

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P635724

Luminaire Tested: GWS-SA3E-735-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635724
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-735-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18164.4 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

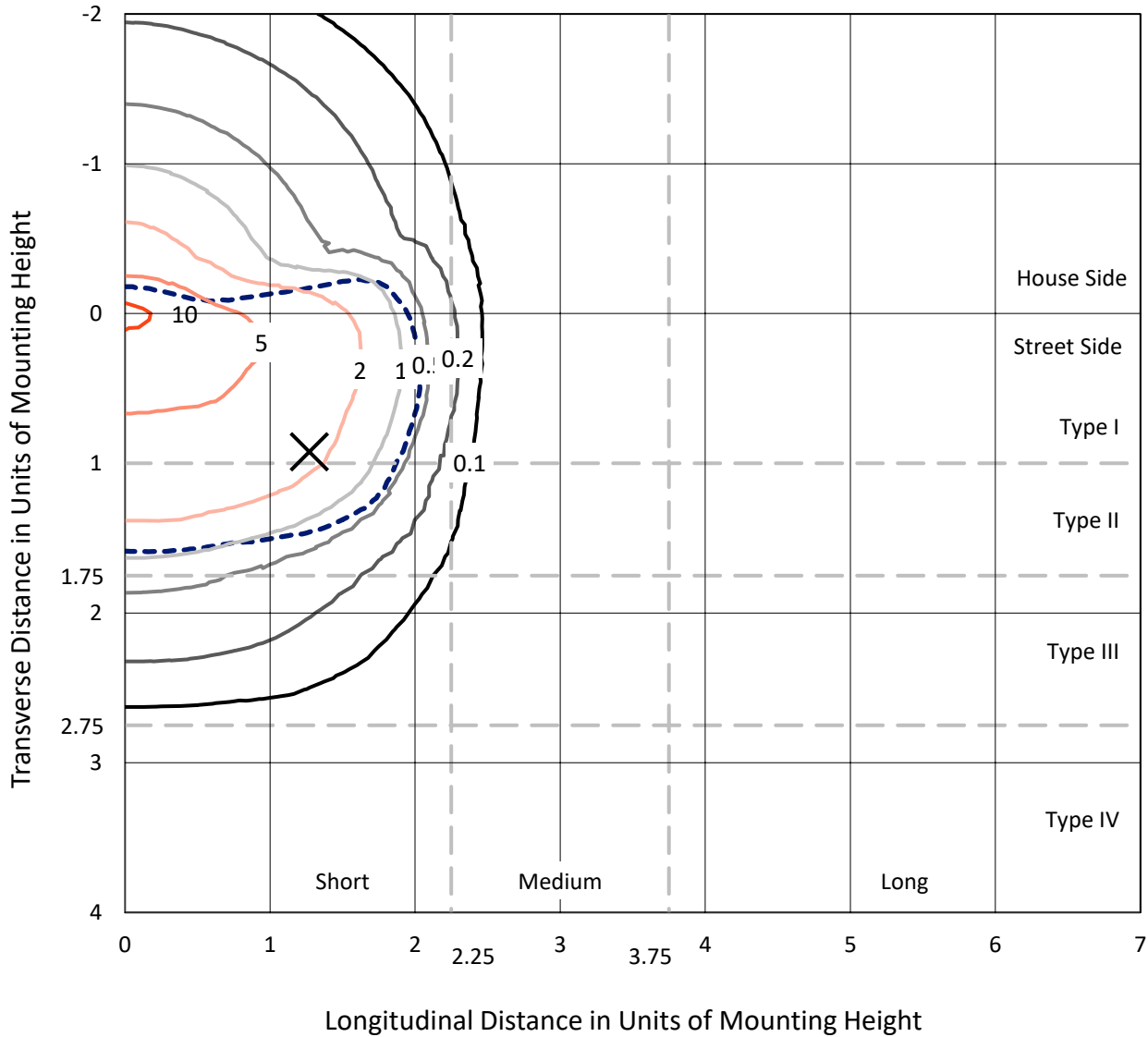
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635724
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

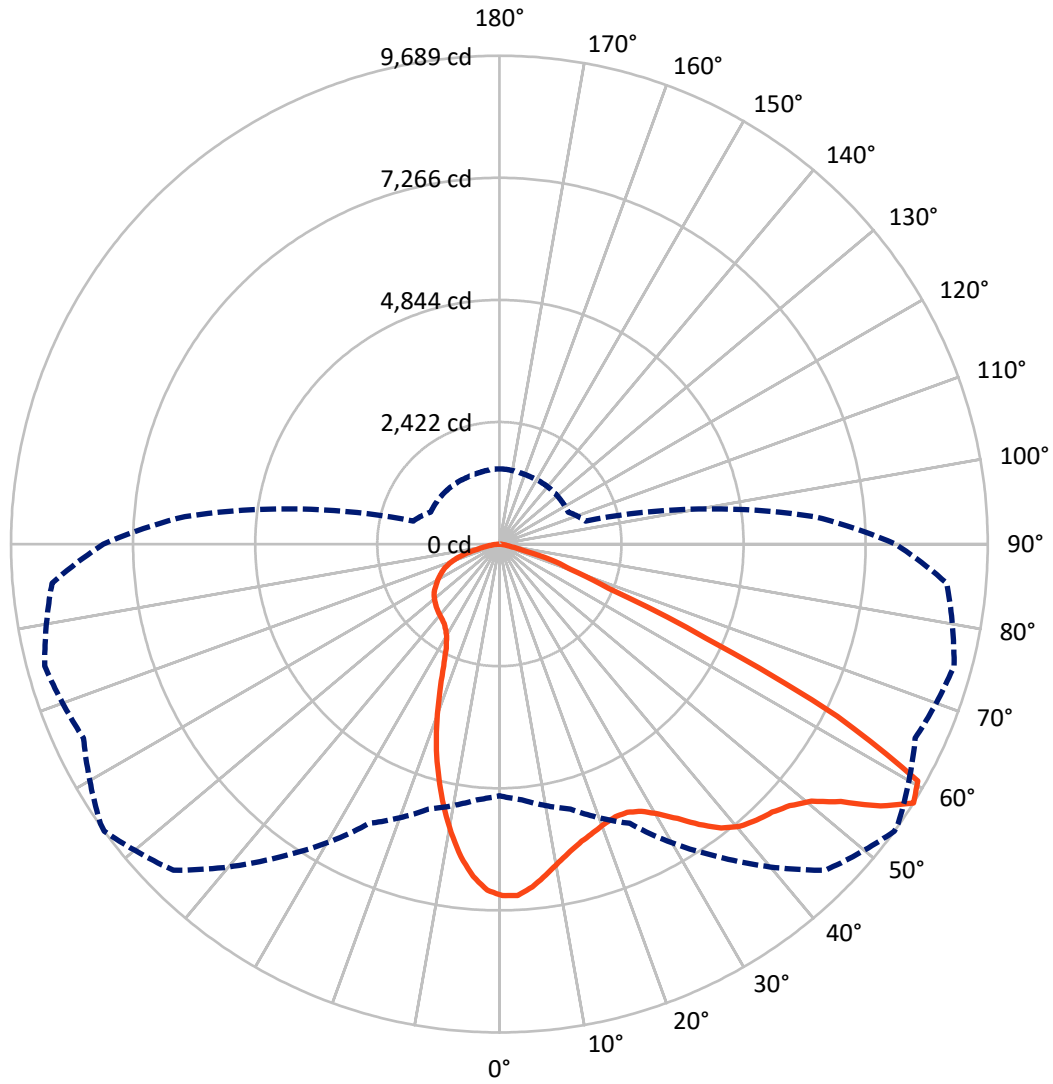


Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
 Type II - Short - N/A

REPORT NUMBER: P635724

CATALOG NUMBER: GWS-SA3E-735-U-SL3-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635724

CATALOG NUMBER: GWS-SA3E-735-U-SL3-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5280.6	0.0	5280.6
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	12883.8	0.0	12883.8
	% Fixture	70.9	0.0	70.9
Total	Lumens	18164.4	0.0	18164.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	613.0	3.4
10°-20°	1462.7	8.1
20°-30°	2024.1	11.1
30°-40°	2812.5	15.5
40°-50°	3714.4	20.4
50°-60°	4414.1	24.3
60°-70°	2445.5	13.5
70°-80°	609.0	3.4
80°-90°	69.2	0.4
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°	18164.4	100.0
0°-180°	18164.4	100.0

Coefficient of Utilization



REPORT NUMBER: P635724

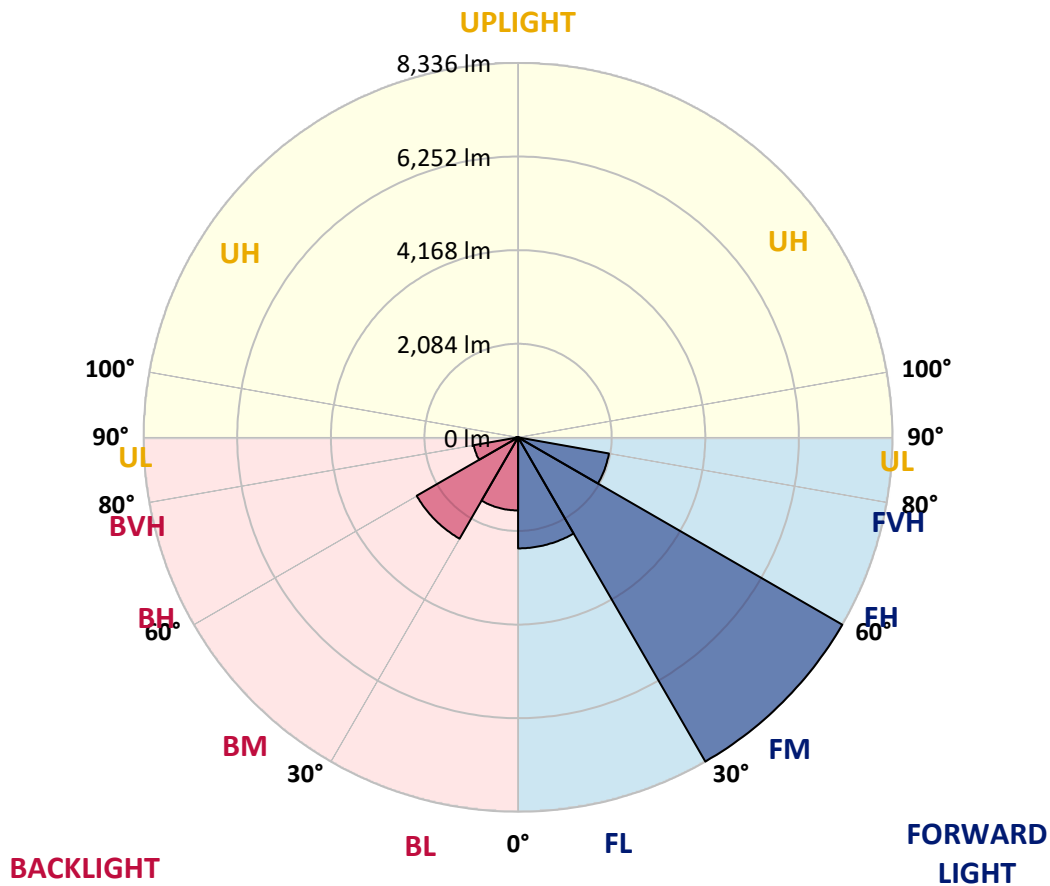
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2472.5	13.6			
FM (30°-60°)	8335.9	45.9			
FH (60°-80°)	2053.7	11.3			G2/5000
FVH (80°-90°)	21.7	0.1			G1/100
BL (0°-30°)	1627.3	9.0	B3/2500		
BM (30°-60°)	2605.1	14.3	B3/5000		
BH (60°-80°)	1000.7	5.5	B3/2500		G3/2500
BVH (80°-90°)	47.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





REPORT NUMBER: P635724

CATALOG NUMBER: GWS-SA3E-735-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	6973.7	6973.7	6973.7	6973.7	6973.7	6973.7	6973.7	6973.7	6973.7	6973.7	6973.7
2.5°	6843.1	6857.1	6866.4	6899.1	6927.1	6952.0	6978.4	6978.4	6976.8	6972.2	6962.8
5°	6572.6	6588.1	6609.9	6655.0	6715.6	6759.1	6830.7	6836.9	6868.0	6880.4	6874.2
7.5°	6258.5	6263.1	6291.1	6350.2	6446.6	6524.4	6627.0	6639.4	6714.1	6757.6	6749.8
10°	5914.8	5899.3	5949.0	6036.1	6162.1	6292.7	6424.8	6435.7	6555.5	6637.9	6631.6
12.5°	5600.7	5602.3	5652.1	5757.8	5914.8	6076.5	6253.8	6278.7	6426.4	6532.1	6521.2
15°	5338.0	5344.2	5404.8	5524.6	5703.4	5896.2	6117.0	6140.3	6326.9	6466.8	6435.7
17.5°	5128.1	5134.3	5187.1	5324.0	5515.2	5748.5	6017.5	6040.8	6272.5	6438.8	6375.1
20°	4983.5	4980.3	5031.7	5162.3	5359.7	5613.2	5930.4	5964.6	6255.4	6449.7	6334.7
22.5°	4924.4	4922.8	4960.1	5067.4	5252.5	5509.0	5877.5	5924.2	6274.0	6497.9	6309.8
25°	4953.9	4947.7	4980.3	5059.6	5207.4	5468.6	5893.1	5942.8	6353.3	6597.4	6314.4
27.5°	5045.6	5037.9	5065.9	5137.4	5249.3	5510.6	6001.9	6059.4	6521.2	6779.4	6376.6
30°	5185.6	5180.9	5208.9	5277.3	5375.3	5650.5	6210.3	6275.6	6780.9	7062.4	6511.9
32.5°	5348.9	5341.1	5390.8	5470.1	5583.6	5905.5	6490.2	6575.7	7088.8	7426.2	6738.9
35°	5532.3	5526.1	5594.5	5709.6	5872.9	6260.0	6829.1	6922.4	7402.9	7838.2	7040.6
37.5°	5711.1	5711.1	5843.3	6014.4	6219.6	6645.6	7147.9	7207.0	7620.6	8203.7	7364.0
40°	5869.7	5879.1	6078.1	6334.7	6595.9	6993.9	7357.8	7407.5	7717.0	8455.5	7645.4
42.5°	6045.5	6053.2	6284.9	6620.8	6931.7	7275.4	7485.3	7510.2	7735.6	8581.5	7844.5
45°	6185.4	6196.3	6483.9	6843.1	7224.1	7486.8	7586.4	7608.1	7762.1	8649.9	7989.1
47.5°	6258.5	6274.0	6603.7	7021.9	7421.5	7676.5	7752.7	7762.1	7870.9	8769.6	8163.2
50°	6246.0	6277.1	6648.8	7110.6	7567.7	7867.8	8020.2	8035.7	8093.3	8945.3	8366.9
52.5°	6356.4	6370.4	6745.2	7216.3	7776.1	8220.8	8485.1	8506.9	8480.4	9077.5	8488.2
55°	6173.0	6239.8	6625.4	7200.7	8093.3	8766.5	9173.9	9163.0	8831.8	9225.2	8690.3
57.5°	4992.8	5090.7	5443.7	6112.3	7570.8	9149.0	9688.6	9662.1	9103.9	9338.7	8909.6
60°	3456.5	3472.1	3790.8	4265.1	5843.3	8082.4	9537.8	9595.3	9153.7	9195.7	8503.7
62.5°	2764.6	2759.9	2789.5	2801.9	3716.2	5681.6	7528.8	7738.7	7605.0	7165.0	6026.8
65°	2360.3	2377.4	2464.5	2419.4	2425.6	3200.0	4498.3	4527.9	4434.6	4276.0	3187.5
67.5°	1847.2	1876.8	2030.7	2206.4	2150.4	2060.2	2333.9	2319.9	1828.6	1415.0	1169.3
70°	1156.8	1175.5	1340.3	1732.2	1872.1	1691.7	1500.5	1494.3	979.6	805.4	883.2
72.5°	674.8	677.9	724.6	965.6	1242.4	1156.8	1104.0	1063.6	629.7	642.2	704.4
75°	371.6	371.6	370.1	416.7	489.8	433.8	419.8	408.9	421.4	477.4	524.0
77.5°	77.7	79.3	84.0	110.4	143.1	174.1	219.2	220.8	275.2	318.8	356.1
80°	35.8	37.3	46.6	59.1	76.2	101.1	133.7	135.3	166.4	200.6	225.5
82.5°	18.7	20.2	24.9	31.1	40.4	52.9	74.6	74.6	99.5	118.2	133.7
85°	6.2	6.2	9.3	12.4	17.1	21.8	29.5	29.5	43.5	57.5	66.9
87.5°	0.0	0.0	0.0	0.0	1.6	3.1	6.2	6.2	7.8	9.3	15.5
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: P635724

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6973.7	6973.7	6973.7	6973.7	6973.7	6973.7	6973.7	6973.7	6973.7	6973.7	6973.7
2.5°	6942.6	6894.4	6896.0	6905.3	6875.8	6830.7	6801.1	6763.8	6740.5	6735.8	6752.9
5°	6843.1	6787.1	6748.3	6707.8	6623.9	6524.4	6446.6	6382.9	6340.9	6325.3	6306.7
7.5°	6706.3	6633.2	6535.2	6421.7	6269.4	6092.1	5967.7	5851.1	5770.2	5746.9	5736.0
10°	6569.5	6463.7	6289.6	6078.1	5824.7	5585.2	5359.7	5187.1	5050.3	4972.6	4997.4
12.5°	6428.0	6297.3	6025.2	5700.3	5347.3	4986.6	4691.1	4405.0	4184.2	4073.8	4041.2
15°	6303.6	6126.3	5746.9	5306.9	4837.3	4383.3	3955.7	3526.5	3246.6	3094.3	3052.3
17.5°	6197.8	5967.7	5453.0	4905.7	4344.4	3697.6	3172.0	2773.9	2582.7	2498.7	2492.5
20°	6093.7	5812.2	5162.3	4473.4	3775.3	3050.7	2581.1	2394.5	2326.1	2296.6	2295.0
22.5°	6000.4	5649.0	4856.0	4041.2	3209.3	2564.0	2305.9	2225.1	2206.4	2206.4	2203.3
25°	5921.1	5485.7	4541.9	3582.5	2697.8	2282.6	2162.9	2128.7	2136.4	2150.4	2152.0
27.5°	5888.4	5358.2	4238.7	3111.4	2344.8	2119.3	2064.9	2060.2	2082.0	2103.8	2106.9
30°	5922.6	5271.1	3927.7	2660.4	2133.3	2019.8	1994.9	2004.3	2030.7	2052.5	2052.5
32.5°	6028.3	5227.6	3610.5	2330.8	2010.5	1949.8	1942.1	1951.4	1971.6	1984.1	1985.6
35°	6207.2	5244.7	3282.4	2108.4	1931.2	1898.5	1897.0	1903.2	1911.0	1918.7	1920.3
37.5°	6432.6	5320.9	2931.0	1979.4	1879.9	1861.2	1858.1	1856.6	1858.1	1858.1	1859.7
40°	6653.4	5435.9	2616.9	1903.2	1844.1	1828.6	1820.8	1809.9	1808.3	1805.2	1803.7
42.5°	6816.7	5524.6	2366.6	1848.8	1811.5	1792.8	1783.5	1766.4	1764.8	1763.3	1761.7
45°	6939.5	5599.2	2158.2	1795.9	1777.3	1760.1	1739.9	1724.4	1727.5	1730.6	1730.6
47.5°	7077.9	5664.5	2005.8	1746.2	1735.3	1718.2	1693.3	1682.4	1693.3	1704.2	1704.2
50°	7245.8	5756.2	1881.4	1696.4	1691.7	1671.5	1649.7	1645.1	1657.5	1673.1	1673.1
52.5°	7368.7	5835.5	1792.8	1646.6	1646.6	1620.2	1601.5	1600.0	1614.0	1629.5	1631.1
55°	7598.8	6020.6	1761.7	1589.1	1582.9	1562.7	1548.7	1537.8	1554.9	1568.9	1568.9
57.5°	7858.5	6266.2	1769.5	1506.7	1498.9	1492.7	1481.8	1469.4	1474.0	1489.6	1491.1
60°	7308.0	5790.4	1684.0	1424.3	1419.6	1416.5	1402.5	1380.8	1387.0	1399.4	1401.0
62.5°	5104.7	3848.4	1362.1	1321.7	1337.2	1335.7	1317.0	1292.1	1293.7	1310.8	1310.8
65°	2649.5	2082.0	1195.7	1228.4	1251.7	1242.4	1211.3	1189.5	1186.4	1208.2	1203.5
67.5°	1142.9	1136.6	1088.4	1130.4	1155.3	1135.1	1102.4	1066.7	1069.8	1077.5	1071.3
70°	920.5	948.5	968.7	1013.8	1034.0	996.7	960.9	940.7	923.6	922.1	911.2
72.5°	735.5	774.3	819.4	866.1	872.3	835.0	789.9	771.2	744.8	743.2	732.4
75°	553.5	586.2	622.0	659.3	659.3	623.5	594.0	584.6	553.5	544.2	534.9
77.5°	377.8	398.1	426.0	435.4	444.7	430.7	401.2	385.6	349.9	340.5	328.1
80°	237.9	251.9	269.0	275.2	284.5	267.4	244.1	227.0	202.1	194.4	188.1
82.5°	143.1	152.4	163.3	166.4	174.1	161.7	139.9	127.5	113.5	107.3	102.6
85°	73.1	77.7	84.0	85.5	84.0	71.5	63.8	57.5	48.2	46.6	43.5
87.5°	18.7	21.8	23.3	21.8	20.2	15.5	10.9	7.8	3.1	3.1	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)