

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: P526550

Luminaire Tested: **GALN-SA1C-730-U-T2-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526550  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1C-730-U-T2-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS  
WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5435 lumens  
Efficiency: N/A  
Efficacy: 95.4 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

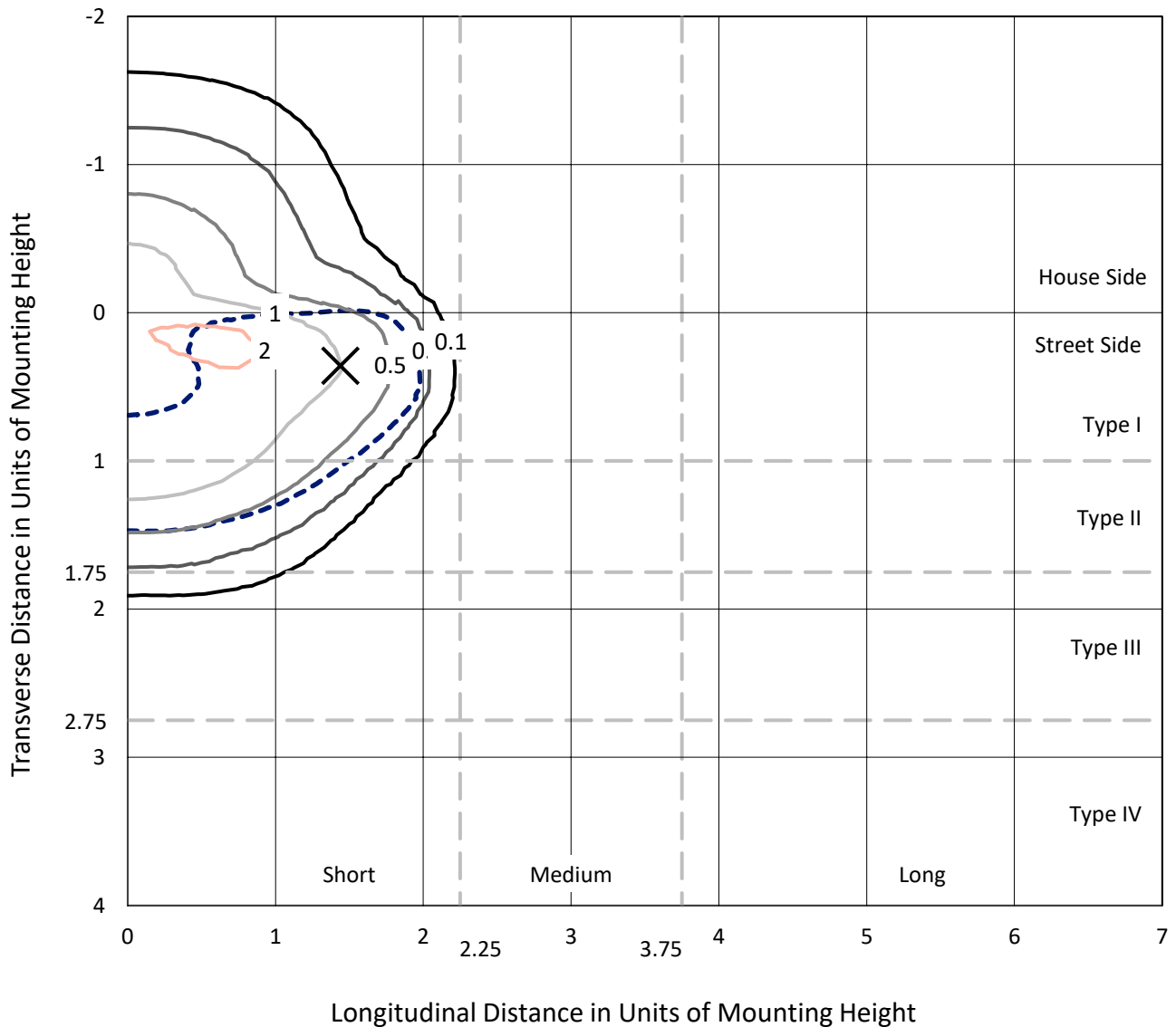
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P526550  
 CATALOG NUMBER: GALN-SA1C-730-U-T2-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

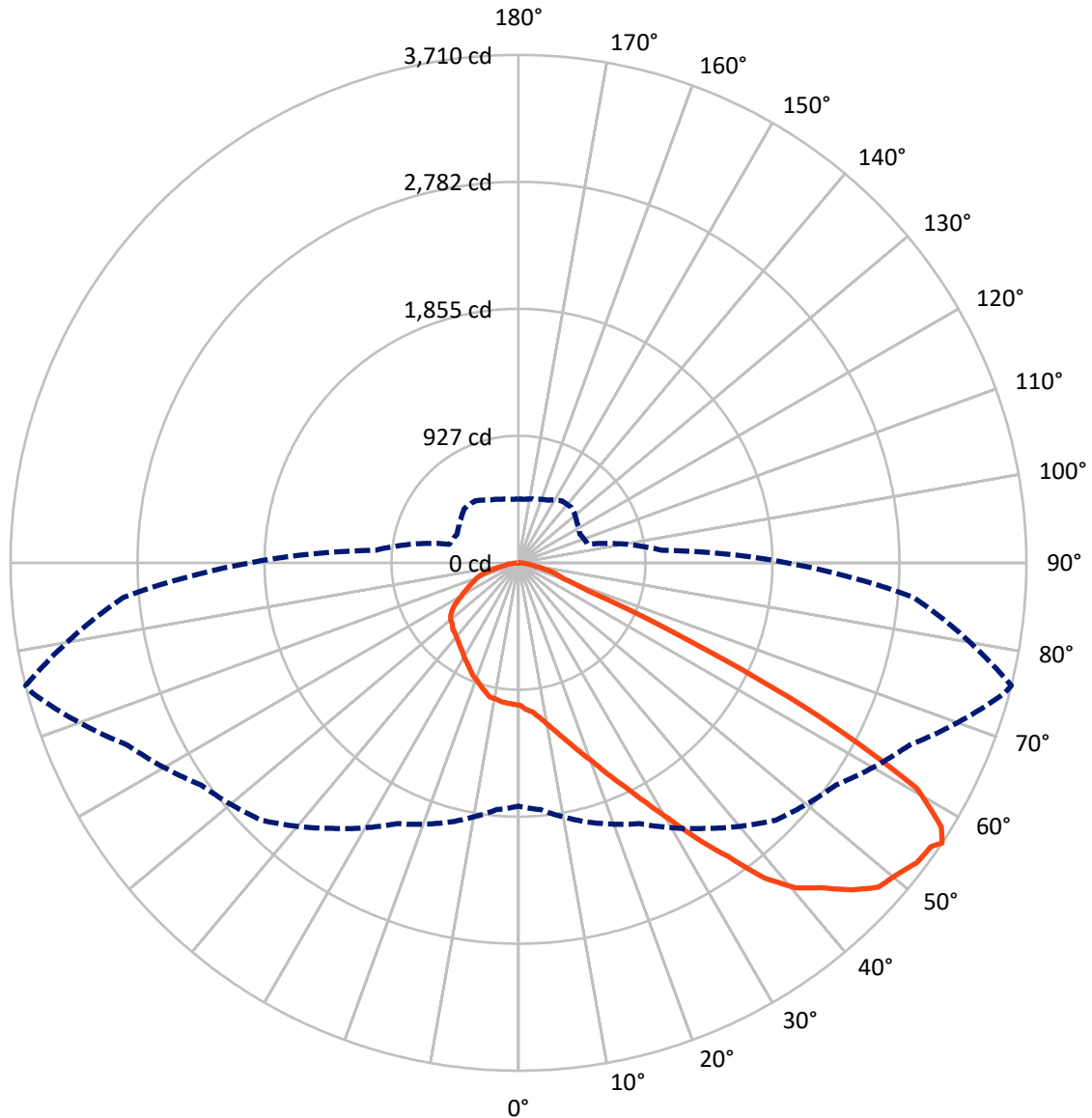
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type II - Short - N/A

REPORT NUMBER: P526550  
CATALOG NUMBER: GALN-SA1C-730-U-T2-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P526550  
 CATALOG NUMBER: GALN-SA1C-730-U-T2-GRSWH

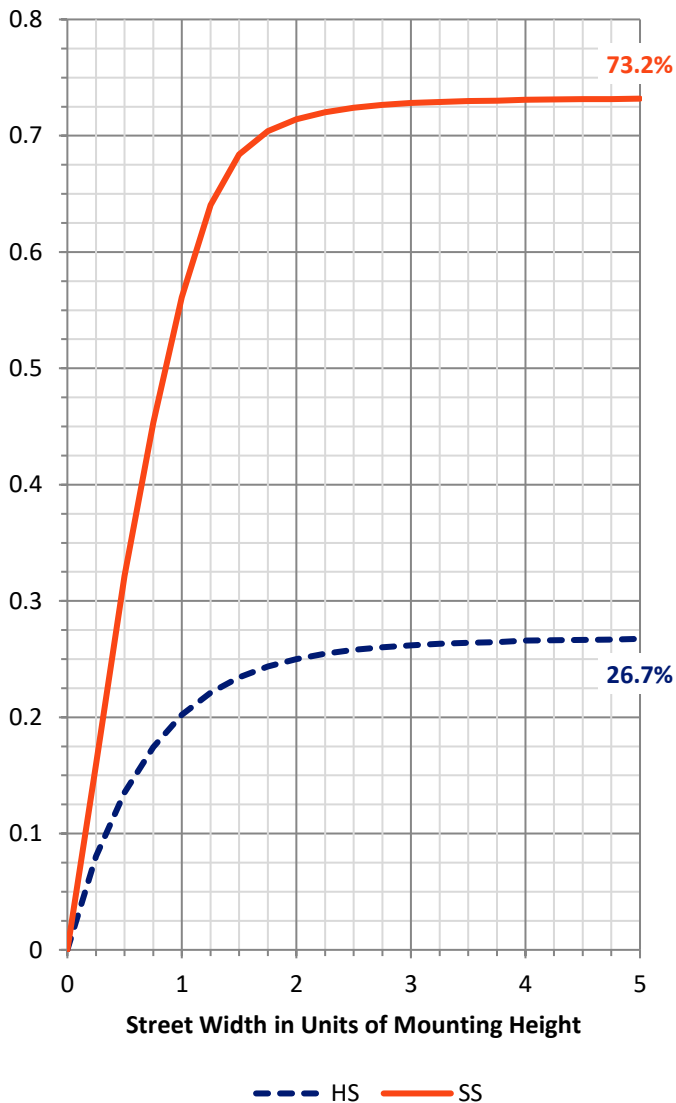
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1461.3	0.0	1461.3
	% Fixture	26.9	0.0	26.9
<b>Street Side</b>	Lumens	3973.7	0.0	3973.7
	% Fixture	73.1	0.0	73.1
<b>Total</b>	Lumens	5435.0	0.0	5435.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.1	1.9
10°-20°	324.0	6.0
20°-30°	566.6	10.4
30°-40°	887.1	16.3
40°-50°	1290.4	23.7
50°-60°	1418.3	26.1
60°-70°	633.1	11.6
70°-80°	182.9	3.4
80°-90°	29.7	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°	5435.0	100.0
0°-180°	5435.0	100.0



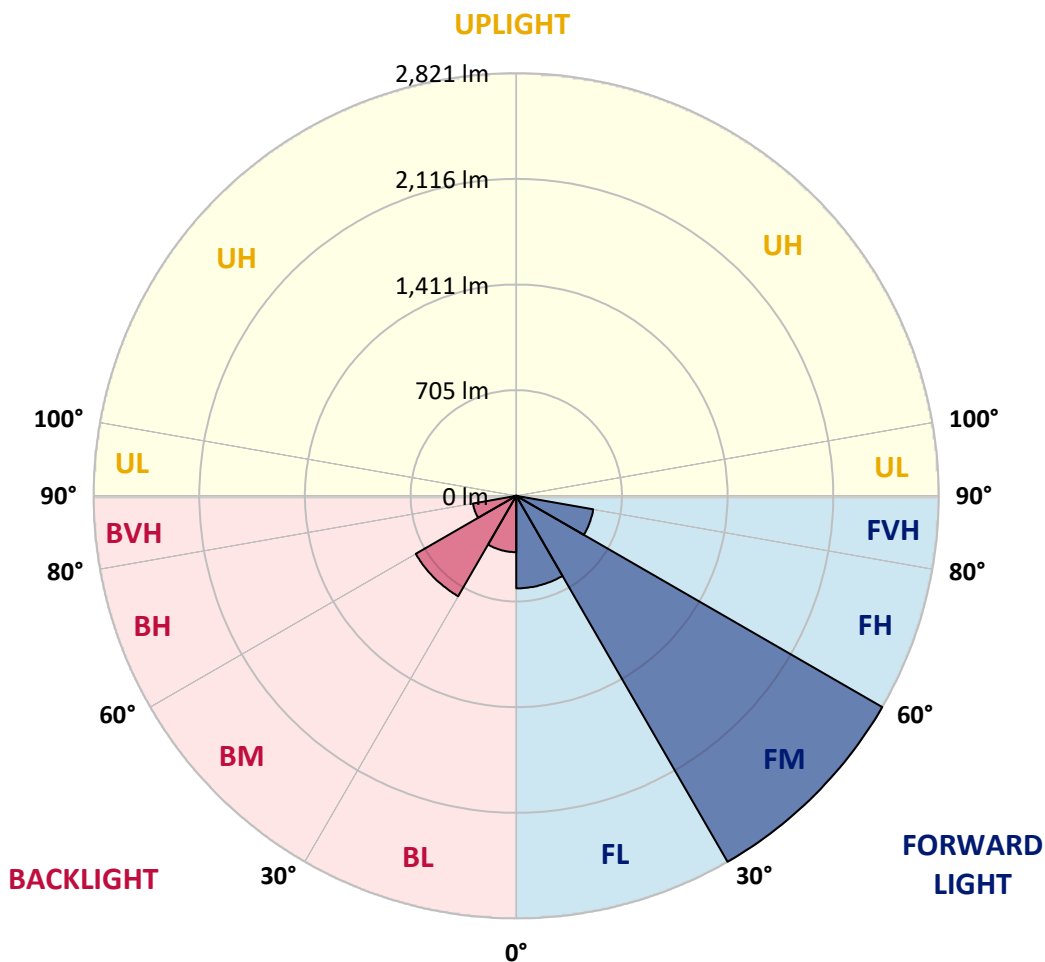
REPORT NUMBER: P526550  
 CATALOG NUMBER: GALN-SA1C-730-U-T2-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	617.6	11.4			
FM (30°-60°)	2821.4	51.9			
FH (60°-80°)	521.9	9.6			G0/660
FVH (80°-90°)	12.8	0.2			G1/100
BL (0°-30°)	376.0	6.9	B1/500		
BM (30°-60°)	774.4	14.2	B1/1000		
BH (60°-80°)	294.0	5.4	B1/500		G1/500
BVH (80°-90°)	16.9	0.3			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 II Short





REPORT NUMBER: P526550

CATALOG NUMBER: GALN-SA1C-730-U-T2-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9
2.5°	1145.6	1127.3	1125.9	1120.9	1123.8	1111.1	1097.7	1080.1	1061.8	1073.0	1046.3
5°	1225.9	1201.3	1211.1	1194.2	1196.3	1179.4	1151.9	1131.5	1109.0	1095.6	1076.6
7.5°	1254.1	1256.2	1263.3	1260.4	1246.4	1246.4	1228.0	1192.1	1152.6	1144.9	1113.2
10°	1292.1	1292.9	1285.1	1287.2	1306.9	1297.8	1281.6	1266.1	1215.4	1206.2	1149.8
12.5°	1305.5	1292.9	1305.5	1316.8	1340.1	1352.7	1349.2	1337.9	1283.7	1277.4	1194.9
15°	1307.6	1299.9	1310.5	1335.8	1356.3	1409.8	1436.6	1428.8	1357.0	1357.7	1245.6
17.5°	1297.8	1308.4	1312.6	1334.4	1381.6	1431.6	1509.1	1519.7	1460.5	1451.4	1309.8
20°	1311.2	1303.4	1309.1	1328.8	1391.5	1469.7	1571.1	1640.9	1557.8	1551.4	1376.0
22.5°	1362.6	1352.0	1350.6	1363.3	1408.4	1489.4	1636.7	1762.1	1676.1	1679.6	1458.4
25°	1402.8	1408.4	1403.5	1402.8	1430.9	1519.0	1723.3	1906.5	1836.8	1816.3	1555.6
27.5°	1471.8	1485.2	1475.3	1488.7	1482.4	1563.4	1785.3	2066.4	2010.1	1982.6	1643.7
30°	1567.6	1574.7	1565.5	1565.5	1546.5	1625.4	1841.7	2233.4	2210.2	2172.8	1747.3
32.5°	1693.7	1704.3	1686.0	1675.4	1672.6	1717.7	1943.2	2398.3	2437.7	2406.0	1884.7
35°	1860.7	1854.4	1832.5	1822.7	1784.6	1859.3	2093.9	2587.8	2691.4	2635.0	2050.9
37.5°	2008.0	1998.1	1996.7	1941.7	1950.9	2012.2	2222.2	2731.5	2937.3	2921.1	2226.4
40°	2145.4	2154.5	2169.3	2138.3	2124.2	2191.9	2371.5	2841.5	3128.2	3121.9	2361.7
42.5°	2292.6	2284.2	2310.2	2284.2	2263.0	2358.8	2533.6	2917.5	3295.9	3243.8	2503.3
45°	2506.1	2479.3	2488.5	2490.6	2475.1	2510.3	2600.5	2972.5	3413.6	3407.9	2606.8
47.5°	2684.3	2685.0	2669.5	2657.6	2610.4	2645.6	2675.2	3007.0	3548.8	3539.7	2647.0
50°	2750.6	2741.4	2786.5	2812.6	2815.4	2743.5	2733.7	3026.0	3620.0	3579.8	2687.2
52.5°	2512.4	2520.9	2592.0	2747.0	2836.5	2844.3	2802.0	3065.5	3648.9	3640.4	2719.6
55°	2022.1	2062.9	2179.9	2358.8	2570.9	2804.1	2876.0	3106.4	3664.4	3657.3	2863.3
56°	1777.6	1809.3	1961.5	2101.7	2368.0	2658.3	2829.5	3150.0	3676.3	3709.5	2897.1
57.5°	1430.9	1467.6	1576.8	1736.0	2050.2	2380.7	2701.2	3096.5	3629.8	3642.5	2921.8
60°	894.8	898.3	1029.3	1134.3	1355.6	1678.2	2061.5	2694.2	3359.3	3341.0	2624.5
62.5°	586.9	587.6	706.7	792.6	893.4	967.3	1213.2	1786.7	2478.6	2446.2	1868.5
65°	412.2	421.3	513.6	628.5	669.3	630.6	622.8	942.0	1384.4	1337.9	1004.0
67.5°	301.5	302.3	384.0	507.3	566.5	479.8	389.6	460.1	548.1	546.7	465.0
70°	199.4	207.8	270.5	379.0	446.7	385.4	318.5	329.0	348.8	348.8	345.9
72.5°	116.3	124.0	165.6	240.3	250.8	241.0	252.2	281.8	294.5	293.8	290.3
75°	66.2	69.8	78.9	100.0	124.7	147.3	185.3	213.5	226.2	233.9	224.8
77.5°	38.8	40.9	46.5	57.1	64.8	79.6	100.8	120.5	137.4	135.3	136.7
80°	20.4	20.4	26.1	33.8	45.1	56.4	66.9	78.2	87.4	89.5	91.6
82.5°	12.0	12.7	16.9	24.7	32.4	40.2	51.4	59.2	67.6	68.3	69.8
85°	6.3	7.0	10.6	16.2	21.8	24.7	25.4	24.0	26.1	24.7	28.2
87.5°	2.1	2.1	3.5	2.8	2.8	3.5	4.2	4.2	5.6	5.6	5.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P526550

CATALOG NUMBER: GALN-SA1C-730-U-T2-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9
2.5°	1045.6	1045.6	1033.6	1011.0	1007.5	998.3	989.9	989.2	982.8	977.2	974.4
5°	1065.3	1043.4	1025.8	1005.4	981.4	970.2	957.5	943.4	937.8	943.4	942.7
7.5°	1087.8	1069.5	1016.7	978.6	951.1	939.9	925.8	911.0	912.4	912.4	902.5
10°	1109.7	1085.0	1000.5	951.8	911.7	903.2	895.5	901.1	908.2	909.6	903.2
12.5°	1146.3	1090.6	992.7	925.1	899.7	881.4	886.3	901.8	916.6	912.4	917.3
15°	1173.8	1095.6	957.5	897.6	865.9	874.3	892.0	902.5	927.2	924.4	929.3
17.5°	1200.6	1098.4	923.0	861.0	847.6	870.8	884.2	914.5	922.3	939.2	945.5
20°	1255.5	1104.0	887.7	838.4	834.2	861.0	884.2	898.3	915.2	930.0	930.0
22.5°	1283.7	1101.2	864.5	808.8	822.2	839.1	860.3	884.2	884.2	898.3	899.0
25°	1318.9	1089.9	827.8	794.7	804.6	820.8	844.8	836.3	845.5	845.5	856.7
27.5°	1359.1	1066.0	796.1	769.4	789.1	806.7	810.2	804.6	794.0	792.6	788.4
30°	1391.5	1036.4	772.9	760.9	777.1	787.0	775.7	763.7	745.4	744.0	734.1
32.5°	1435.9	999.8	744.0	739.8	758.1	758.8	755.3	737.0	710.2	698.9	687.6
35°	1510.6	978.6	722.2	728.5	734.1	732.0	725.7	706.0	679.2	674.3	670.0
37.5°	1565.5	963.1	699.6	707.4	712.3	715.1	696.1	674.3	675.0	665.1	662.3
40°	1627.5	953.3	681.3	684.8	685.5	694.7	671.4	660.9	665.8	659.5	663.7
42.5°	1707.1	956.1	662.3	659.5	672.8	669.3	658.1	644.0	646.8	627.8	630.6
45°	1749.4	975.1	651.0	638.3	653.1	652.4	637.6	624.2	607.3	570.7	572.1
47.5°	1777.6	980.0	624.2	615.8	631.3	640.4	623.5	592.5	568.6	542.5	536.2
50°	1806.5	989.2	611.6	593.9	600.3	622.1	601.0	571.4	548.1	524.9	528.4
52.5°	1831.8	1006.8	586.9	560.8	572.1	596.1	584.8	548.8	523.5	504.5	498.8
55°	1944.6	1046.3	545.3	511.5	538.3	568.6	562.2	518.5	491.1	481.2	479.8
56°	1962.2	1047.7	523.5	494.6	519.3	559.4	551.7	505.2	480.5	465.0	465.7
57.5°	1965.0	1030.8	492.5	479.1	500.2	546.0	536.2	494.6	460.8	446.7	442.5
60°	1729.0	804.6	453.7	445.3	469.9	505.2	501.6	465.7	427.7	411.5	419.2
62.5°	1178.7	589.7	423.4	422.0	434.7	469.2	460.1	427.7	396.0	385.4	380.5
65°	686.2	447.4	393.8	388.2	398.8	417.1	423.4	389.6	356.5	349.5	347.3
67.5°	405.1	369.9	355.8	346.6	343.1	354.4	359.3	339.6	306.5	296.6	305.1
70°	338.9	329.0	329.7	314.2	305.8	298.0	293.8	276.2	248.7	236.0	232.5
72.5°	292.4	288.2	285.3	271.3	263.5	245.9	227.6	210.0	189.5	179.0	179.7
75°	223.3	221.9	223.3	216.3	202.9	188.8	171.9	149.4	133.9	120.5	123.3
77.5°	133.2	137.4	139.5	136.7	131.0	118.4	107.8	93.0	78.2	67.6	66.2
80°	91.6	95.1	98.6	95.1	89.5	80.3	69.0	57.8	47.2	41.6	40.2
82.5°	69.8	73.3	75.4	71.9	64.8	55.0	47.2	39.5	31.0	25.4	24.0
85°	25.4	28.9	28.2	33.8	36.6	35.2	30.3	23.3	17.6	12.7	12.0
87.5°	7.0	6.3	7.0	7.0	7.0	6.3	5.6	5.6	5.6	3.5	2.8
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)