

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: P290525

Luminaire Tested: **AXCS2A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290525
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-024-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: AXCS2A
Description: 2A AXCENT SMALL LED WALLPACK WITH 4000K CCT AND 70 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2561 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B1 - U0 - G0

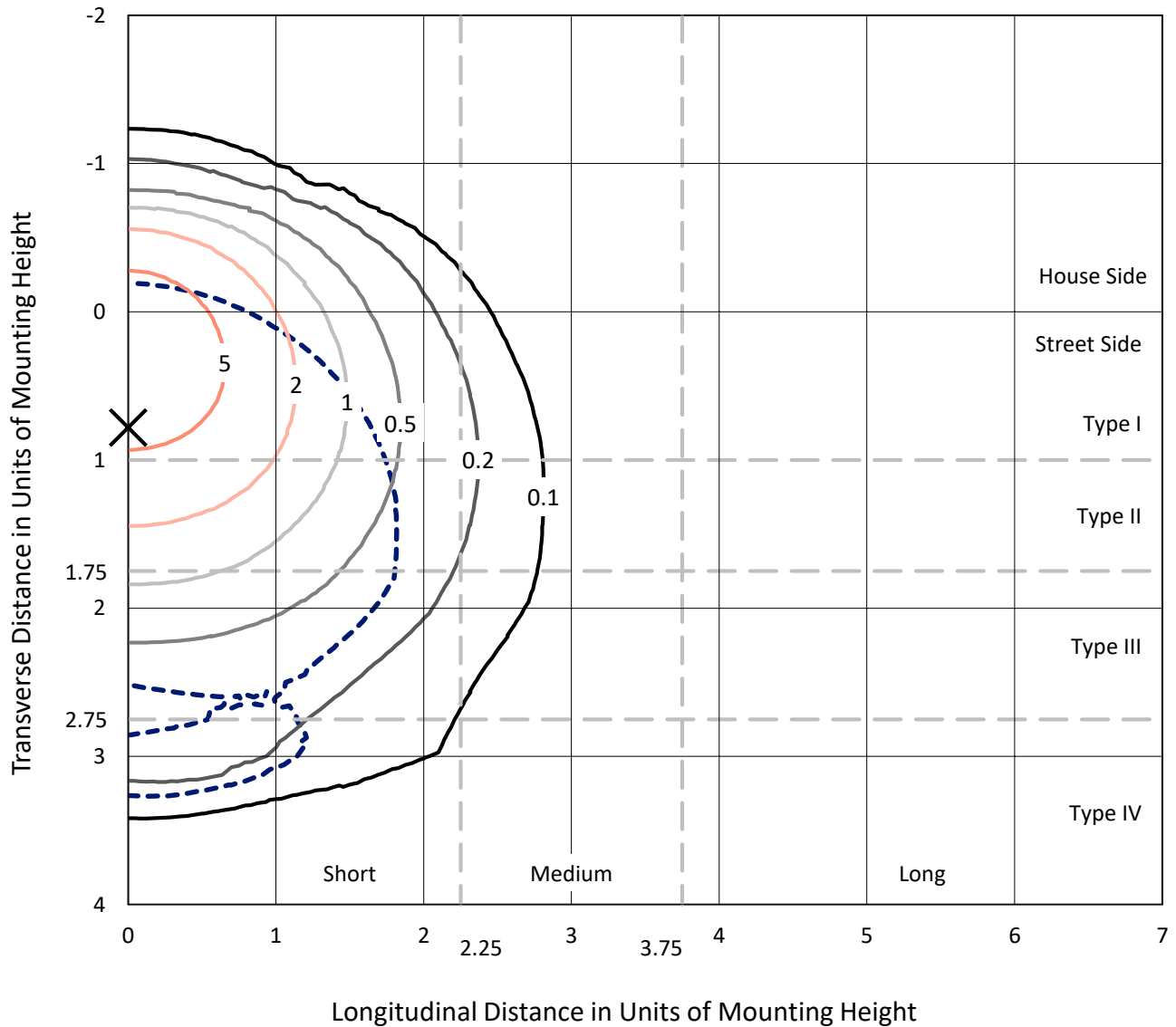
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

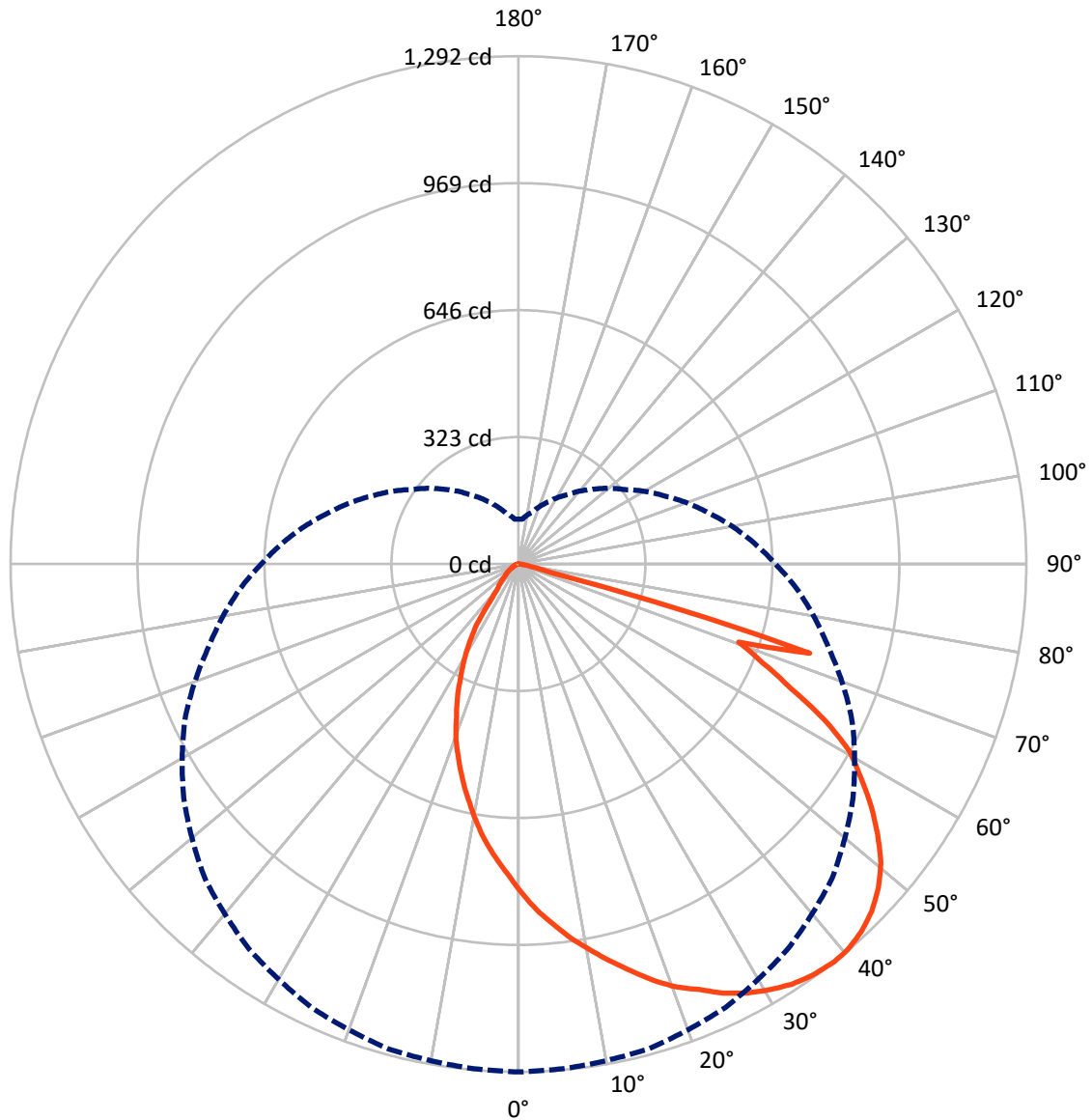
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.7 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 38-Deg Vertical

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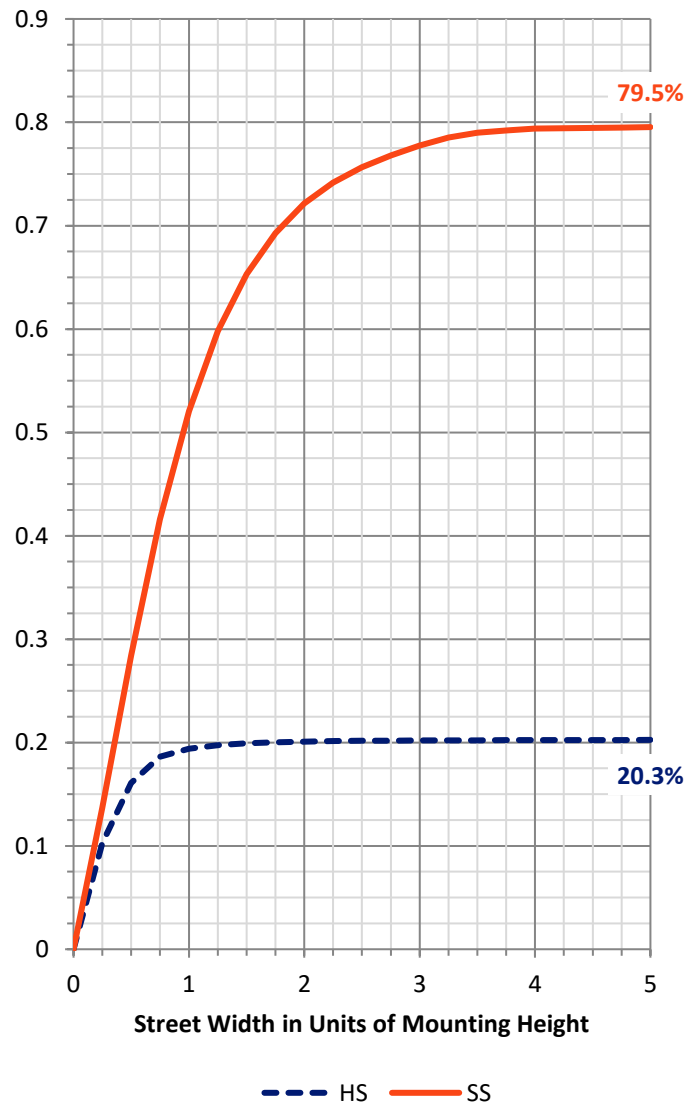
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	523.4	0.0	523.4
	% Fixture	20.4	0.0	20.4
Street Side	Lumens	2037.6	0.0	2037.6
	% Fixture	79.6	0.0	79.6
Total	Lumens	2561.0	0.0	2561.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.2	3.1
10°-20°	229.9	9.0
20°-30°	358.0	14.0
30°-40°	446.5	17.4
40°-50°	480.8	18.8
50°-60°	452.8	17.7
60°-70°	347.0	13.5
70°-80°	159.0	6.2
80°-90°	8.0	0.3
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°	2561.0	100.0
0°-180°	2561.0	100.0



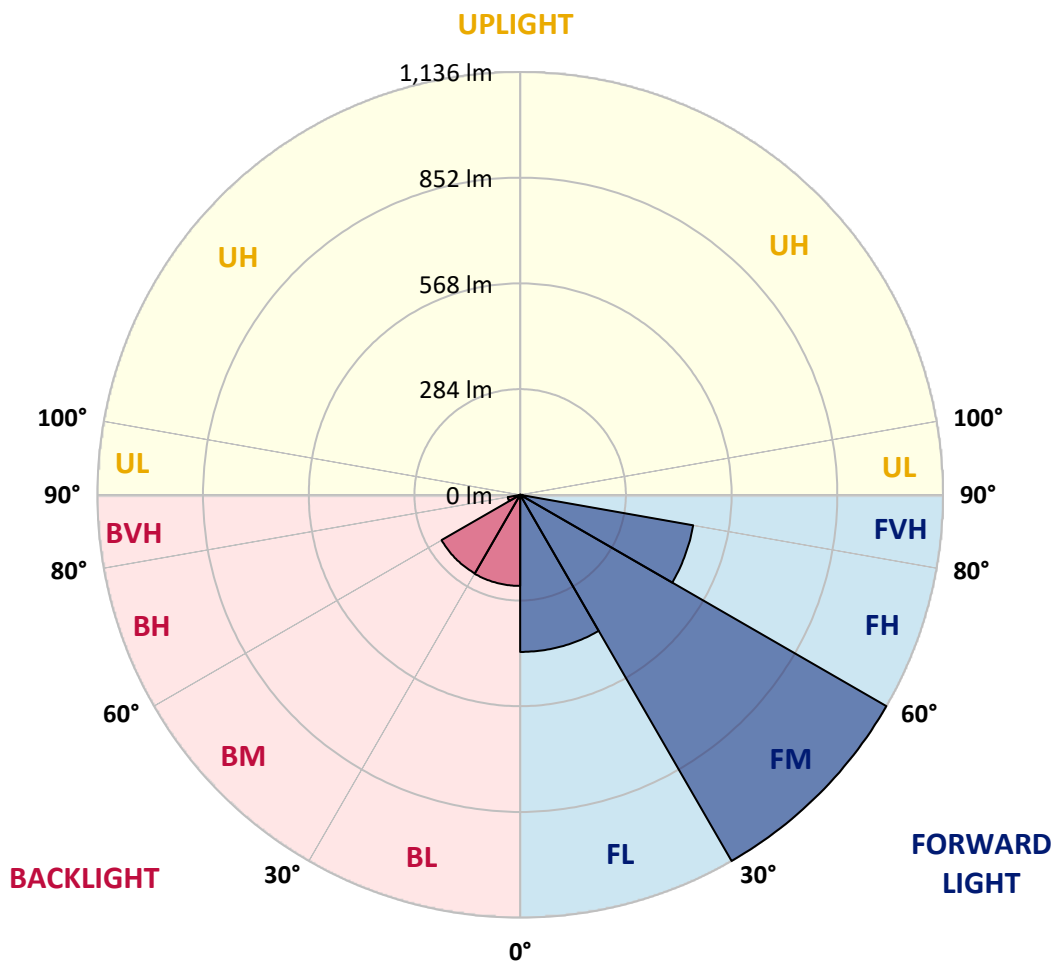
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	422.2	16.5			
FM	(30°-60°)	1136.3	44.4			
FH	(60°-80°)	472.1	18.4			G0/660
FVH	(80°-90°)	6.9	0.3			G0/10
BL	(0°-30°)	244.9	9.6	B1/500		
BM	(30°-60°)	243.8	9.5	B1/1000		
BH	(60°-80°)	33.8	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	835.1	835.1	835.1	835.1	835.1	835.1	835.1	835.1	835.1	835.1	835.1
2.5°	881.1	877.1	873.1	873.1	869.1	863.1	859.1	853.1	844.1	840.1	837.1
5°	920.2	917.2	913.2	907.2	900.1	892.1	879.1	868.1	853.1	842.1	835.1
7.5°	961.2	957.2	954.2	945.2	931.2	918.2	900.1	882.1	860.1	842.1	830.1
10°	998.2	995.2	991.2	978.2	962.2	942.2	919.2	894.1	865.1	840.1	824.1
12.5°	1036.2	1034.2	1025.2	1011.2	989.2	966.2	937.2	904.2	868.1	836.1	816.1
15°	1074.2	1070.2	1062.2	1045.2	1019.2	989.2	953.2	913.2	871.1	830.1	808.1
17.5°	1114.2	1109.2	1099.2	1081.2	1049.2	1012.2	970.2	923.2	872.1	825.1	797.1
20°	1149.2	1145.2	1134.2	1111.2	1077.2	1035.2	984.2	929.2	870.1	817.1	787.1
22.5°	1176.2	1175.2	1165.2	1139.2	1103.2	1057.2	996.2	933.2	866.1	807.1	774.1
25°	1209.2	1208.2	1192.2	1167.2	1127.2	1075.2	1010.2	937.2	863.1	796.1	758.1
27.5°	1236.2	1233.2	1219.2	1190.2	1148.2	1093.2	1022.2	941.2	859.1	783.1	742.1
30°	1257.2	1256.2	1241.2	1212.2	1167.2	1107.2	1033.2	943.2	852.1	770.1	725.1
32.5°	1275.2	1272.2	1258.2	1229.2	1180.2	1117.2	1038.2	942.2	843.1	751.1	706.1
35°	1286.2	1283.2	1270.2	1239.2	1189.2	1124.2	1040.2	940.2	832.1	733.1	683.1
37.5°	1291.2	1289.2	1276.2	1245.2	1194.2	1128.2	1039.2	937.2	819.1	715.1	659.1
38°	1292.2	1289.2	1277.2	1245.2	1195.2	1129.2	1039.2	936.2	816.1	710.1	654.1
40°	1290.2	1287.2	1277.2	1247.2	1197.2	1129.2	1036.2	928.2	803.1	692.1	634.1
42.5°	1279.2	1279.2	1269.2	1242.2	1198.2	1124.2	1028.2	916.2	784.1	663.1	604.1
45°	1260.2	1257.2	1252.2	1229.2	1190.2	1113.2	1015.2	897.1	756.1	631.1	569.1
47.5°	1232.2	1231.2	1227.2	1211.2	1171.2	1097.2	999.2	871.1	733.1	600.1	537.1
50°	1195.2	1199.2	1195.2	1185.2	1143.2	1078.2	971.2	842.1	704.1	565.1	500.1
52.5°	1144.2	1146.2	1149.2	1150.2	1114.2	1047.2	936.2	811.1	667.1	523.1	460.1
55°	1089.2	1088.2	1092.2	1094.2	1070.2	1005.2	896.1	769.1	623.1	480.1	415.1
57.5°	1028.2	1032.2	1037.2	1036.2	1012.2	948.2	853.1	719.1	580.1	432.1	369.1
60°	968.2	968.2	982.2	986.2	949.2	895.1	796.1	670.1	526.1	384.1	323.1
62.5°	875.1	883.1	910.2	926.2	882.1	819.1	739.1	609.1	472.1	337.1	277.0
65°	761.1	764.1	796.1	835.1	817.1	748.1	666.1	549.1	413.1	284.0	230.0
67.5°	670.1	680.1	703.1	715.1	727.1	679.1	589.1	483.1	352.1	236.0	190.0
70°	594.1	605.1	635.1	640.1	609.1	596.1	513.1	412.1	294.0	184.0	147.0
72.5°	775.1	798.1	756.1	615.1	524.1	498.1	453.1	331.1	235.0	138.0	104.0
75°	86.0	84.0	141.0	430.1	544.1	381.1	352.1	266.0	176.0	98.0	71.0
77.5°	34.0	33.0	36.0	42.0	64.0	295.0	239.0	186.0	112.0	67.0	47.0
80°	20.0	21.0	22.0	23.0	24.0	28.0	121.0	115.0	69.0	34.0	23.0
82.5°	12.0	12.0	13.0	14.0	14.0	15.0	16.0	35.0	21.0	11.0	8.0
85°	7.0	7.0	7.0	7.0	7.0	7.0	8.0	7.0	5.0	4.0	3.0
87.5°	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	1.0	1.0
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°	835.1	835.1	835.1	835.1	835.1	835.1	835.1	835.1	835.1	835.1
2.5°	832.1	823.1	816.1	809.1	804.1	800.1	795.1	792.1	792.1	789.1
5°	826.1	810.1	795.1	784.1	773.1	762.1	755.1	752.1	750.1	748.1
7.5°	818.1	795.1	773.1	755.1	739.1	728.1	715.1	711.1	706.1	706.1
10°	809.1	779.1	749.1	726.1	707.1	690.1	677.1	667.1	663.1	660.1
12.5°	798.1	761.1	727.1	696.1	670.1	649.1	631.1	620.1	614.1	612.1
15°	785.1	744.1	702.1	667.1	637.1	608.1	591.1	575.1	567.1	567.1
17.5°	772.1	723.1	676.1	636.1	599.1	567.1	546.1	530.1	520.1	520.1
20°	757.1	702.1	647.1	603.1	561.1	528.1	499.1	481.1	472.1	475.1
22.5°	739.1	677.1	619.1	566.1	522.1	482.1	454.1	435.1	426.1	421.1
25°	721.1	653.1	588.1	530.1	483.1	440.1	406.1	387.1	374.1	374.1
27.5°	703.1	628.1	556.1	496.1	441.1	396.1	361.1	338.1	329.1	324.1
30°	682.1	602.1	526.1	457.1	398.1	350.1	317.1	293.0	279.0	280.0
32.5°	659.1	573.1	490.1	419.1	356.1	309.1	272.0	246.0	231.0	234.0
35°	632.1	542.1	454.1	379.1	315.1	265.0	226.0	203.0	187.0	187.0
37.5°	608.1	508.1	417.1	339.1	277.0	222.0	183.0	145.0	126.0	123.0
38°	603.1	501.1	410.1	330.1	269.0	215.0	173.0	137.0	115.0	114.0
40°	580.1	472.1	381.1	300.0	235.0	181.0	127.0	95.0	86.0	85.0
42.5°	545.1	435.1	342.1	263.0	197.0	128.0	85.0	76.0	74.0	74.0
45°	509.1	395.1	302.1	223.0	153.0	84.0	72.0	66.0	62.0	62.0
47.5°	476.1	362.1	265.0	188.0	101.0	69.0	60.0	54.0	51.0	51.0
50°	435.1	323.1	227.0	150.0	71.0	59.0	50.0	45.0	42.0	42.0
52.5°	394.1	285.0	192.0	99.0	59.0	49.0	42.0	38.0	36.0	36.0
55°	355.1	246.0	156.0	65.0	50.0	41.0	35.0	32.0	31.0	31.0
57.5°	312.1	206.0	120.0	52.0	41.0	34.0	29.0	27.0	26.0	25.0
60°	271.0	169.0	81.0	43.0	34.0	28.0	25.0	22.0	21.0	20.0
62.5°	226.0	136.0	49.0	35.0	28.0	24.0	21.0	18.0	17.0	17.0
65°	186.0	103.0	38.0	28.0	23.0	20.0	17.0	15.0	14.0	14.0
67.5°	148.0	76.0	29.0	23.0	19.0	16.0	14.0	12.0	12.0	12.0
70°	113.0	44.0	22.0	18.0	15.0	13.0	11.0	10.0	10.0	10.0
72.5°	80.0	24.0	17.0	14.0	12.0	10.0	9.0	8.0	7.0	7.0
75°	53.0	16.0	12.0	10.0	9.0	8.0	7.0	6.0	6.0	6.0
77.5°	31.0	10.0	9.0	7.0	6.0	5.0	5.0	4.0	4.0	4.0
80°	15.0	7.0	6.0	5.0	4.0	4.0	3.0	3.0	2.0	2.0
82.5°	6.0	4.0	3.0	3.0	2.0	2.0	2.0	1.0	1.0	1.0
85°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	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

(END OF REPORT)