

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: P526108

Luminaire Tested: **GALN-SA1A-735-U-T2-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526108  
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-SA1A-735-U-T2-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 615mA 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: 3616 lumens  
Efficiency: N/A  
Efficacy: 109.6 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

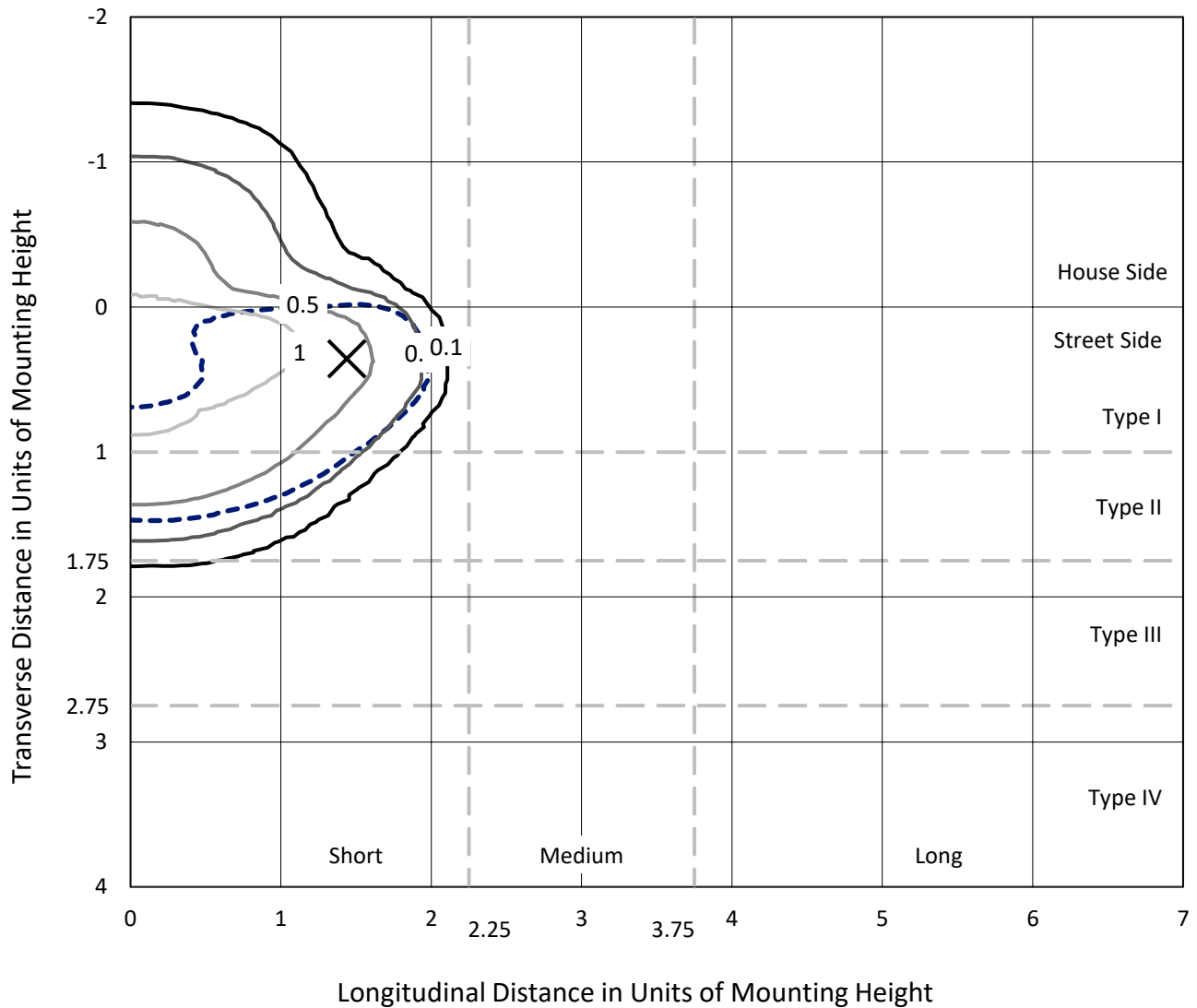
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P526108  
 CATALOG NUMBER: GALN-SA1A-735-U-T2-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

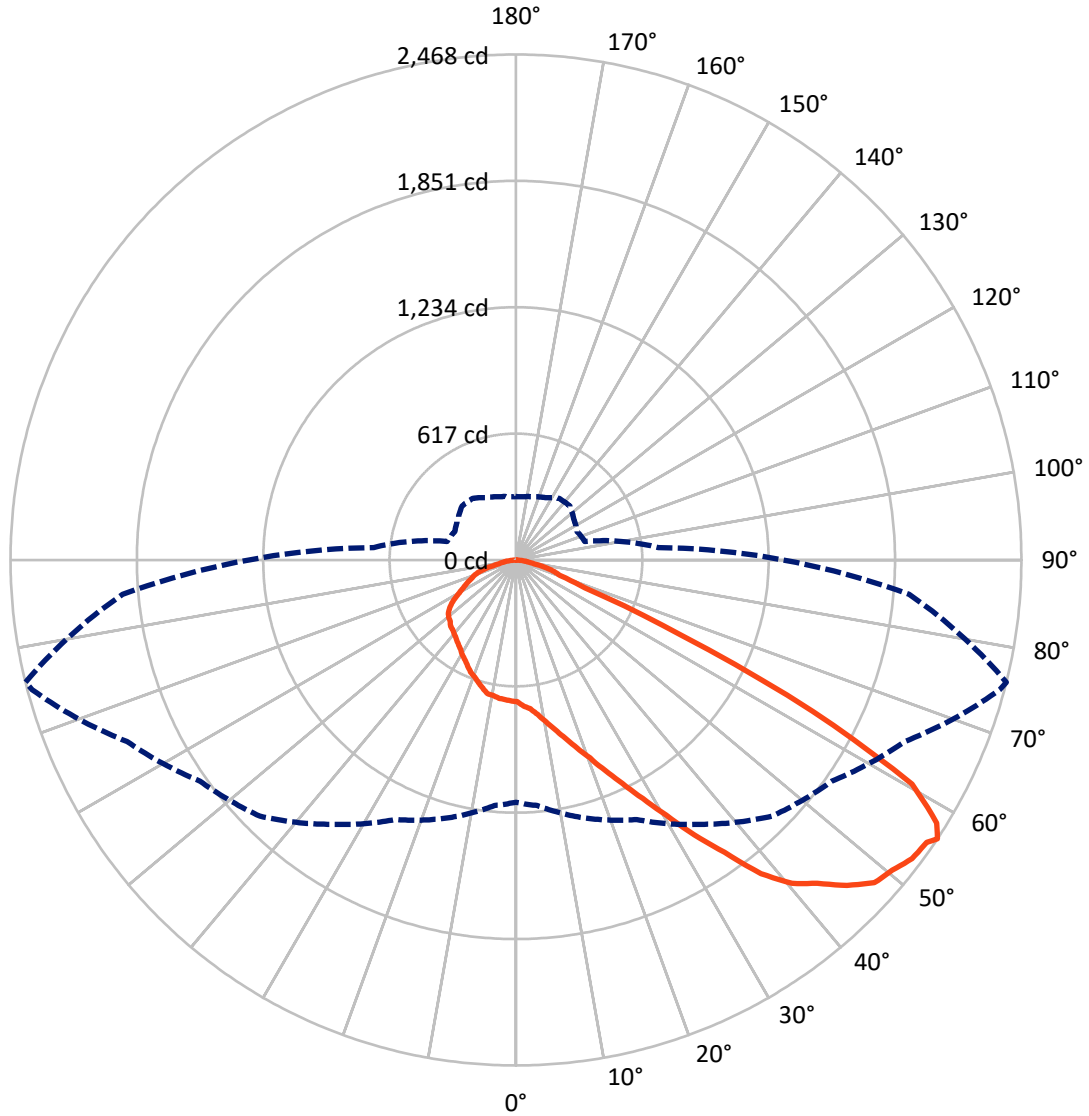
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type II - Short - N/A

REPORT NUMBER: P526108  
CATALOG NUMBER: GALN-SA1A-735-U-T2-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P526108  
 CATALOG NUMBER: GALN-SA1A-735-U-T2-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	972.2	0.0	972.2
	% Fixture	26.9	0.0	26.9
<b>Street Side</b>	Lumens	2643.8	0.0	2643.8
	% Fixture	73.1	0.0	73.1
<b>Total</b>	Lumens	3616.0	0.0	3616.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.6	1.9
10°-20°	215.5	6.0
20°-30°	376.9	10.4
30°-40°	590.2	16.3
40°-50°	858.6	23.7
50°-60°	943.6	26.1
60°-70°	421.2	11.6
70°-80°	121.7	3.4
80°-90°	19.7	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°	3616.0	100.0
0°-180°	3616.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P526108

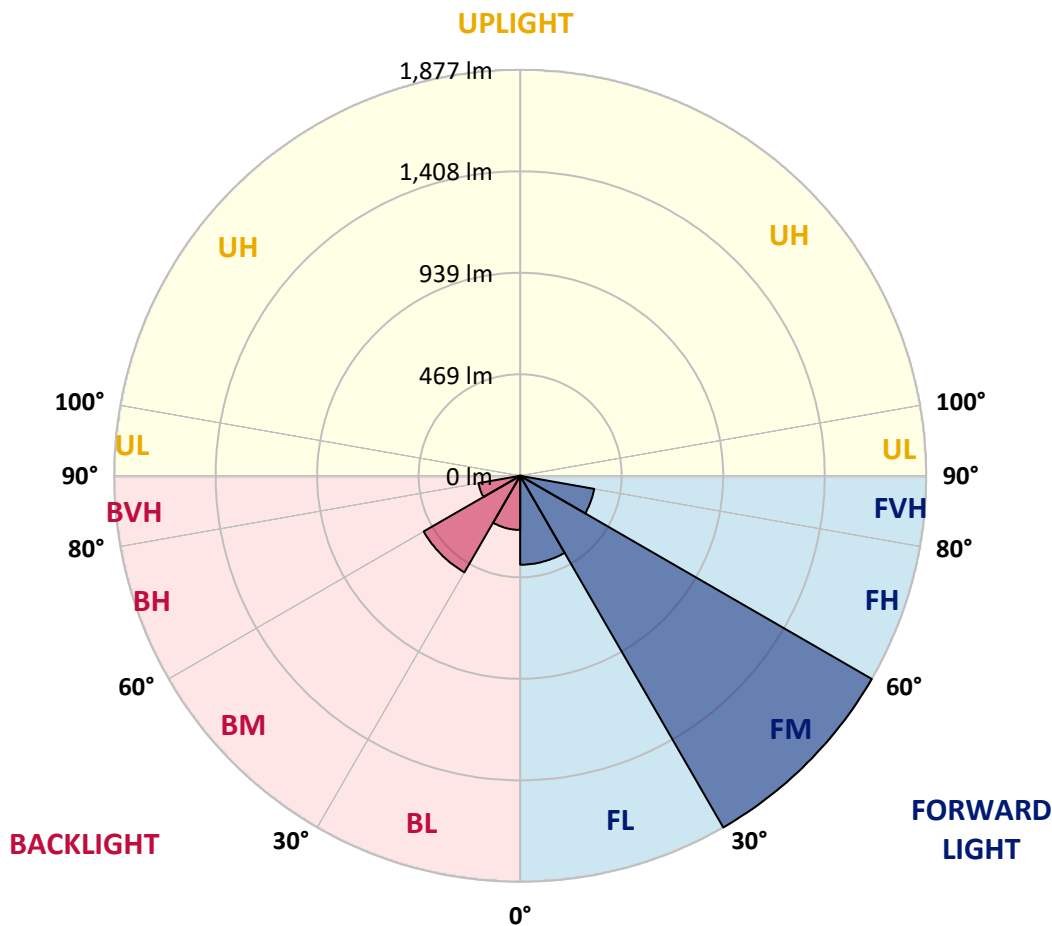
CATALOG NUMBER: GALN-SA1A-735-U-T2-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	410.9	11.4			
FM (30°-60°)	1877.1	51.9			
FH (60°-80°)	347.2	9.6			G0/660
FVH (80°-90°)	8.5	0.2			G0/10
BL (0°-30°)	250.2	6.9	B1/500		
BM (30°-60°)	515.2	14.2	B1/1000		
BH (60°-80°)	195.6	5.4	B1/500		G1/500
BVH (80°-90°)	11.2	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: P526108

CATALOG NUMBER: GALN-SA1A-735-U-T2-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	691.9	691.9	691.9	691.9	691.9	691.9	691.9	691.9	691.9	691.9	691.9
2.5°	762.2	750.0	749.1	745.8	747.7	739.2	730.3	718.6	706.4	713.9	696.1
5°	815.6	799.2	805.8	794.5	795.9	784.7	766.4	752.8	737.8	728.9	716.3
7.5°	834.4	835.8	840.5	838.6	829.2	829.2	817.0	793.1	766.9	761.7	740.6
10°	859.7	860.2	855.0	856.4	869.5	863.4	852.7	842.3	808.6	802.5	765.0
12.5°	868.6	860.2	868.6	876.1	891.6	900.0	897.7	890.2	854.1	849.8	795.0
15°	870.0	864.8	871.9	888.8	902.3	938.0	955.8	950.6	902.8	903.3	828.8
17.5°	863.4	870.5	873.3	887.8	919.2	952.5	1004.1	1011.1	971.7	965.6	871.4
20°	872.3	867.2	870.9	884.1	925.8	977.8	1045.3	1091.7	1036.4	1032.2	915.5
22.5°	906.6	899.5	898.6	907.0	937.0	990.9	1088.9	1172.3	1115.2	1117.5	970.3
25°	933.3	937.0	933.8	933.3	952.0	1010.6	1146.6	1268.4	1222.0	1208.4	1035.0
27.5°	979.2	988.1	981.6	990.5	986.3	1040.2	1187.8	1374.8	1337.3	1319.1	1093.6
30°	1043.0	1047.7	1041.6	1041.6	1028.9	1081.4	1225.3	1485.9	1470.5	1445.6	1162.5
32.5°	1126.9	1133.9	1121.7	1114.7	1112.8	1142.8	1292.8	1595.6	1621.9	1600.8	1253.9
35°	1238.0	1233.8	1219.2	1212.7	1187.3	1237.0	1393.1	1721.7	1790.6	1753.1	1364.5
37.5°	1335.9	1329.4	1328.4	1291.9	1298.0	1338.8	1478.4	1817.3	1954.2	1943.4	1481.3
40°	1427.3	1433.4	1443.3	1422.7	1413.3	1458.3	1577.8	1890.5	2081.3	2077.0	1571.3
42.5°	1525.3	1519.7	1537.0	1519.7	1505.6	1569.4	1685.6	1941.1	2192.8	2158.1	1665.5
45°	1667.3	1649.5	1655.6	1657.0	1646.7	1670.2	1730.2	1977.7	2271.1	2267.3	1734.4
47.5°	1785.9	1786.4	1776.1	1768.1	1736.7	1760.2	1779.8	2000.6	2361.1	2355.0	1761.1
50°	1830.0	1823.9	1853.9	1871.3	1873.1	1825.3	1818.8	2013.3	2408.4	2381.7	1787.8
52.5°	1671.6	1677.2	1724.5	1827.7	1887.2	1892.3	1864.2	2039.5	2427.7	2422.0	1809.4
55°	1345.3	1372.5	1450.3	1569.4	1710.5	1865.6	1913.4	2066.7	2438.0	2433.3	1905.0
56°	1182.7	1203.8	1305.0	1398.3	1575.5	1768.6	1882.5	2095.8	2445.9	2468.0	1927.5
57.5°	952.0	976.4	1049.1	1155.0	1364.1	1583.9	1797.2	2060.2	2415.0	2423.4	1943.9
60°	595.3	597.7	684.8	754.7	901.9	1116.6	1371.6	1792.5	2235.0	2222.8	1746.1
62.5°	390.5	390.9	470.2	527.3	594.4	643.6	807.2	1188.8	1649.1	1627.5	1243.1
65°	274.2	280.3	341.7	418.1	445.3	419.5	414.4	626.7	921.1	890.2	668.0
67.5°	200.6	201.1	255.5	337.5	376.9	319.2	259.2	306.1	364.7	363.8	309.4
70°	132.7	138.3	180.0	252.2	297.2	256.4	211.9	218.9	232.0	232.0	230.2
72.5°	77.3	82.5	110.2	159.8	166.9	160.3	167.8	187.5	195.9	195.5	193.1
75°	44.1	46.4	52.5	66.6	83.0	98.0	123.3	142.0	150.5	155.6	149.5
77.5°	25.8	27.2	30.9	38.0	43.1	53.0	67.0	80.2	91.4	90.0	90.9
80°	13.6	13.6	17.3	22.5	30.0	37.5	44.5	52.0	58.1	59.5	60.9
82.5°	8.0	8.4	11.3	16.4	21.6	26.7	34.2	39.4	45.0	45.5	46.4
85°	4.2	4.7	7.0	10.8	14.5	16.4	16.9	15.9	17.3	16.4	18.8
87.5°	1.4	1.4	2.3	1.9	1.9	2.3	2.8	2.8	3.8	3.8	3.8
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: P526108

CATALOG NUMBER: GALN-SA1A-735-U-T2-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	691.9	691.9	691.9	691.9	691.9	691.9	691.9	691.9	691.9	691.9	691.9
2.5°	695.6	695.6	687.7	672.7	670.3	664.2	658.6	658.1	653.9	650.2	648.3
5°	708.8	694.2	682.5	668.9	653.0	645.5	637.0	627.7	623.9	627.7	627.2
7.5°	723.8	711.6	676.4	651.1	632.8	625.3	615.9	606.1	607.0	607.0	600.5
10°	738.3	721.9	665.6	633.3	606.6	600.9	595.8	599.5	604.2	605.2	600.9
12.5°	762.7	725.6	660.5	615.5	598.6	586.4	589.7	600.0	609.8	607.0	610.3
15°	780.9	728.9	637.0	597.2	576.1	581.7	593.4	600.5	616.9	615.0	618.3
17.5°	798.8	730.8	614.1	572.8	563.9	579.4	588.3	608.4	613.6	624.8	629.1
20°	835.3	734.5	590.6	557.8	555.0	572.8	588.3	597.7	608.9	618.8	618.8
22.5°	854.1	732.7	575.2	538.1	547.0	558.3	572.3	588.3	588.3	597.7	598.1
25°	877.5	725.2	550.8	528.8	535.3	546.1	562.0	556.4	562.5	562.5	570.0
27.5°	904.2	709.2	529.7	511.9	525.0	536.7	539.1	535.3	528.3	527.3	524.5
30°	925.8	689.5	514.2	506.3	517.0	523.6	516.1	508.1	495.9	495.0	488.4
32.5°	955.3	665.2	495.0	492.2	504.4	504.8	502.5	490.3	472.5	465.0	457.5
35°	1005.0	651.1	480.5	484.7	488.4	487.0	482.8	469.7	451.9	448.6	445.8
37.5°	1041.6	640.8	465.5	470.6	473.9	475.8	463.1	448.6	449.1	442.5	440.6
40°	1082.8	634.2	453.3	455.6	456.1	462.2	446.7	439.7	443.0	438.8	441.6
42.5°	1135.8	636.1	440.6	438.8	447.7	445.3	437.8	428.4	430.3	417.7	419.5
45°	1163.9	648.8	433.1	424.7	434.5	434.1	424.2	415.3	404.1	379.7	380.6
47.5°	1182.7	652.0	415.3	409.7	420.0	426.1	414.8	394.2	378.3	360.9	356.7
50°	1201.9	658.1	406.9	395.2	399.4	413.9	399.8	380.2	364.7	349.2	351.6
52.5°	1218.8	669.8	390.5	373.1	380.6	396.6	389.1	365.2	348.3	335.6	331.9
55°	1293.8	696.1	362.8	340.3	358.1	378.3	374.1	345.0	326.7	320.2	319.2
56°	1305.5	697.0	348.3	329.1	345.5	372.2	367.0	336.1	319.7	309.4	309.8
57.5°	1307.3	685.8	327.7	318.8	332.8	363.3	356.7	329.1	306.6	297.2	294.4
60°	1150.3	535.3	301.9	296.3	312.7	336.1	333.8	309.8	284.5	273.8	278.9
62.5°	784.2	392.3	281.7	280.8	289.2	312.2	306.1	284.5	263.4	256.4	253.1
65°	456.6	297.7	262.0	258.3	265.3	277.5	281.7	259.2	237.2	232.5	231.1
67.5°	269.5	246.1	236.7	230.6	228.3	235.8	239.1	225.9	203.9	197.3	203.0
70°	225.5	218.9	219.4	209.1	203.4	198.3	195.5	183.8	165.5	157.0	154.7
72.5°	194.5	191.7	189.8	180.5	175.3	163.6	151.4	139.7	126.1	119.1	119.5
75°	148.6	147.7	148.6	143.9	135.0	125.6	114.4	99.4	89.1	80.2	82.0
77.5°	88.6	91.4	92.8	90.9	87.2	78.8	71.7	61.9	52.0	45.0	44.1
80°	60.9	63.3	65.6	63.3	59.5	53.4	45.9	38.4	31.4	27.7	26.7
82.5°	46.4	48.8	50.2	47.8	43.1	36.6	31.4	26.3	20.6	16.9	15.9
85°	16.9	19.2	18.8	22.5	24.4	23.4	20.2	15.5	11.7	8.4	8.0
87.5°	4.7	4.2	4.7	4.7	4.7	4.2	3.8	3.8	3.8	2.3	1.9
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)