

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: P553720

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553720
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-VA2-730-U-ASC-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 3000K LEDS AND TYPE II OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3564 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

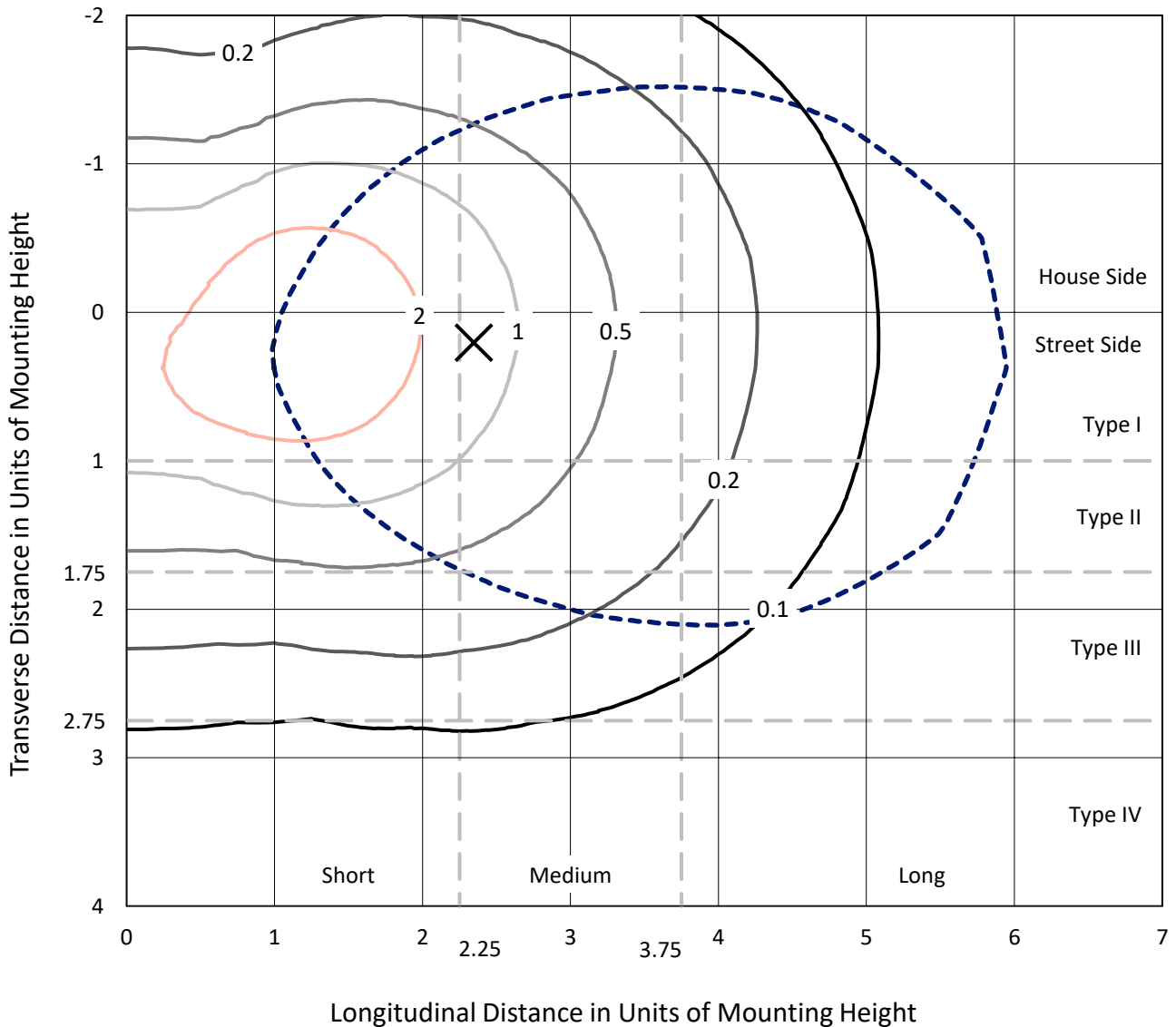
Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

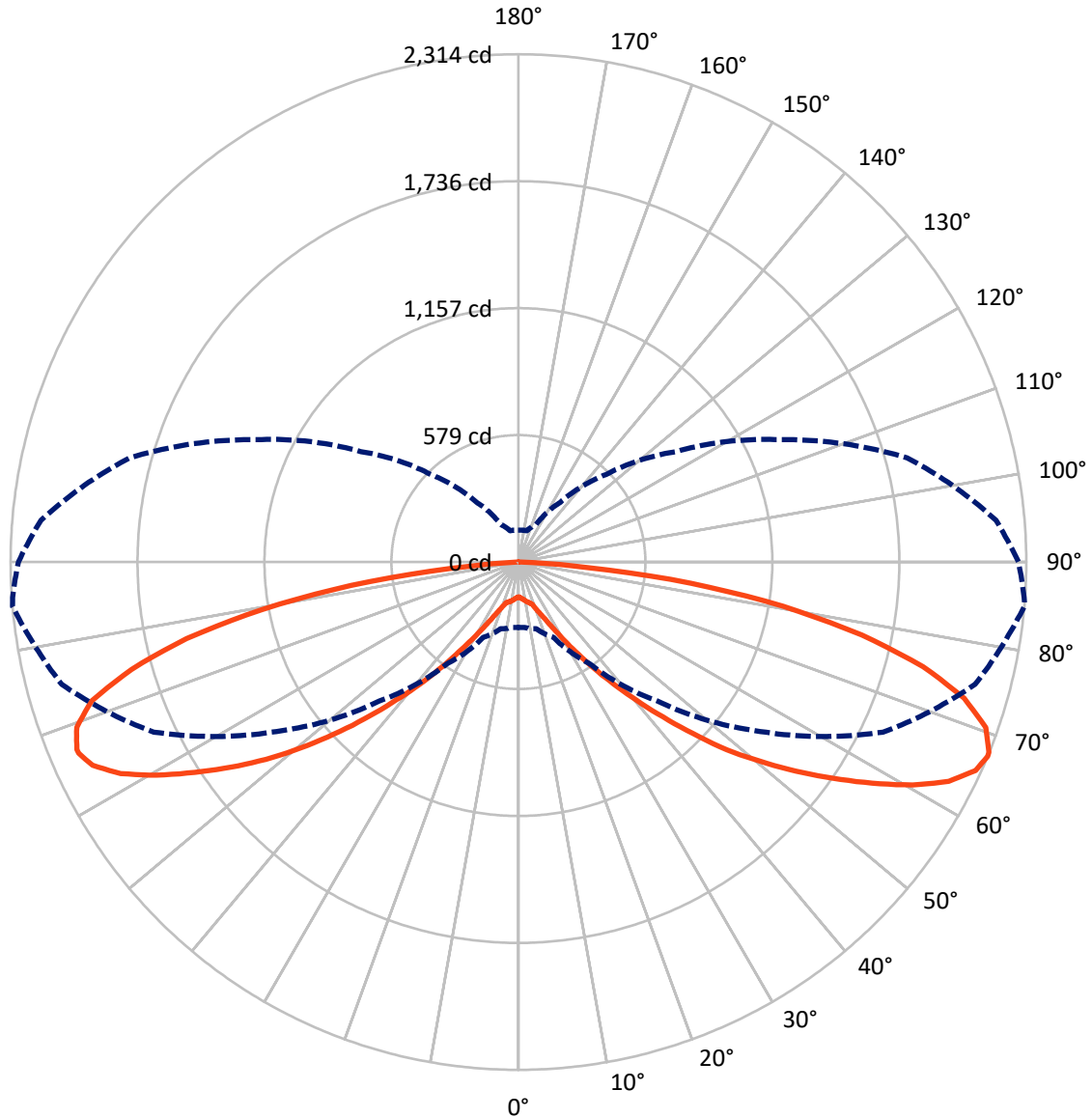
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 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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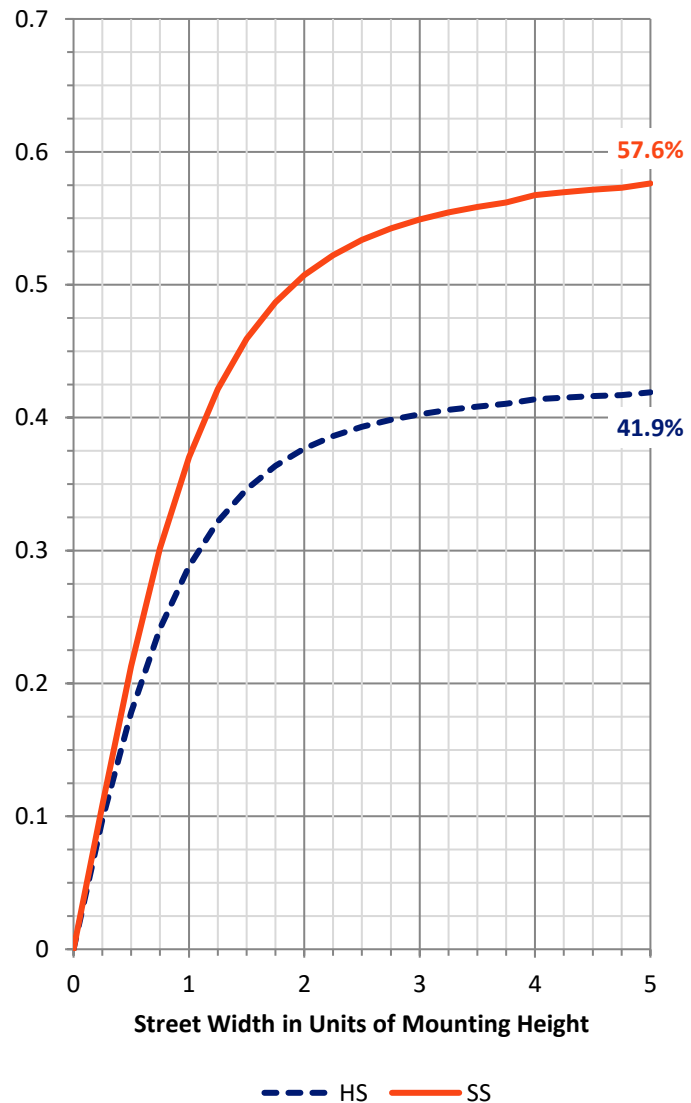
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1500.5	0.0	1500.5
	% Fixture	42.1	0.0	42.1
Street Side	Lumens	2063.5	0.0	2063.5
	% Fixture	57.9	0.0	57.9
Total	Lumens	3564.0	0.0	3564.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.1	0.5
10°-20°	53.3	1.5
20°-30°	115.6	3.2
30°-40°	239.6	6.7
40°-50°	446.9	12.5
50°-60°	725.4	20.4
60°-70°	958.6	26.9
70°-80°	813.4	22.8
80°-90°	195.2	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°	3564.0	100.0
0°-180°	3564.0	100.0



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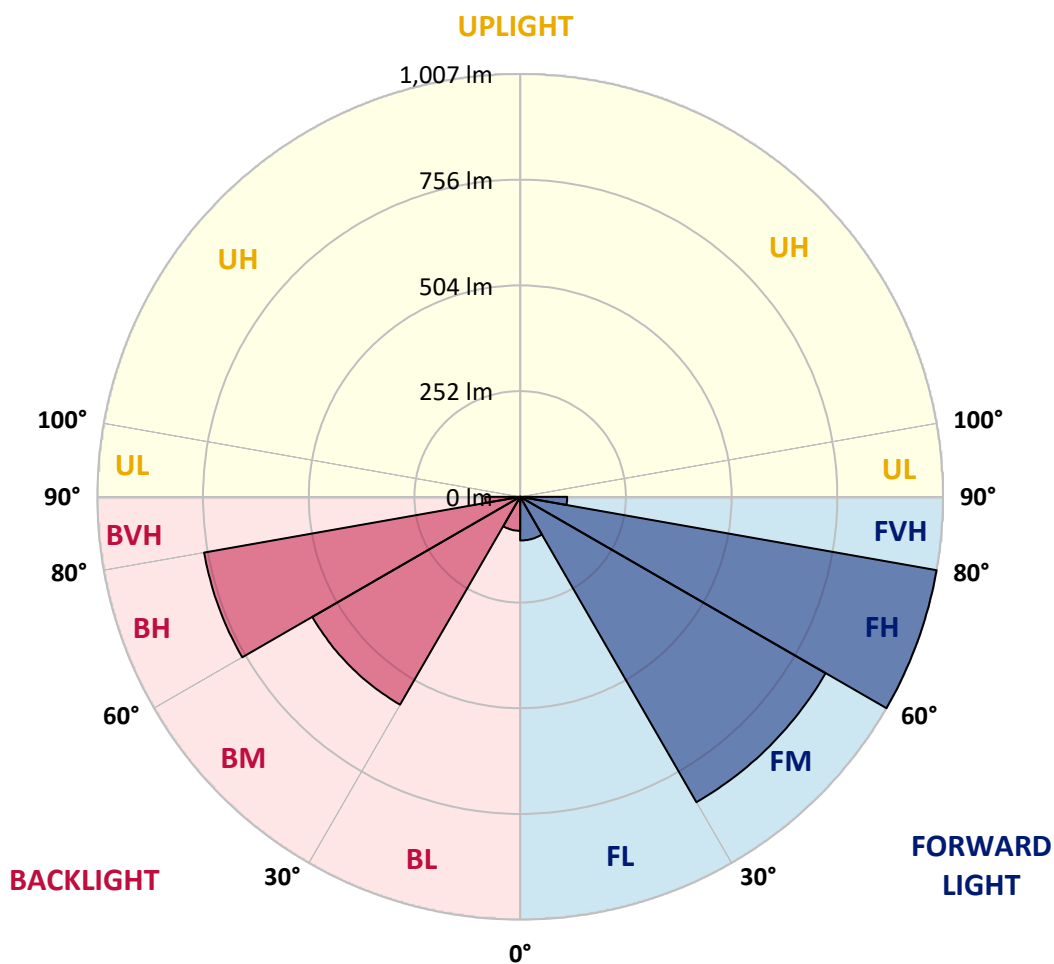
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	104.0	2.9			
FM	(30°-60°)	840.2	23.6			
FH	(60°-80°)	1007.3	28.3			G1/1800
FVH	(80°-90°)	111.9	3.1			G2/225
BL	(0°-30°)	81.0	2.3	B0/110		
BM	(30°-60°)	571.7	16.0	B1/1000		
BH	(60°-80°)	764.6	21.5	B2/1000		G2/1000
BVH	(80°-90°)	83.2	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°	158.4	158.4	158.4	158.4	158.4	158.4	158.4	158.4	158.4	158.4	158.4
2.5°	162.0	163.8	163.8	163.8	163.8	163.8	162.0	162.0	162.0	162.0	162.0
5°	169.1	169.1	169.1	169.1	169.1	169.1	169.1	167.3	167.3	167.3	167.3
7.5°	172.7	172.7	172.7	174.4	176.2	176.2	176.2	174.4	172.7	172.7	172.7
10°	174.4	174.4	176.2	178.0	181.6	183.3	183.3	183.3	179.8	179.8	179.8
12.5°	181.6	181.6	181.6	185.1	188.7	192.3	194.0	194.0	188.7	186.9	186.9
15°	188.7	188.7	190.5	194.0	199.4	202.9	202.9	204.7	199.4	194.0	192.3
17.5°	199.4	199.4	201.2	206.5	213.6	215.4	215.4	215.4	210.1	201.2	201.2
20°	215.4	215.4	219.0	224.3	231.4	236.8	242.1	240.3	236.8	226.1	224.3
22.5°	224.3	226.1	231.4	240.3	252.8	261.7	274.1	274.1	272.4	256.3	256.3
25°	233.2	233.2	238.5	252.8	274.1	291.9	315.1	320.4	315.1	295.5	293.7
27.5°	245.7	245.7	252.8	267.0	293.7	327.5	359.6	380.9	375.6	345.3	341.8
30°	259.9	259.9	268.8	288.4	316.9	364.9	414.8	455.7	453.9	416.5	414.8
32.5°	275.9	275.9	284.8	306.2	347.1	400.5	475.3	530.5	539.4	500.2	500.2
35°	297.3	299.1	308.0	327.5	377.4	446.8	539.4	610.6	631.9	596.3	592.8
37.5°	304.4	306.2	320.4	352.5	405.9	503.8	605.2	701.4	740.5	704.9	697.8
40°	309.7	311.5	325.8	364.9	436.1	550.0	674.7	802.8	861.6	827.7	818.8
42.5°	315.1	316.9	331.1	372.0	462.8	591.0	745.9	911.4	995.1	964.8	955.9
45°	315.1	316.9	334.7	379.2	484.2	630.2	822.4	1018.2	1132.1	1114.3	1107.2
47.5°	315.1	316.9	336.4	389.8	498.4	676.4	898.9	1125.0	1263.9	1278.1	1262.1
50°	324.0	327.5	345.3	397.0	525.1	726.3	973.7	1233.6	1397.4	1427.6	1417.0
52.5°	325.8	327.5	348.9	405.9	550.0	772.6	1050.3	1344.0	1538.0	1582.5	1568.3
55°	338.2	338.2	356.0	418.3	569.6	818.8	1132.1	1456.1	1692.9	1739.2	1730.3
57.5°	340.0	343.6	359.6	423.7	589.2	868.7	1221.1	1571.8	1837.1	1901.1	1888.7
60°	334.7	336.4	356.0	420.1	599.9	904.3	1294.1	1685.8	1963.4	2063.1	2050.7
62.5°	324.0	325.8	345.3	413.0	598.1	918.5	1342.2	1774.8	2063.1	2200.2	2187.7
65°	311.5	313.3	331.1	397.0	583.9	913.2	1356.4	1826.4	2134.3	2289.2	2283.9
67°	297.3	299.1	315.1	379.2	564.3	895.4	1345.8	1833.5	2153.9	2314.1	2310.6
67.5°	291.9	295.5	311.5	373.8	559.0	888.3	1338.6	1829.9	2153.9	2312.3	2310.6
70°	268.8	270.6	286.6	343.6	523.3	843.8	1287.0	1773.0	2113.0	2258.9	2262.5
72.5°	240.3	242.1	254.6	308.0	477.1	776.1	1199.8	1660.8	1990.1	2123.7	2132.6
75°	208.3	210.1	220.7	268.8	411.2	683.6	1071.6	1484.6	1794.3	1904.7	1902.9
77.5°	172.7	172.7	181.6	219.0	340.0	567.9	902.5	1251.4	1511.3	1598.5	1598.5
80°	131.7	133.5	140.6	163.8	256.3	427.2	696.0	973.7	1160.6	1221.1	1235.4
82.5°	87.2	89.0	94.3	105.0	165.5	277.7	455.7	644.4	761.9	792.1	802.8
85°	42.7	39.2	42.7	48.1	71.2	112.1	188.7	254.6	316.9	313.3	331.1
87.5°	7.1	7.1	7.1	7.1	7.1	5.3	5.3	5.3	5.3	3.6	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	158.4	158.4	158.4	158.4	158.4	158.4	158.4	158.4	158.4	158.4	158.4
2.5°	162.0	162.0	162.0	162.0	162.0	162.0	162.0	160.2	160.2	160.2	160.2
5°	167.3	165.5	165.5	165.5	163.8	162.0	162.0	160.2	160.2	160.2	158.4
7.5°	172.7	172.7	170.9	167.3	165.5	163.8	163.8	162.0	162.0	162.0	162.0
10°	178.0	178.0	174.4	172.7	169.1	167.3	167.3	165.5	163.8	162.0	162.0
12.5°	185.1	183.3	178.0	174.4	172.7	172.7	169.1	165.5	163.8	162.0	162.0
15°	190.5	188.7	179.8	174.4	172.7	170.9	169.1	165.5	163.8	163.8	163.8
17.5°	197.6	194.0	181.6	176.2	172.7	170.9	170.9	169.1	167.3	165.5	165.5
20°	219.0	213.6	197.6	186.9	179.8	178.0	178.0	172.7	167.3	167.3	167.3
22.5°	247.4	238.5	215.4	199.4	188.7	186.9	181.6	174.4	170.9	169.1	169.1
25°	286.6	272.4	243.9	217.2	201.2	194.0	186.9	179.8	174.4	172.7	172.7
27.5°	329.3	315.1	279.5	243.9	219.0	202.9	194.0	185.1	176.2	172.7	172.7
30°	393.4	372.0	322.2	275.9	236.8	213.6	201.2	188.7	179.8	176.2	176.2
32.5°	471.7	441.5	370.3	313.3	261.7	226.1	206.5	194.0	183.3	179.8	178.0
35°	562.5	525.1	434.3	350.7	284.8	240.3	211.8	197.6	183.3	178.0	178.0
37.5°	671.1	628.4	514.4	402.3	316.9	254.6	219.0	199.4	185.1	181.6	181.6
40°	786.8	740.5	605.2	471.7	354.2	272.4	226.1	202.9	188.7	183.3	183.3
42.5°	920.3	863.3	712.0	548.3	400.5	300.8	236.8	206.5	188.7	183.3	181.6
45°	1066.3	1002.2	818.8	628.4	459.3	331.1	251.0	206.5	190.5	185.1	183.3
47.5°	1221.1	1149.9	936.3	717.4	514.4	357.8	263.5	206.5	192.3	185.1	183.3
50°	1381.4	1304.8	1060.9	808.2	576.8	389.8	274.1	208.3	190.5	183.3	181.6
52.5°	1543.3	1459.7	1199.8	906.1	637.3	429.0	286.6	210.1	188.7	183.3	181.6
55°	1705.3	1609.2	1340.4	1002.2	701.4	471.7	302.6	210.1	188.7	181.6	179.8
57.5°	1856.6	1758.7	1484.6	1094.8	760.1	505.5	313.3	211.8	183.3	176.2	174.4
60°	2018.6	1913.6	1612.8	1183.8	809.9	534.0	322.2	210.1	174.4	172.7	170.9
62.5°	2148.6	2052.5	1717.8	1253.2	845.5	553.6	331.1	204.7	167.3	165.5	165.5
65°	2244.7	2150.4	1799.7	1303.0	872.2	566.1	334.7	195.8	156.6	154.9	154.9
67°	2278.5	2184.2	1833.5	1319.1	877.6	564.3	332.9	188.7	147.7	146.0	146.0
67.5°	2280.3	2186.0	1837.1	1319.1	877.6	562.5	331.1	188.7	146.0	144.2	144.2
70°	2241.1	2148.6	1815.7	1295.9	856.2	541.1	315.1	176.2	131.7	129.9	131.7
72.5°	2116.5	2043.6	1717.8	1233.6	801.0	500.2	291.9	160.2	117.5	115.7	115.7
75°	1895.8	1829.9	1545.1	1105.4	715.6	437.9	258.1	144.2	103.2	97.9	99.7
77.5°	1591.4	1552.2	1295.9	938.1	594.6	363.1	215.4	121.0	83.7	78.3	80.1
80°	1212.2	1187.3	977.3	720.9	443.2	270.6	163.8	96.1	62.3	57.0	60.5
82.5°	779.7	770.8	639.1	459.3	268.8	163.8	103.2	62.3	40.9	35.6	39.2
85°	306.2	311.5	235.0	160.2	94.3	48.1	35.6	26.7	19.6	14.2	14.2
87.5°	1.8	1.8	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	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

(END OF REPORT)