

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: LUMARK

Report Number: P290524

Luminaire Tested: **AXCS3A-W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-024-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: AXCS3A-W
Description: 3A AXCENT SMALL LED WALLPACK WITH 3000K CCT AND 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2989 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 0.5' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B1 - U0 - G0

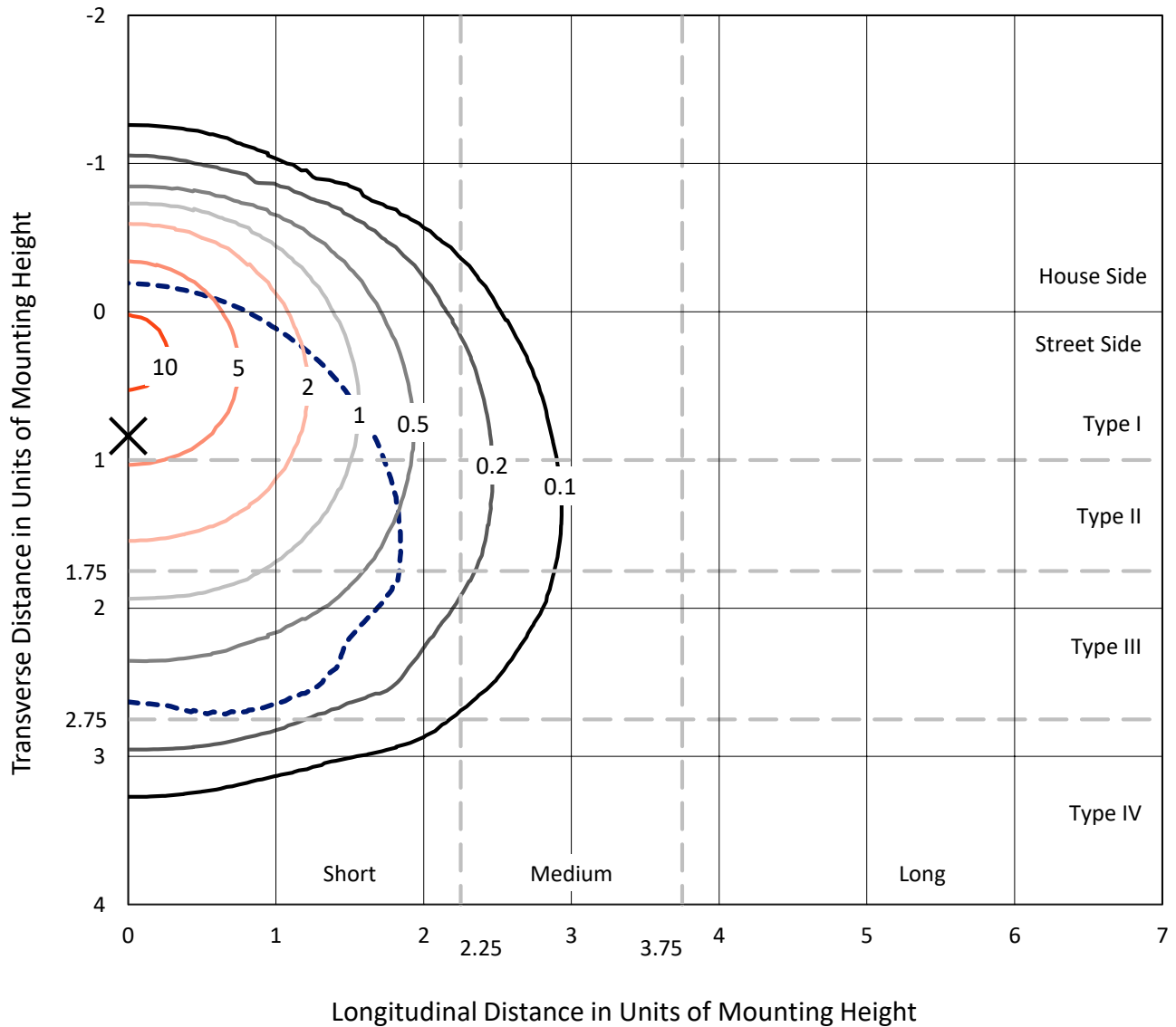
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

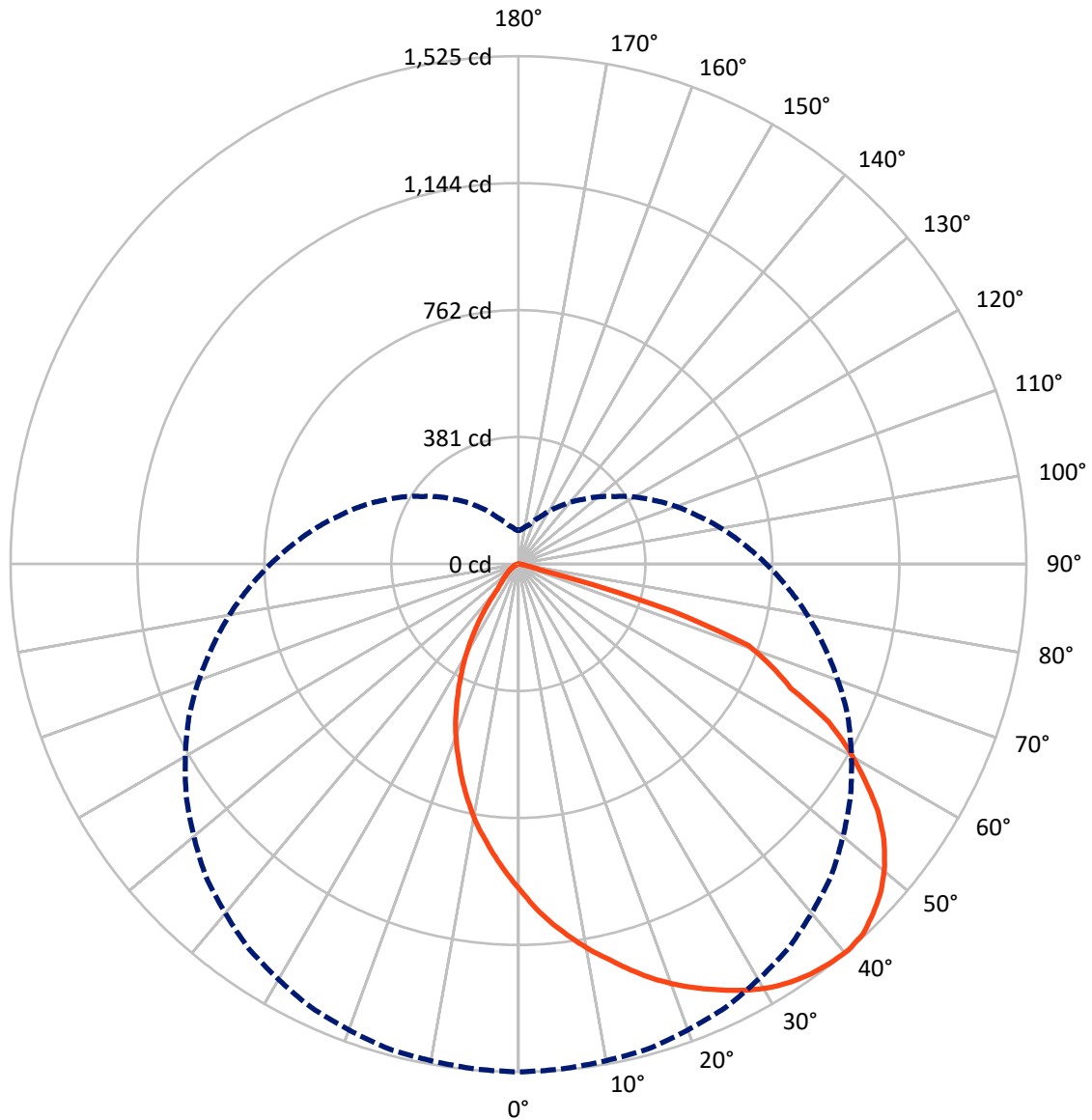
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 40-Deg Vertical

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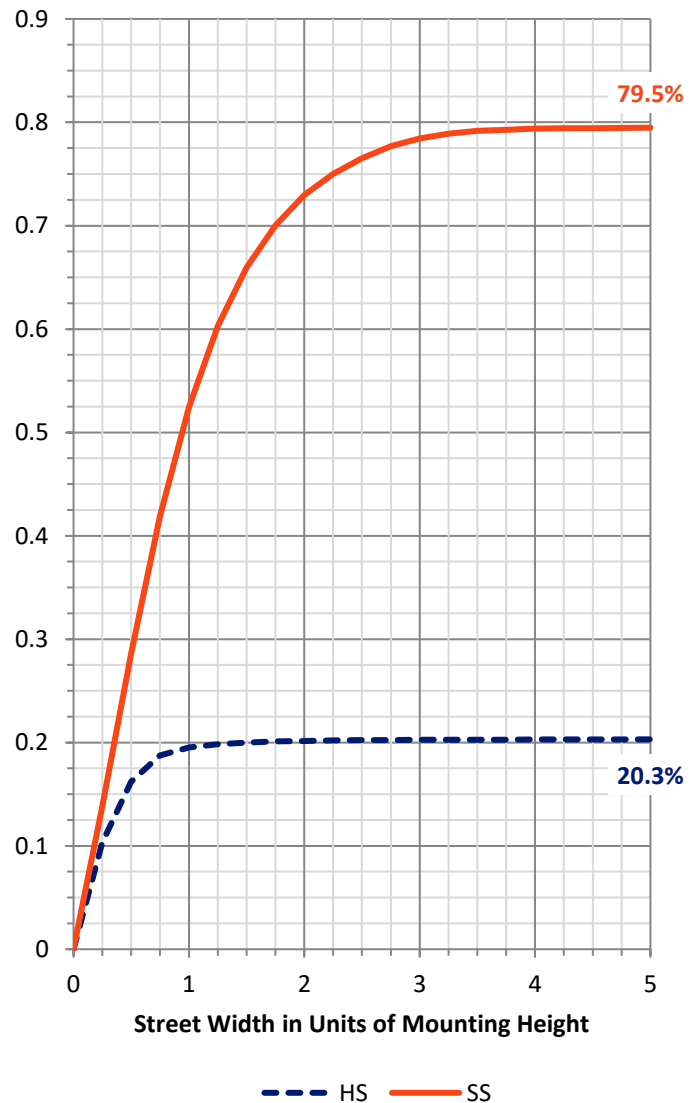
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	612.5	0.0	612.5
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	2376.5	0.0	2376.5
	% Fixture	79.5	0.0	79.5
Total	Lumens	2989.0	0.0	2989.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	3.1
10°-20°	270.7	9.1
20°-30°	420.8	14.1
30°-40°	525.1	17.6
40°-50°	566.6	19.0
50°-60°	535.8	17.9
60°-70°	411.6	13.8
70°-80°	158.4	5.3
80°-90°	6.8	0.2
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°	2989.0	100.0
0°-180°	2989.0	100.0

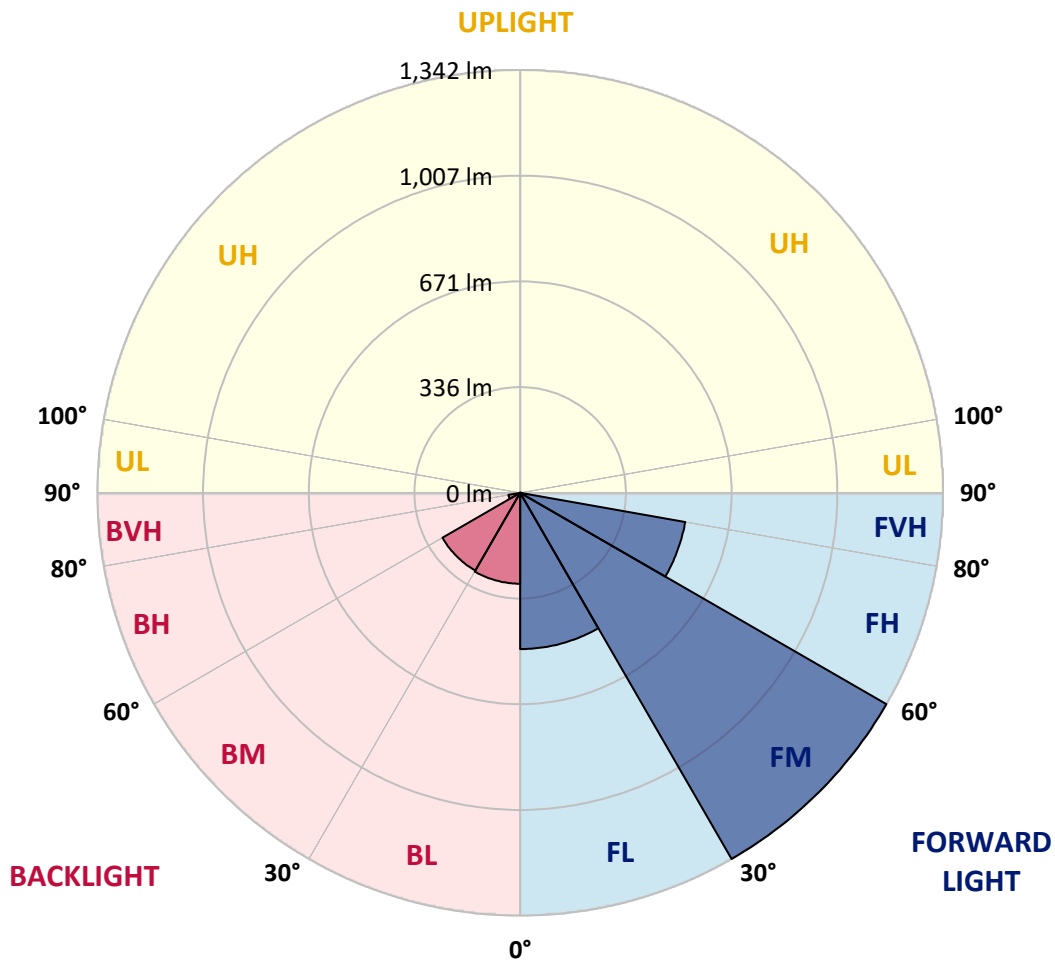


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	496.2	16.6			
FM	(30°-60°)	1342.5	44.9			
FH	(60°-80°)	532.1	17.8			G0/660
FVH	(80°-90°)	5.8	0.2			G0/10
BL	(0°-30°)	288.6	9.7	B1/500		
BM	(30°-60°)	285.0	9.5	B1/1000		
BH	(60°-80°)	37.8	1.3	B0/110		G0/110
BVH	(80°-90°)	1.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	982.1	982.1	982.1	982.1	982.1	982.1	982.1	982.1	982.1	982.1	982.1
2.5°	1037.0	1031.1	1031.9	1028.6	1020.9	1016.7	1010.0	1002.4	992.2	988.0	984.6
5°	1086.0	1081.8	1077.6	1070.0	1061.5	1048.8	1035.3	1020.1	1000.7	988.0	980.4
7.5°	1132.5	1127.4	1124.9	1113.1	1097.9	1080.1	1057.3	1034.5	1008.3	987.1	976.2
10°	1178.1	1170.5	1167.2	1153.6	1134.2	1110.5	1081.0	1050.5	1015.9	986.3	970.2
12.5°	1219.6	1214.5	1207.7	1191.7	1166.3	1138.4	1102.9	1064.9	1021.8	982.1	961.8
15°	1265.2	1259.3	1251.7	1231.4	1199.3	1164.6	1124.9	1076.7	1024.3	977.0	952.5
17.5°	1309.1	1303.2	1290.5	1269.4	1231.4	1192.5	1143.5	1087.7	1026.0	969.4	939.0
20°	1348.0	1342.1	1330.3	1304.1	1264.3	1217.9	1160.4	1096.2	1024.3	958.4	923.8
22.5°	1383.5	1380.1	1363.2	1334.5	1292.2	1241.5	1175.6	1102.9	1020.9	947.4	909.4
25°	1417.3	1412.2	1397.9	1364.1	1321.0	1261.8	1189.1	1106.3	1018.4	934.7	893.3
27.5°	1449.4	1442.7	1427.5	1394.5	1345.5	1280.4	1201.0	1109.7	1014.2	920.4	873.9
30°	1477.3	1472.3	1455.4	1419.9	1364.9	1296.5	1211.9	1113.1	1008.3	905.2	853.6
32.5°	1497.6	1492.5	1475.6	1440.1	1382.7	1309.1	1218.7	1113.9	997.3	885.7	830.8
35°	1512.0	1506.9	1490.0	1454.5	1395.3	1320.1	1221.2	1109.7	984.6	863.7	807.1
37.5°	1520.4	1517.9	1501.0	1463.8	1404.6	1326.0	1220.4	1102.1	969.4	838.4	779.2
40°	1524.7	1521.3	1506.9	1469.7	1410.6	1326.9	1217.0	1091.9	950.0	811.3	743.7
42.5°	1517.9	1515.4	1501.8	1471.4	1412.2	1321.8	1210.3	1075.9	922.9	777.5	706.5
45°	1494.2	1492.5	1483.2	1462.1	1408.0	1311.7	1194.2	1049.7	892.5	741.2	670.2
47.5°	1465.5	1463.0	1454.5	1439.3	1390.3	1296.5	1171.4	1020.1	860.4	701.5	626.3
50°	1424.9	1425.8	1421.5	1407.2	1361.5	1274.5	1137.6	988.0	823.2	660.1	580.6
52.5°	1374.2	1375.1	1377.6	1368.3	1320.1	1239.0	1101.2	946.6	781.8	615.3	533.3
55°	1310.0	1307.5	1315.9	1318.4	1278.7	1186.6	1058.1	900.9	731.1	564.6	480.9
57.5°	1227.2	1231.4	1244.9	1253.4	1222.9	1119.8	1004.0	848.5	671.9	507.1	429.3
60°	1143.5	1152.8	1174.8	1185.7	1151.1	1059.8	935.6	783.5	611.0	448.8	377.8
62.5°	1046.3	1045.5	1092.8	1108.0	1055.6	980.4	861.2	716.7	551.0	393.0	321.2
65°	898.4	889.9	955.0	1003.2	973.6	896.7	786.0	643.2	481.7	337.2	268.8
67.5°	820.6	835.0	836.7	834.2	871.4	817.3	701.5	562.9	411.6	275.5	216.4
70°	732.7	737.8	814.7	841.8	716.7	706.5	617.0	480.0	335.5	218.0	165.6
72.5°	483.4	492.7	486.0	513.0	695.6	569.6	535.0	399.8	265.4	169.9	123.4
75°	64.2	58.3	77.8	231.6	355.0	445.4	391.3	309.3	194.4	117.5	82.0
77.5°	27.9	27.9	30.4	33.8	42.3	210.4	297.5	196.1	137.8	69.3	50.7
80°	16.9	17.7	18.6	19.4	20.3	22.0	76.1	124.2	69.3	37.2	23.7
82.5°	10.1	10.1	11.0	11.0	11.0	11.8	12.7	20.3	20.3	11.0	7.6
85°	5.1	5.1	5.9	5.9	5.9	5.9	5.9	5.9	4.2	2.5	2.5
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	982.1	982.1	982.1	982.1	982.1	982.1	982.1	982.1	982.1	982.1
2.5°	978.7	967.7	959.2	951.6	946.6	937.3	934.7	933.9	932.2	933.0
5°	970.2	952.5	934.7	920.4	907.7	897.6	890.8	884.9	881.5	882.3
7.5°	960.9	934.7	909.4	889.1	869.7	857.8	844.3	837.5	832.5	830.8
10°	950.8	916.1	883.2	857.0	830.8	813.9	796.1	785.1	781.8	782.6
12.5°	939.0	895.9	855.3	822.3	791.9	768.2	747.1	734.4	727.7	726.0
15°	925.4	874.7	827.4	785.1	749.7	717.5	693.9	677.8	673.6	671.1
17.5°	907.7	851.1	797.8	748.8	709.1	670.2	644.0	624.6	615.3	614.4
20°	889.1	824.9	763.2	711.6	660.9	622.0	593.3	567.9	558.6	560.3
22.5°	870.5	797.0	728.5	668.5	617.0	570.5	536.7	513.0	500.3	503.7
25°	850.2	769.9	693.9	628.8	567.9	519.8	481.7	455.5	443.7	441.2
27.5°	827.4	739.5	657.5	584.8	518.1	467.4	424.3	398.1	383.7	382.0
30°	802.9	707.4	619.5	540.9	472.4	414.1	370.2	344.0	326.2	325.4
32.5°	776.7	675.3	578.9	493.6	420.0	361.7	314.4	284.8	267.9	267.1
35°	748.8	636.4	536.7	451.3	371.0	310.2	264.5	229.9	213.8	209.6
37.5°	715.0	598.4	492.7	402.3	320.3	257.8	212.1	175.8	159.7	156.4
40°	678.7	557.8	451.3	353.3	274.7	209.6	156.4	120.9	104.0	100.6
42.5°	640.6	511.3	400.6	307.6	227.3	159.7	103.1	83.7	78.6	78.6
45°	600.1	470.7	353.3	257.8	178.3	106.5	77.8	71.0	67.6	66.8
47.5°	552.7	422.6	307.6	213.8	131.8	76.1	66.8	59.2	55.8	55.8
50°	508.8	378.6	262.0	169.0	86.2	65.1	54.9	49.0	46.5	45.6
52.5°	463.1	331.3	220.6	126.8	65.9	54.1	45.6	41.4	38.9	38.9
55°	413.3	285.7	178.3	82.0	54.9	43.9	38.0	34.7	33.0	33.0
57.5°	363.4	243.4	137.8	59.2	44.8	36.3	32.1	28.7	27.9	27.9
60°	315.2	194.4	99.7	47.3	36.3	30.4	26.2	24.5	22.8	22.8
62.5°	263.7	156.4	61.7	38.0	29.6	24.5	22.0	19.4	18.6	18.6
65°	215.5	117.5	42.3	30.4	24.5	20.3	17.7	16.1	15.2	15.2
67.5°	170.7	83.7	32.1	23.7	19.4	16.9	14.4	13.5	12.7	12.7
70°	125.9	54.9	23.7	18.6	15.2	13.5	11.8	11.0	10.1	10.1
72.5°	93.8	27.9	17.7	13.5	11.8	10.1	9.3	8.5	7.6	7.6
75°	59.2	16.9	12.7	10.1	8.5	7.6	6.8	5.9	5.9	5.9
77.5°	33.8	11.0	8.5	6.8	5.9	5.1	5.1	4.2	4.2	4.2
80°	16.1	6.8	5.1	4.2	4.2	3.4	3.4	2.5	2.5	2.5
82.5°	5.1	3.4	2.5	2.5	2.5	1.7	1.7	1.7	1.7	1.7
85°	2.5	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8
87.5°	1.7	1.7	0.8	0.8	0.8	0.8	0.8	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

(END OF REPORT)