

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: P526112

Luminaire Tested: **GALN-SA1A-735-U-T3-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526112  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)  
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-T3-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3675 lumens  
Efficiency: N/A  
Efficacy: 111.4 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

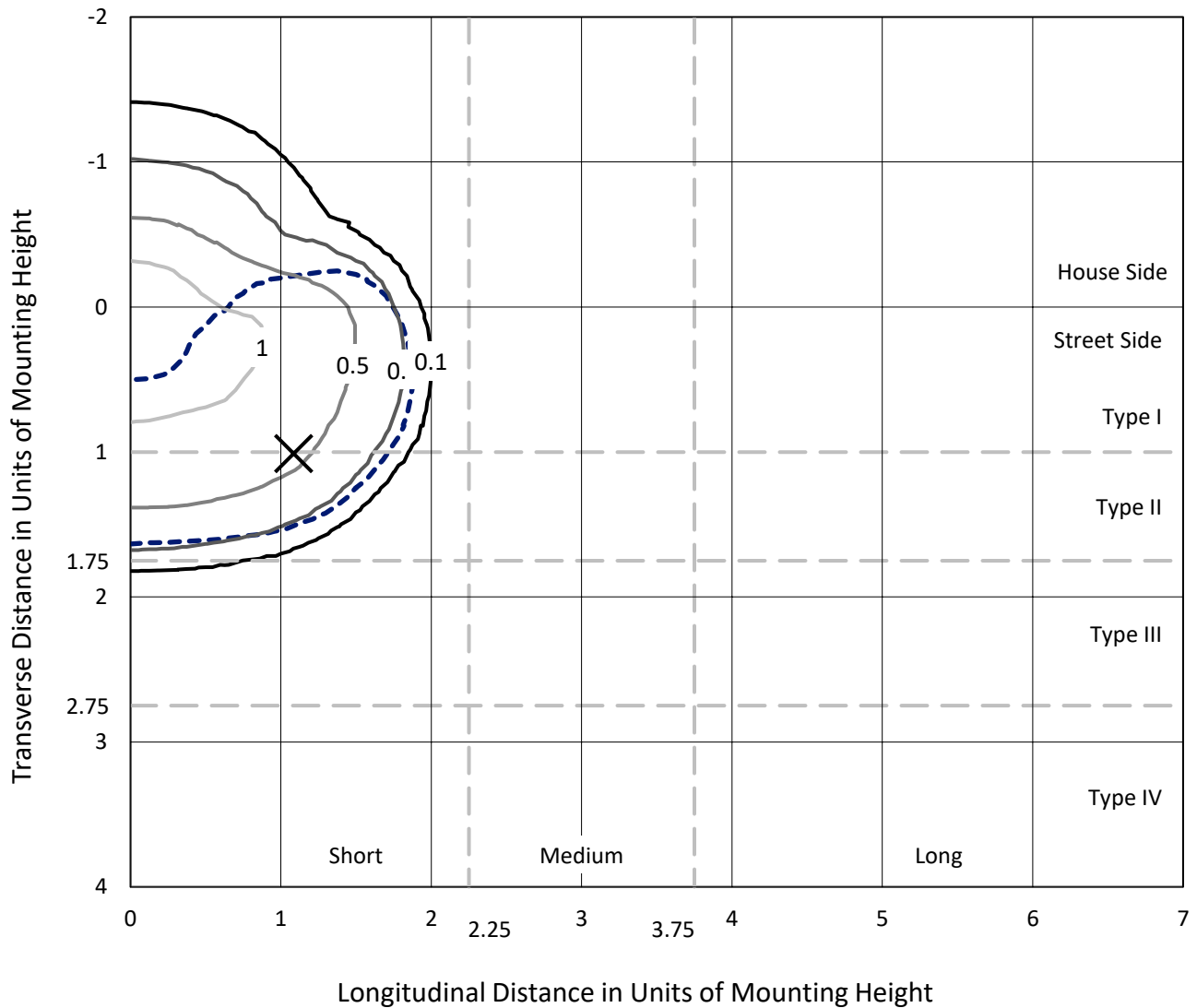
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

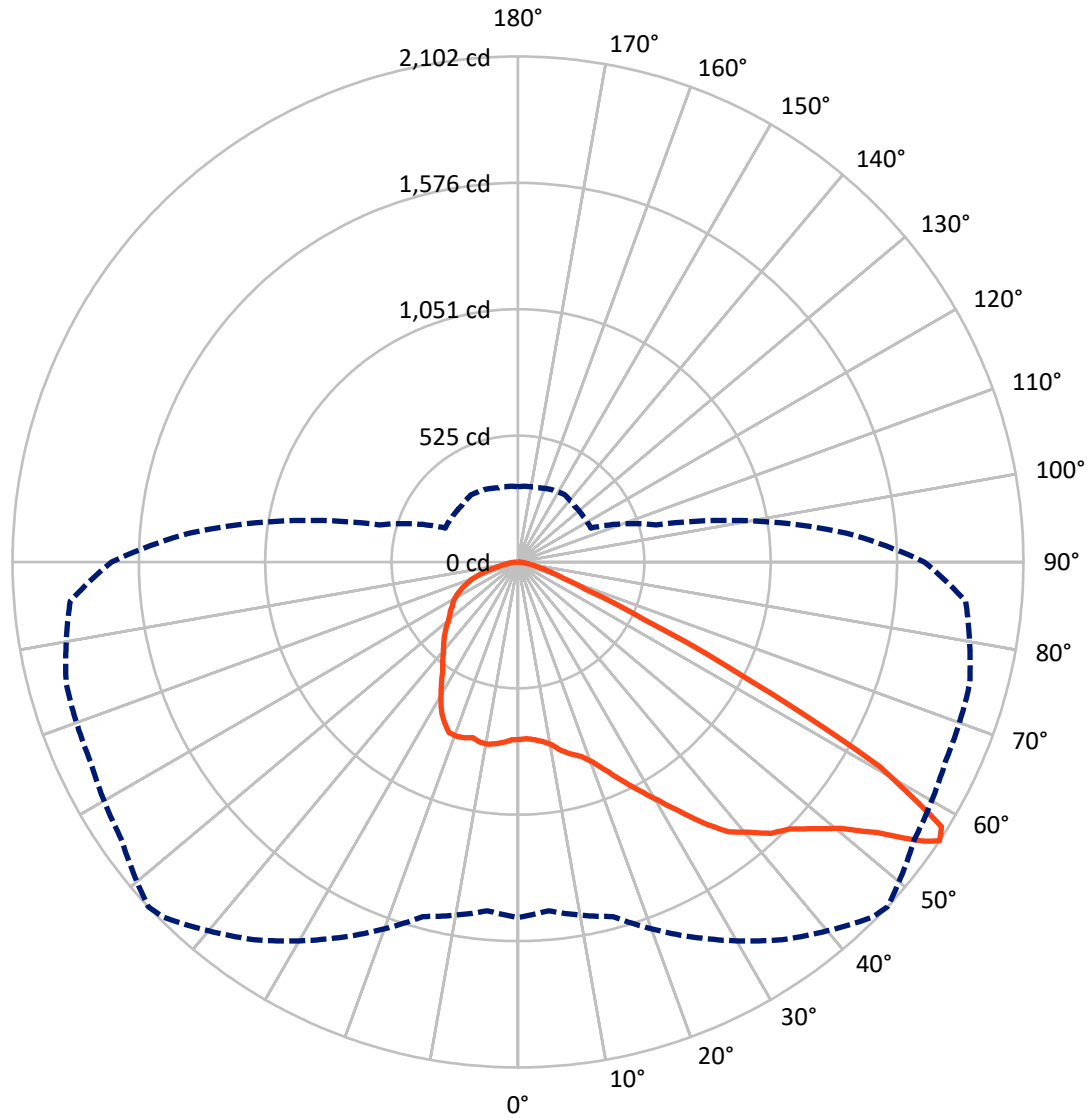
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 56-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1164.6	0.0	1164.6
	% Fixture	31.7	0.0	31.7
<b>Street Side</b>	Lumens	2510.4	0.0	2510.4
	% Fixture	68.3	0.0	68.3
<b>Total</b>	Lumens	3675.0	0.0	3675.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.9	2.0
10°-20°	226.9	6.2
20°-30°	401.1	10.9
30°-40°	602.4	16.4
40°-50°	826.8	22.5
50°-60°	985.0	26.8
60°-70°	421.5	11.5
70°-80°	119.3	3.2
80°-90°	20.1	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°	3675.0	100.0
0°-180°	3675.0	100.0

**Coefficient of Utilization**



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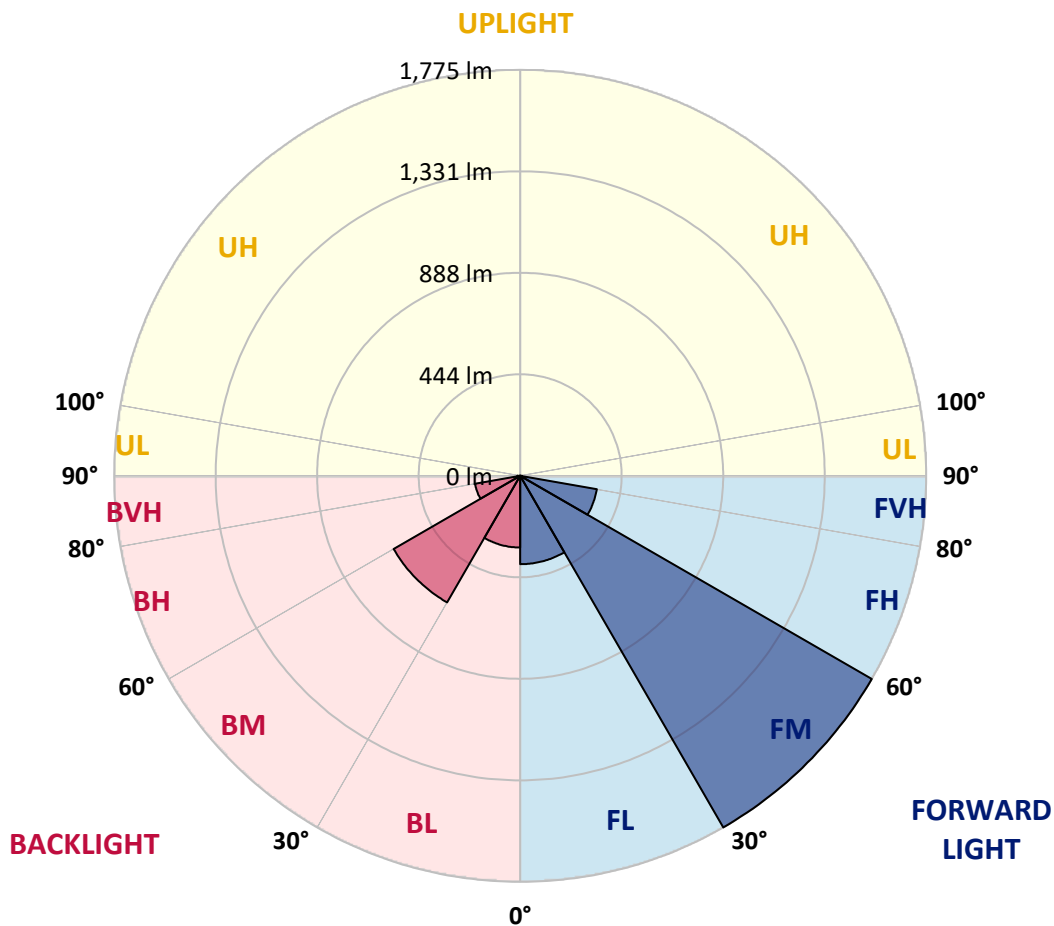
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	386.4	10.5			
FM (30°-60°)	1775.1	48.3			
FH (60°-80°)	340.4	9.3			G0/660
FVH (80°-90°)	8.5	0.2			G0/10
BL (0°-30°)	313.5	8.5	B1/500		
BM (30°-60°)	639.1	17.4	B1/1000		
BH (60°-80°)	200.4	5.5	B1/500		G1/500
BVH (80°-90°)	11.6	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2
2.5°	735.4	734.0	733.0	740.5	737.7	738.2	735.4	738.2	740.1	735.9	741.9
5°	734.0	738.2	734.4	736.8	742.9	741.0	742.9	748.5	747.1	745.7	743.8
7.5°	747.1	747.6	750.4	751.3	753.2	751.3	754.1	759.3	757.9	749.9	750.9
10°	765.8	766.8	767.3	772.4	775.7	776.2	772.9	768.2	767.7	778.5	771.0
12.5°	787.4	785.1	790.7	792.6	796.3	800.5	804.8	794.9	801.0	801.5	792.6
15°	818.8	821.2	814.6	814.6	816.0	816.5	828.2	823.5	822.6	817.4	821.2
17.5°	865.7	849.7	849.3	842.7	841.8	845.5	849.7	853.5	866.1	855.8	835.7
20°	899.9	903.6	890.1	882.1	883.5	891.9	887.7	904.6	913.5	896.6	876.9
22.5°	960.4	947.7	951.0	933.2	934.6	943.5	943.0	960.4	965.5	938.8	910.2
25°	1001.1	997.9	1000.7	986.6	988.5	995.5	1006.8	1035.3	1026.9	997.4	931.3
27.5°	1060.7	1054.1	1051.8	1046.6	1044.7	1063.5	1076.6	1107.1	1101.0	1057.8	968.8
30°	1121.6	1117.4	1119.7	1098.6	1106.1	1146.0	1149.7	1191.4	1188.6	1112.7	1010.5
32.5°	1163.8	1166.1	1170.3	1158.6	1191.9	1223.8	1236.4	1283.8	1286.1	1206.9	1091.1
35°	1231.7	1223.8	1226.1	1239.7	1255.2	1313.3	1333.9	1365.3	1385.0	1305.8	1168.5
37.5°	1274.4	1282.8	1273.0	1294.5	1334.8	1404.7	1423.4	1455.8	1476.4	1403.3	1273.9
40°	1340.9	1327.3	1334.4	1349.8	1391.1	1482.0	1476.9	1510.1	1516.7	1486.2	1372.3
42.5°	1412.6	1406.1	1396.2	1431.4	1466.1	1532.2	1542.5	1527.0	1560.3	1567.3	1512.9
45°	1498.4	1506.4	1507.8	1508.7	1539.2	1596.8	1582.8	1569.2	1607.6	1658.7	1600.1
47.5°	1578.1	1552.8	1571.1	1596.4	1639.5	1640.0	1656.4	1624.0	1664.8	1710.3	1678.9
50°	1604.8	1592.6	1617.0	1664.8	1731.4	1738.4	1740.3	1694.3	1715.4	1751.5	1706.1
52.5°	1594.5	1590.3	1652.6	1726.7	1824.2	1859.8	1869.2	1812.4	1824.2	1807.8	1766.0
55°	1545.3	1557.9	1620.7	1771.7	1921.2	2031.3	2049.1	1977.4	1902.9	1915.6	1869.6
56°	1477.8	1455.8	1526.1	1720.6	1917.0	2087.1	2101.6	2012.1	1961.5	1945.1	1868.7
57.5°	1253.8	1225.2	1317.5	1548.1	1810.6	2066.0	2076.8	2026.6	1951.6	1918.4	1732.3
60°	734.0	748.0	865.2	1067.7	1396.7	1693.9	1730.0	1766.5	1716.4	1567.3	1289.4
62.5°	354.3	345.4	429.3	612.1	851.2	1081.3	1070.5	1173.1	1229.4	1113.6	814.1
65°	185.6	184.7	234.3	334.2	467.8	568.1	577.9	633.2	710.5	573.7	413.4
67.5°	136.4	140.1	165.0	234.8	300.9	307.0	305.6	333.2	340.7	288.2	254.0
70°	106.9	108.7	127.0	178.6	224.0	200.6	196.4	199.7	221.7	231.1	219.8
72.5°	77.3	79.2	94.7	120.5	140.1	136.9	139.7	158.0	185.1	195.0	183.3
75°	51.6	53.0	61.4	73.6	83.0	89.5	94.7	115.8	141.1	146.7	141.1
77.5°	35.6	37.0	42.7	52.0	53.0	57.2	59.1	68.9	84.4	91.4	87.6
80°	20.2	20.2	23.0	26.7	32.8	38.4	39.4	47.3	54.4	59.1	60.0
82.5°	9.4	9.8	12.2	16.4	21.6	26.7	27.7	32.8	38.0	42.7	44.1
85°	4.7	5.2	7.0	9.8	13.1	15.9	15.5	15.9	16.9	15.9	16.4
87.5°	1.4	1.4	1.9	2.3	1.9	2.3	2.3	2.8	3.3	3.7	4.2
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°	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2
2.5°	742.4	743.8	734.4	743.4	740.1	739.6	746.2	745.2	747.6	746.6	741.0
5°	742.9	739.6	749.4	740.5	744.8	753.7	747.6	761.6	754.6	759.3	749.0
7.5°	757.4	758.3	756.5	760.2	758.3	762.6	759.3	762.6	756.9	757.4	766.8
10°	770.1	767.3	770.5	765.8	769.1	767.7	760.2	757.9	759.8	757.4	763.5
12.5°	793.5	788.3	786.0	780.4	776.6	762.6	750.9	744.3	753.2	754.6	751.8
15°	817.4	817.9	807.1	794.4	771.0	749.9	752.7	755.1	755.1	758.8	751.8
17.5°	832.4	832.4	822.6	797.3	773.3	761.2	758.3	750.9	744.3	743.4	742.9
20°	858.7	850.7	828.2	796.8	772.4	766.8	745.7	727.9	714.3	709.6	709.1
22.5°	888.6	868.5	837.1	797.7	771.0	763.0	723.7	697.0	672.6	662.3	663.7
25°	916.3	884.0	842.2	793.5	765.8	727.4	683.4	646.3	621.0	612.6	608.4
27.5°	935.5	900.4	842.2	797.3	746.6	687.6	642.6	595.2	573.2	567.6	568.5
30°	961.3	921.0	856.8	789.3	708.2	636.0	582.1	551.2	538.1	533.4	536.7
32.5°	1021.8	974.9	876.9	770.1	662.7	584.5	540.9	523.5	504.3	494.9	491.7
35°	1087.4	1026.0	896.6	737.7	611.6	537.6	510.4	494.5	471.5	461.2	463.1
37.5°	1180.2	1091.6	898.0	684.3	556.3	511.3	486.5	461.7	442.9	427.0	422.3
40°	1305.3	1181.1	894.7	628.1	511.8	480.4	462.1	431.2	410.1	398.9	401.2
42.5°	1415.5	1286.1	881.1	564.3	471.5	459.3	438.7	408.2	387.6	375.9	375.0
45°	1508.3	1363.4	855.4	509.9	437.8	435.9	412.0	388.5	372.1	361.4	366.1
47.5°	1594.0	1425.8	816.5	455.6	406.8	410.6	387.6	373.1	362.8	352.9	352.5
50°	1625.0	1424.8	782.3	410.6	382.0	380.1	379.2	363.7	352.9	344.5	348.2
52.5°	1676.5	1440.8	745.2	379.6	359.5	360.0	363.2	352.0	339.8	334.6	339.3
55°	1750.6	1443.1	663.7	343.6	340.7	344.0	344.0	336.5	326.2	322.0	319.7
56°	1690.1	1373.3	595.2	334.2	331.4	331.4	340.3	331.8	319.2	315.9	313.1
57.5°	1558.9	1203.1	498.2	322.9	318.7	325.3	330.0	321.1	309.3	304.7	307.5
60°	1075.2	814.1	374.5	298.6	298.6	309.3	313.1	300.0	294.8	294.3	290.6
62.5°	627.6	474.3	292.9	276.5	277.5	286.4	289.2	281.7	275.1	283.1	286.8
65°	332.8	283.1	251.2	253.1	253.6	260.6	272.8	272.3	271.8	274.2	274.7
67.5°	240.9	235.3	228.3	226.4	227.3	232.5	244.7	254.0	253.6	247.9	243.7
70°	214.7	206.7	202.5	202.9	199.2	205.3	215.1	221.2	210.4	203.9	201.1
72.5°	178.6	176.2	173.4	173.9	166.4	165.0	153.7	153.7	150.9	149.0	152.3
75°	136.4	135.5	136.9	134.5	126.5	118.1	111.5	105.5	96.1	92.3	90.5
77.5°	86.2	89.1	92.3	87.2	83.9	77.8	71.2	65.1	57.6	53.4	53.4
80°	58.6	60.9	63.3	62.3	58.6	53.0	47.8	41.2	36.1	32.8	32.3
82.5°	44.5	46.4	49.7	45.9	42.2	37.5	33.3	28.6	23.9	20.2	20.2
85°	15.9	18.3	20.2	22.0	23.4	23.9	20.6	16.9	13.6	10.8	10.3
87.5°	4.2	4.7	5.2	4.7	4.7	4.7	5.2	4.7	4.2	3.3	3.3
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)