

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: P553781

Luminaire Tested: **LXS-VA3-830-U-ASC-S**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553781
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-VA3-830-U-ASC-S
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE II OPTIC, SPIDER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5547 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Short
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

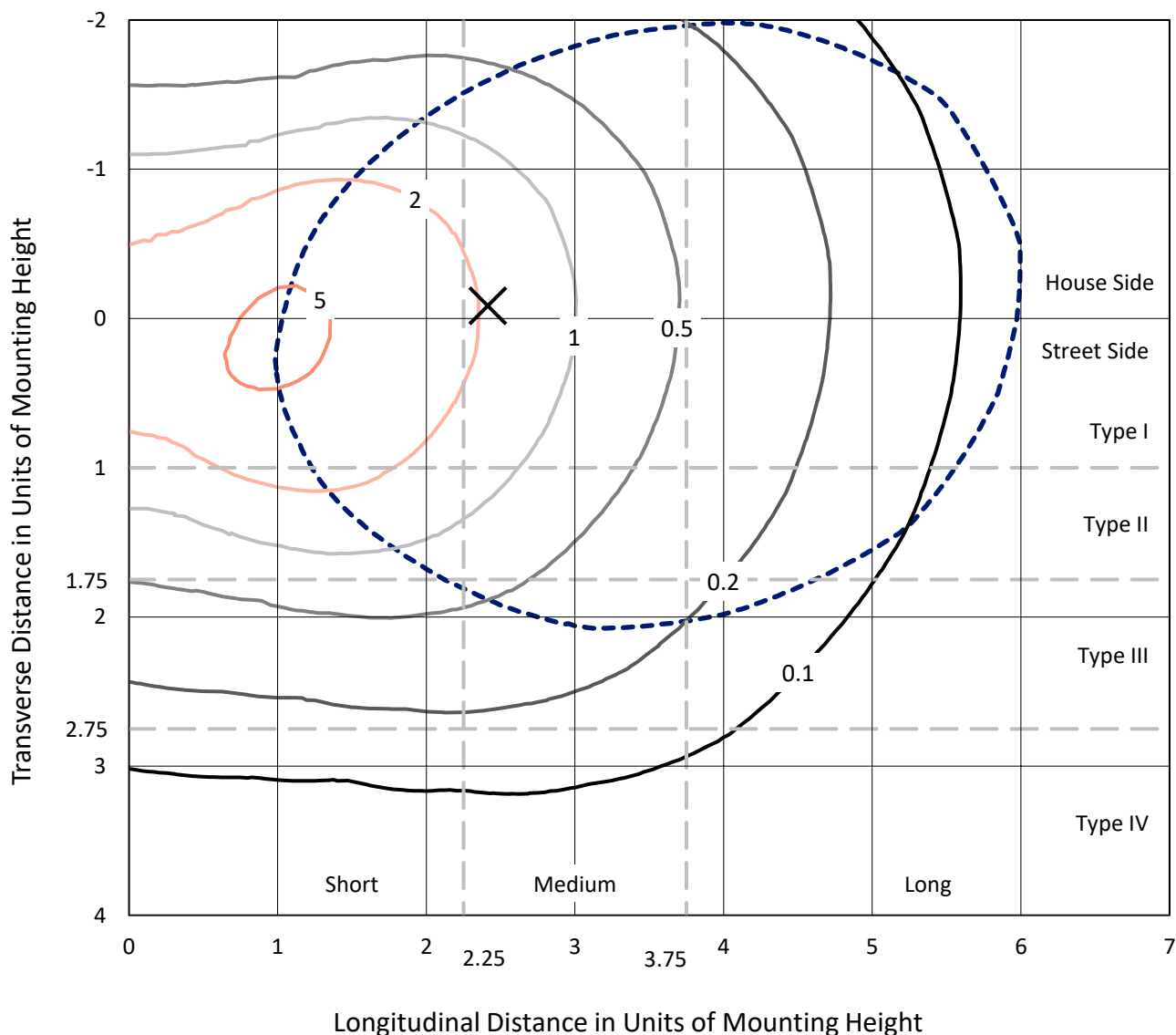


REPORT NUMBER: P553781

CATALOG NUMBER: LXS-VA3-830-U-ASC-S

Iso-Footcandle Lines of Horizontal Illumination

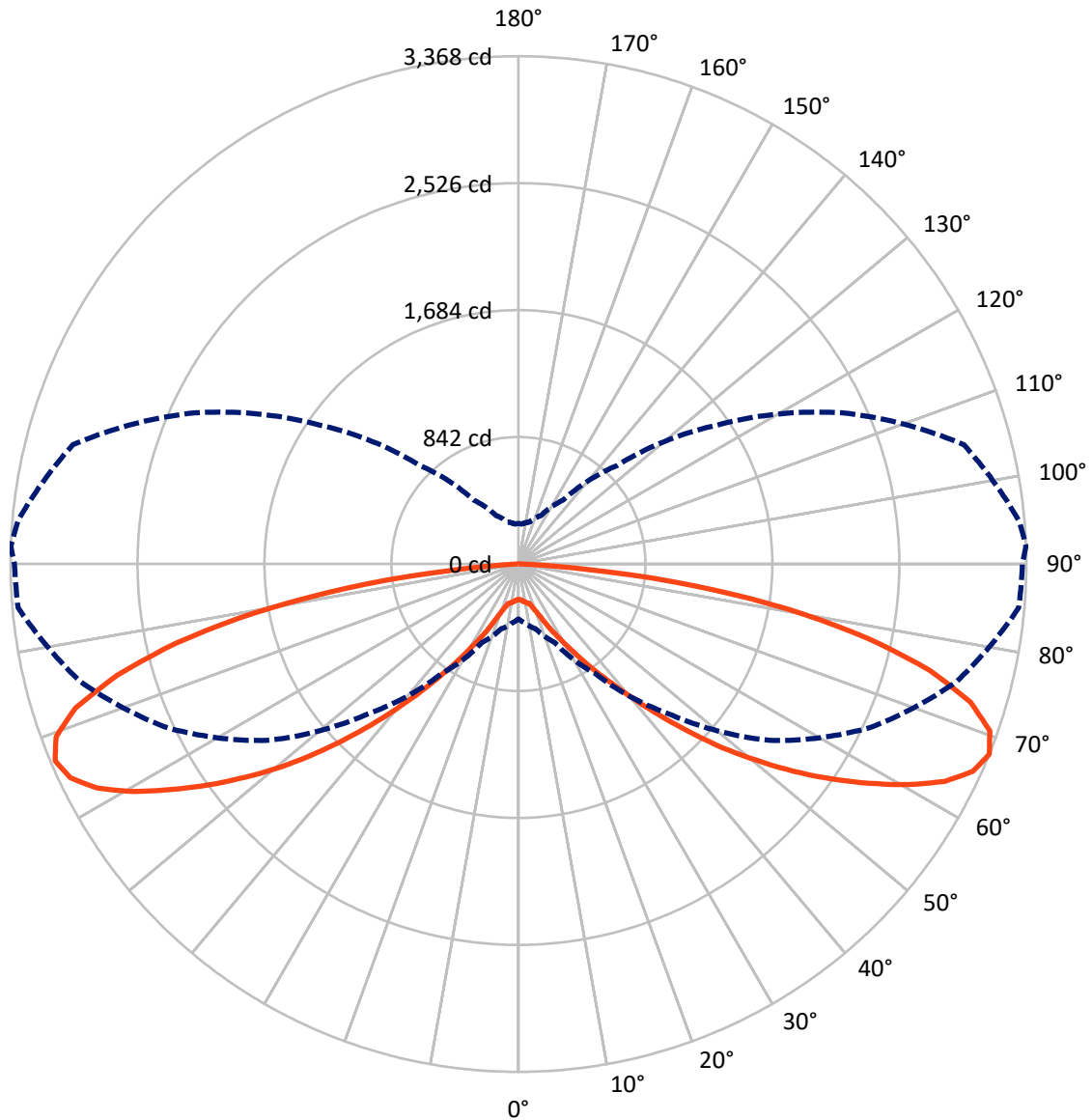
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Short - N/A

REPORT NUMBER: P553781
CATALOG NUMBER: LXS-VA3-830-U-ASC-S

Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P553781

CATALOG NUMBER: LXS-VA3-830-U-ASC-S

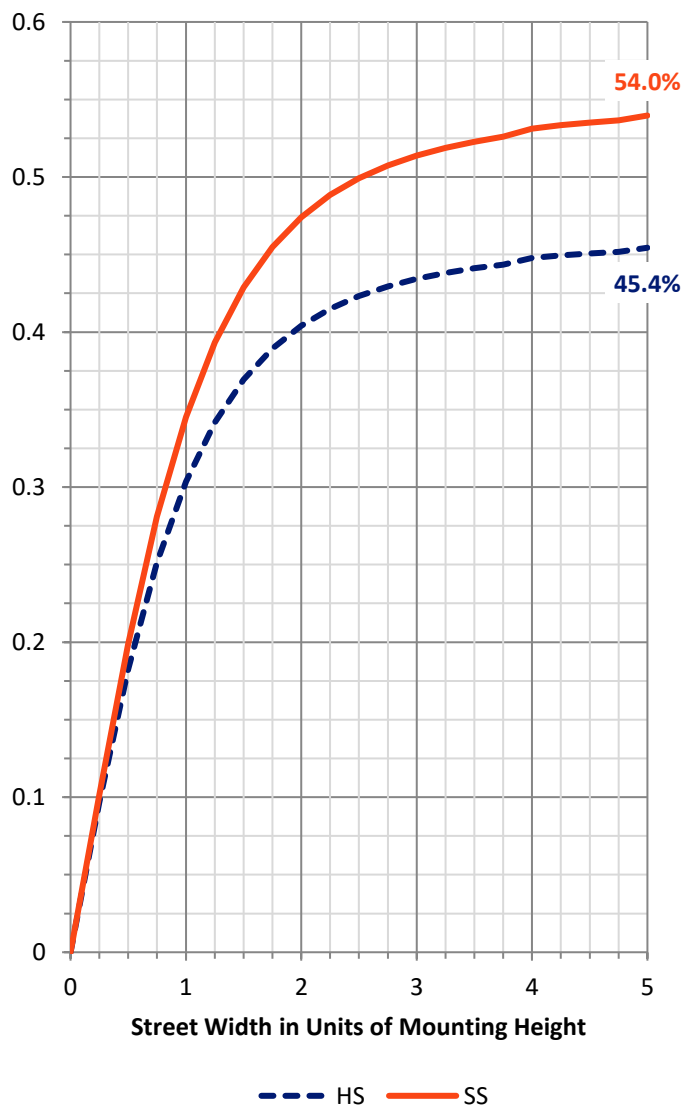
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2537.7	0.0	2537.7
	% Fixture	45.7	0.0	45.7
Street Side	Lumens	3009.3	0.0	3009.3
	% Fixture	54.3	0.0	54.3
Total	Lumens	5547.0	0.0	5547.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.6	0.4
10°-20°	78.1	1.4
20°-30°	177.1	3.2
30°-40°	376.6	6.8
40°-50°	699.3	12.6
50°-60°	1127.7	20.3
60°-70°	1485.0	26.8
70°-80°	1265.3	22.8
80°-90°	314.3	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°	5547.0	100.0
0°-180°	5547.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553781

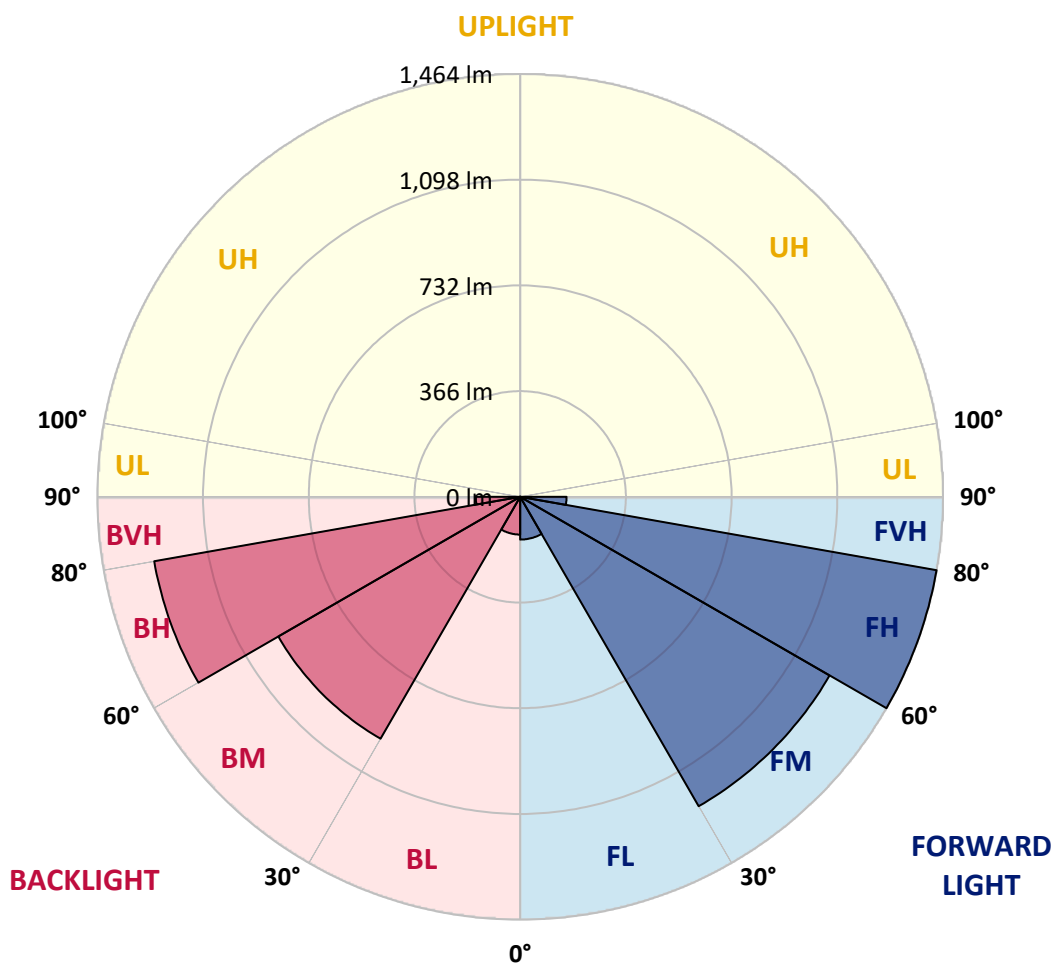
CATALOG NUMBER: LXS-VA3-830-U-ASC-S

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	148.1	2.7			
FM (30°-60°)	1236.8	22.3			
FH (60°-80°)	1463.8	26.4			G1/1800
FVH (80°-90°)	160.6	2.9			G2/225
BL (0°-30°)	130.7	2.4	B1/500		
BM (30°-60°)	966.9	17.4	B1/1000		
BH (60°-80°)	1286.4	23.2	B3/2500		G3/2500
BVH (80°-90°)	153.7	2.8			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 Short





REPORT NUMBER: P553781
 CATALOG NUMBER: LXS-VA3-830-U-ASC-S

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3
2.5°	237.2	237.2	237.2	237.2	240.1	240.1	237.2	237.2	237.2	237.2	237.2
5°	245.9	243.0	245.9	245.9	245.9	245.9	243.0	243.0	243.0	243.0	243.0
7.5°	248.8	248.8	248.8	248.8	251.7	251.7	251.7	248.8	248.8	248.8	251.7
10°	248.8	251.7	251.7	254.6	257.5	260.4	260.4	257.5	257.5	257.5	257.5
12.5°	257.5	257.5	257.5	260.4	266.2	266.2	269.0	269.0	266.2	263.3	266.2
15°	266.2	266.2	269.0	271.9	277.7	277.7	277.7	277.7	274.8	271.9	269.0
17.5°	280.6	280.6	286.4	289.3	298.0	300.9	303.8	306.7	303.8	298.0	298.0
20°	300.9	300.9	306.7	312.4	318.2	326.9	332.7	332.7	332.7	332.7	332.7
22.5°	309.6	312.4	321.1	335.6	347.2	358.7	367.4	376.1	387.7	387.7	384.8
25°	318.2	321.1	335.6	352.9	379.0	402.1	431.1	460.0	474.5	462.9	460.0
27.5°	332.7	335.6	350.1	373.2	407.9	460.0	517.8	564.1	575.7	546.8	538.1
30°	341.4	344.3	367.4	396.3	436.8	526.5	613.3	674.1	677.0	642.2	627.8
32.5°	361.6	364.5	384.8	419.5	486.0	601.7	723.3	789.8	804.3	763.8	740.6
35°	387.7	390.6	410.8	448.4	543.9	688.5	833.2	902.6	937.3	902.6	867.9
37.5°	396.3	402.1	425.3	477.3	598.9	781.1	940.2	1032.8	1090.7	1055.9	1018.3
40°	405.0	407.9	431.1	503.4	650.9	862.1	1047.3	1183.2	1261.4	1229.5	1194.8
42.5°	410.8	413.7	436.8	523.6	700.1	925.8	1157.2	1342.4	1446.5	1429.1	1391.5
45°	410.8	413.7	442.6	546.8	743.5	992.3	1270.0	1498.6	1643.2	1643.2	1599.8
47.5°	413.7	413.7	442.6	569.9	778.2	1064.6	1385.8	1646.1	1831.3	1874.7	1819.7
50°	422.4	425.3	460.0	587.3	824.5	1145.6	1513.0	1799.5	2022.2	2091.6	2056.9
52.5°	422.4	422.4	471.6	610.4	865.0	1212.2	1623.0	1955.7	2218.9	2302.8	2288.4
55°	434.0	436.8	486.0	636.5	896.8	1284.5	1738.7	2111.9	2415.7	2522.7	2519.8
57.5°	431.1	439.7	497.6	648.0	928.7	1368.4	1874.7	2262.3	2615.3	2757.0	2739.7
60°	419.5	431.1	497.6	648.0	948.9	1426.3	1990.4	2412.8	2780.2	2985.6	2962.4
62.5°	405.0	419.5	486.0	636.5	946.0	1449.4	2056.9	2525.6	2910.4	3176.5	3156.3
65°	387.7	410.8	468.7	610.4	922.9	1440.7	2074.3	2583.5	2991.4	3298.0	3289.3
67.5°	364.5	387.7	445.5	575.7	885.3	1400.2	2039.6	2569.0	3008.7	3329.9	3341.4
70°	338.5	358.7	410.8	532.3	830.3	1330.8	1958.6	2473.5	2933.5	3251.7	3286.5
72.5°	312.4	324.0	370.3	474.5	749.3	1226.6	1819.7	2299.9	2757.0	3055.0	3107.1
75°	280.6	286.4	324.0	410.8	648.0	1084.9	1625.9	2028.0	2453.3	2736.8	2774.4
77.5°	240.1	240.1	271.9	335.6	535.2	902.6	1365.5	1704.0	2071.4	2294.2	2352.0
80°	193.8	190.9	208.3	254.6	399.2	679.9	1047.3	1293.2	1585.4	1753.2	1799.5
82.5°	138.9	136.0	141.8	162.0	254.6	445.5	679.9	833.2	1032.8	1137.0	1165.9
85°	72.3	72.3	72.3	78.1	107.0	182.3	277.7	306.7	436.8	451.3	471.6
87.5°	17.4	17.4	17.4	14.5	11.6	11.6	8.7	8.7	8.7	8.7	5.8
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: P553781
 CATALOG NUMBER: LXS-VA3-830-U-ASC-S

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3	234.3
2.5°	237.2	237.2	237.2	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1
5°	243.0	245.9	245.9	245.9	245.9	243.0	243.0	243.0	240.1	240.1	240.1
7.5°	251.7	251.7	251.7	248.8	248.8	248.8	245.9	245.9	245.9	245.9	245.9
10°	257.5	257.5	257.5	254.6	254.6	254.6	254.6	251.7	248.8	248.8	248.8
12.5°	266.2	266.2	263.3	260.4	260.4	260.4	257.5	251.7	248.8	248.8	248.8
15°	271.9	269.0	266.2	263.3	263.3	263.3	257.5	254.6	251.7	248.8	248.8
17.5°	298.0	295.1	289.3	280.6	277.7	274.8	269.0	263.3	257.5	251.7	251.7
20°	335.6	329.8	321.1	303.8	292.2	289.3	286.4	269.0	254.6	248.8	248.8
22.5°	387.7	384.8	358.7	335.6	318.2	309.6	300.9	280.6	263.3	251.7	248.8
25°	457.1	442.6	410.8	379.0	352.9	329.8	318.2	298.0	277.7	266.2	266.2
27.5°	532.3	517.8	477.3	439.7	399.2	352.9	335.6	309.6	289.3	286.4	286.4
30°	622.0	604.6	555.5	500.5	442.6	379.0	350.1	315.3	300.9	303.8	306.7
32.5°	729.0	705.9	639.4	572.8	491.8	410.8	361.6	326.9	312.4	315.3	315.3
35°	859.2	830.3	749.3	653.8	541.0	442.6	373.2	341.4	321.1	315.3	315.3
37.5°	1001.0	969.2	873.7	755.1	601.7	468.7	390.6	350.1	329.8	321.1	321.1
40°	1174.6	1131.2	1009.7	865.0	671.2	503.4	407.9	364.5	341.4	324.0	324.0
42.5°	1368.4	1322.1	1168.8	983.6	752.2	546.8	425.3	381.9	341.4	324.0	324.0
45°	1582.5	1530.4	1348.1	1113.8	836.1	590.2	445.5	387.7	344.3	326.9	326.9
47.5°	1819.7	1767.6	1547.8	1255.6	920.0	630.7	468.7	396.3	350.1	329.8	329.8
50°	2045.4	1996.2	1764.7	1411.8	1012.6	671.2	486.0	407.9	347.2	326.9	324.0
52.5°	2282.6	2218.9	1990.4	1576.7	1119.6	723.3	503.4	410.8	347.2	326.9	326.9
55°	2514.0	2441.7	2227.6	1753.2	1229.5	781.1	523.6	410.8	347.2	324.0	324.0
57.5°	2742.6	2670.2	2459.1	1932.5	1333.7	827.4	538.1	410.8	341.4	318.2	318.2
60°	2971.1	2904.6	2673.1	2097.4	1429.1	865.0	543.9	407.9	332.7	312.4	309.6
62.5°	3173.6	3112.9	2855.4	2233.4	1513.0	896.8	541.0	393.4	324.0	300.9	300.9
65°	3312.5	3263.3	2991.4	2328.9	1576.7	920.0	535.2	376.1	309.6	286.4	283.5
67.5°	3367.5	3329.9	3057.9	2372.3	1605.6	922.9	517.8	355.8	289.3	266.2	269.0
70°	3315.4	3286.5	3029.0	2349.1	1588.3	896.8	488.9	329.8	266.2	245.9	245.9
72.5°	3133.1	3118.7	2872.8	2239.2	1507.3	841.9	445.5	295.1	240.1	219.9	222.8
75°	2817.8	2817.8	2595.0	2039.6	1365.5	758.0	393.4	254.6	211.2	193.8	193.8
77.5°	2369.4	2380.9	2187.1	1735.8	1163.0	642.2	329.8	214.1	176.5	162.0	162.0
80°	1811.0	1819.7	1672.2	1359.7	911.3	506.3	254.6	164.9	136.0	124.4	127.3
82.5°	1165.9	1174.6	1082.0	896.8	616.2	347.2	176.5	112.8	95.5	86.8	86.8
85°	460.0	474.5	434.0	364.5	283.5	173.6	89.7	57.9	55.0	46.3	43.4
87.5°	8.7	8.7	11.6	17.4	23.1	23.1	17.4	14.5	14.5	17.4	14.5
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)