

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: P553780

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553780
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-VA3-830-U-ASC-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE II OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5787 lumens
Efficiency: N/A
Efficacy: 58.5 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

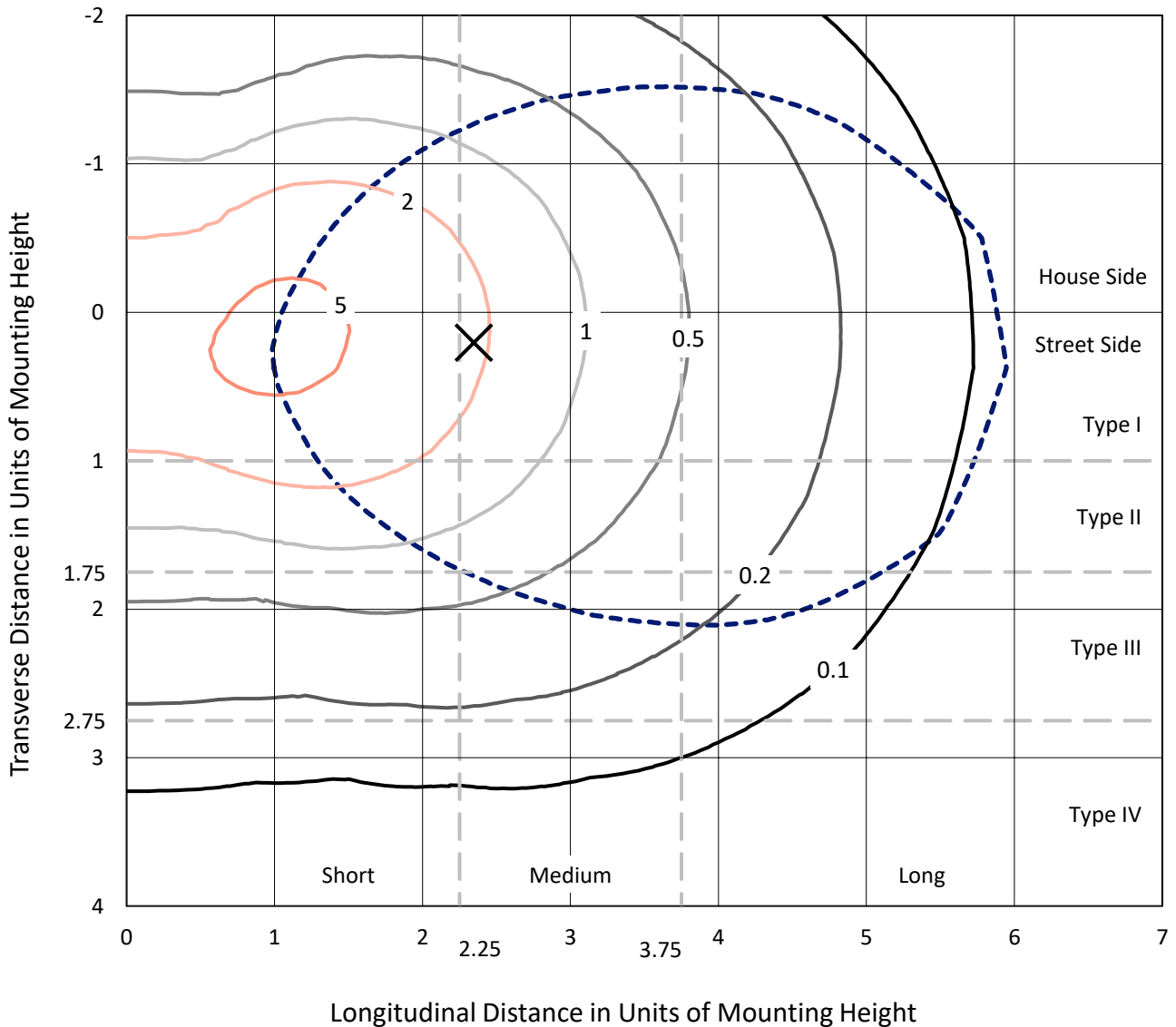
Input Watts (W): 99
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P553780
 CATALOG NUMBER: LXS-VA3-830-U-ASC-C

Iso-Footcandle Lines of Horizontal Illumination

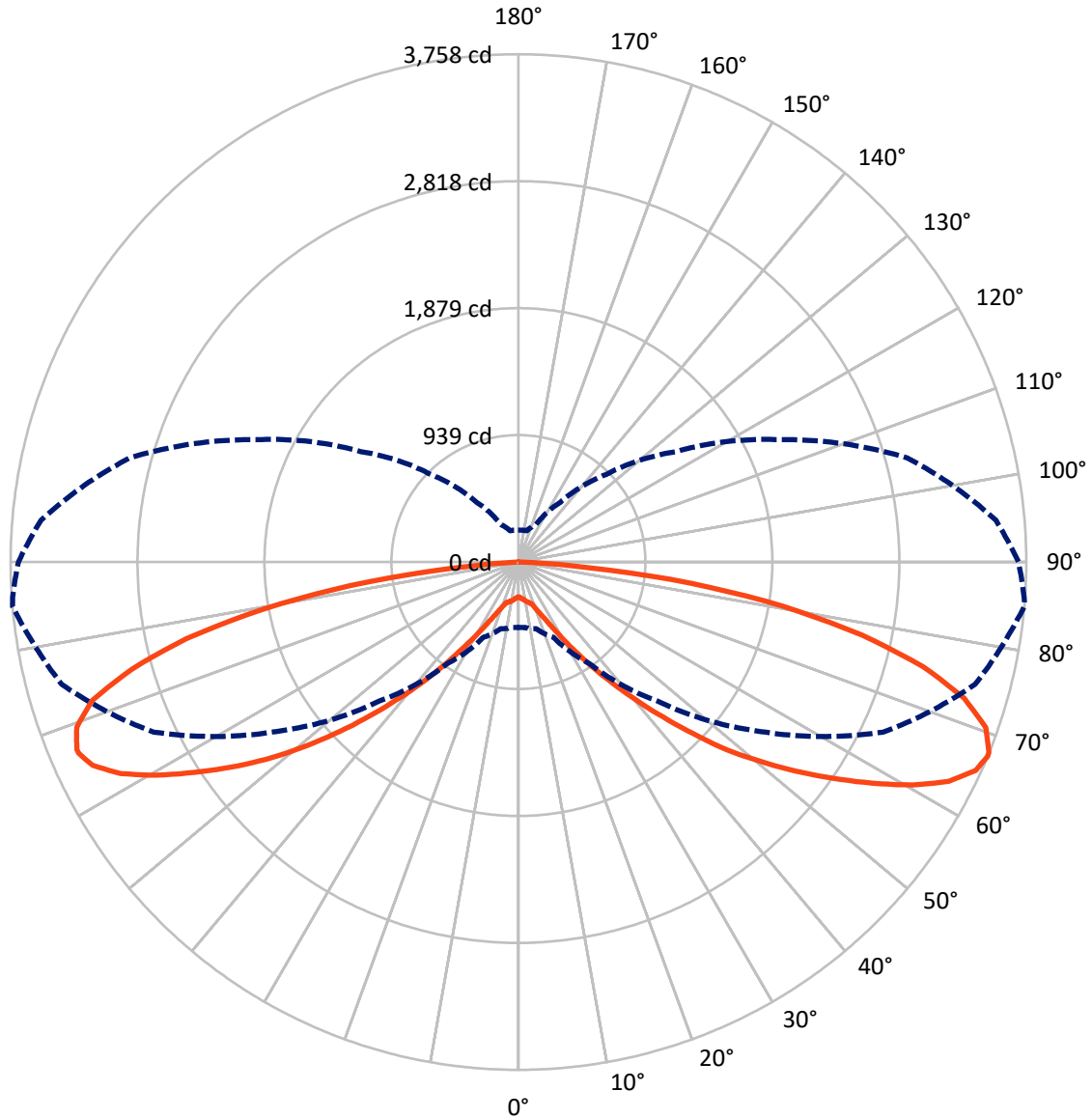
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P553780
CATALOG NUMBER: LXS-VA3-830-U-ASC-C

Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P553780

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

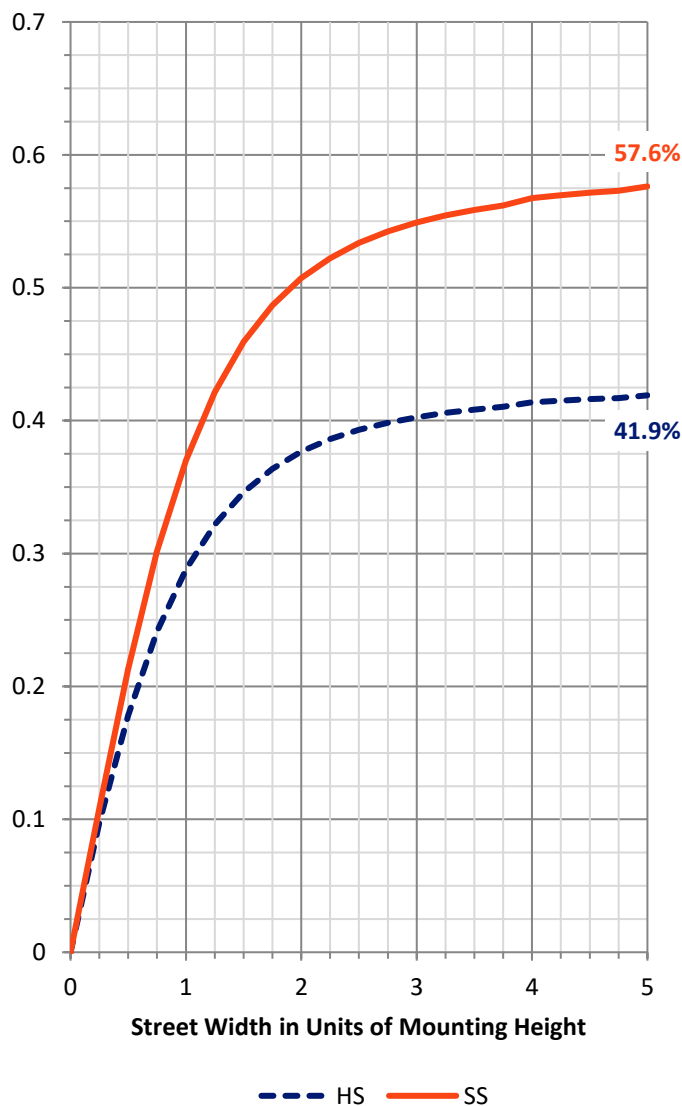
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2436.4	0.0	2436.4
	% Fixture	42.1	0.0	42.1
Street Side	Lumens	3350.6	0.0	3350.6
	% Fixture	57.9	0.0	57.9
Total	Lumens	5787.0	0.0	5787.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.1	0.5
10°-20°	86.5	1.5
20°-30°	187.7	3.2
30°-40°	389.1	6.7
40°-50°	725.6	12.5
50°-60°	1177.8	20.4
60°-70°	1556.4	26.9
70°-80°	1320.7	22.8
80°-90°	316.9	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°	5787.0	100.0
0°-180°	5787.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553780

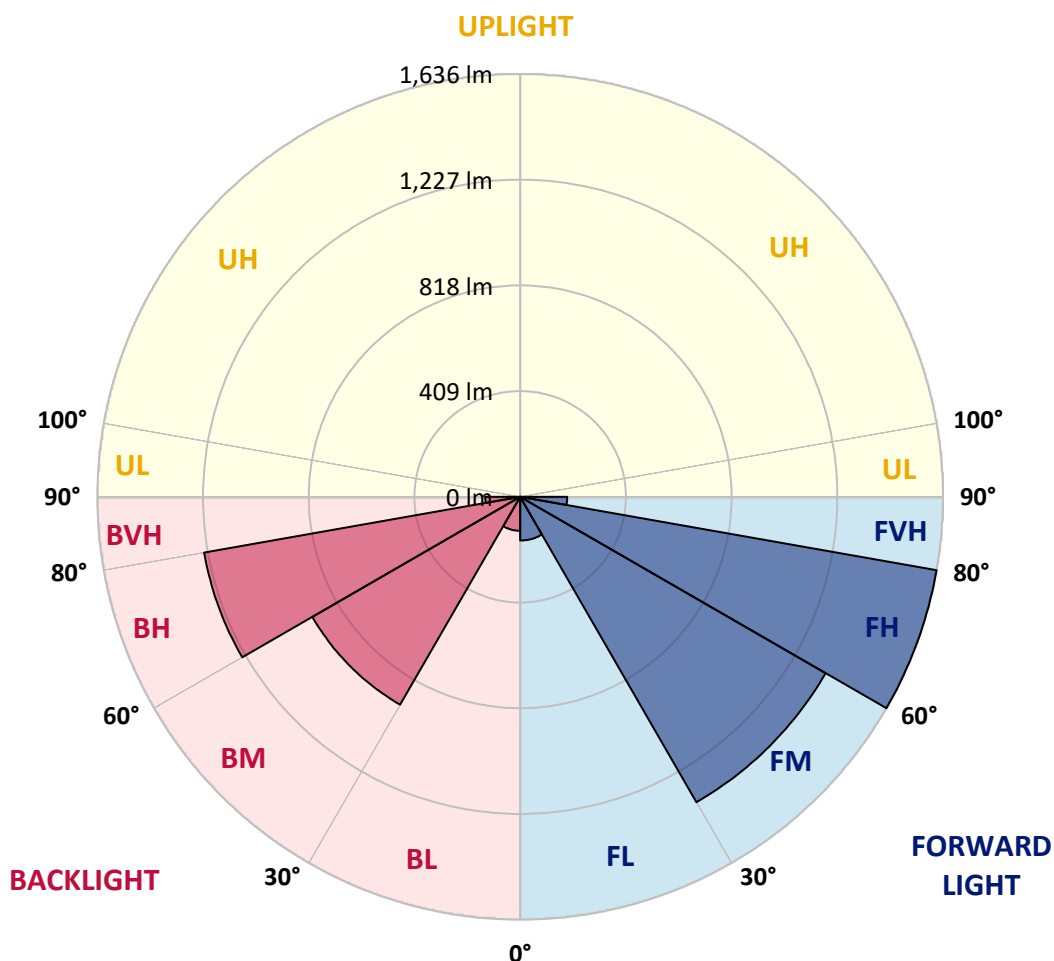
CATALOG NUMBER: LXS-VA3-830-U-ASC-C

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	168.9	2.9			
FM	(30°-60°)	1364.2	23.6			
FH	(60°-80°)	1635.7	28.3			G1/1800
FVH	(80°-90°)	181.8	3.1			G2/225
BL	(0°-30°)	131.4	2.3	B1/500		
BM	(30°-60°)	928.3	16.0	B1/1000		
BH	(60°-80°)	1241.5	21.5	B3/2500		G3/2500
BVH	(80°-90°)	135.1	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





REPORT NUMBER: P553780
 CATALOG NUMBER: LXS-VA3-830-U-ASC-C

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	86°
0°	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2
2.5°	263.0	265.9	265.9	265.9	265.9	265.9	263.0	263.0	263.0	263.0	263.0
5°	274.6	274.6	274.6	274.6	274.6	274.6	274.6	271.7	271.7	271.7	271.7
7.5°	280.4	280.4	280.4	283.3	286.2	286.2	286.2	283.3	280.4	280.4	280.4
10°	283.3	283.3	286.2	289.0	294.8	297.7	297.7	297.7	291.9	291.9	291.9
12.5°	294.8	294.8	294.8	300.6	306.4	312.2	315.1	315.1	306.4	303.5	303.5
15°	306.4	306.4	309.3	315.1	323.7	329.5	329.5	332.4	323.7	315.1	312.2
17.5°	323.7	323.7	326.6	335.3	346.8	349.7	349.7	349.7	341.1	326.6	326.6
20°	349.7	349.7	355.5	364.2	375.8	384.4	393.1	390.2	384.4	367.1	364.2
22.5°	364.2	367.1	375.8	390.2	410.4	424.9	445.1	445.1	442.2	416.2	416.2
25°	378.6	378.6	387.3	410.4	445.1	474.0	511.6	520.3	511.6	479.8	476.9
27.5°	398.9	398.9	410.4	433.6	476.9	531.8	583.9	618.5	609.9	560.7	555.0
30°	422.0	422.0	436.5	468.2	514.5	592.5	673.5	739.9	737.1	676.4	673.5
32.5°	448.0	448.0	462.5	497.2	563.6	650.3	771.7	861.3	875.8	812.2	812.2
35°	482.7	485.6	500.0	531.8	612.8	725.5	875.8	991.4	1026.1	968.3	962.5
37.5°	494.3	497.2	520.3	572.3	659.0	818.0	982.7	1138.8	1202.4	1144.6	1133.0
40°	502.9	505.8	528.9	592.5	708.2	893.1	1095.5	1303.6	1399.0	1344.0	1329.6
42.5°	511.6	514.5	537.6	604.1	751.5	959.6	1211.1	1479.9	1615.7	1566.6	1552.1
45°	511.6	514.5	543.4	615.7	786.2	1023.2	1335.4	1653.3	1838.3	1809.4	1797.8
47.5°	511.6	514.5	546.3	633.0	809.3	1098.4	1459.7	1826.7	2052.2	2075.3	2049.3
50°	526.1	531.8	560.7	644.6	852.7	1179.3	1581.1	2003.1	2269.0	2318.1	2300.8
52.5°	528.9	531.8	566.5	659.0	893.1	1254.4	1705.3	2182.3	2497.3	2569.6	2546.5
55°	549.2	549.2	578.1	679.2	924.9	1329.6	1838.3	2364.4	2748.8	2823.9	2809.5
57.5°	552.1	557.8	583.9	687.9	956.7	1410.5	1982.8	2552.2	2982.9	3087.0	3066.7
60°	543.4	546.3	578.1	682.1	974.1	1468.3	2101.3	2737.2	3188.1	3350.0	3329.8
62.5°	526.1	528.9	560.7	670.6	971.2	1491.5	2179.4	2881.7	3350.0	3572.5	3552.3
65°	505.8	508.7	537.6	644.6	948.1	1482.8	2202.5	2965.6	3465.6	3717.1	3708.4
67°	482.7	485.6	511.6	615.7	916.3	1453.9	2185.1	2977.1	3497.4	3757.5	3751.8
67.5°	474.0	479.8	505.8	607.0	907.6	1442.3	2173.6	2971.3	3497.4	3754.6	3751.8
70°	436.5	439.3	465.4	557.8	849.8	1370.1	2089.8	2878.8	3430.9	3667.9	3673.7
72.5°	390.2	393.1	413.3	500.0	774.6	1260.2	1948.1	2696.8	3231.5	3448.3	3462.7
75°	338.2	341.1	358.4	436.5	667.7	1109.9	1740.0	2410.6	2913.5	3092.7	3089.8
77.5°	280.4	280.4	294.8	355.5	552.1	922.0	1465.4	2032.0	2454.0	2595.6	2595.6
80°	213.9	216.8	228.3	265.9	416.2	693.7	1130.1	1581.1	1884.5	1982.8	2005.9
82.5°	141.6	144.5	153.2	170.5	268.8	450.9	739.9	1046.3	1237.1	1286.2	1303.6
85°	69.4	63.6	69.4	78.0	115.6	182.1	306.4	413.3	514.5	508.7	537.6
87.5°	11.6	11.6	11.6	11.6	11.6	8.7	8.7	8.7	8.7	5.8	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: P553780
 CATALOG NUMBER: LXS-VA3-830-U-ASC-C

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2
2.5°	263.0	263.0	263.0	263.0	263.0	263.0	263.0	260.1	260.1	260.1	260.1
5°	271.7	268.8	268.8	268.8	265.9	263.0	263.0	260.1	260.1	260.1	257.2
7.5°	280.4	280.4	277.5	271.7	268.8	265.9	265.9	263.0	263.0	263.0	263.0
10°	289.0	289.0	283.3	280.4	274.6	271.7	271.7	268.8	265.9	263.0	263.0
12.5°	300.6	297.7	289.0	283.3	280.4	280.4	274.6	268.8	265.9	263.0	263.0
15°	309.3	306.4	291.9	283.3	280.4	277.5	274.6	268.8	265.9	265.9	265.9
17.5°	320.8	315.1	294.8	286.2	280.4	277.5	277.5	274.6	271.7	268.8	268.8
20°	355.5	346.8	320.8	303.5	291.9	289.0	289.0	280.4	271.7	271.7	271.7
22.5°	401.8	387.3	349.7	323.7	306.4	303.5	294.8	283.3	277.5	274.6	274.6
25°	465.4	442.2	396.0	352.6	326.6	315.1	303.5	291.9	283.3	280.4	280.4
27.5°	534.7	511.6	453.8	396.0	355.5	329.5	315.1	300.6	286.2	280.4	280.4
30°	638.8	604.1	523.2	448.0	384.4	346.8	326.6	306.4	291.9	286.2	286.2
32.5°	766.0	716.8	601.2	508.7	424.9	367.1	335.3	315.1	297.7	291.9	289.0
35°	913.4	852.7	705.3	569.4	462.5	390.2	344.0	320.8	297.7	289.0	289.0
37.5°	1089.7	1020.3	835.3	653.2	514.5	413.3	355.5	323.7	300.6	294.8	294.8
40°	1277.6	1202.4	982.7	766.0	575.2	442.2	367.1	329.5	306.4	297.7	297.7
42.5°	1494.3	1401.8	1156.2	890.2	650.3	488.5	384.4	335.3	306.4	297.7	294.8
45°	1731.4	1627.3	1329.6	1020.3	745.7	537.6	407.5	335.3	309.3	300.6	297.7
47.5°	1982.8	1867.2	1520.4	1164.8	835.3	581.0	427.8	335.3	312.2	300.6	297.7
50°	2243.0	2118.7	1722.7	1312.2	936.5	633.0	445.1	338.2	309.3	297.7	294.8
52.5°	2506.0	2370.1	1948.1	1471.2	1034.8	696.6	465.4	341.1	306.4	297.7	294.8
55°	2769.0	2612.9	2176.5	1627.3	1138.8	766.0	491.4	341.1	306.4	294.8	291.9
57.5°	3014.7	2855.7	2410.6	1777.6	1234.2	820.9	508.7	344.0	297.7	286.2	283.3
60°	3277.7	3107.2	2618.7	1922.1	1315.1	867.1	523.2	341.1	283.3	280.4	277.5
62.5°	3488.7	3332.6	2789.2	2034.8	1372.9	898.9	537.6	332.4	271.7	268.8	268.8
65°	3644.8	3491.6	2922.2	2115.8	1416.3	919.1	543.4	317.9	254.4	251.5	251.5
67°	3699.7	3546.5	2977.1	2141.8	1425.0	916.3	540.5	306.4	239.9	237.0	237.0
67.5°	3702.6	3549.4	2982.9	2141.8	1425.0	913.4	537.6	306.4	237.0	234.1	234.1
70°	3639.0	3488.7	2948.2	2104.2	1390.3	878.7	511.6	286.2	213.9	211.0	213.9
72.5°	3436.7	3318.2	2789.2	2003.1	1300.7	812.2	474.0	260.1	190.8	187.9	187.9
75°	3078.3	2971.3	2508.9	1794.9	1161.9	711.0	419.1	234.1	167.6	159.0	161.9
77.5°	2584.0	2520.4	2104.2	1523.2	965.4	589.6	349.7	196.5	135.8	127.2	130.1
80°	1968.4	1927.9	1586.8	1170.6	719.7	439.3	265.9	156.1	101.2	92.5	98.3
82.5°	1266.0	1251.5	1037.7	745.7	436.5	265.9	167.6	101.2	66.5	57.8	63.6
85°	497.2	505.8	381.5	260.1	153.2	78.0	57.8	43.4	31.8	23.1	23.1
87.5°	2.9	2.9	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	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

(END OF REPORT)