

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: McGRAW-EDISON

Report Number: P526206

Luminaire Tested: **GALN-SA1A-827-U-SL3-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526206  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1A-827-U-SL3-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2878 lumens  
Efficiency: N/A  
Efficacy: 87.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

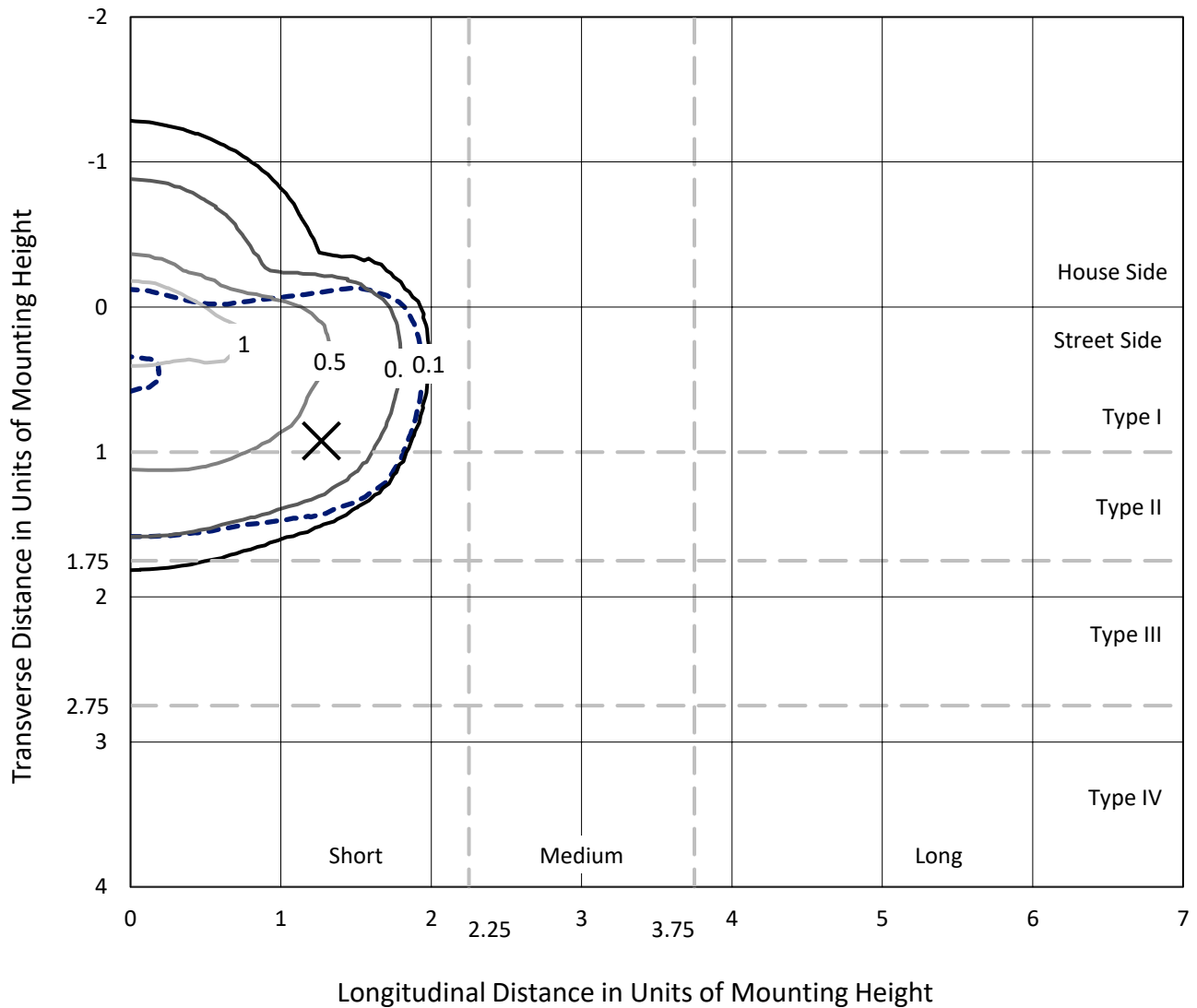
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

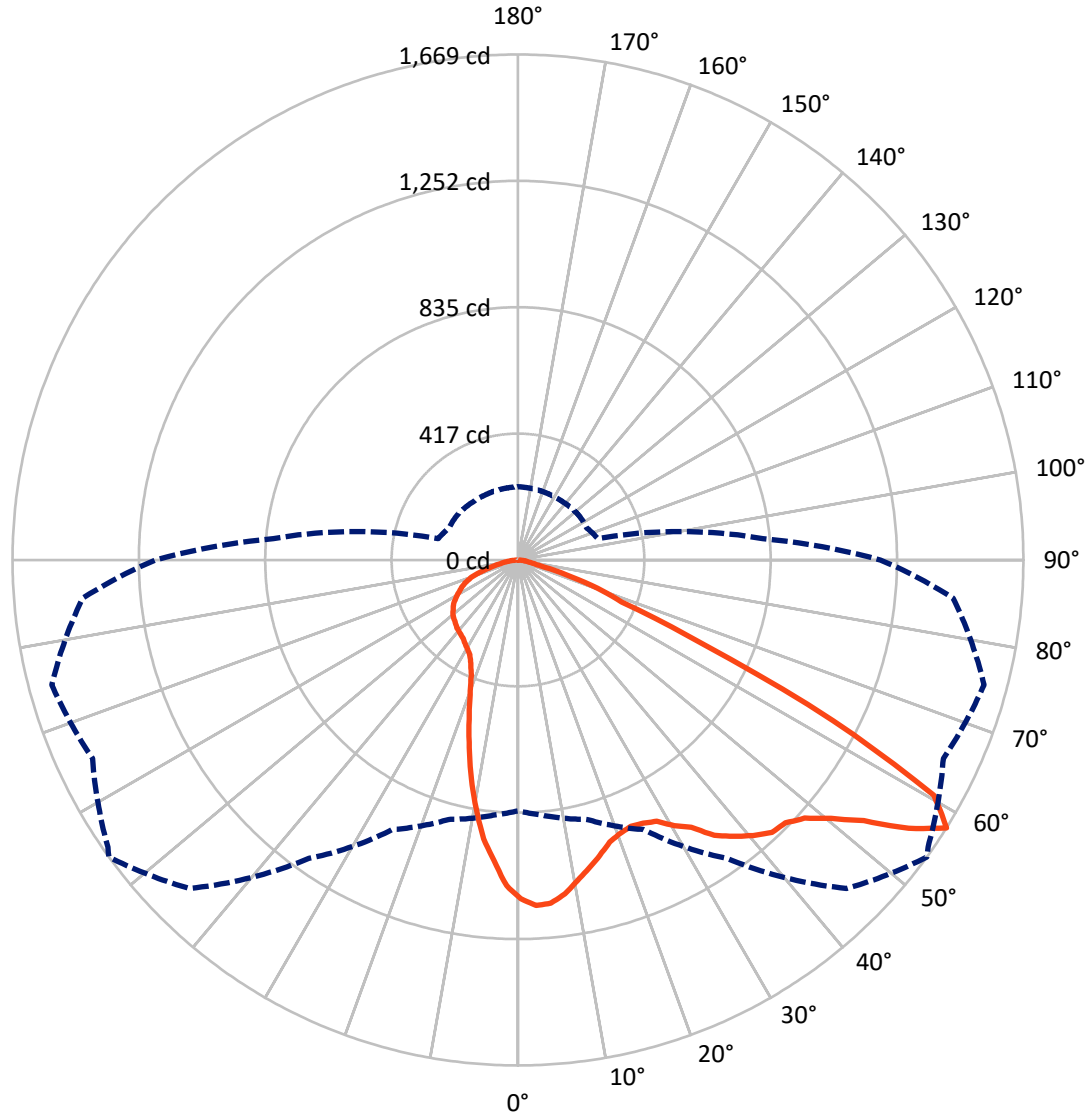
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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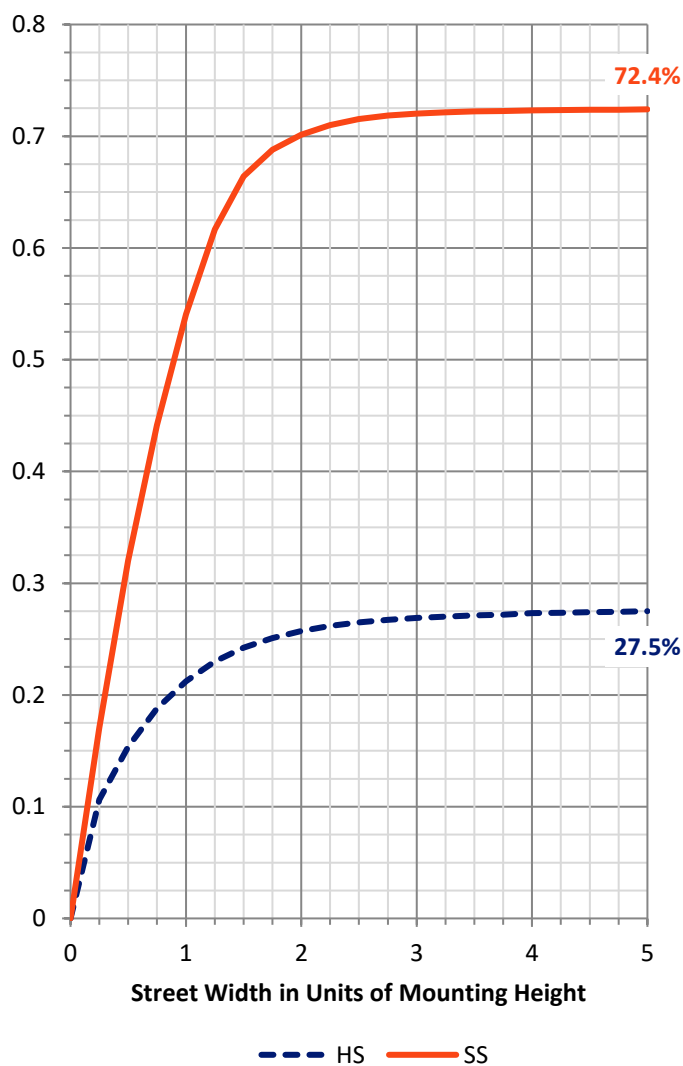
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	796.2	0.0	796.2
	% Fixture	27.7	0.0	27.7
<b>Street Side</b>	Lumens	2081.8	0.0	2081.8
	% Fixture	72.3	0.0	72.3
<b>Total</b>	Lumens	2878.0	0.0	2878.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.5	3.4
10°-20°	223.4	7.8
20°-30°	313.8	10.9
30°-40°	438.7	15.2
40°-50°	594.0	20.6
50°-60°	723.5	25.1
60°-70°	376.8	13.1
70°-80°	96.6	3.4
80°-90°	14.7	0.5
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°	2878.0	100.0
0°-180°	2878.0	100.0

**Coefficient of Utilization**

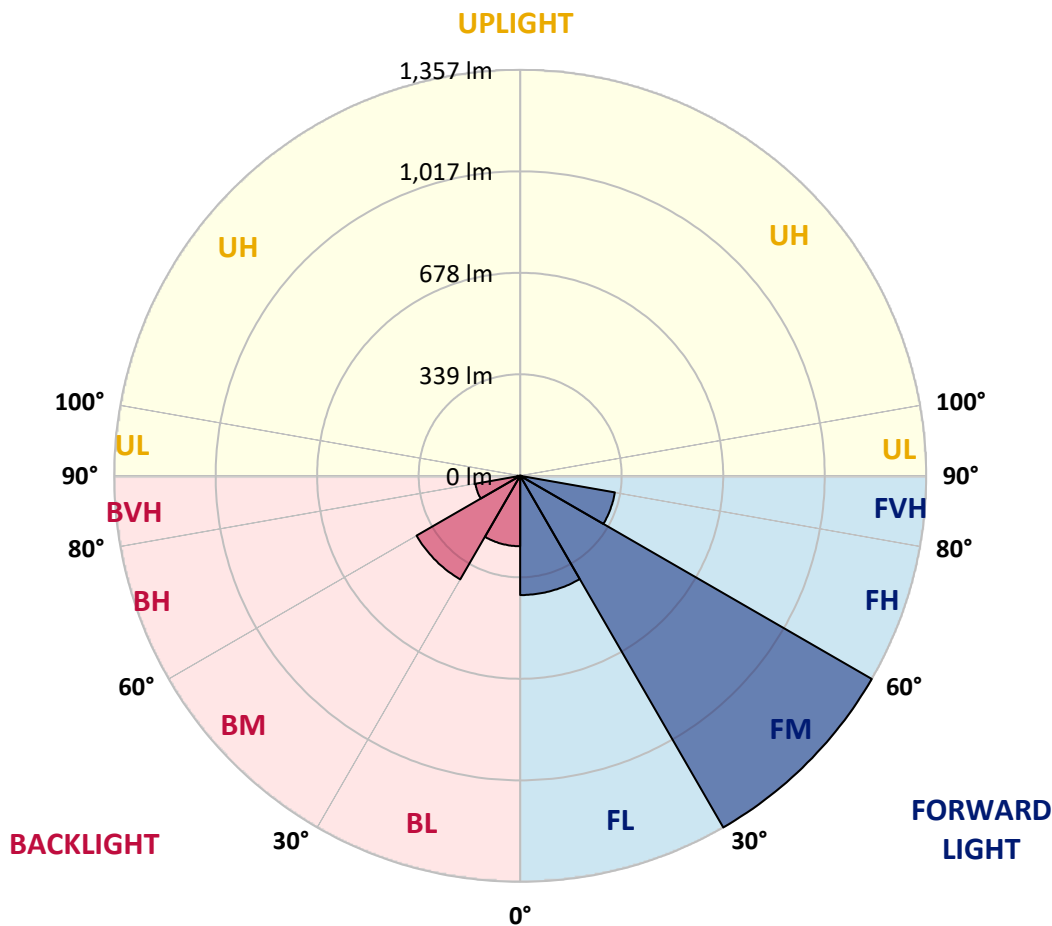


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	398.4	13.8			
FM (30°-60°)	1356.6	47.1			
FH (60°-80°)	321.3	11.2			G0/660
FVH (80°-90°)	5.6	0.2			G0/10
BL (0°-30°)	235.3	8.2	B1/500		
BM (30°-60°)	399.6	13.9	B1/1000		
BH (60°-80°)	152.1	5.3	B1/500		G1/500
BVH (80°-90°)	9.2	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1118.6	1118.6	1118.6	1118.6	1118.6	1118.6	1118.6	1118.6	1118.6	1118.6	1118.6
2.5°	1150.5	1146.0	1146.8	1152.7	1145.3	1142.3	1142.3	1127.9	1129.0	1119.0	1116.4
5°	1123.8	1113.5	1120.5	1129.4	1130.9	1133.8	1138.6	1134.9	1124.6	1113.8	1096.5
7.5°	1054.3	1063.5	1066.1	1072.4	1085.7	1097.9	1113.1	1102.7	1102.4	1091.6	1081.3
10°	993.2	987.7	1001.8	1011.0	1033.2	1053.5	1076.8	1075.7	1081.3	1069.1	1051.3
12.5°	932.6	928.1	934.8	955.9	987.0	1016.5	1044.3	1033.9	1063.5	1061.3	1023.2
15°	868.2	871.5	881.2	900.8	941.5	977.0	1012.1	1012.5	1038.7	1047.6	996.6
17.5°	823.1	819.4	831.6	860.8	897.1	939.6	979.6	987.7	1028.0	1033.2	988.4
20°	789.4	794.6	810.5	825.3	867.1	918.5	963.6	966.6	1025.8	1039.9	975.5
22.5°	781.3	778.3	783.5	807.5	841.9	897.8	955.1	966.2	1025.4	1037.6	951.1
25°	772.8	782.4	782.0	806.1	831.2	881.2	962.2	974.4	1045.0	1049.1	954.4
27.5°	792.0	790.9	801.3	803.1	834.2	885.6	977.0	986.2	1077.6	1074.3	957.0
30°	811.2	805.7	812.0	833.8	848.2	911.1	1017.7	1016.9	1119.8	1117.5	965.1
32.5°	834.9	832.3	836.4	855.6	880.0	945.2	1052.1	1073.9	1162.7	1176.7	993.2
35°	839.4	850.1	859.7	885.6	920.4	1000.3	1116.8	1134.9	1212.2	1256.3	1046.9
37.5°	867.5	871.5	894.1	940.0	971.8	1073.9	1157.9	1169.3	1257.4	1307.3	1103.5
40°	897.4	902.2	936.3	984.4	1028.0	1122.0	1196.3	1200.0	1271.8	1346.5	1140.5
42.5°	938.1	942.6	976.2	1036.5	1095.0	1163.0	1230.4	1234.4	1270.7	1391.6	1199.3
45°	980.3	991.0	1030.6	1099.0	1151.6	1211.1	1238.1	1254.8	1281.0	1432.0	1247.0
47.5°	1039.5	1049.5	1082.0	1149.0	1210.4	1253.3	1274.0	1290.3	1305.8	1467.1	1277.7
50°	1102.4	1104.2	1143.8	1204.5	1249.6	1301.0	1341.0	1346.5	1338.4	1507.8	1329.9
52.5°	1148.6	1154.5	1185.2	1244.4	1311.7	1375.0	1429.8	1435.7	1419.8	1523.0	1347.6
55°	1072.0	1068.7	1118.6	1197.4	1353.5	1485.2	1564.8	1569.2	1479.0	1570.0	1405.7
57.5°	828.6	844.5	887.1	982.1	1202.6	1534.1	1669.1	1653.2	1550.0	1593.6	1442.7
60°	602.2	598.5	627.0	690.6	906.3	1322.1	1578.1	1594.4	1491.9	1436.4	1189.7
62.5°	490.5	485.3	487.6	489.8	584.8	877.5	1168.2	1167.8	1149.0	1032.5	802.4
65°	392.1	404.3	405.4	422.1	434.3	524.2	677.0	713.2	621.1	509.4	369.6
67.5°	295.6	291.1	305.9	365.1	388.0	378.4	369.6	373.6	265.6	191.6	180.5
70°	174.2	172.4	190.1	254.5	319.6	300.7	278.6	278.9	182.4	133.9	149.1
72.5°	95.4	95.1	98.8	129.1	181.6	188.7	167.2	172.4	108.8	108.4	116.5
75°	53.3	52.2	51.0	57.0	65.5	69.2	70.7	71.4	74.7	83.6	86.9
77.5°	19.6	18.9	18.9	21.8	27.7	34.8	44.0	44.8	52.9	60.7	64.0
80°	6.7	7.4	10.0	13.7	18.5	24.8	30.0	30.7	37.4	42.5	43.7
82.5°	4.1	4.4	6.7	9.6	13.3	17.4	22.2	22.6	27.7	31.1	32.6
85°	1.8	2.2	3.7	5.9	8.5	11.5	11.8	11.8	11.5	11.8	11.1
87.5°	0.0	0.0	0.7	0.7	0.7	1.1	1.5	1.1	1.8	2.2	2.2
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°	1118.6	1118.6	1118.6	1118.6	1118.6	1118.6	1118.6	1118.6	1118.6	1118.6	1118.6
2.5°	1108.7	1104.6	1092.0	1080.9	1077.6	1062.8	1041.0	1043.6	1027.6	1035.0	1027.3
5°	1093.5	1079.8	1047.6	1033.9	998.1	981.8	970.7	942.9	930.0	927.4	916.3
7.5°	1054.6	1046.1	1005.8	968.8	930.7	898.2	856.4	827.9	807.5	802.0	785.7
10°	1023.9	1005.1	949.2	893.0	838.6	782.0	727.6	685.1	664.4	640.3	632.2
12.5°	993.6	965.1	889.7	817.5	747.2	675.8	610.0	558.2	513.1	502.4	498.7
15°	974.7	925.2	836.4	749.5	649.6	556.4	490.5	456.5	428.7	417.3	425.4
17.5°	950.0	892.3	785.3	669.6	559.7	473.9	418.8	397.7	387.7	388.8	385.5
20°	918.9	861.2	718.4	597.1	479.4	411.0	379.5	371.8	373.3	375.8	374.7
22.5°	896.7	823.4	669.9	523.1	414.3	376.2	363.3	357.7	362.5	364.7	362.9
25°	879.7	791.3	611.1	457.6	376.6	356.6	350.7	350.3	357.7	360.7	358.8
27.5°	864.1	761.3	552.7	407.7	351.4	341.4	339.6	344.0	348.8	351.8	354.4
30°	854.9	738.4	497.9	365.9	338.8	334.0	330.7	334.8	337.4	340.3	338.8
32.5°	863.8	722.1	445.0	342.2	328.5	323.7	328.1	325.5	330.0	332.6	328.5
35°	891.5	707.7	407.3	329.6	316.7	318.5	319.2	318.1	320.0	317.8	322.6
37.5°	918.9	702.5	372.5	318.9	311.1	311.1	310.4	308.1	311.8	311.1	313.3
40°	953.7	705.8	342.9	307.4	305.9	305.2	302.2	301.9	300.4	300.7	301.5
42.5°	984.0	713.2	325.9	300.0	301.1	302.6	297.0	292.6	294.5	290.8	290.8
45°	1016.2	719.9	310.7	294.8	293.7	293.3	288.9	286.3	284.8	285.2	288.5
47.5°	1066.9	729.5	299.3	287.8	288.5	283.0	281.9	278.6	280.0	282.3	282.6
50°	1102.7	749.8	290.4	279.7	282.3	278.6	271.9	270.4	270.4	274.1	273.4
52.5°	1127.9	778.3	281.9	270.8	271.9	268.9	266.7	263.4	261.2	266.3	268.9
55°	1204.8	825.7	279.7	263.4	263.0	260.1	256.0	252.7	251.5	252.3	257.5
57.5°	1197.4	810.9	272.6	250.4	249.7	245.6	241.6	240.4	240.1	240.8	242.3
60°	972.2	598.9	243.4	235.6	234.5	233.8	229.7	225.3	223.1	225.3	223.4
62.5°	643.3	401.0	214.6	217.9	218.6	216.8	210.1	205.7	206.4	209.0	204.9
65°	315.9	235.6	194.6	203.5	204.2	199.0	192.7	187.6	185.0	187.2	185.3
67.5°	180.5	180.2	178.3	187.6	187.2	182.0	172.0	167.6	163.1	163.9	162.8
70°	153.1	156.1	159.8	165.4	165.0	159.1	147.2	143.9	137.6	136.9	135.0
72.5°	120.6	125.8	133.9	138.0	134.7	127.3	119.5	113.9	108.4	105.1	106.2
75°	89.5	96.9	101.4	103.9	98.8	94.7	88.4	81.8	75.1	72.1	71.0
77.5°	65.1	67.3	71.4	73.2	69.9	65.8	62.1	55.5	49.2	45.1	44.0
80°	45.5	47.0	49.9	49.9	49.9	48.1	43.3	36.6	32.6	28.9	28.1
82.5°	31.8	33.3	36.3	34.8	34.4	32.2	29.2	24.0	19.6	17.0	16.3
85°	11.1	12.2	14.8	17.8	18.9	18.5	16.6	13.3	10.4	8.5	7.8
87.5°	2.6	2.6	3.0	2.6	2.6	3.0	2.6	2.6	2.6	1.8	1.5
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)