

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: P531262

Luminaire Tested: **GALN-SA6C-735-U-T3R-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531262
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-12)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-735-U-T3R-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33902 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

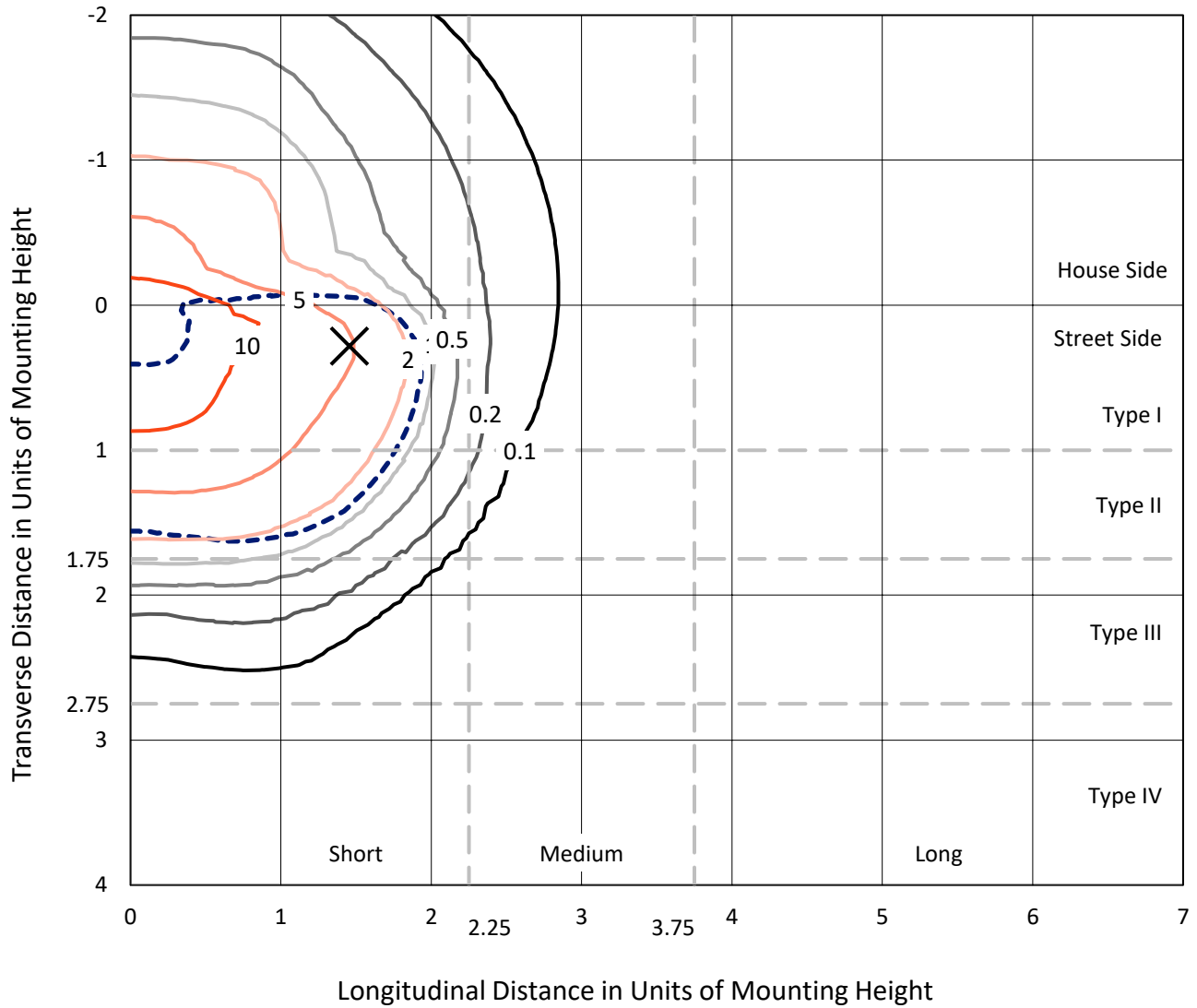
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531262
 CATALOG NUMBER: GALN-SA6C-735-U-T3R-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

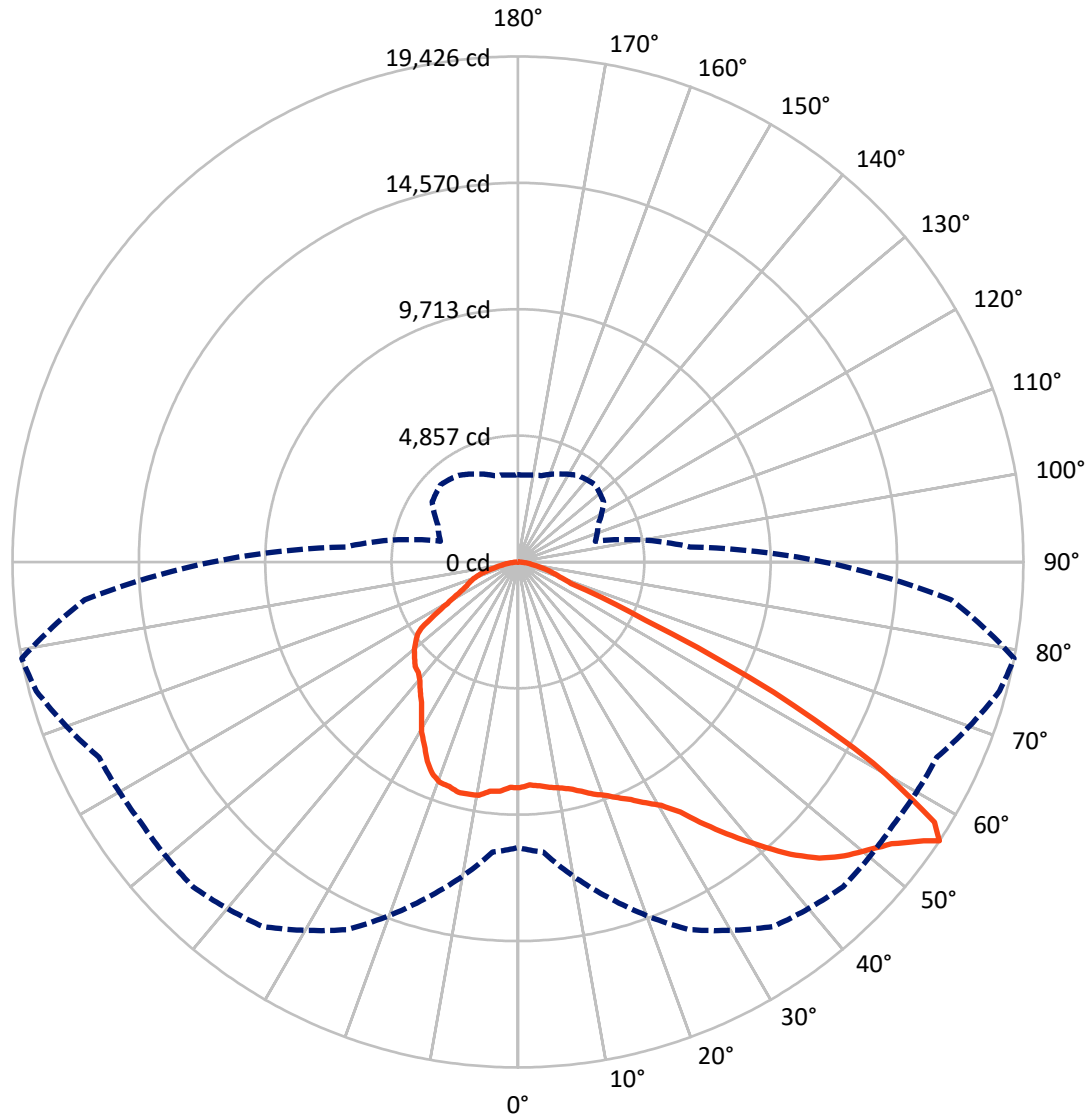
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.9 fc
 Type II - Short - N/A

REPORT NUMBER: P531262
CATALOG NUMBER: GALN-SA6C-735-U-T3R-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P531262
 CATALOG NUMBER: GALN-SA6C-735-U-T3R-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10012.0	0.0	10012.0
	% Fixture	29.5	0.0	29.5
Street Side	Lumens	23890.0	0.0	23890.0
	% Fixture	70.5	0.0	70.5
Total	Lumens	33902.0	0.0	33902.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	788.6	2.3
10°-20°	2158.3	6.4
20°-30°	3692.5	10.9
30°-40°	5659.1	16.7
40°-50°	7648.3	22.6
50°-60°	8784.3	25.9
60°-70°	4004.2	11.8
70°-80°	987.2	2.9
80°-90°	179.4	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°	33902.0	100.0
0°-180°	33902.0	100.0



REPORT NUMBER: P531262

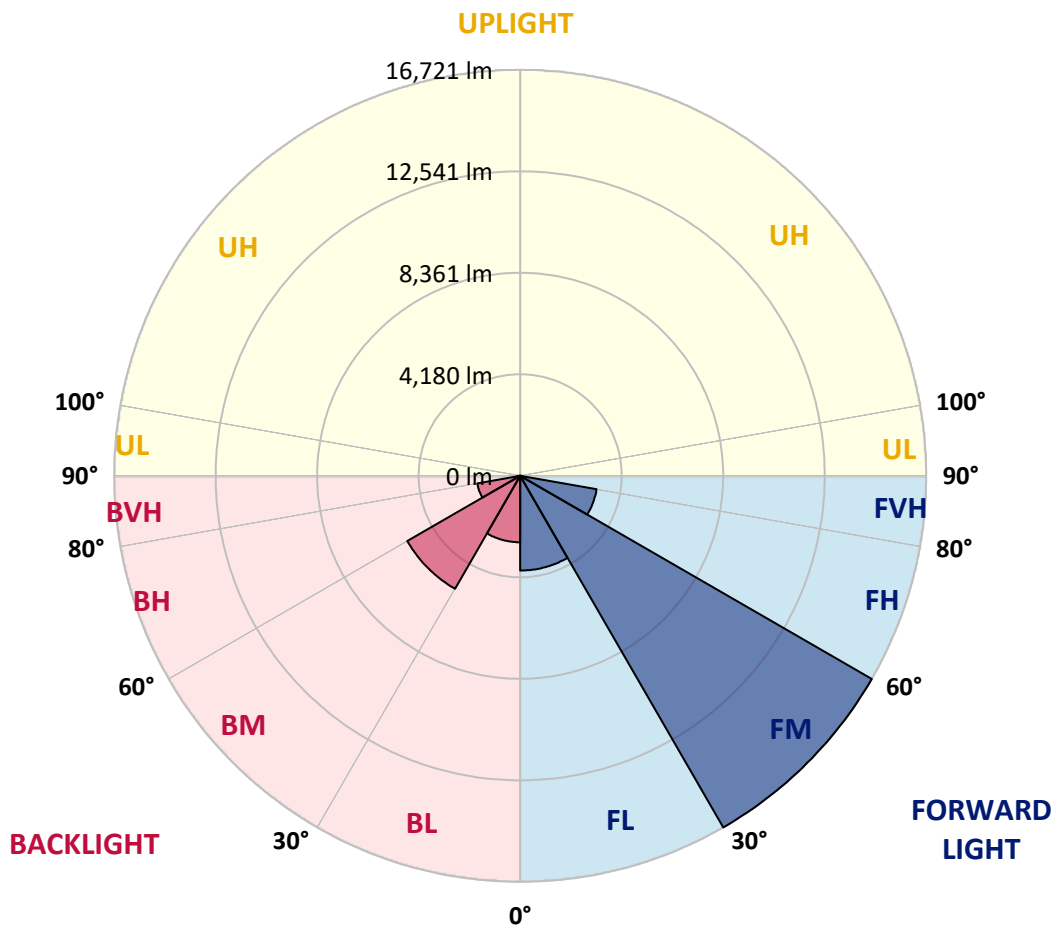
CATALOG NUMBER: GALN-SA6C-735-U-T3R-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3900.7	11.5			
FM (30°-60°)	16721.5	49.3			
FH (60°-80°)	3196.2	9.4			G2/5000
FVH (80°-90°)	71.6	0.2			G1/100
BL (0°-30°)	2738.7	8.1	B4/5000		
BM (30°-60°)	5370.3	15.8	B4/8500		
BH (60°-80°)	1795.2	5.3	B3/2500		G3/2500
BVH (80°-90°)	107.8	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short





REPORT NUMBER: P531262

CATALOG NUMBER: GALN-SA6C-735-U-T3R-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	8674.2	8674.2	8674.2	8674.2	8674.2	8674.2	8674.2	8674.2	8674.2	8674.2	8674.2
2.5°	8251.9	8230.8	8281.4	8319.4	8365.9	8425.0	8454.6	8471.5	8619.3	8581.3	8695.3
5°	8074.5	8019.6	8057.6	8087.2	8167.4	8239.2	8319.4	8446.1	8581.3	8640.4	8779.8
7.5°	7918.3	7888.7	7880.2	7901.4	8011.2	8104.1	8243.4	8429.2	8648.8	8746.0	8826.2
10°	7660.6	7618.4	7681.8	7821.1	7850.7	8044.9	8205.4	8471.5	8661.5	8830.4	9066.9
12.5°	7546.6	7504.4	7517.1	7597.3	7804.2	7990.0	8180.1	8479.9	8881.1	8948.7	9265.4
15°	7728.2	7686.0	7698.7	7677.5	7876.0	7973.2	8273.0	8648.8	9033.1	9147.2	9485.0
17.5°	8142.1	8146.3	8091.4	8044.9	7998.5	8205.4	8412.3	8750.2	9092.3	9379.4	9632.8
20°	8931.8	8792.4	8682.6	8420.8	8349.0	8437.7	8699.5	9024.7	9333.0	9569.5	9856.6
22.5°	9539.9	9552.6	9396.3	8965.6	8809.3	8847.3	9071.1	9337.2	9675.0	9844.0	10173.4
25°	10422.5	10333.8	10164.9	9822.9	9472.3	9501.9	9666.6	9907.3	10000.2	10118.5	10477.4
27.5°	11229.1	11254.5	10920.9	10599.9	10164.9	10080.5	10376.1	10418.3	10262.1	10485.9	10608.3
30°	12048.4	12027.3	11807.7	11431.8	11005.3	11022.2	11153.1	10946.2	10730.8	10853.3	10937.7
32.5°	12897.2	12656.5	12648.1	12310.2	11985.1	11828.8	11668.3	11769.7	11436.1	11461.4	11381.2
35°	13577.2	13610.9	13416.7	13176.0	13015.5	12741.0	12301.8	12483.4	12420.0	12390.5	12044.2
37.5°	14071.3	13940.3	14037.5	13957.2	13805.2	13463.1	13007.0	13180.2	13209.8	13353.3	12952.1
40°	14476.7	14421.8	14679.4	14721.6	14616.0	13877.0	13057.7	13572.9	14016.4	14328.9	13851.7
42.5°	14670.9	14789.2	15059.5	15384.6	15148.1	14358.4	13319.6	13872.8	14861.0	15355.1	14704.7
45°	14932.8	14780.7	15181.9	15777.4	15781.6	14763.8	13572.9	14278.2	15519.8	16237.7	15287.5
47.5°	14666.7	14742.7	15156.6	15912.5	16106.8	15190.4	14257.1	14852.5	16246.1	16883.8	15828.1
50°	14071.3	14223.3	14979.2	15764.7	16351.7	15642.2	15042.6	15473.3	16917.6	17403.3	15916.7
52.5°	13450.5	13534.9	14717.4	15878.7	16461.5	16225.0	16094.1	16330.6	17736.9	17990.3	16026.5
55°	11761.2	12162.4	13851.7	15828.1	16997.8	17276.6	17175.2	17521.5	18666.0	18919.3	16626.2
56°	10980.0	11191.1	13332.2	15591.6	17103.4	17660.9	17610.2	17766.4	19160.1	19426.1	16719.1
57.5°	9535.7	9552.6	11368.5	14544.2	16706.5	17774.9	17724.2	17846.7	19062.9	18881.3	15904.1
60°	5967.2	6229.0	7736.7	11186.9	14206.4	16491.1	16778.2	15794.3	16073.0	15688.7	12373.6
62.5°	3091.3	3053.3	4054.1	6541.5	9430.1	11807.7	12073.7	12027.3	11596.5	11034.9	8082.9
65°	1541.4	1549.9	2120.0	3239.1	4831.2	6182.6	6925.8	7006.1	5861.6	5392.9	3834.5
67.5°	1119.1	1161.3	1524.5	1980.6	2276.2	2546.5	3120.8	3061.7	2318.5	2204.4	2044.0
70°	870.0	908.0	1237.4	1511.9	1372.5	1372.5	1495.0	1545.6	1651.2	1697.7	1752.6
72.5°	633.5	663.0	946.0	1043.1	899.5	967.1	1119.1	1237.4	1347.2	1364.1	1427.4
75°	435.0	460.3	620.8	574.3	540.6	667.2	819.3	929.1	1009.3	1051.5	1089.6
77.5°	282.9	291.4	354.7	299.8	346.3	430.8	532.1	625.0	705.3	739.0	747.5
80°	126.7	139.4	152.0	190.0	240.7	308.3	380.1	456.1	506.8	519.4	544.8
82.5°	71.8	71.8	92.9	135.1	177.4	223.8	274.5	329.4	388.5	401.2	397.0
85°	38.0	38.0	54.9	80.2	109.8	130.9	126.7	130.9	139.4	160.5	156.3
87.5°	12.7	12.7	16.9	16.9	21.1	25.3	21.1	29.6	38.0	38.0	38.0
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: P531262

CATALOG NUMBER: GALN-SA6C-735-U-T3R-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8674.2	8674.2	8674.2	8674.2	8674.2	8674.2	8674.2	8674.2	8674.2	8674.2	8674.2
2.5°	8661.5	8699.5	8648.8	8758.6	8758.6	8737.5	8631.9	8665.7	8691.1	8691.1	8712.2
5°	8826.2	8813.5	8847.3	8716.4	8636.2	8606.6	8433.5	8349.0	8277.2	8273.0	8209.6
7.5°	8919.1	8885.3	8872.7	8775.5	8420.8	8205.4	7833.8	7618.4	7572.0	7407.3	7470.6
10°	9066.9	9130.3	9066.9	8539.0	8044.9	7550.8	7187.7	6854.0	6723.1	6617.5	6554.2
12.5°	9371.0	9341.4	8974.0	8260.3	7567.7	6980.7	6440.2	6089.7	5958.7	5865.8	5857.4
15°	9628.6	9480.8	8919.1	7821.1	6824.5	6199.5	5756.0	5506.9	5447.8	5456.2	5494.2
17.5°	9717.3	9615.9	8631.9	7365.0	6271.3	5536.4	5329.5	5291.5	5346.4	5409.7	5426.6
20°	9856.6	9696.2	8513.7	6744.2	5587.1	5122.6	5109.9	5245.0	5346.4	5439.3	5452.0
22.5°	10148.0	9742.6	8129.4	6157.2	5118.4	5000.1	5122.6	5236.6	5392.9	5468.9	5401.3
25°	10232.5	9641.3	7588.9	5452.0	4822.7	4924.1	5055.0	5211.3	5321.1	5363.3	5392.9
27.5°	10304.3	9485.0	6858.3	4983.2	4729.8	4919.9	5055.0	5185.9	5245.0	5283.1	5316.8
30°	10507.0	9438.6	6224.8	4670.7	4670.7	4835.4	5008.6	5042.3	5122.6	5169.0	5228.2
32.5°	10608.3	9117.6	5574.4	4472.2	4611.6	4877.6	4890.3	4953.7	4957.9	4995.9	4932.5
35°	10874.4	8889.6	4970.5	4328.6	4636.9	4835.4	4898.8	4860.7	4653.8	4552.5	4573.6
37.5°	11068.7	8775.5	4535.6	4311.8	4641.2	4881.9	4915.6	4628.5	4413.1	4244.2	4286.4
40°	11592.3	8492.6	4206.2	4282.2	4679.2	4932.5	4839.6	4527.1	4138.6	3965.5	3935.9
42.5°	11993.5	8289.9	3999.2	4248.4	4708.7	5004.3	4801.6	4324.4	3927.5	3767.0	3809.2
45°	12458.0	8243.4	3889.4	4256.9	4759.4	5042.3	4755.2	4168.2	3745.9	3682.5	3669.8
47.5°	12622.7	7909.8	3771.2	4185.1	4746.7	5029.7	4598.9	4049.9	3678.3	3686.7	3720.5
50°	12348.2	7567.7	3682.5	4037.3	4662.3	4915.6	4354.0	3893.7	3640.3	3745.9	3805.0
52.5°	11997.7	7217.2	3500.9	3838.8	4489.1	4738.3	4240.0	3885.2	3602.3	3568.5	3581.2
55°	12103.3	6930.1	3247.5	3568.5	4210.4	4408.9	4113.3	3805.0	3509.4	3382.7	3424.9
56°	11761.2	6634.4	3082.8	3399.6	4020.4	4197.7	4049.9	3733.2	3433.4	3348.9	3348.9
57.5°	10794.2	5642.0	2867.5	3129.3	3619.2	3830.3	3927.5	3691.0	3348.9	3201.1	3205.3
60°	7960.5	4011.9	2571.8	2757.7	2998.4	3167.3	3619.2	3572.7	3137.7	3036.4	2998.4
62.5°	4907.2	2930.8	2360.7	2432.5	2555.0	2694.3	3158.9	3234.9	2913.9	2804.1	2778.8
65°	2749.2	2242.4	2200.2	2229.8	2288.9	2360.7	2622.5	2791.4	2571.8	2402.9	2394.5
67.5°	2010.2	2006.0	2039.7	2065.1	2090.4	2090.4	2153.8	2221.3	2191.8	2056.6	2044.0
70°	1786.4	1799.0	1824.4	1828.6	1837.0	1807.5	1756.8	1735.7	1769.5	1685.0	1668.1
72.5°	1473.9	1516.1	1545.6	1549.9	1503.4	1465.4	1397.8	1326.0	1300.7	1283.8	1279.6
75°	1131.8	1161.3	1174.0	1169.8	1152.9	1098.0	1017.8	946.0	899.5	848.8	874.2
77.5°	764.4	806.6	827.7	827.7	802.4	717.9	679.9	625.0	578.6	523.7	532.1
80°	536.3	565.9	599.7	595.5	553.2	511.0	456.1	405.4	367.4	325.2	321.0
82.5°	401.2	418.1	435.0	426.5	397.0	354.7	316.7	270.3	228.0	198.5	198.5
85°	143.6	156.3	190.0	198.5	215.4	215.4	181.6	152.0	122.5	101.4	101.4
87.5°	42.2	42.2	46.5	46.5	42.2	46.5	38.0	42.2	46.5	29.6	29.6
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)