

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: P553768

Luminaire Tested: **LXS-VA3-740-U-ASC-C**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553768
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-VA3-740-U-ASC-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 4000K LEDS AND TYPE II OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6929 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

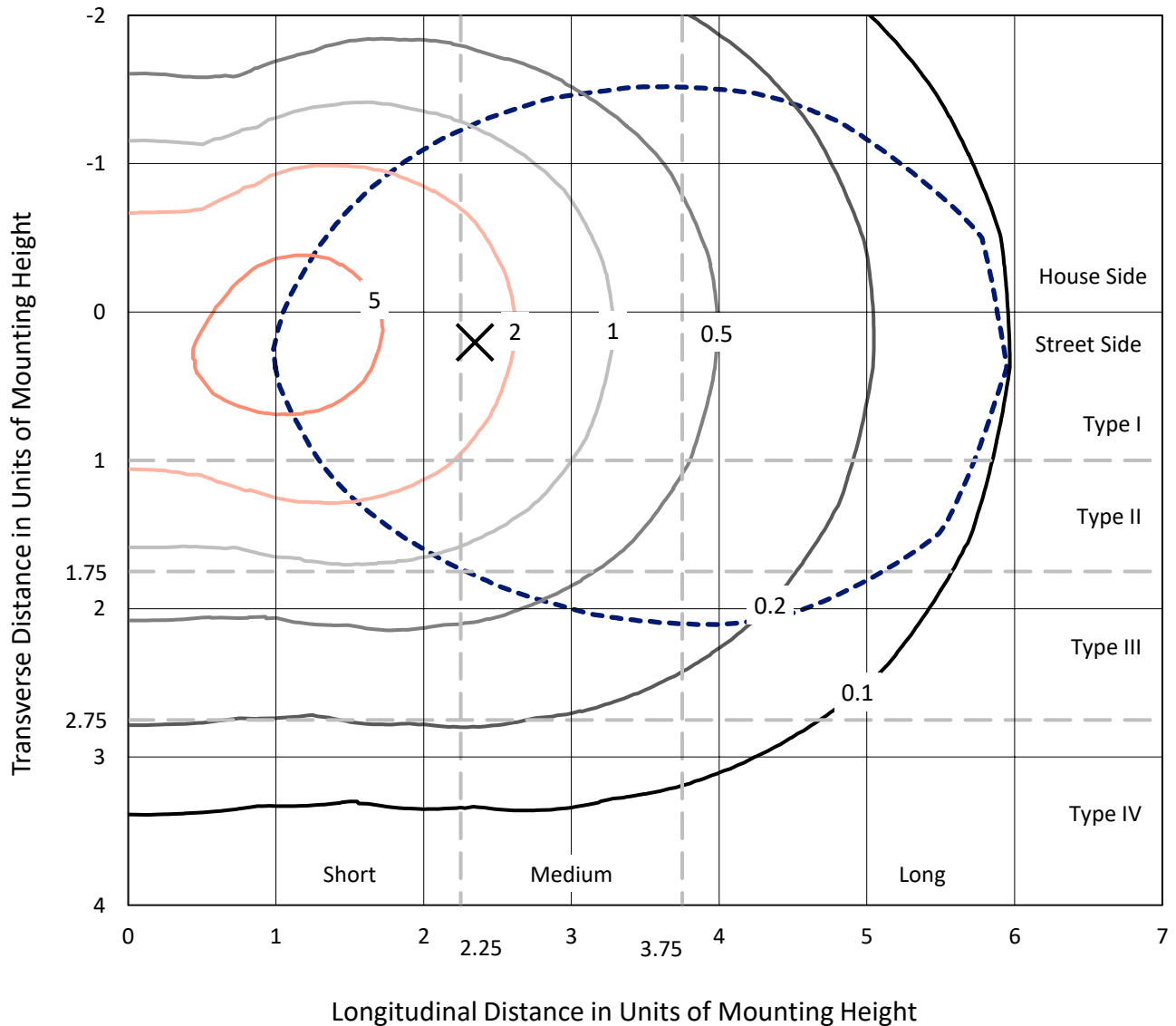
Input Watts (W): 99
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

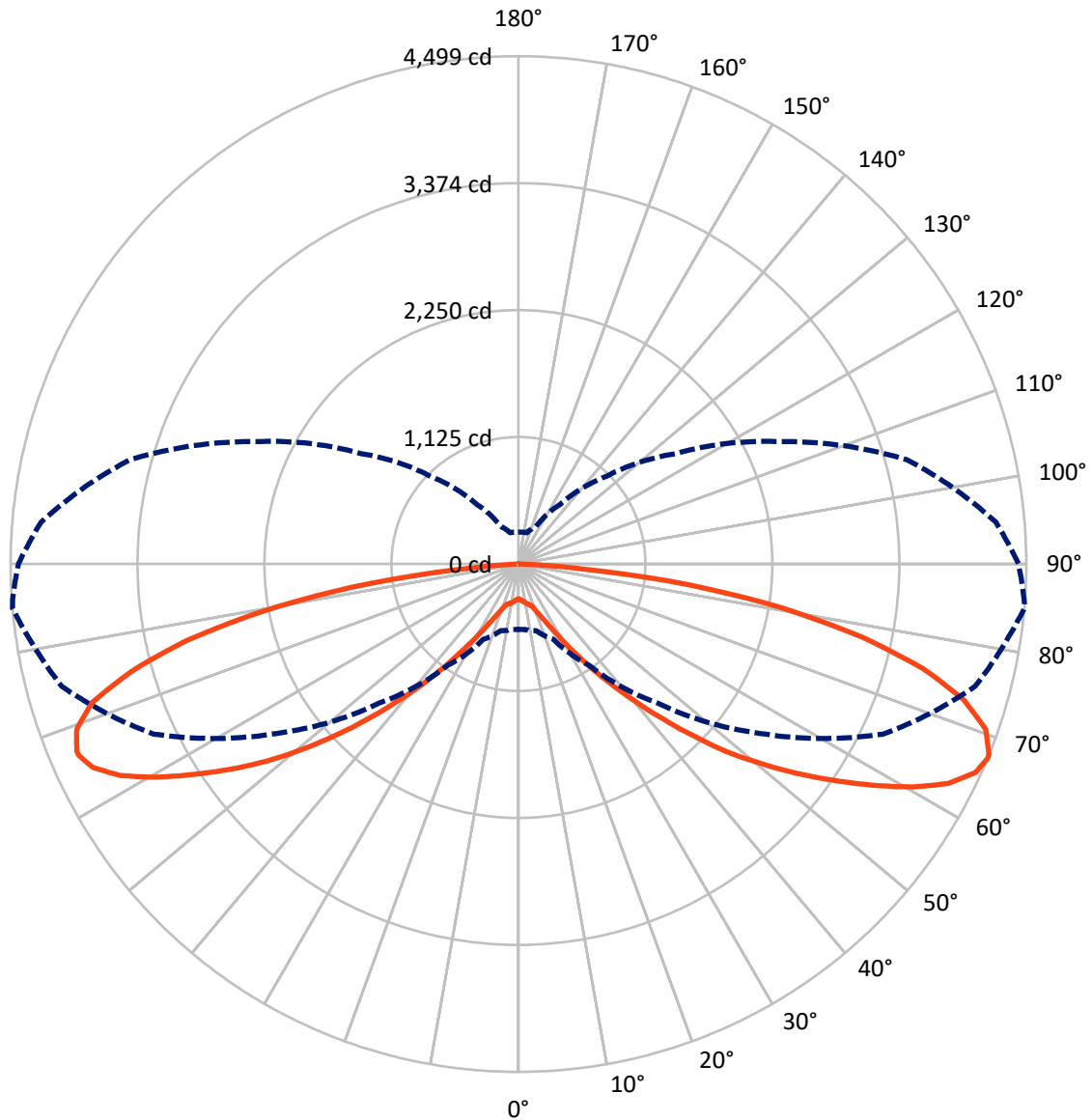
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 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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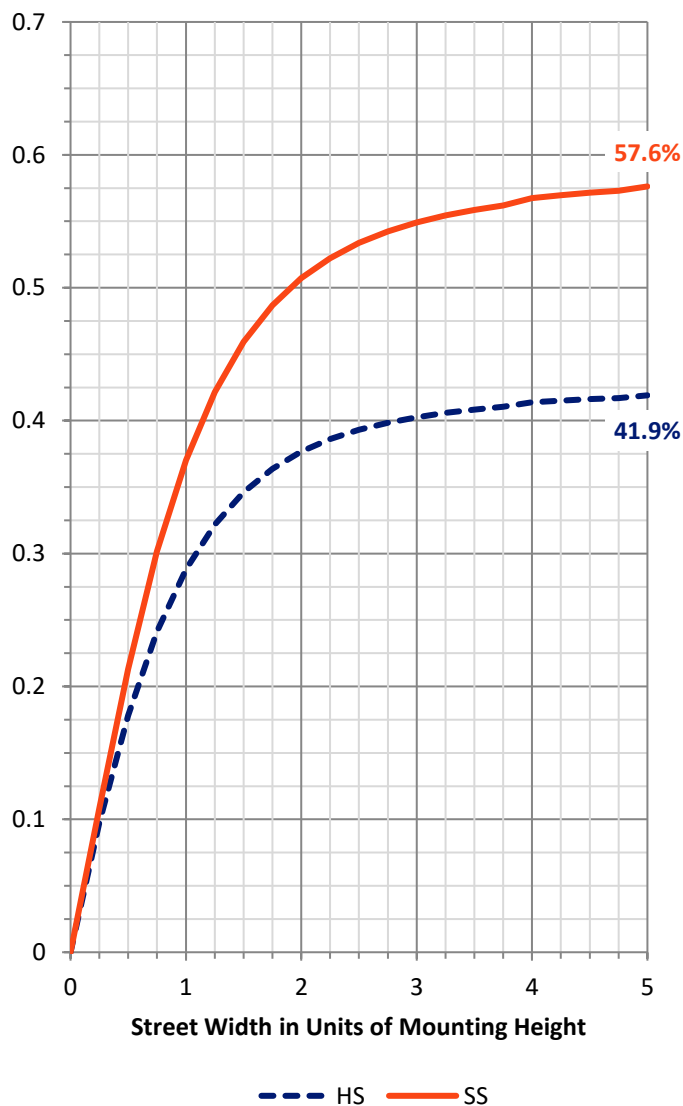
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2917.2	0.0	2917.2
	% Fixture	42.1	0.0	42.1
Street Side	Lumens	4011.8	0.0	4011.8
	% Fixture	57.9	0.0	57.9
Total	Lumens	6929.0	0.0	6929.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.3	0.5
10°-20°	103.6	1.5
20°-30°	224.8	3.2
30°-40°	465.9	6.7
40°-50°	868.8	12.5
50°-60°	1410.3	20.4
60°-70°	1863.6	26.9
70°-80°	1581.4	22.8
80°-90°	379.4	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°	6929.0	100.0
0°-180°	6929.0	100.0

Coefficient of Utilization



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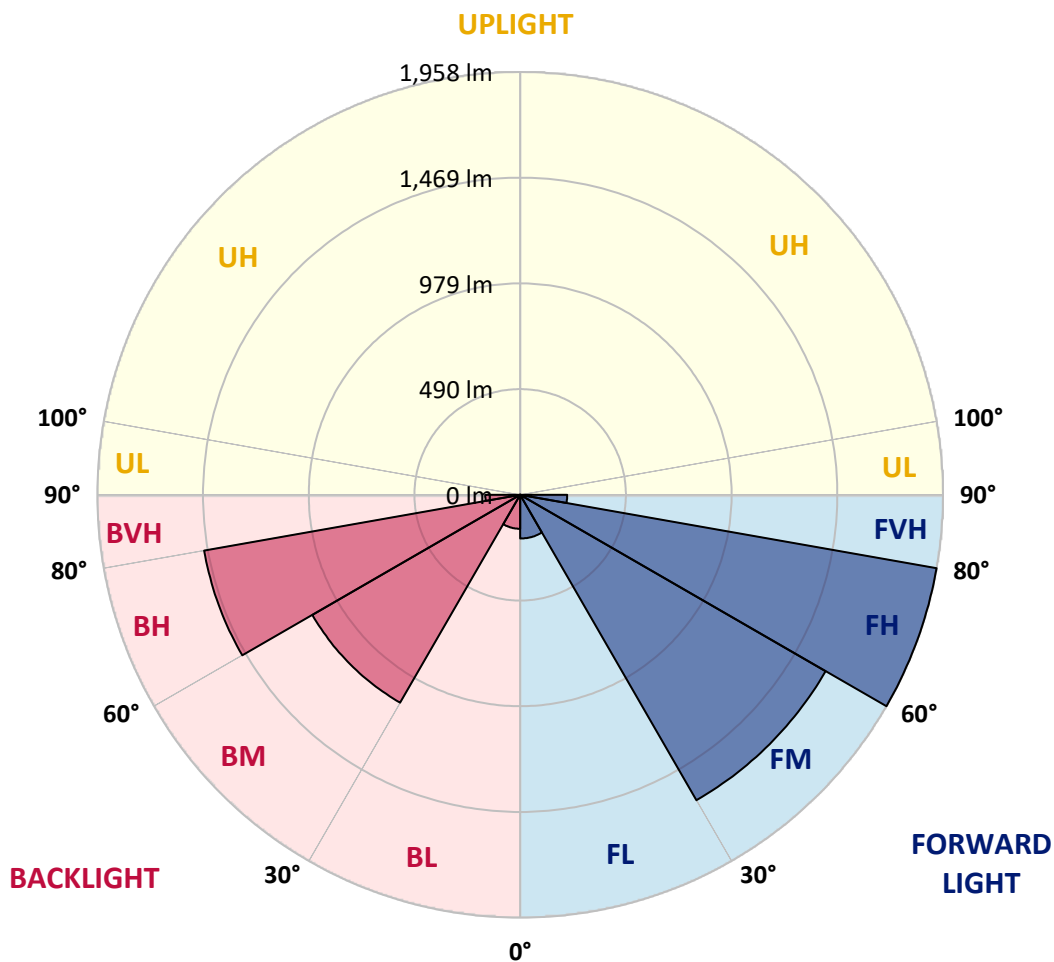
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	202.3	2.9			
FM (30°-60°)	1633.4	23.6			
FH (60°-80°)	1958.4	28.3			G2/5000
FVH (80°-90°)	217.6	3.1			G2/225
BL (0°-30°)	157.4	2.3	B1/500		
BM (30°-60°)	1111.5	16.0	B2/2500		
BH (60°-80°)	1486.5	21.5	B3/2500		G3/2500
BVH (80°-90°)	161.8	2.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	86°
0°	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0
2.5°	314.9	318.4	318.4	318.4	318.4	318.4	314.9	314.9	314.9	314.9	314.9
5°	328.8	328.8	328.8	328.8	328.8	328.8	328.8	325.3	325.3	325.3	325.3
7.5°	335.7	335.7	335.7	339.2	342.6	342.6	342.6	339.2	335.7	335.7	335.7
10°	339.2	339.2	342.6	346.1	353.0	356.5	356.5	356.5	349.5	349.5	349.5
12.5°	353.0	353.0	353.0	359.9	366.8	373.8	377.2	377.2	366.8	363.4	363.4
15°	366.8	366.8	370.3	377.2	387.6	394.5	394.5	398.0	387.6	377.2	373.8
17.5°	387.6	387.6	391.1	401.5	415.3	418.8	418.8	418.8	408.4	391.1	391.1
20°	418.8	418.8	425.7	436.1	449.9	460.3	470.7	467.2	460.3	439.5	436.1
22.5°	436.1	439.5	449.9	467.2	491.4	508.7	533.0	533.0	529.5	498.4	498.4
25°	453.4	453.4	463.7	491.4	533.0	567.6	612.6	622.9	612.6	574.5	571.0
27.5°	477.6	477.6	491.4	519.1	571.0	636.8	699.1	740.6	730.2	671.4	664.5
30°	505.3	505.3	522.6	560.6	616.0	709.5	806.4	886.0	882.5	809.8	806.4
32.5°	536.4	536.4	553.7	595.3	674.9	778.7	924.0	1031.3	1048.6	972.5	972.5
35°	578.0	581.4	598.7	636.8	733.7	868.7	1048.6	1187.1	1228.6	1159.4	1152.4
37.5°	591.8	595.3	622.9	685.2	789.1	979.4	1176.7	1363.6	1439.7	1370.5	1356.6
40°	602.2	605.6	633.3	709.5	847.9	1069.4	1311.6	1560.8	1675.0	1609.3	1592.0
42.5°	612.6	616.0	643.7	723.3	899.8	1149.0	1450.1	1771.9	1934.6	1875.8	1858.4
45°	612.6	616.0	650.6	737.2	941.3	1225.1	1598.9	1979.6	2201.1	2166.5	2152.6
47.5°	612.6	616.0	654.1	757.9	969.0	1315.1	1747.7	2187.2	2457.2	2484.9	2453.7
50°	629.9	636.8	671.4	771.8	1020.9	1412.0	1893.1	2398.3	2716.7	2775.6	2754.8
52.5°	633.3	636.8	678.3	789.1	1069.4	1502.0	2041.9	2612.9	2990.1	3076.6	3049.0
55°	657.6	657.6	692.2	813.3	1107.5	1592.0	2201.1	2830.9	3291.2	3381.2	3363.9
57.5°	661.0	667.9	699.1	823.7	1145.5	1688.9	2374.1	3055.9	3571.5	3696.1	3671.9
60°	650.6	654.1	692.2	816.7	1166.3	1758.1	2516.0	3277.4	3817.3	4011.1	3986.8
62.5°	629.9	633.3	671.4	802.9	1162.8	1785.8	2609.4	3450.4	4011.1	4277.5	4253.3
65°	605.6	609.1	643.7	771.8	1135.1	1775.4	2637.1	3550.8	4149.5	4450.6	4440.2
67°	578.0	581.4	612.6	737.2	1097.1	1740.8	2616.4	3564.6	4187.6	4499.0	4492.1
67.5°	567.6	574.5	605.6	726.8	1086.7	1726.9	2602.5	3557.7	4187.6	4495.6	4492.1
70°	522.6	526.0	557.2	667.9	1017.5	1640.4	2502.2	3447.0	4108.0	4391.8	4398.7
72.5°	467.2	470.7	494.9	598.7	927.5	1508.9	2332.6	3228.9	3869.2	4128.7	4146.0
75°	404.9	408.4	429.1	522.6	799.4	1328.9	2083.4	2886.3	3488.5	3703.1	3699.6
77.5°	335.7	335.7	353.0	425.7	661.0	1104.0	1754.6	2432.9	2938.2	3107.8	3107.8
80°	256.1	259.6	273.4	318.4	498.4	830.6	1353.2	1893.1	2256.4	2374.1	2401.8
82.5°	169.6	173.0	183.4	204.2	321.9	539.9	886.0	1252.8	1481.2	1540.1	1560.8
85°	83.1	76.1	83.1	93.4	138.4	218.0	366.8	494.9	616.0	609.1	643.7
87.5°	13.8	13.8	13.8	13.8	13.8	10.4	10.4	10.4	10.4	6.9	6.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0
2.5°	314.9	314.9	314.9	314.9	314.9	314.9	314.9	311.5	311.5	311.5	311.5
5°	325.3	321.9	321.9	321.9	318.4	314.9	314.9	311.5	311.5	311.5	308.0
7.5°	335.7	335.7	332.2	325.3	321.9	318.4	318.4	314.9	314.9	314.9	314.9
10°	346.1	346.1	339.2	335.7	328.8	325.3	325.3	321.9	318.4	314.9	314.9
12.5°	359.9	356.5	346.1	339.2	335.7	335.7	328.8	321.9	318.4	314.9	314.9
15°	370.3	366.8	349.5	339.2	335.7	332.2	328.8	321.9	318.4	318.4	318.4
17.5°	384.1	377.2	353.0	342.6	335.7	332.2	332.2	328.8	325.3	321.9	321.9
20°	425.7	415.3	384.1	363.4	349.5	346.1	346.1	335.7	325.3	325.3	325.3
22.5°	481.1	463.7	418.8	387.6	366.8	363.4	353.0	339.2	332.2	328.8	328.8
25°	557.2	529.5	474.1	422.2	391.1	377.2	363.4	349.5	339.2	335.7	335.7
27.5°	640.2	612.6	543.3	474.1	425.7	394.5	377.2	359.9	342.6	335.7	335.7
30°	764.8	723.3	626.4	536.4	460.3	415.3	391.1	366.8	349.5	342.6	342.6
32.5°	917.1	858.3	719.8	609.1	508.7	439.5	401.5	377.2	356.5	349.5	346.1
35°	1093.6	1020.9	844.4	681.8	553.7	467.2	411.8	384.1	356.5	346.1	346.1
37.5°	1304.7	1221.7	1000.2	782.1	616.0	494.9	425.7	387.6	359.9	353.0	353.0
40°	1529.7	1439.7	1176.7	917.1	688.7	529.5	439.5	394.5	366.8	356.5	356.5
42.5°	1789.2	1678.5	1384.3	1065.9	778.7	584.9	460.3	401.5	366.8	356.5	353.0
45°	2073.0	1948.4	1592.0	1221.7	892.9	643.7	488.0	401.5	370.3	359.9	356.5
47.5°	2374.1	2235.7	1820.4	1394.7	1000.2	695.6	512.2	401.5	373.8	359.9	356.5
50°	2685.6	2536.8	2062.6	1571.2	1121.3	757.9	533.0	404.9	370.3	356.5	353.0
52.5°	3000.5	2837.9	2332.6	1761.5	1239.0	834.1	557.2	408.4	366.8	356.5	353.0
55°	3315.4	3128.6	2606.0	1948.4	1363.6	917.1	588.3	408.4	366.8	353.0	349.5
57.5°	3609.6	3419.3	2886.3	2128.4	1477.8	982.9	609.1	411.8	356.5	342.6	339.2
60°	3924.5	3720.4	3135.5	2301.4	1574.7	1038.2	626.4	408.4	339.2	335.7	332.2
62.5°	4177.2	3990.3	3339.7	2436.4	1643.9	1076.3	643.7	398.0	325.3	321.9	321.9
65°	4364.1	4180.6	3498.9	2533.3	1695.8	1100.5	650.6	380.7	304.6	301.1	301.1
67°	4429.8	4246.4	3564.6	2564.5	1706.2	1097.1	647.2	366.8	287.2	283.8	283.8
67.5°	4433.3	4249.9	3571.5	2564.5	1706.2	1093.6	643.7	366.8	283.8	280.3	280.3
70°	4357.1	4177.2	3530.0	2519.5	1664.6	1052.1	612.6	342.6	256.1	252.6	256.1
72.5°	4114.9	3973.0	3339.7	2398.3	1557.4	972.5	567.6	311.5	228.4	225.0	225.0
75°	3685.8	3557.7	3004.0	2149.2	1391.2	851.4	501.8	280.3	200.7	190.3	193.8
77.5°	3094.0	3017.8	2519.5	1823.8	1155.9	706.0	418.8	235.3	162.7	152.3	155.7
80°	2356.8	2308.4	1900.0	1401.6	861.7	526.0	318.4	186.9	121.1	110.7	117.7
82.5°	1515.8	1498.5	1242.4	892.9	522.6	318.4	200.7	121.1	79.6	69.2	76.1
85°	595.3	605.6	456.8	311.5	183.4	93.4	69.2	51.9	38.1	27.7	27.7
87.5°	3.5	3.5	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
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)