

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: P553751

Luminaire Tested: **LXS-VA2-830-U-ASW-S**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553751
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-16-R2)
Test Lab: INNOVATION CENTER
Issue Date: 7/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA2-830-U-ASW-S
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE III OPTIC, SPIDER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3631 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

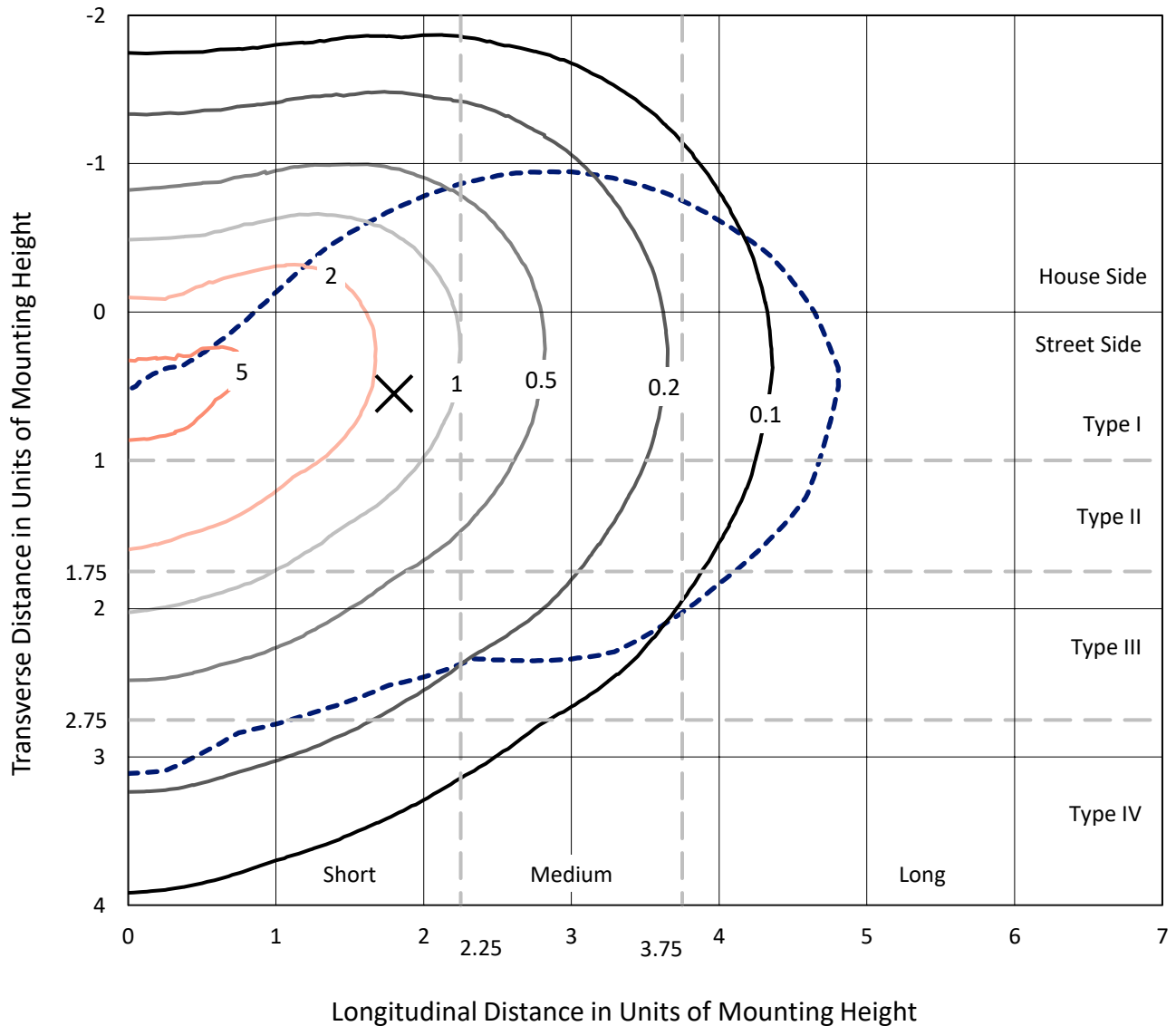
Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

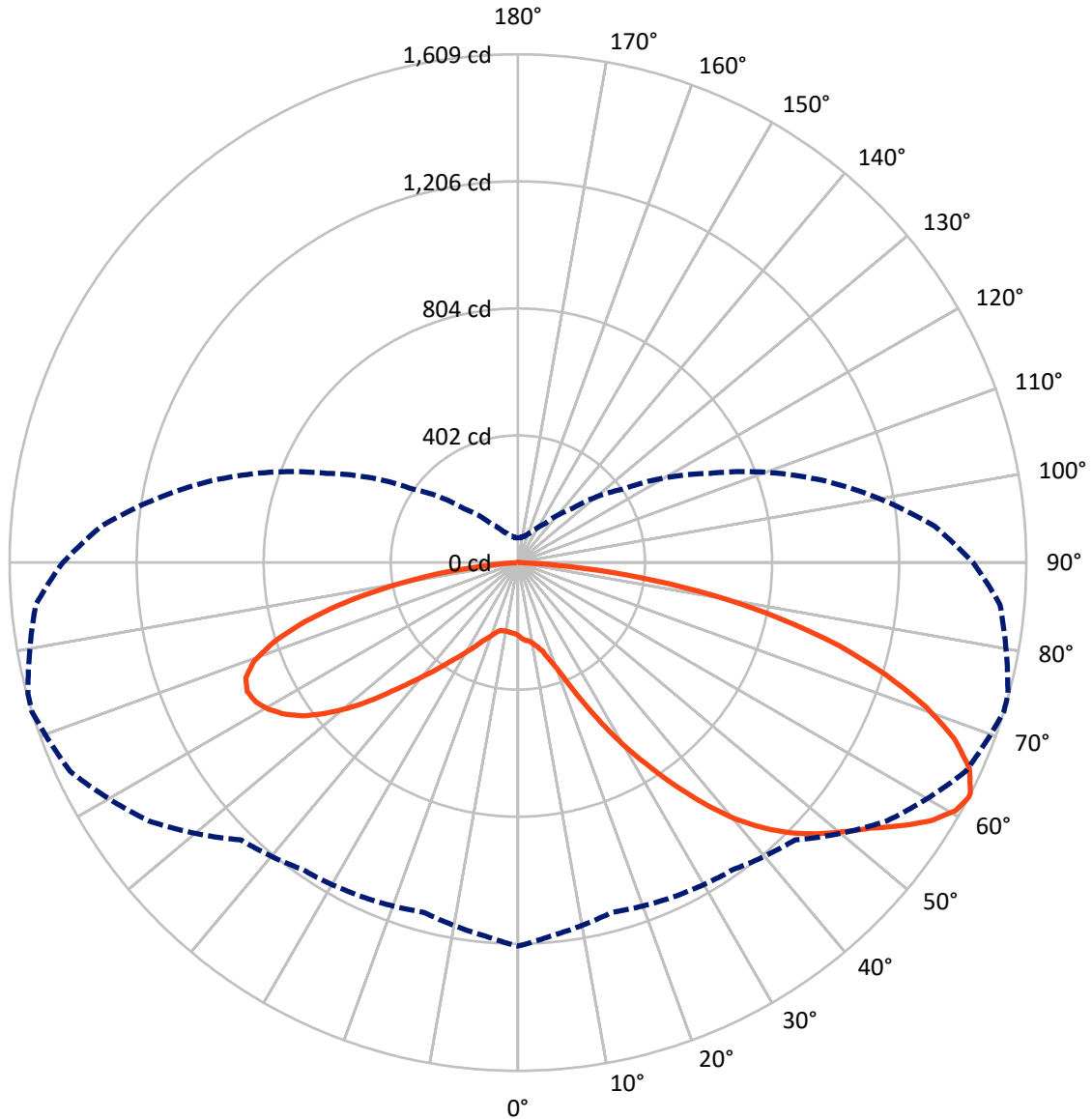
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 62-Deg Vertical

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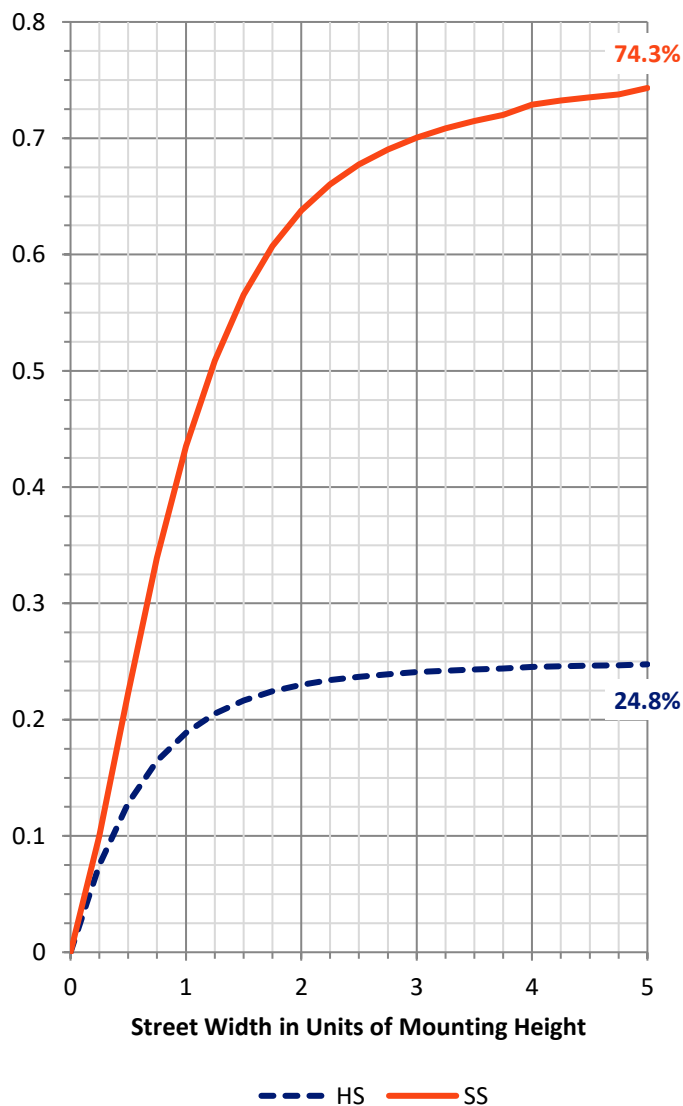
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	905.7	0.0	905.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	2725.3	0.0	2725.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	3631.0	0.0	3631.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.1	0.6
10°-20°	84.1	2.3
20°-30°	206.2	5.7
30°-40°	386.3	10.6
40°-50°	580.2	16.0
50°-60°	783.2	21.6
60°-70°	839.5	23.1
70°-80°	591.5	16.3
80°-90°	136.9	3.8
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°	3631.0	100.0
0°-180°	3631.0	100.0

Coefficient of Utilization



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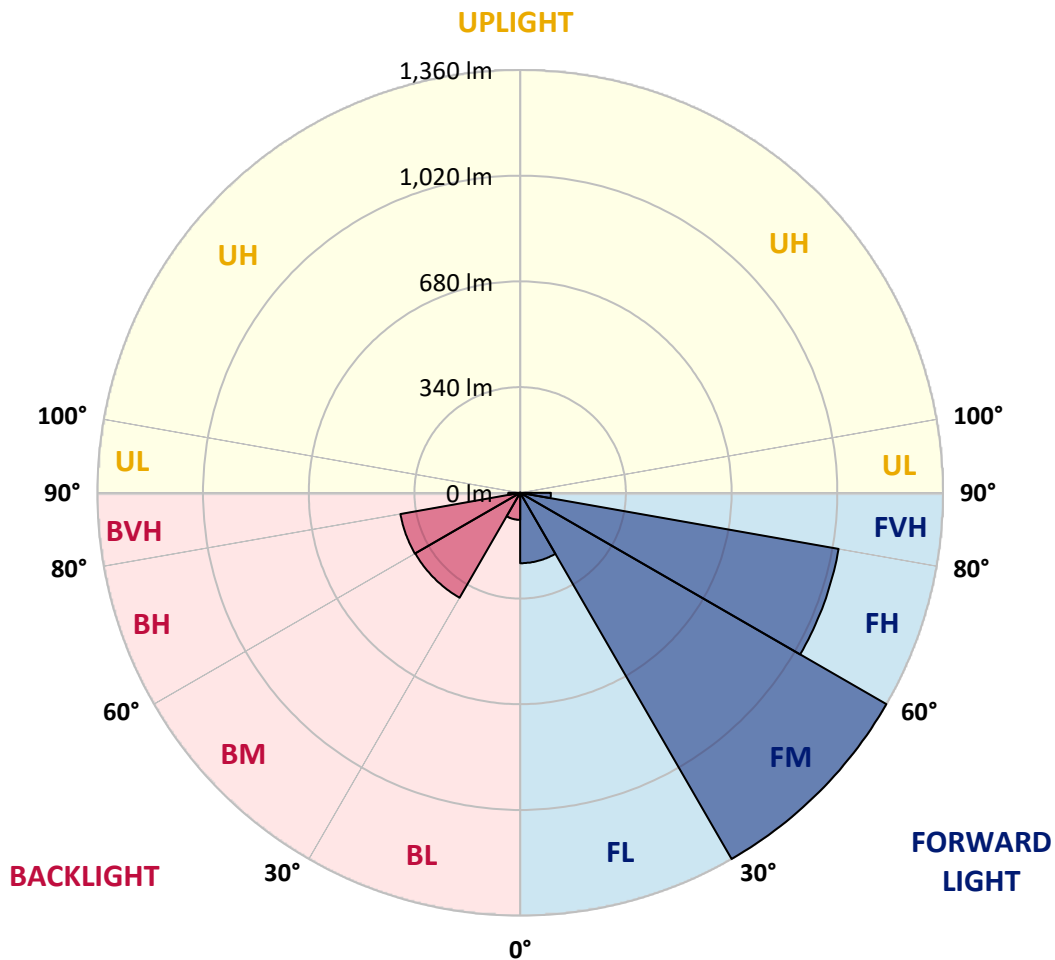
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	226.4	6.2			
FM	(30°-60°)	1360.0	37.5			
FH	(60°-80°)	1039.9	28.6			G1/1800
FVH	(80°-90°)	98.9	2.7			G1/100
BL	(0°-30°)	87.0	2.4	B0/110		
BM	(30°-60°)	389.7	10.7	B1/1000		
BH	(60°-80°)	391.1	10.8	B1/500		G1/500
BVH	(80°-90°)	37.9	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2
2.5°	261.7	260.0	260.0	258.4	255.2	252.0	248.8	244.0	240.8	239.2	234.4
5°	285.7	284.1	282.5	277.7	272.9	266.5	260.0	253.6	247.2	245.6	237.6
7.5°	313.0	311.4	308.2	297.0	285.7	276.1	266.5	258.4	250.4	248.8	239.2
10°	348.3	346.7	338.7	322.7	305.0	290.5	277.7	268.1	260.0	256.8	244.0
12.5°	380.4	378.8	366.0	346.7	330.7	314.6	297.0	284.1	272.9	269.7	252.0
15°	460.7	457.5	444.7	399.7	375.6	354.8	332.3	308.2	290.5	285.7	261.7
17.5°	622.8	619.6	610.0	536.2	473.5	423.8	386.9	351.5	322.7	317.8	285.7
20°	683.8	688.7	706.3	687.0	618.0	512.1	452.7	406.1	361.2	353.2	313.0
22.5°	722.4	730.4	765.7	768.9	736.8	630.9	529.7	475.2	423.8	409.3	351.5
25°	749.6	762.5	823.5	842.8	812.3	740.0	642.1	569.9	500.8	484.8	402.9
27.5°	778.5	791.4	860.4	889.3	870.0	815.5	772.1	672.6	590.7	566.7	465.5
30°	854.0	858.8	932.6	935.9	916.6	894.1	881.3	770.5	682.2	656.5	532.9
32.5°	977.6	969.6	1029.0	1008.1	968.0	966.4	963.1	874.9	775.3	749.6	608.4
35°	1067.5	1069.1	1122.1	1075.5	1035.4	1024.1	1033.8	974.4	874.9	844.4	696.7
37.5°	1112.4	1117.3	1163.8	1138.1	1094.8	1077.1	1099.6	1062.7	976.0	943.9	786.6
40°	1151.0	1155.8	1178.3	1173.4	1144.5	1117.3	1154.2	1139.7	1070.7	1043.4	881.3
42.5°	1163.8	1165.4	1157.4	1189.5	1163.8	1147.8	1195.9	1205.5	1151.0	1131.7	977.6
45°	1134.9	1146.1	1136.5	1173.4	1175.0	1170.2	1231.2	1260.1	1221.6	1202.3	1070.7
47.5°	1112.4	1117.3	1128.5	1186.3	1186.3	1176.6	1258.5	1301.9	1282.6	1268.1	1151.0
50°	1208.7	1194.3	1155.8	1234.4	1216.8	1210.4	1297.0	1346.8	1338.8	1325.9	1223.2
52.5°	1273.0	1248.9	1175.0	1245.7	1255.3	1260.1	1356.4	1406.2	1396.6	1383.7	1292.2
55°	1385.3	1348.4	1252.1	1271.4	1279.4	1295.4	1419.0	1478.4	1470.4	1454.4	1364.5
57.5°	1362.9	1324.3	1252.1	1276.2	1277.8	1301.9	1457.6	1541.0	1541.0	1528.2	1441.5
60°	1293.8	1255.3	1202.3	1228.0	1237.6	1279.4	1454.4	1573.1	1592.4	1582.8	1507.3
62°	1213.6	1186.3	1146.1	1167.0	1186.3	1240.9	1425.5	1563.5	1608.5	1605.2	1531.4
62.5°	1194.3	1168.6	1130.1	1151.0	1170.2	1229.6	1415.8	1557.1	1606.9	1606.9	1533.0
65°	1098.0	1083.5	1041.8	1069.1	1086.8	1149.4	1346.8	1502.5	1569.9	1581.2	1526.6
67.5°	976.0	982.4	948.7	972.8	990.4	1051.4	1250.5	1409.4	1489.7	1508.9	1478.4
70°	886.1	881.3	850.8	866.8	889.3	948.7	1138.1	1287.4	1370.9	1393.4	1380.5
72.5°	789.8	788.2	744.8	752.9	778.5	836.3	1008.1	1136.5	1218.4	1244.1	1253.7
75°	688.7	679.0	635.7	635.7	656.5	706.3	865.2	964.8	1048.2	1062.7	1083.5
77.5°	577.9	569.9	521.7	528.1	536.2	579.5	703.1	775.3	844.4	858.8	874.9
80°	455.9	451.1	404.5	402.9	407.7	438.2	542.6	574.7	626.0	635.7	654.9
82.5°	319.4	313.0	277.7	271.3	271.3	290.5	358.0	372.4	390.1	396.5	404.5
85°	154.1	150.9	134.8	134.8	128.4	136.4	158.9	158.9	162.1	154.1	166.9
87.5°	4.8	4.8	4.8	4.8	3.2	3.2	3.2	3.2	3.2	3.2	1.6
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°	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2
2.5°	232.8	229.6	226.3	223.1	221.5	219.9	218.3	216.7	216.7	215.1	215.1
5°	232.8	229.6	224.7	219.9	215.1	211.9	210.3	207.1	205.5	203.9	205.5
7.5°	234.4	229.6	223.1	216.7	210.3	205.5	200.7	197.4	195.8	194.2	194.2
10°	237.6	231.2	221.5	213.5	207.1	199.1	194.2	189.4	187.8	186.2	186.2
12.5°	242.4	234.4	223.1	211.9	202.3	195.8	189.4	184.6	181.4	178.2	178.2
15°	250.4	239.2	224.7	211.9	200.7	192.6	184.6	178.2	171.8	170.2	170.2
17.5°	269.7	255.2	234.4	215.1	202.3	191.0	179.8	170.2	165.3	162.1	162.1
20°	293.8	276.1	248.8	221.5	203.9	187.8	176.6	165.3	158.9	155.7	155.7
22.5°	321.0	301.8	264.9	229.6	207.1	187.8	173.4	160.5	150.9	146.1	146.1
25°	362.8	332.3	282.5	240.8	211.9	187.8	170.2	155.7	144.5	139.7	139.7
27.5°	415.8	372.4	308.2	256.8	216.7	187.8	166.9	150.9	139.7	134.8	133.2
30°	471.9	419.0	333.9	272.9	223.1	187.8	163.7	144.5	131.6	126.8	126.8
32.5°	537.8	473.5	366.0	288.9	231.2	189.4	160.5	138.1	125.2	120.4	120.4
35°	608.4	536.2	399.7	305.0	239.2	189.4	155.7	133.2	120.4	114.0	114.0
37.5°	693.5	602.0	444.7	325.9	247.2	189.4	154.1	131.6	117.2	110.8	109.2
40°	785.0	680.6	491.2	348.3	256.8	194.2	154.1	130.0	115.6	109.2	107.6
42.5°	874.9	768.9	547.4	375.6	272.9	200.7	155.7	130.0	114.0	105.9	104.3
45°	963.1	857.2	611.6	415.8	290.5	205.5	155.7	128.4	110.8	102.7	101.1
47.5°	1049.8	945.5	687.0	460.7	306.6	211.9	155.7	126.8	107.6	99.5	99.5
50°	1131.7	1030.6	762.5	502.4	322.7	218.3	157.3	123.6	104.3	96.3	96.3
52.5°	1207.1	1107.6	833.1	545.8	341.9	224.7	157.3	122.0	101.1	93.1	93.1
55°	1276.2	1173.4	897.3	585.9	361.2	231.2	157.3	118.8	97.9	89.9	89.9
57.5°	1343.6	1234.4	945.5	621.2	378.8	237.6	157.3	115.6	94.7	86.7	85.1
60°	1406.2	1290.6	980.8	650.1	394.9	240.8	154.1	110.8	89.9	81.9	81.9
62°	1439.9	1322.7	1001.7	667.8	404.5	240.8	150.9	107.6	86.7	78.7	78.7
62.5°	1444.7	1327.5	1006.5	671.0	406.1	240.8	149.3	105.9	86.7	78.7	77.1
65°	1444.7	1332.4	1016.1	679.0	407.7	237.6	144.5	99.5	80.3	72.2	72.2
67.5°	1406.2	1300.2	1001.7	671.0	399.7	227.9	134.8	91.5	73.8	65.8	65.8
70°	1322.7	1228.0	953.5	643.7	380.4	213.5	123.6	83.5	65.8	59.4	57.8
72.5°	1197.5	1114.0	865.2	590.7	348.3	192.6	110.8	73.8	57.8	51.4	51.4
75°	1032.2	963.1	744.8	515.3	305.0	166.9	93.1	62.6	49.8	44.9	43.3
77.5°	833.1	770.5	595.5	417.4	250.4	138.1	77.1	51.4	41.7	36.9	36.9
80°	611.6	560.2	431.8	306.6	187.8	102.7	57.8	40.1	32.1	28.9	28.9
82.5°	369.2	353.2	269.7	191.0	118.8	67.4	40.1	27.3	22.5	20.9	20.9
85°	142.9	125.2	99.5	78.7	54.6	32.1	20.9	16.1	14.4	12.8	11.2
87.5°	1.6	4.8	6.4	8.0	9.6	8.0	6.4	4.8	6.4	6.4	6.4
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)