

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: P553785

Luminaire Tested: **LXS-VA3-830-U-ASW-A**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553785
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-22)
Test Lab: INNOVATION CENTER
Issue Date: 7/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA3-830-U-ASW-A
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE III OPTIC, ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7238 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

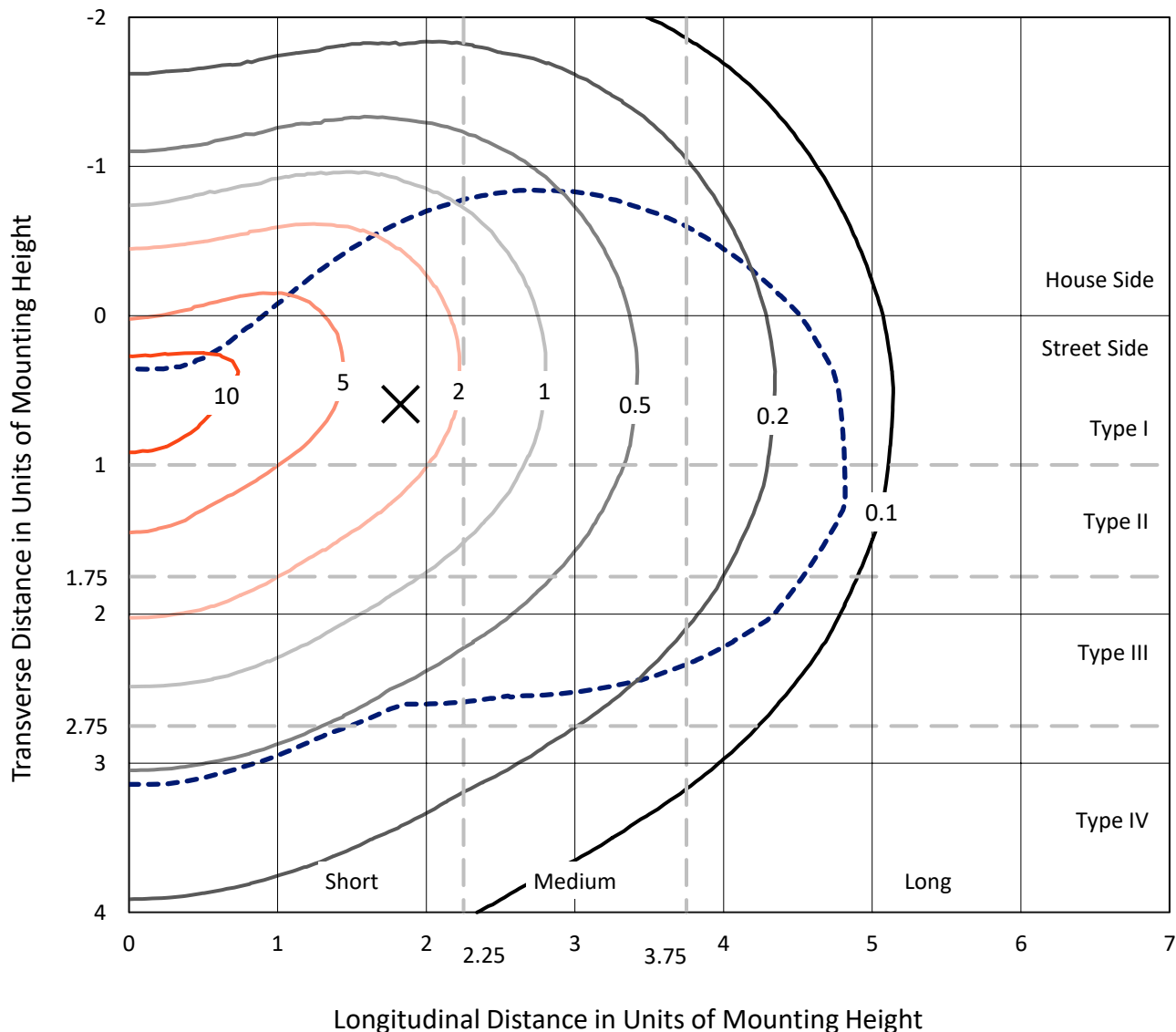
Input Watts (W): 99
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P553785
 CATALOG NUMBER: LXS-VA3-830-U-ASW-A

Iso-Footcandle Lines of Horizontal Illumination

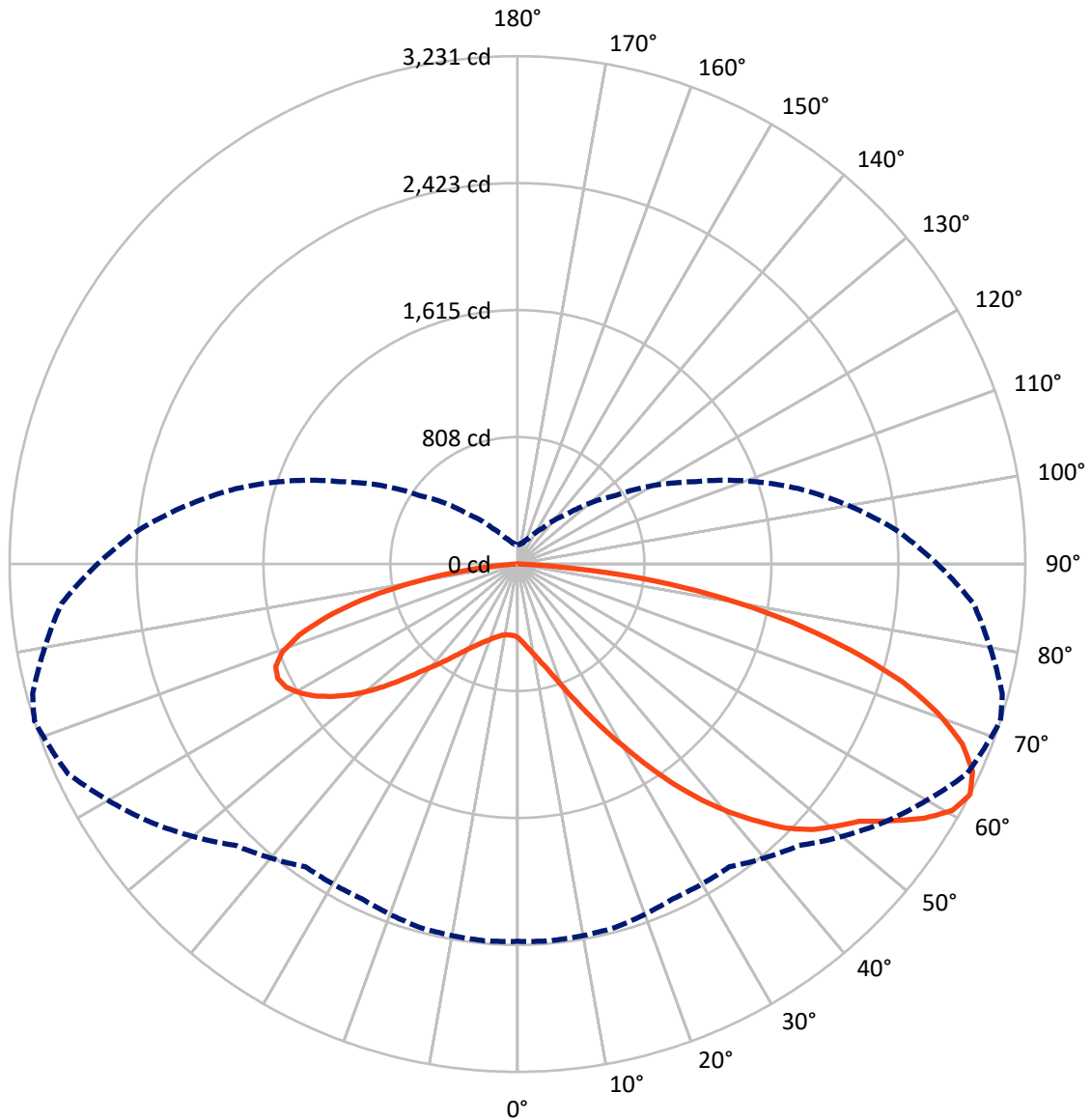
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14 fc
 Type IV - Short - N/A

REPORT NUMBER: P553785
CATALOG NUMBER: LXS-VA3-830-U-ASW-A

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P553785

CATALOG NUMBER: LXS-VA3-830-U-ASW-A

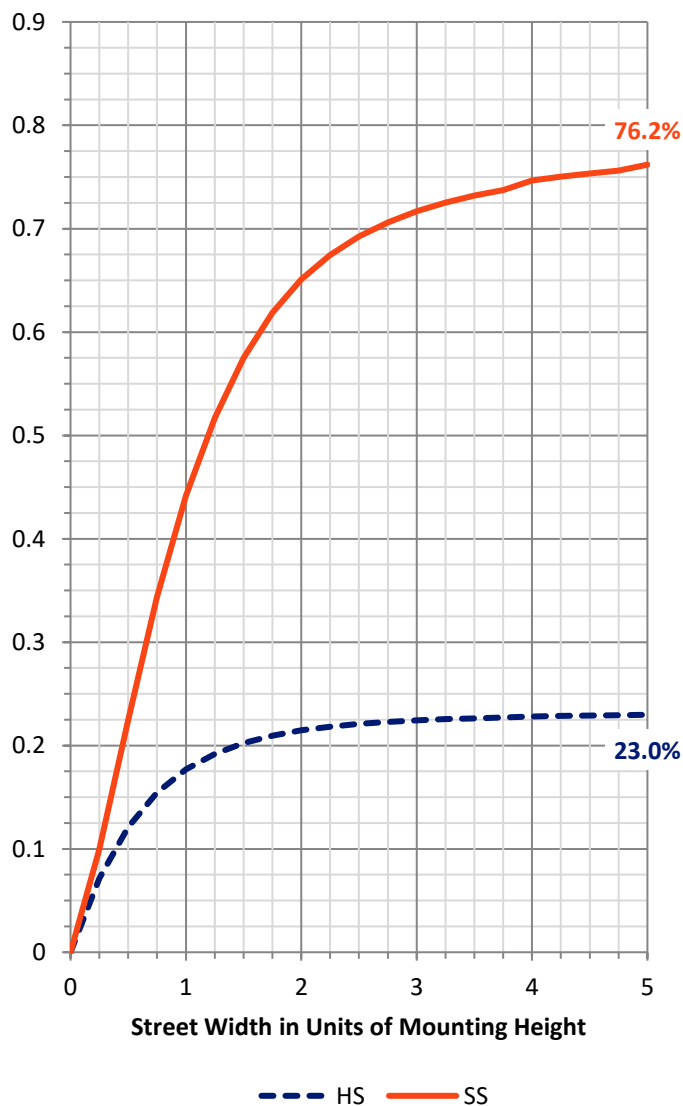
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1669.6	0.0	1669.6
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	5568.4	0.0	5568.4
	% Fixture	76.9	0.0	76.9
Total	Lumens	7238.0	0.0	7238.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	0.7
10°-20°	188.7	2.6
20°-30°	436.5	6.0
30°-40°	775.2	10.7
40°-50°	1139.1	15.7
50°-60°	1526.1	21.1
60°-70°	1662.0	23.0
70°-80°	1192.1	16.5
80°-90°	270.0	3.7
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°	7238.0	100.0
0°-180°	7238.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553785

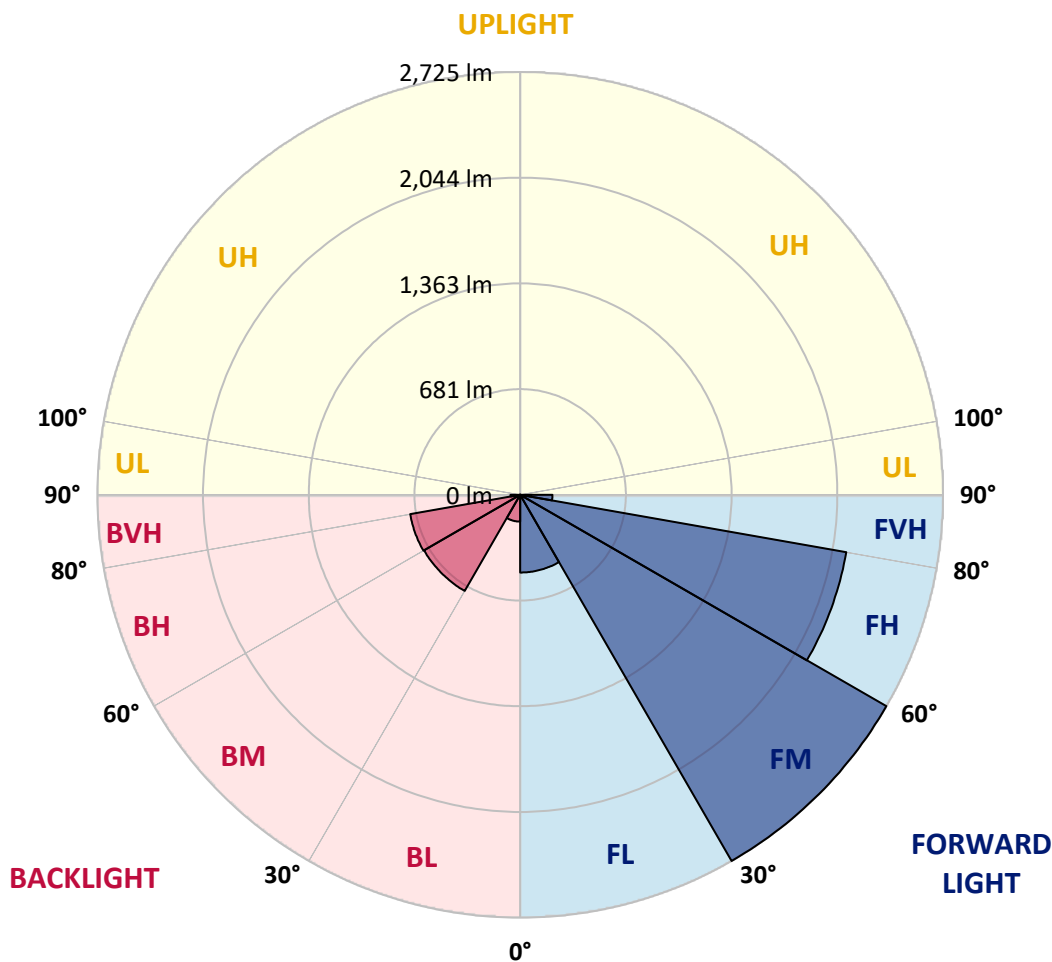
CATALOG NUMBER: LXS-VA3-830-U-ASW-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	500.9	6.9			
FM	(30°-60°)	2725.2	37.7			
FH	(60°-80°)	2134.3	29.5			G2/5000
FVH	(80°-90°)	208.1	2.9			G2/225
BL	(0°-30°)	172.7	2.4	B1/500		
BM	(30°-60°)	715.2	9.9	B1/1000		
BH	(60°-80°)	719.8	9.9	B2/1000		G2/1000
BVH	(80°-90°)	62.0	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-G2

Type IV Short





REPORT NUMBER: P553785
 CATALOG NUMBER: LXS-VA3-830-U-ASW-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	467.3	467.3	467.3	467.3	467.3	467.3	467.3	467.3	467.3	467.3	467.3
2.5°	530.8	530.8	530.8	527.9	522.1	513.5	507.7	496.2	490.4	487.5	478.9
5°	597.1	597.1	594.3	591.4	579.8	565.4	551.0	530.8	516.4	510.6	493.3
7.5°	675.0	675.0	669.3	657.7	643.3	623.1	597.1	568.3	548.1	539.4	510.6
10°	770.2	767.3	761.6	735.6	715.4	686.6	654.8	614.5	585.6	574.1	533.7
12.5°	885.6	888.5	874.1	848.1	813.5	767.3	718.3	669.3	631.8	614.5	559.6
15°	1084.7	1084.7	1055.8	1001.0	946.2	871.2	802.0	729.8	683.7	663.5	594.3
17.5°	1500.1	1479.9	1428.0	1277.9	1142.4	1021.2	917.4	813.5	752.9	721.2	634.6
20°	1690.5	1687.6	1667.4	1586.6	1410.6	1211.6	1067.4	920.2	839.5	804.8	683.7
22.5°	1745.3	1742.4	1728.0	1702.0	1627.0	1413.5	1231.8	1052.9	943.3	900.0	750.0
25°	1828.9	1828.9	1805.9	1756.8	1725.1	1606.8	1387.6	1202.9	1067.4	1015.4	833.7
27.5°	1883.7	1883.7	1880.9	1852.0	1788.5	1742.4	1554.9	1361.6	1205.8	1145.2	940.4
30°	1987.6	1978.9	1967.4	1941.4	1909.7	1834.7	1739.5	1520.3	1361.6	1283.7	1055.8
32.5°	2270.3	2250.1	2160.7	2056.8	2016.4	1950.1	1901.1	1684.7	1537.6	1451.0	1191.4
35°	2449.2	2440.5	2374.2	2224.1	2111.6	2074.1	2019.3	1866.4	1722.2	1632.8	1347.2
37.5°	2506.9	2501.1	2454.9	2359.7	2224.1	2172.2	2134.7	2039.5	1903.9	1820.3	1517.4
40°	2573.2	2561.7	2489.5	2405.9	2319.3	2250.1	2250.1	2198.2	2074.1	2002.0	1687.6
42.5°	2535.7	2541.5	2495.3	2408.8	2359.7	2313.6	2348.2	2339.5	2235.7	2180.9	1854.9
45°	2307.8	2330.9	2379.9	2400.1	2336.7	2362.6	2426.1	2460.7	2397.2	2339.5	2016.4
47.5°	2304.9	2299.2	2339.5	2345.3	2354.0	2403.0	2489.5	2564.5	2524.2	2480.9	2169.3
50°	2480.9	2460.7	2429.0	2417.4	2426.1	2452.0	2550.1	2645.3	2622.2	2602.0	2316.5
52.5°	2596.3	2573.2	2472.2	2446.3	2466.5	2527.0	2656.9	2749.2	2720.3	2708.8	2457.8
55°	2801.1	2780.9	2645.3	2489.5	2515.5	2619.4	2795.3	2893.4	2881.9	2838.6	2596.3
57.5°	2708.8	2714.6	2671.3	2518.4	2538.6	2654.0	2896.3	3040.5	3052.1	2994.4	2729.0
60°	2541.5	2547.2	2538.6	2466.5	2478.0	2622.2	2913.6	3147.3	3181.9	3124.2	2844.4
62.5°	2400.1	2405.9	2394.3	2348.2	2351.1	2532.8	2858.8	3155.9	3230.9	3193.4	2913.6
65°	2183.8	2204.0	2224.1	2178.0	2201.1	2403.0	2737.6	3080.9	3181.9	3167.5	2922.3
67.5°	1961.6	1976.1	2013.6	2002.0	2036.6	2238.6	2573.2	2933.8	3052.1	3049.2	2853.0
70°	1782.8	1788.5	1794.3	1803.0	1837.6	2036.6	2368.4	2711.7	2835.7	2861.7	2697.2
72.5°	1595.3	1598.2	1583.7	1572.2	1609.7	1817.4	2120.3	2423.2	2561.7	2584.7	2449.2
75°	1370.3	1376.0	1344.3	1327.0	1367.4	1552.0	1828.9	2088.6	2189.5	2238.6	2120.3
77.5°	1156.8	1136.6	1107.7	1078.9	1116.4	1275.1	1508.7	1716.4	1788.5	1817.4	1728.0
80°	905.8	882.7	848.1	825.0	853.9	977.9	1156.8	1303.9	1341.4	1361.6	1280.8
82.5°	623.1	602.9	568.3	545.2	571.2	660.6	781.8	856.8	879.9	888.5	799.1
85°	297.1	279.8	262.5	259.6	279.8	314.4	334.6	363.5	363.5	343.3	334.6
87.5°	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9
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: P553785
 CATALOG NUMBER: LXS-VA3-830-U-ASW-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	467.3	467.3	467.3	467.3	467.3	467.3	467.3	467.3	467.3	467.3	467.3
2.5°	473.1	467.3	458.7	452.9	444.3	438.5	435.6	432.7	429.8	426.9	426.9
5°	484.6	473.1	458.7	444.3	429.8	418.3	409.6	403.9	398.1	395.2	395.2
7.5°	499.1	484.6	461.6	438.5	418.3	403.9	389.4	380.8	375.0	372.1	372.1
10°	516.4	499.1	464.4	435.6	412.5	392.3	375.0	363.5	357.7	351.9	351.9
12.5°	539.4	516.4	473.1	438.5	409.6	383.7	363.5	349.1	340.4	334.6	331.7
15°	565.4	539.4	487.5	444.3	409.6	377.9	351.9	334.6	323.1	317.3	317.3
17.5°	600.0	568.3	504.8	452.9	409.6	372.1	343.3	323.1	308.7	302.9	302.9
20°	640.4	600.0	525.0	464.4	412.5	369.2	337.5	311.6	294.2	288.5	285.6
22.5°	689.5	643.3	548.1	478.9	415.4	366.4	328.9	300.0	282.7	271.2	271.2
25°	755.8	692.3	577.0	493.3	421.2	366.4	320.2	288.5	268.3	256.7	256.7
27.5°	839.5	755.8	611.6	510.6	429.8	363.5	314.4	276.9	253.9	242.3	239.4
30°	934.7	833.7	652.0	530.8	438.5	363.5	305.8	265.4	239.4	225.0	222.1
32.5°	1047.2	926.0	703.9	556.8	447.1	363.5	297.1	251.0	225.0	207.7	207.7
35°	1168.3	1029.9	767.3	585.6	458.7	363.5	291.4	242.3	210.6	196.2	196.2
37.5°	1315.4	1151.0	842.3	614.5	470.2	363.5	285.6	233.7	201.9	190.4	187.5
40°	1477.0	1283.7	923.1	654.8	487.5	366.4	282.7	230.8	199.0	184.6	181.7
42.5°	1635.7	1430.8	1015.4	701.0	510.6	377.9	285.6	227.9	193.3	176.0	176.0
45°	1803.0	1580.8	1127.9	767.3	539.4	386.6	285.6	222.1	187.5	170.2	170.2
47.5°	1953.0	1728.0	1254.9	839.5	565.4	395.2	282.7	216.4	181.7	164.4	164.4
50°	2097.2	1883.7	1384.7	914.5	597.1	403.9	282.7	213.5	176.0	158.7	158.7
52.5°	2232.8	2025.1	1505.8	992.4	631.8	418.3	285.6	207.7	170.2	155.8	152.9
55°	2356.8	2140.5	1612.6	1070.2	669.3	429.8	285.6	204.8	164.4	150.0	147.1
57.5°	2478.0	2247.2	1710.7	1142.4	703.9	441.4	285.6	199.0	158.7	141.4	141.4
60°	2590.5	2348.2	1788.5	1200.1	732.7	447.1	282.7	193.3	152.9	135.6	132.7
62.5°	2671.3	2426.1	1852.0	1237.6	758.7	450.0	276.9	184.6	141.4	124.0	124.0
65°	2694.4	2457.8	1878.0	1249.1	770.2	447.1	268.3	176.0	126.9	112.5	112.5
67.5°	2639.6	2420.3	1854.9	1240.4	755.8	429.8	251.0	161.5	109.6	101.0	101.0
70°	2509.7	2299.2	1768.4	1191.4	718.3	403.9	230.8	147.1	89.4	86.5	86.5
72.5°	2287.6	2094.3	1612.6	1096.2	657.7	363.5	204.8	126.9	72.1	72.1	75.0
75°	1981.8	1808.7	1387.6	954.9	571.2	314.4	173.1	98.1	54.8	60.6	60.6
77.5°	1609.7	1453.9	1113.5	776.0	461.6	253.9	135.6	69.2	40.4	46.2	46.2
80°	1182.7	1050.1	802.0	565.4	337.5	181.7	86.5	40.4	28.8	31.7	31.7
82.5°	724.1	628.9	476.0	343.3	196.2	98.1	43.3	17.3	14.4	17.3	17.3
85°	291.4	248.1	190.4	115.4	51.9	23.1	8.7	5.8	2.9	2.9	2.9
87.5°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	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)