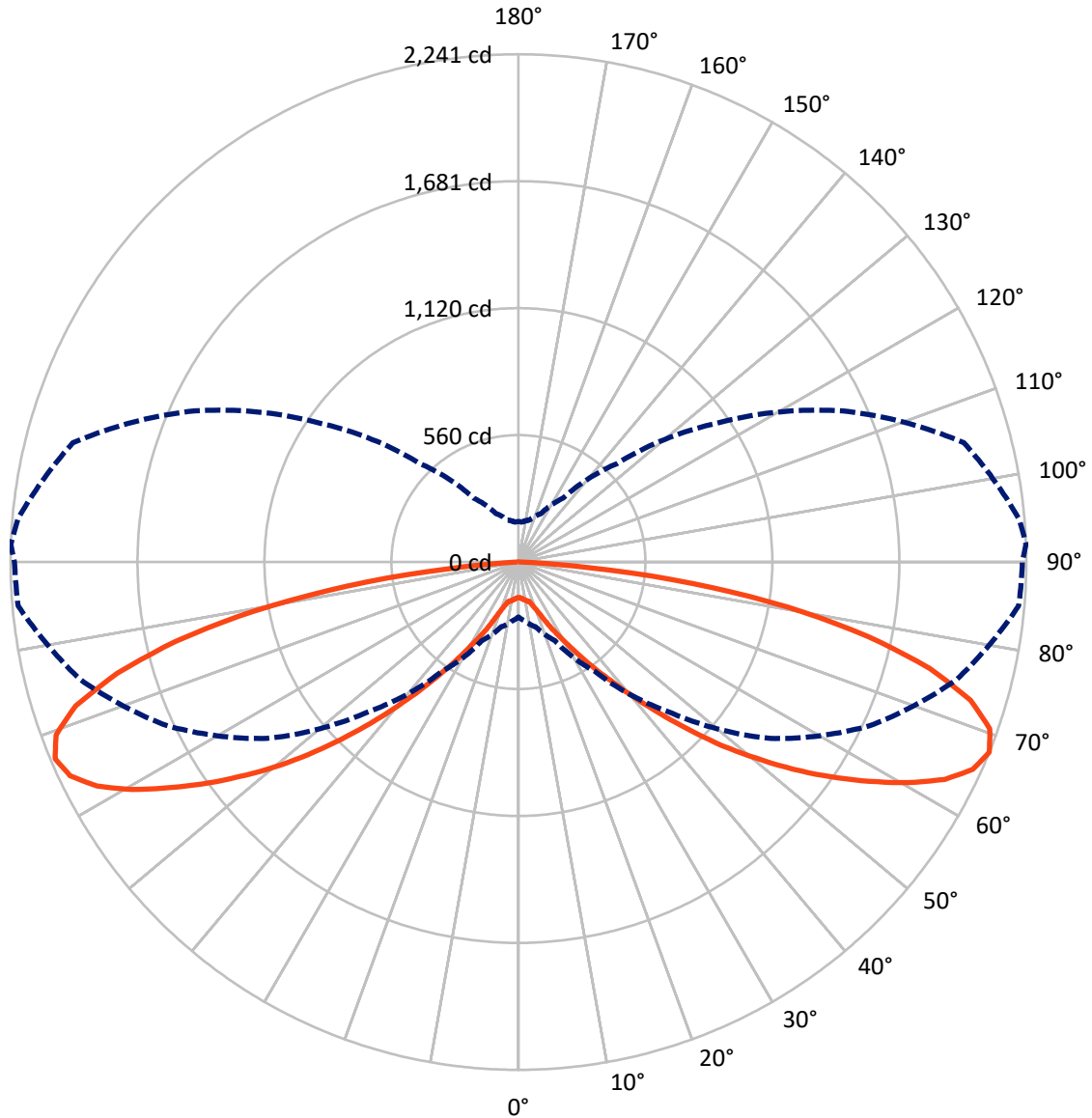
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 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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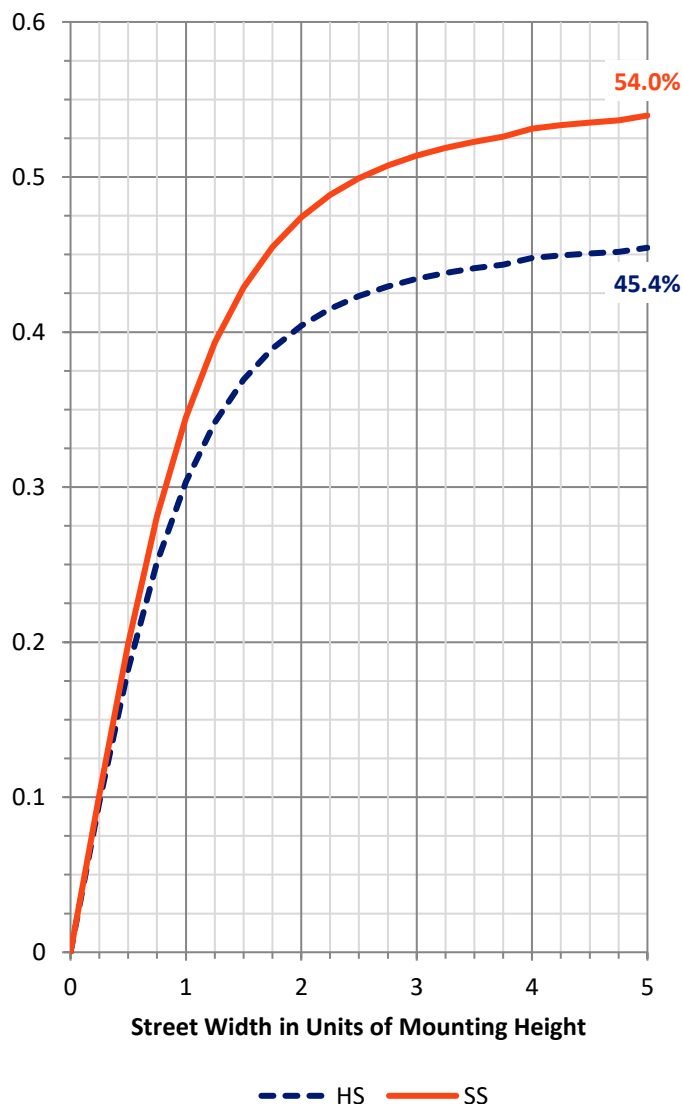
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1688.6	0.0	1688.6
	% Fixture	45.7	0.0	45.7
Street Side	Lumens	2002.4	0.0	2002.4
	% Fixture	54.3	0.0	54.3
Total	Lumens	3691.0	0.0	3691.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	0.4
10°-20°	52.0	1.4
20°-30°	117.9	3.2
30°-40°	250.6	6.8
40°-50°	465.3	12.6
50°-60°	750.4	20.3
60°-70°	988.1	26.8
70°-80°	841.9	22.8
80°-90°	209.1	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°	3691.0	100.0
0°-180°	3691.0	100.0

Coefficient of Utilization



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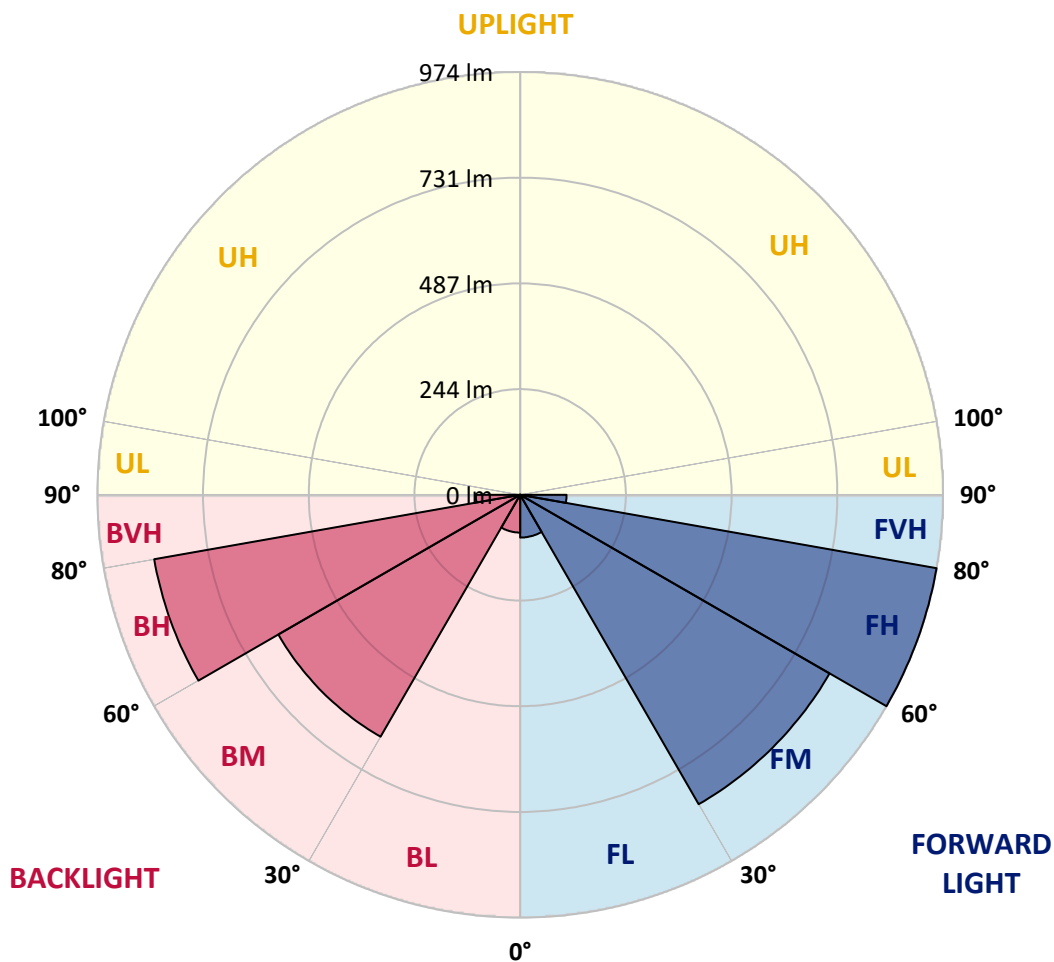
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	98.6	2.7			
FM	(30°-60°)	823.0	22.3			
FH	(60°-80°)	974.0	26.4			G1/1800
FVH	(80°-90°)	106.9	2.9			G2/225
BL	(0°-30°)	87.0	2.4	B0/110		
BM	(30°-60°)	643.4	17.4	B1/1000		
BH	(60°-80°)	856.0	23.2	B2/1000		G2/1000
BVH	(80°-90°)	102.3	2.8			G2/225
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°	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9
2.5°	157.9	157.9	157.9	157.9	159.8	159.8	157.9	157.9	157.9	157.9	157.9
5°	163.6	161.7	163.6	163.6	163.6	163.6	161.7	161.7	161.7	161.7	161.7
7.5°	165.6	165.6	165.6	165.6	167.5	167.5	167.5	165.6	165.6	165.6	167.5
10°	165.6	167.5	167.5	169.4	171.3	173.3	173.3	171.3	171.3	171.3	171.3
12.5°	171.3	171.3	171.3	173.3	177.1	177.1	179.0	179.0	177.1	175.2	177.1
15°	177.1	177.1	179.0	181.0	184.8	184.8	184.8	184.8	182.9	181.0	179.0
17.5°	186.7	186.7	190.6	192.5	198.3	200.2	202.1	204.1	202.1	198.3	198.3
20°	200.2	200.2	204.1	207.9	211.8	217.5	221.4	221.4	221.4	221.4	221.4
22.5°	206.0	207.9	213.7	223.3	231.0	238.7	244.5	250.3	258.0	258.0	256.0
25°	211.8	213.7	223.3	234.9	252.2	267.6	286.8	306.1	315.7	308.0	306.1
27.5°	221.4	223.3	232.9	248.3	271.4	306.1	344.6	375.4	383.1	363.8	358.1
30°	227.2	229.1	244.5	263.7	290.7	350.4	408.1	448.5	450.5	427.4	417.7
32.5°	240.6	242.6	256.0	279.1	323.4	400.4	481.3	525.5	535.2	508.2	492.8
35°	258.0	259.9	273.4	298.4	361.9	458.2	554.4	600.6	623.7	600.6	577.5
37.5°	263.7	267.6	283.0	317.6	398.5	519.8	625.6	687.2	725.7	702.6	677.6
40°	269.5	271.4	286.8	335.0	433.1	573.7	696.9	787.3	839.3	818.1	795.0
42.5°	273.4	275.3	290.7	348.4	465.9	616.0	770.0	893.2	962.5	951.0	925.9
45°	273.4	275.3	294.5	363.8	494.7	660.3	845.1	997.2	1093.4	1093.4	1064.5
47.5°	275.3	275.3	294.5	379.2	517.8	708.4	922.1	1095.3	1218.5	1247.4	1210.8
50°	281.1	283.0	306.1	390.8	548.6	762.3	1006.8	1197.4	1345.6	1391.8	1368.7
52.5°	281.1	281.1	313.8	406.2	575.6	806.6	1079.9	1301.3	1476.5	1532.3	1522.7
55°	288.8	290.7	323.4	423.5	596.8	854.7	1156.9	1405.3	1607.4	1678.6	1676.7
57.5°	286.8	292.6	331.1	431.2	617.9	910.5	1247.4	1505.4	1740.2	1834.5	1823.0
60°	279.1	286.8	331.1	431.2	631.4	949.0	1324.4	1605.5	1849.9	1986.6	1971.2
62.5°	269.5	279.1	323.4	423.5	629.5	964.4	1368.7	1680.5	1936.6	2113.7	2100.2
65°	258.0	273.4	311.9	406.2	614.1	958.7	1380.2	1719.0	1990.5	2194.5	2188.7
67.5°	242.6	258.0	296.5	383.1	589.1	931.7	1357.1	1709.4	2002.0	2215.7	2223.4
70°	225.2	238.7	273.4	354.2	552.5	885.5	1303.2	1645.9	1952.0	2163.7	2186.8
72.5°	207.9	215.6	246.4	315.7	498.6	816.2	1210.8	1530.4	1834.5	2032.8	2067.5
75°	186.7	190.6	215.6	273.4	431.2	721.9	1081.9	1349.4	1632.4	1821.1	1846.1
77.5°	159.8	159.8	181.0	223.3	356.1	600.6	908.6	1133.8	1378.3	1526.5	1565.0
80°	129.0	127.1	138.6	169.4	265.7	452.4	696.9	860.5	1054.9	1166.6	1197.4
82.5°	92.4	90.5	94.3	107.8	169.4	296.5	452.4	554.4	687.2	756.5	775.8
85°	48.1	48.1	48.1	52.0	71.2	121.3	184.8	204.1	290.7	300.3	313.8
87.5°	11.6	11.6	11.6	9.6	7.7	7.7	5.8	5.8	5.8	5.8	3.9
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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9
2.5°	157.9	157.9	157.9	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8
5°	161.7	163.6	163.6	163.6	163.6	161.7	161.7	161.7	159.8	159.8	159.8
7.5°	167.5	167.5	167.5	165.6	165.6	165.6	163.6	163.6	163.6	163.6	163.6
10°	171.3	171.3	171.3	169.4	169.4	169.4	169.4	167.5	165.6	165.6	165.6
12.5°	177.1	177.1	175.2	173.3	173.3	173.3	171.3	167.5	165.6	165.6	165.6
15°	181.0	179.0	177.1	175.2	175.2	175.2	171.3	169.4	167.5	165.6	165.6
17.5°	198.3	196.4	192.5	186.7	184.8	182.9	179.0	175.2	171.3	167.5	167.5
20°	223.3	219.5	213.7	202.1	194.4	192.5	190.6	179.0	169.4	165.6	165.6
22.5°	258.0	256.0	238.7	223.3	211.8	206.0	200.2	186.7	175.2	167.5	165.6
25°	304.2	294.5	273.4	252.2	234.9	219.5	211.8	198.3	184.8	177.1	177.1
27.5°	354.2	344.6	317.6	292.6	265.7	234.9	223.3	206.0	192.5	190.6	190.6
30°	413.9	402.3	369.6	333.0	294.5	252.2	232.9	209.8	200.2	202.1	204.1
32.5°	485.1	469.7	425.4	381.2	327.3	273.4	240.6	217.5	207.9	209.8	209.8
35°	571.7	552.5	498.6	435.1	360.0	294.5	248.3	227.2	213.7	209.8	209.8
37.5°	666.1	644.9	581.4	502.4	400.4	311.9	259.9	232.9	219.5	213.7	213.7
40°	781.6	752.7	671.8	575.6	446.6	335.0	271.4	242.6	227.2	215.6	215.6
42.5°	910.5	879.7	777.7	654.5	500.5	363.8	283.0	254.1	227.2	215.6	215.6
45°	1053.0	1018.3	897.1	741.1	556.3	392.7	296.5	258.0	229.1	217.5	217.5
47.5°	1210.8	1176.2	1029.9	835.5	612.2	419.7	311.9	263.7	232.9	219.5	219.5
50°	1361.0	1328.3	1174.3	939.4	673.8	446.6	323.4	271.4	231.0	217.5	215.6
52.5°	1518.8	1476.5	1324.4	1049.1	745.0	481.3	335.0	273.4	231.0	217.5	217.5
55°	1672.8	1624.7	1482.3	1166.6	818.1	519.8	348.4	273.4	231.0	215.6	215.6
57.5°	1824.9	1776.8	1636.3	1285.9	887.4	550.6	358.1	273.4	227.2	211.8	211.8
60°	1977.0	1932.7	1778.7	1395.6	951.0	575.6	361.9	271.4	221.4	207.9	206.0
62.5°	2111.7	2071.3	1900.0	1486.1	1006.8	596.8	360.0	261.8	215.6	200.2	200.2
65°	2204.1	2171.4	1990.5	1549.6	1049.1	612.2	356.1	250.3	206.0	190.6	188.7
67.5°	2240.7	2215.7	2034.7	1578.5	1068.4	614.1	344.6	236.8	192.5	177.1	179.0
70°	2206.1	2186.8	2015.5	1563.1	1056.8	596.8	325.3	219.5	177.1	163.6	163.6
72.5°	2084.8	2075.2	1911.5	1490.0	1002.9	560.2	296.5	196.4	159.8	146.3	148.2
75°	1875.0	1875.0	1726.7	1357.1	908.6	504.4	261.8	169.4	140.5	129.0	129.0
77.5°	1576.6	1584.3	1455.3	1155.0	773.9	427.4	219.5	142.5	117.4	107.8	107.8
80°	1205.1	1210.8	1112.7	904.8	606.4	336.9	169.4	109.7	90.5	82.8	84.7
82.5°	775.8	781.6	720.0	596.8	410.0	231.0	117.4	75.1	63.5	57.8	57.8
85°	306.1	315.7	288.8	242.6	188.7	115.5	59.7	38.5	36.6	30.8	28.9
87.5°	5.8	5.8	7.7	11.6	15.4	15.4	11.6	9.6	9.6	11.6	9.6
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)