

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: P553774

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553774
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-23-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-ASW-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 4000K LEDS AND TYPE III OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8258 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

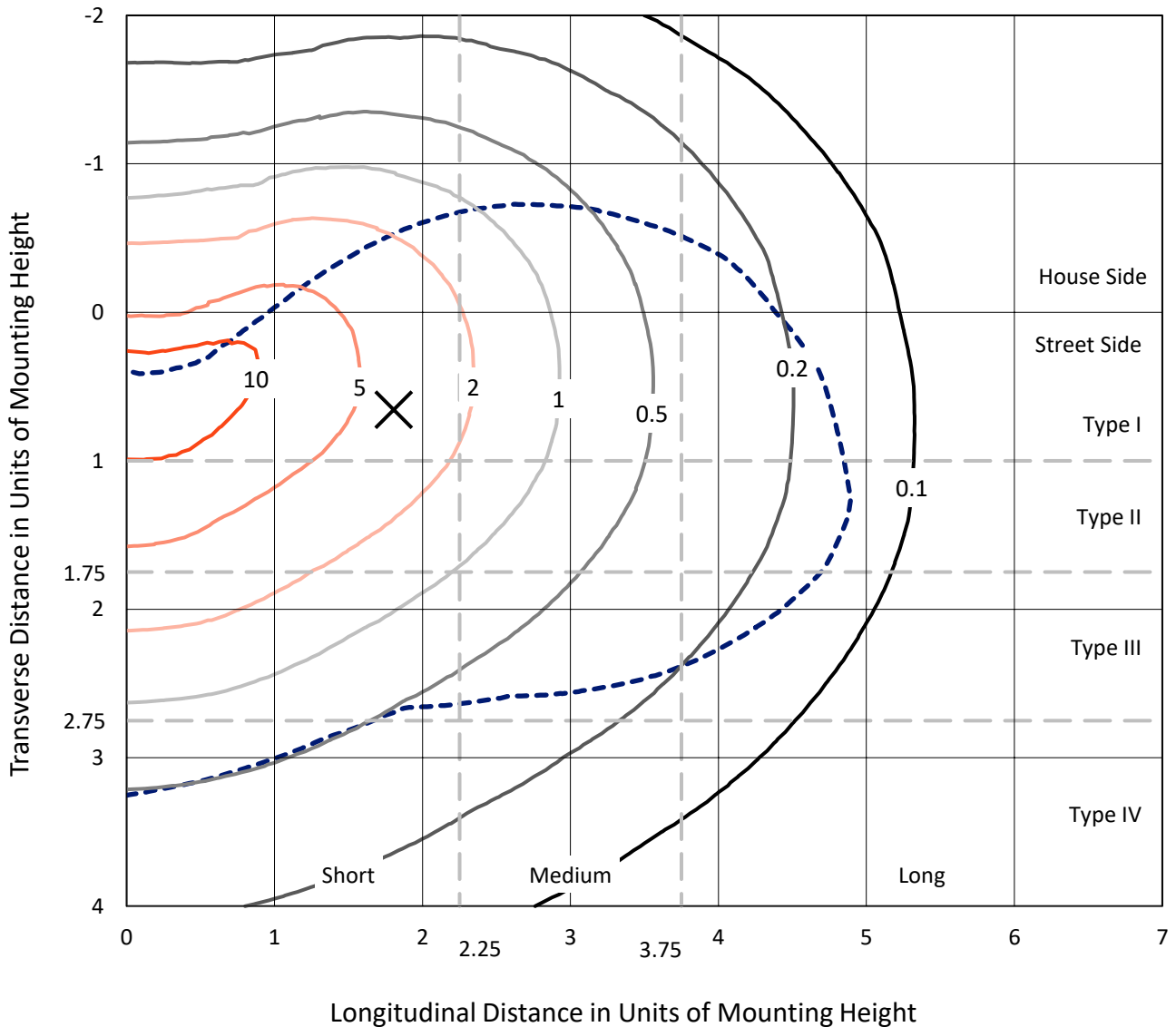
Input Watts (W): 99
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P553774
 CATALOG NUMBER: LXS-VA3-740-U-ASW-C

Iso-Footcandle Lines of Horizontal Illumination

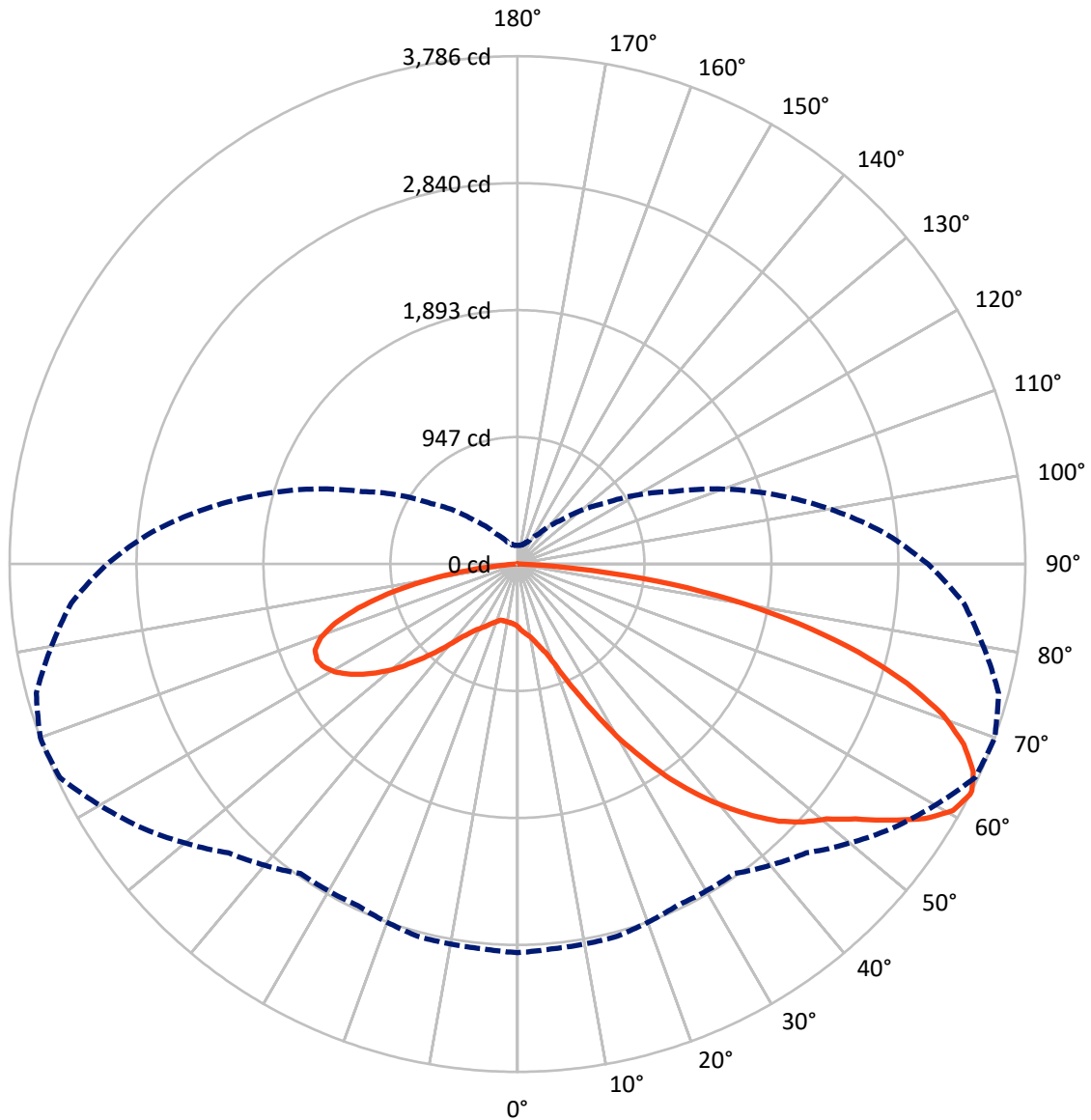
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P553774
CATALOG NUMBER: LXS-VA3-740-U-ASW-C

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P553774

CATALOG NUMBER: LXS-VA3-740-U-ASW-C

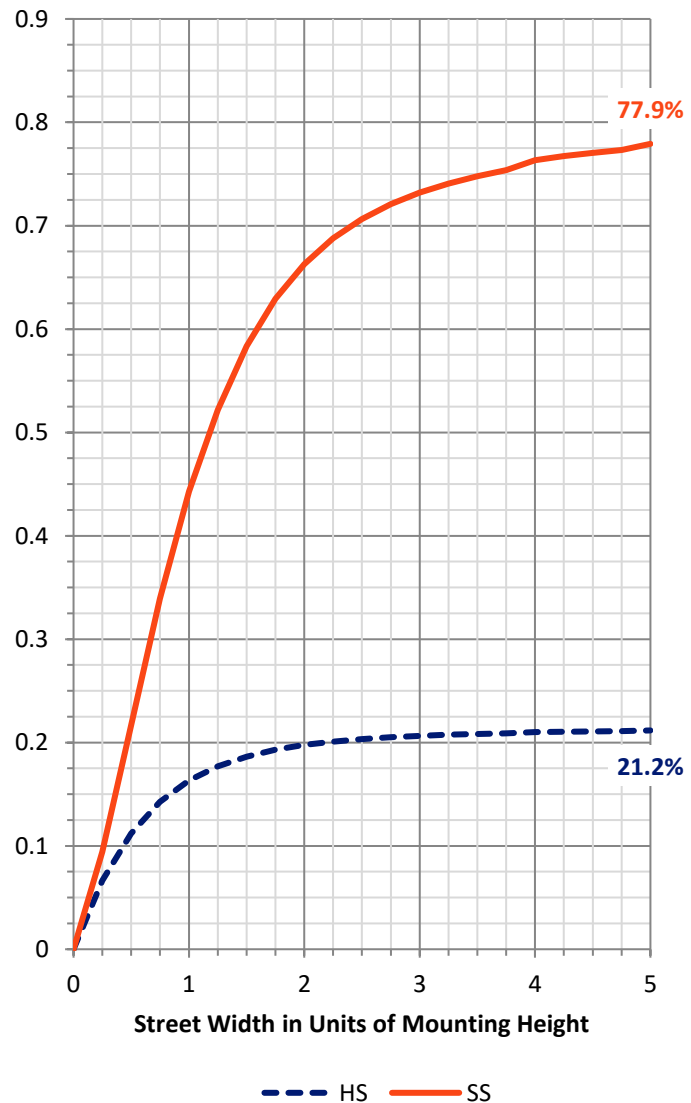
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1757.2	0.0	1757.2
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	6500.8	0.0	6500.8
	% Fixture	78.7	0.0	78.7
Total	Lumens	8258.0	0.0	8258.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.6	0.6
10°-20°	182.0	2.2
20°-30°	454.8	5.5
30°-40°	867.0	10.5
40°-50°	1304.4	15.8
50°-60°	1768.9	21.4
60°-70°	1929.9	23.4
70°-80°	1385.1	16.8
80°-90°	318.2	3.9
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°	8258.0	100.0
0°-180°	8258.0	100.0



REPORT NUMBER: P553774

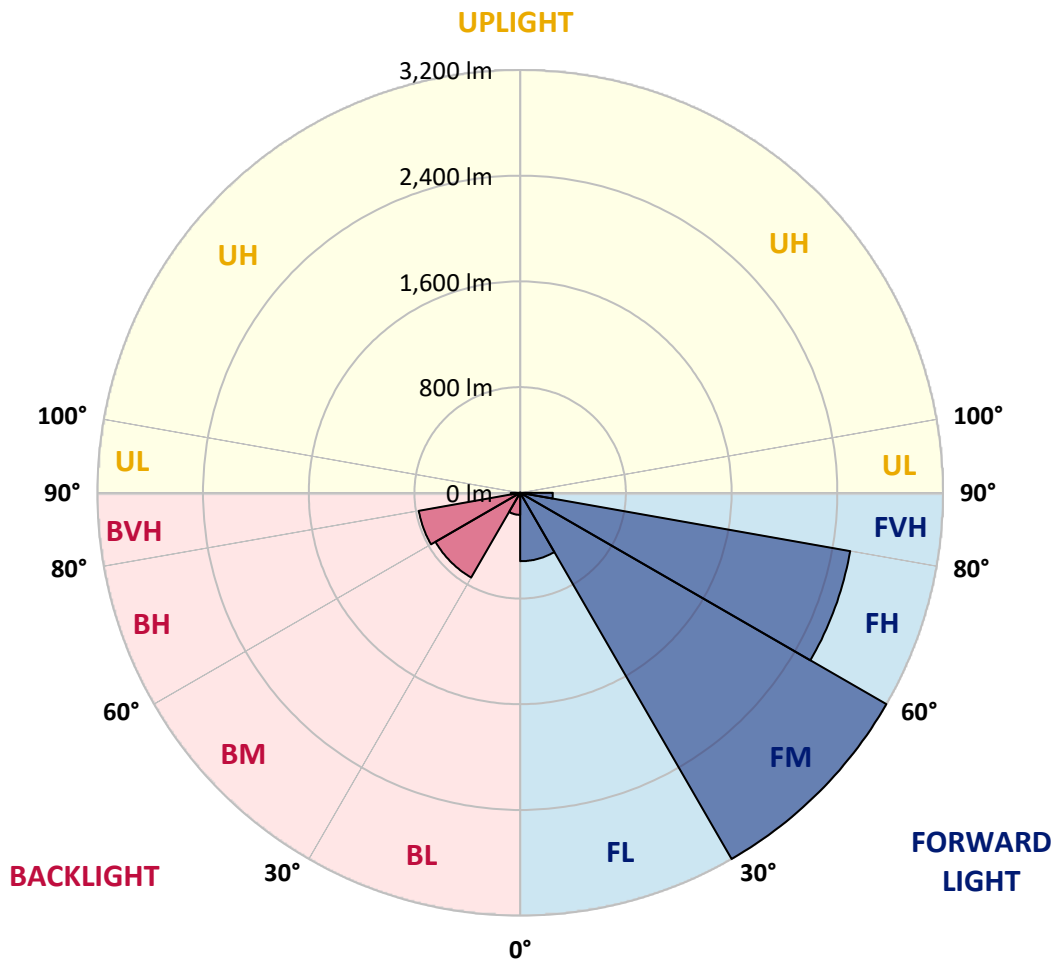
CATALOG NUMBER: LXS-VA3-740-U-ASW-C

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	517.6	6.3			
FM	(30°-60°)	3199.6	38.7			
FH	(60°-80°)	2536.0	30.7			G2/5000
FVH	(80°-90°)	247.5	3.0			G3/500
BL	(0°-30°)	166.9	2.0	B1/500		
BM	(30°-60°)	740.7	9.0	B1/1000		
BH	(60°-80°)	779.0	9.4	B2/1000		G2/1000
BVH	(80°-90°)	70.7	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





REPORT NUMBER: P553774

CATALOG NUMBER: LXS-VA3-740-U-ASW-C

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	466.8	466.8	466.8	466.8	466.8	466.8	466.8	466.8	466.8	466.8	466.8
2.5°	529.0	529.0	525.6	522.1	518.7	515.2	504.8	494.5	491.0	487.5	477.2
5°	598.2	598.2	591.3	584.4	570.5	560.2	539.4	522.1	511.7	504.8	484.1
7.5°	681.2	677.7	667.3	650.1	625.9	601.6	574.0	546.3	532.5	518.7	494.5
10°	774.5	767.6	746.9	719.2	684.6	650.1	608.6	574.0	556.7	539.4	504.8
12.5°	912.8	902.5	857.5	816.0	760.7	708.8	663.9	618.9	594.7	570.5	522.1
15°	1130.7	1109.9	1037.3	968.2	878.3	816.0	736.5	677.7	646.6	608.6	546.3
17.5°	1573.3	1549.1	1407.3	1237.9	1078.8	975.1	836.8	740.0	698.5	650.1	567.1
20°	1808.4	1798.0	1732.3	1614.8	1390.0	1203.3	1023.5	857.5	798.7	736.5	618.9
22.5°	1901.8	1894.8	1849.9	1801.5	1690.8	1462.6	1234.4	1023.5	940.5	850.6	691.5
25°	2047.0	2043.5	1988.2	1908.7	1849.9	1715.0	1445.3	1217.1	1099.6	992.4	781.4
27.5°	2147.3	2154.2	2136.9	2081.6	1960.5	1891.4	1663.2	1428.0	1300.1	1161.8	892.1
30°	2365.1	2351.3	2306.3	2251.0	2154.2	2029.7	1901.8	1649.3	1524.9	1358.9	1054.6
32.5°	2762.7	2728.2	2579.5	2434.2	2320.1	2174.9	2098.8	1856.8	1739.2	1569.8	1231.0
35°	2935.6	2935.6	2859.6	2662.5	2475.7	2361.6	2251.0	2071.2	1970.9	1798.0	1435.0
37.5°	3008.2	3008.2	2949.5	2842.3	2645.2	2513.8	2396.2	2278.7	2178.4	2029.7	1645.9
40°	3098.1	3080.8	2994.4	2894.1	2773.1	2638.3	2565.6	2468.8	2375.5	2254.4	1853.3
42.5°	3032.4	3042.8	2997.9	2897.6	2835.3	2745.4	2710.9	2638.3	2562.2	2458.5	2057.4
45°	2773.1	2790.4	2863.0	2880.3	2811.1	2818.1	2835.3	2790.4	2735.1	2648.6	2261.4
47.5°	2790.4	2790.4	2821.5	2828.4	2838.8	2880.3	2939.1	2935.6	2873.4	2818.1	2437.7
50°	3004.8	2984.0	2928.7	2918.3	2925.2	2942.5	3035.9	3056.6	2987.5	2956.4	2621.0
52.5°	3136.2	3108.5	2984.0	2949.5	2973.7	3042.8	3184.6	3205.3	3156.9	3080.8	2786.9
55°	3371.3	3354.0	3191.5	3004.8	3029.0	3153.5	3357.5	3402.4	3371.3	3236.4	2959.8
57.5°	3267.6	3250.3	3215.7	3032.4	3056.6	3195.0	3478.5	3603.0	3582.2	3443.9	3115.4
60°	3067.0	3056.6	3056.6	2959.8	2980.6	3153.5	3502.7	3741.3	3730.9	3620.3	3253.7
62.5°	2897.6	2880.3	2873.4	2811.1	2818.1	3046.3	3426.6	3765.5	3786.2	3713.6	3340.2
63°	2856.1	2838.8	2838.8	2773.1	2783.5	3018.6	3402.4	3758.6	3786.2	3720.5	3347.1
65°	2641.7	2634.8	2669.4	2614.1	2641.7	2887.2	3281.4	3686.0	3734.4	3703.2	3354.0
67.5°	2372.0	2361.6	2423.9	2389.3	2441.2	2686.7	3080.8	3509.6	3589.1	3575.3	3277.9
70°	2154.2	2136.9	2150.7	2157.6	2202.6	2444.6	2831.9	3239.9	3364.4	3371.3	3094.7
72.5°	1929.4	1908.7	1884.5	1881.0	1929.4	2161.1	2527.6	2894.1	3035.9	3053.2	2818.1
75°	1659.7	1639.0	1611.3	1597.5	1639.0	1846.4	2178.4	2493.0	2627.9	2648.6	2444.6
77.5°	1372.7	1362.3	1324.3	1303.6	1334.7	1507.6	1791.1	2043.5	2150.7	2174.9	1991.7
80°	1071.9	1058.1	1013.1	982.0	1013.1	1151.4	1362.3	1549.1	1618.2	1639.0	1473.0
82.5°	733.0	736.5	677.7	653.5	674.3	771.1	905.9	1016.6	1051.2	1051.2	947.4
85°	331.9	345.8	318.1	311.2	318.1	349.2	411.5	432.2	432.2	439.1	390.7
87.5°	13.8	13.8	13.8	13.8	10.4	6.9	6.9	6.9	6.9	6.9	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P553774
 CATALOG NUMBER: LXS-VA3-740-U-ASW-C

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	466.8	466.8	466.8	466.8	466.8	466.8	466.8	466.8	466.8	466.8	466.8
2.5°	470.3	466.8	456.4	449.5	442.6	439.1	432.2	428.8	428.8	425.3	428.8
5°	473.7	466.8	453.0	439.1	425.3	418.4	408.0	401.1	397.6	397.6	397.6
7.5°	480.6	470.3	449.5	432.2	414.9	401.1	390.7	383.8	376.9	373.4	373.4
10°	491.0	477.2	449.5	425.3	404.6	390.7	376.9	366.5	359.6	356.1	356.1
12.5°	501.4	484.1	449.5	421.8	401.1	380.4	366.5	352.7	345.8	338.9	338.9
15°	518.7	494.5	453.0	418.4	394.2	370.0	352.7	338.9	328.5	325.0	325.0
17.5°	535.9	508.3	456.4	418.4	390.7	363.1	342.3	325.0	314.7	311.2	311.2
20°	577.4	542.9	477.2	428.8	390.7	359.6	335.4	314.7	300.8	293.9	293.9
22.5°	629.3	584.4	501.4	442.6	394.2	356.1	328.5	304.3	290.5	280.1	280.1
25°	701.9	636.2	529.0	456.4	397.6	356.1	321.6	293.9	276.6	266.2	266.2
27.5°	778.0	698.5	567.1	473.7	408.0	356.1	314.7	283.5	262.8	252.4	252.4
30°	895.6	774.5	601.6	494.5	418.4	352.7	307.7	273.2	249.0	235.1	235.1
32.5°	1044.2	895.6	639.7	518.7	425.3	356.1	300.8	259.3	235.1	221.3	221.3
35°	1203.3	1026.9	708.8	535.9	435.7	352.7	290.5	249.0	221.3	210.9	207.5
37.5°	1403.8	1186.0	795.3	560.2	446.0	352.7	287.0	238.6	214.4	200.5	200.5
40°	1594.0	1365.8	909.4	608.6	453.0	356.1	283.5	235.1	210.9	197.1	193.6
42.5°	1791.1	1535.2	1044.2	674.3	466.8	366.5	283.5	231.7	204.0	190.2	190.2
45°	1988.2	1708.1	1175.6	757.2	501.4	373.4	283.5	228.2	197.1	186.7	183.3
47.5°	2171.5	1894.8	1313.9	847.1	542.9	376.9	283.5	221.3	190.2	179.8	176.3
50°	2347.8	2067.7	1459.2	950.9	584.4	376.9	283.5	217.8	186.7	172.9	172.9
52.5°	2517.2	2240.6	1590.6	1037.3	632.8	401.1	280.1	214.4	179.8	169.4	166.0
55°	2669.4	2382.4	1715.0	1116.9	681.2	421.8	280.1	207.5	172.9	162.5	159.1
57.5°	2821.5	2510.3	1825.7	1186.0	729.6	442.6	276.6	204.0	166.0	155.6	155.6
60°	2963.3	2638.3	1922.5	1241.3	764.2	456.4	269.7	193.6	159.1	148.7	145.2
62.5°	3060.1	2735.1	1991.7	1275.9	784.9	463.3	269.7	183.3	148.7	138.3	138.3
63°	3073.9	2752.4	2002.0	1279.4	788.4	466.8	269.7	183.3	148.7	138.3	134.9
65°	3084.3	2783.5	2026.2	1286.3	791.8	466.8	262.8	172.9	138.3	127.9	127.9
67.5°	3025.5	2752.4	2005.5	1272.4	774.5	453.0	252.4	155.6	124.5	114.1	114.1
70°	2873.4	2621.0	1912.1	1217.1	736.5	425.3	235.1	138.3	110.6	100.3	100.3
72.5°	2610.6	2392.8	1746.2	1113.4	670.8	387.3	210.9	121.0	96.8	89.9	86.4
75°	2257.9	2071.2	1504.1	964.7	577.4	331.9	183.3	103.7	79.5	72.6	72.6
77.5°	1825.7	1694.3	1210.2	774.5	466.8	269.7	148.7	86.4	62.2	58.8	58.8
80°	1341.6	1237.9	871.4	563.6	335.4	197.1	110.6	65.7	41.5	41.5	41.5
82.5°	819.5	760.7	525.6	338.9	197.1	117.6	69.2	41.5	27.7	24.2	24.2
85°	321.6	311.2	204.0	114.1	58.8	38.0	27.7	17.3	13.8	10.4	6.9
87.5°	3.5	3.5	6.9	3.5	3.5	3.5	3.5	0.0	0.0	0.0	0.0
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)