

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: P526232

Luminaire Tested: **GALN-SA1A-830-U-SL3-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526232  
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-830-U-SL3-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 3000K, 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: 3111 lumens  
Efficiency: N/A  
Efficacy: 94.3 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

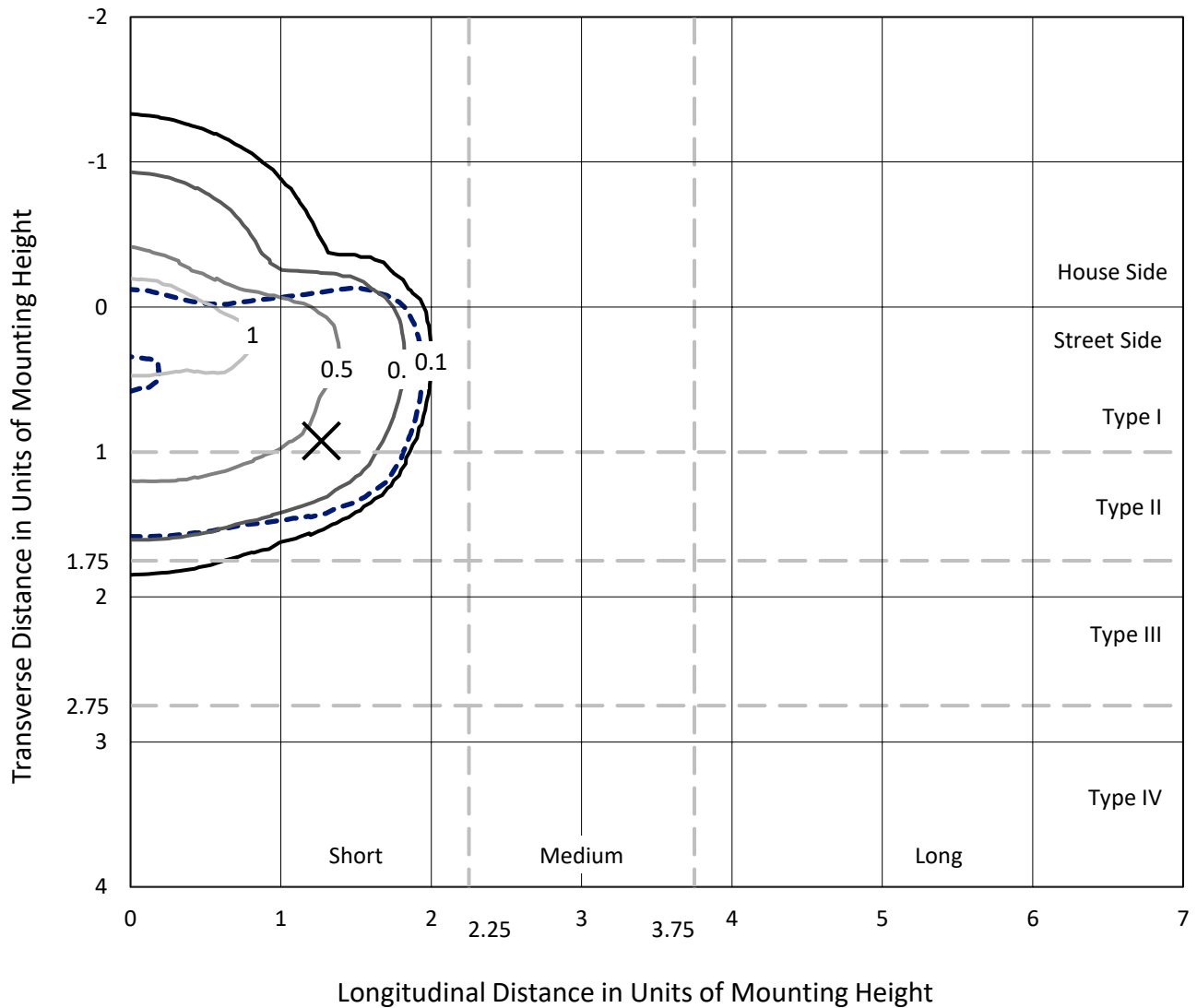
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

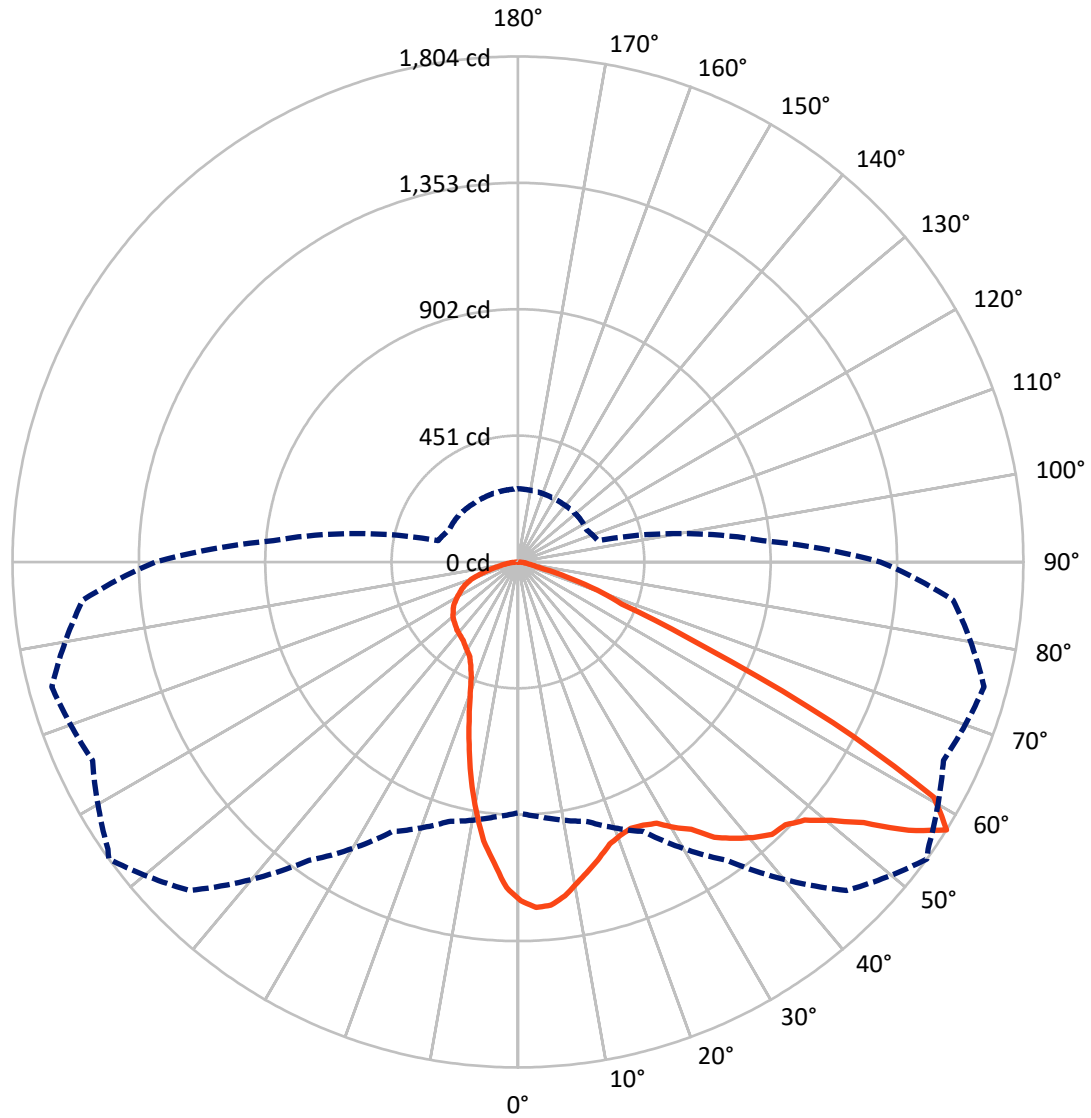
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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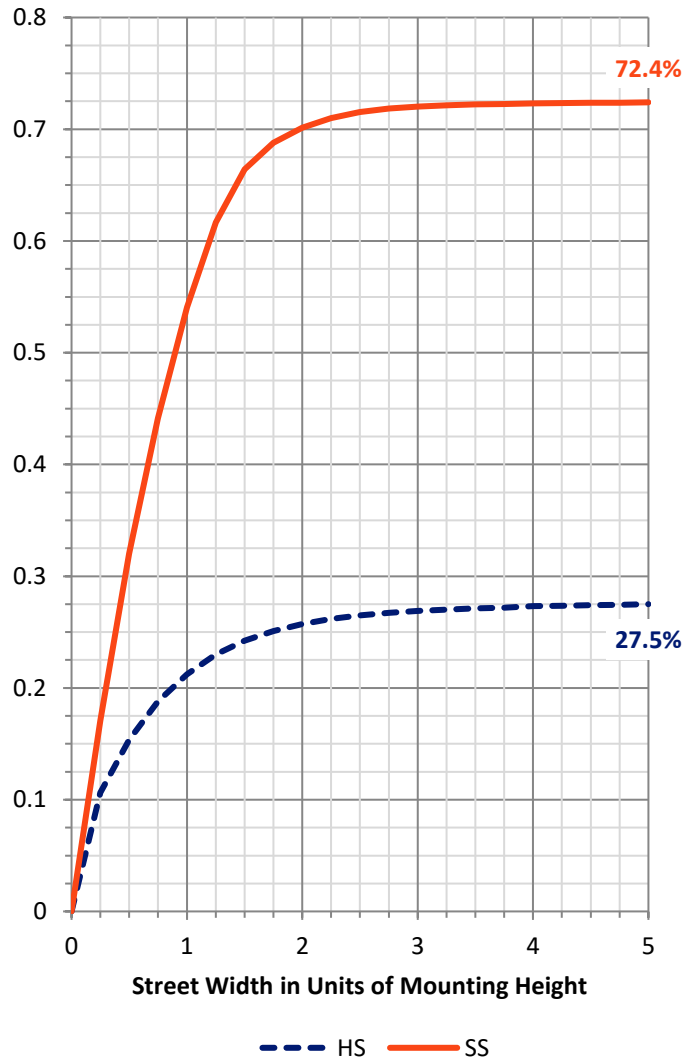
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	860.7	0.0	860.7
	% Fixture	27.7	0.0	27.7
<b>Street Side</b>	Lumens	2250.3	0.0	2250.3
	% Fixture	72.3	0.0	72.3
<b>Total</b>	Lumens	3111.0	0.0	3111.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.3	3.4
10°-20°	241.5	7.8
20°-30°	339.2	10.9
30°-40°	474.3	15.2
40°-50°	642.1	20.6
50°-60°	782.1	25.1
60°-70°	407.3	13.1
70°-80°	104.4	3.4
80°-90°	15.9	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°	3111.0	100.0
0°-180°	3111.0	100.0

**Coefficient of Utilization**



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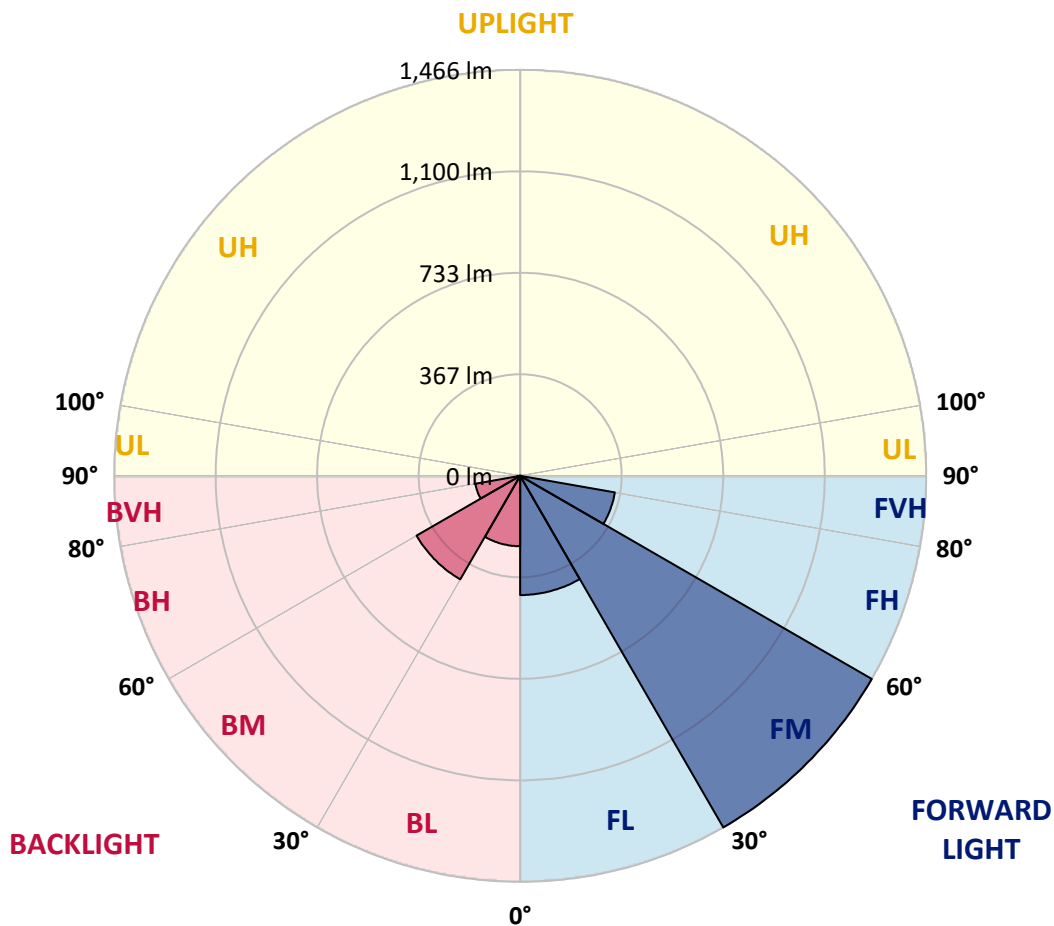
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	430.6	13.8			
FM (30°-60°)	1466.4	47.1			
FH (60°-80°)	347.3	11.2			G0/660
FVH (80°-90°)	6.0	0.2			G0/10
BL (0°-30°)	254.4	8.2	B1/500		
BM (30°-60°)	432.0	13.9	B1/1000		
BH (60°-80°)	164.4	5.3	B1/500		G1/500
BVH (80°-90°)	9.9	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°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2
2.5°	1243.6	1238.8	1239.6	1246.0	1238.0	1234.8	1234.8	1219.2	1220.4	1209.6	1206.8
5°	1214.8	1203.6	1211.2	1220.8	1222.4	1225.6	1230.8	1226.8	1215.6	1204.0	1185.2
7.5°	1139.6	1149.6	1152.4	1159.2	1173.6	1186.8	1203.2	1192.0	1191.6	1180.0	1168.8
10°	1073.7	1067.7	1082.9	1092.8	1116.8	1138.8	1164.0	1162.8	1168.8	1155.6	1136.4
12.5°	1008.1	1003.3	1010.5	1033.3	1066.9	1098.8	1128.8	1117.6	1149.6	1147.2	1106.0
15°	938.5	942.1	952.5	973.7	1017.7	1056.1	1094.0	1094.4	1122.8	1132.4	1077.3
17.5°	889.7	885.7	898.9	930.5	969.7	1015.7	1058.9	1067.7	1111.2	1116.8	1068.5
20°	853.3	858.9	876.1	892.1	937.3	992.9	1041.7	1044.9	1108.8	1124.0	1054.5
22.5°	844.5	841.3	846.9	872.9	910.1	970.5	1032.5	1044.5	1108.4	1121.6	1028.1
25°	835.3	845.7	845.3	871.3	898.5	952.5	1040.1	1053.3	1129.6	1134.0	1031.7
27.5°	856.1	854.9	866.1	868.1	901.7	957.3	1056.1	1066.1	1164.8	1161.2	1034.5
30°	876.9	870.9	877.7	901.3	916.9	984.9	1100.0	1099.2	1210.4	1208.0	1043.3
32.5°	902.5	899.7	904.1	924.9	951.3	1021.7	1137.2	1160.8	1256.8	1272.0	1073.7
35°	907.3	918.9	929.3	957.3	994.9	1081.3	1207.2	1226.8	1310.4	1358.0	1131.6
37.5°	937.7	942.1	966.5	1016.1	1050.5	1160.8	1251.6	1264.0	1359.2	1413.1	1192.8
40°	970.1	975.3	1012.1	1064.1	1111.2	1212.8	1293.2	1297.2	1374.8	1455.5	1232.8
42.5°	1014.1	1018.9	1055.3	1120.4	1183.6	1257.2	1330.0	1334.4	1373.6	1504.3	1296.4
45°	1059.7	1071.3	1114.0	1188.0	1244.8	1309.2	1338.4	1356.4	1384.8	1547.9	1348.0
47.5°	1123.6	1134.4	1169.6	1242.0	1308.4	1354.8	1377.2	1394.8	1411.5	1585.9	1381.2
50°	1191.6	1193.6	1236.4	1302.0	1350.8	1406.3	1449.5	1455.5	1446.7	1629.9	1437.5
52.5°	1241.6	1248.0	1281.2	1345.2	1417.9	1486.3	1545.5	1551.9	1534.7	1646.3	1456.7
55°	1158.8	1155.2	1209.2	1294.4	1463.1	1605.5	1691.5	1696.3	1598.7	1697.1	1519.5
57.5°	895.7	912.9	958.9	1061.7	1300.0	1658.3	1804.2	1787.0	1675.5	1722.6	1559.5
60°	651.0	647.0	677.8	746.6	979.7	1429.1	1705.8	1723.4	1612.7	1552.7	1286.0
62.5°	530.2	524.6	527.0	529.4	632.2	948.5	1262.8	1262.4	1242.0	1116.0	867.3
65°	423.9	437.1	438.3	456.3	469.4	566.6	731.8	771.0	671.4	550.6	399.5
67.5°	319.5	314.7	330.7	394.7	419.5	409.1	399.5	403.9	287.1	207.1	195.1
70°	188.3	186.3	205.5	275.1	345.5	325.1	301.1	301.5	197.1	144.8	161.1
72.5°	103.2	102.8	106.8	139.6	196.3	203.9	180.7	186.3	117.6	117.2	126.0
75°	57.6	56.4	55.2	61.6	70.8	74.8	76.4	77.2	80.8	90.4	94.0
77.5°	21.2	20.4	20.4	23.6	30.0	37.6	47.6	48.4	57.2	65.6	69.2
80°	7.2	8.0	10.8	14.8	20.0	26.8	32.4	33.2	40.4	46.0	47.2
82.5°	4.4	4.8	7.2	10.4	14.4	18.8	24.0	24.4	30.0	33.6	35.2
85°	2.0	2.4	4.0	6.4	9.2	12.4	12.8	12.8	12.4	12.8	12.0
87.5°	0.0	0.0	0.8	0.8	0.8	1.2	1.6	1.2	2.0	2.4	2.4
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°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2
2.5°	1198.4	1194.0	1180.4	1168.4	1164.8	1148.8	1125.2	1128.0	1110.8	1118.8	1110.4
5°	1182.0	1167.2	1132.4	1117.6	1078.9	1061.3	1049.3	1019.3	1005.3	1002.5	990.5
7.5°	1140.0	1130.8	1087.2	1047.3	1006.1	970.9	925.7	894.9	872.9	866.9	849.3
10°	1106.8	1086.4	1026.1	965.3	906.5	845.3	786.5	740.6	718.2	692.2	683.4
12.5°	1074.1	1043.3	961.7	883.7	807.7	730.6	659.4	603.4	554.6	543.0	539.0
15°	1053.7	1000.1	904.1	810.1	702.2	601.4	530.2	493.4	463.5	451.1	459.9
17.5°	1026.9	964.5	848.9	723.8	605.0	512.2	452.7	429.9	419.1	420.3	416.7
20°	993.3	930.9	776.5	645.4	518.2	444.3	410.3	401.9	403.5	406.3	405.1
22.5°	969.3	890.1	724.2	565.4	447.9	406.7	392.7	386.7	391.9	394.3	392.3
25°	950.9	855.3	660.6	494.6	407.1	385.5	379.1	378.7	386.7	389.9	387.9
27.5°	934.1	822.9	597.4	440.7	379.9	369.1	367.1	371.9	377.1	380.3	383.1
30°	924.1	798.1	538.2	395.5	366.3	361.1	357.5	361.9	364.7	367.9	366.3
32.5°	933.7	780.5	481.0	369.9	355.1	349.9	354.7	351.9	356.7	359.5	355.1
35°	963.7	765.0	440.3	356.3	342.3	344.3	345.1	343.9	345.9	343.5	348.7
37.5°	993.3	759.4	402.7	344.7	336.3	336.3	335.5	333.1	337.1	336.3	338.7
40°	1030.9	763.0	370.7	332.3	330.7	329.9	326.7	326.3	324.7	325.1	325.9
42.5°	1063.7	771.0	352.3	324.3	325.5	327.1	321.1	316.3	318.3	314.3	314.3
45°	1098.4	778.1	335.9	318.7	317.5	317.1	312.3	309.5	307.9	308.3	311.9
47.5°	1153.2	788.5	323.5	311.1	311.9	305.9	304.7	301.1	302.7	305.1	305.5
50°	1192.0	810.5	313.9	302.3	305.1	301.1	293.9	292.3	292.3	296.3	295.5
52.5°	1219.2	841.3	304.7	292.7	293.9	290.7	288.3	284.7	282.3	287.9	290.7
55°	1302.4	892.5	302.3	284.7	284.3	281.1	276.7	273.1	271.9	272.7	278.3
57.5°	1294.4	876.5	294.7	270.7	269.9	265.5	261.1	259.9	259.5	260.3	261.9
60°	1050.9	647.4	263.1	254.7	253.5	252.7	248.3	243.5	241.1	243.5	241.5
62.5°	695.4	433.5	231.9	235.5	236.3	234.3	227.1	222.3	223.1	225.9	221.5
65°	341.5	254.7	210.3	219.9	220.7	215.1	208.3	202.7	199.9	202.3	200.3
67.5°	195.1	194.7	192.7	202.7	202.3	196.7	185.9	181.1	176.3	177.1	175.9
70°	165.5	168.7	172.7	178.7	178.3	171.9	159.1	155.5	148.8	148.0	146.0
72.5°	130.4	136.0	144.8	149.2	145.6	137.6	129.2	123.2	117.2	113.6	114.8
75°	96.8	104.8	109.6	112.4	106.8	102.4	95.6	88.4	81.2	78.0	76.8
77.5°	70.4	72.8	77.2	79.2	75.6	71.2	67.2	60.0	53.2	48.8	47.6
80°	49.2	50.8	54.0	54.0	54.0	52.0	46.8	39.6	35.2	31.2	30.4
82.5°	34.4	36.0	39.2	37.6	37.2	34.8	31.6	26.0	21.2	18.4	17.6
85°	12.0	13.2	16.0	19.2	20.4	20.0	18.0	14.4	11.2	9.2	8.4
87.5°	2.8	2.8	3.2	2.8	2.8	3.2	2.8	2.8	2.8	2.0	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

(END OF REPORT)