

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: P530792

Luminaire Tested: **GALN-SA6A-735-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530792
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-SA6A-735-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21538 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

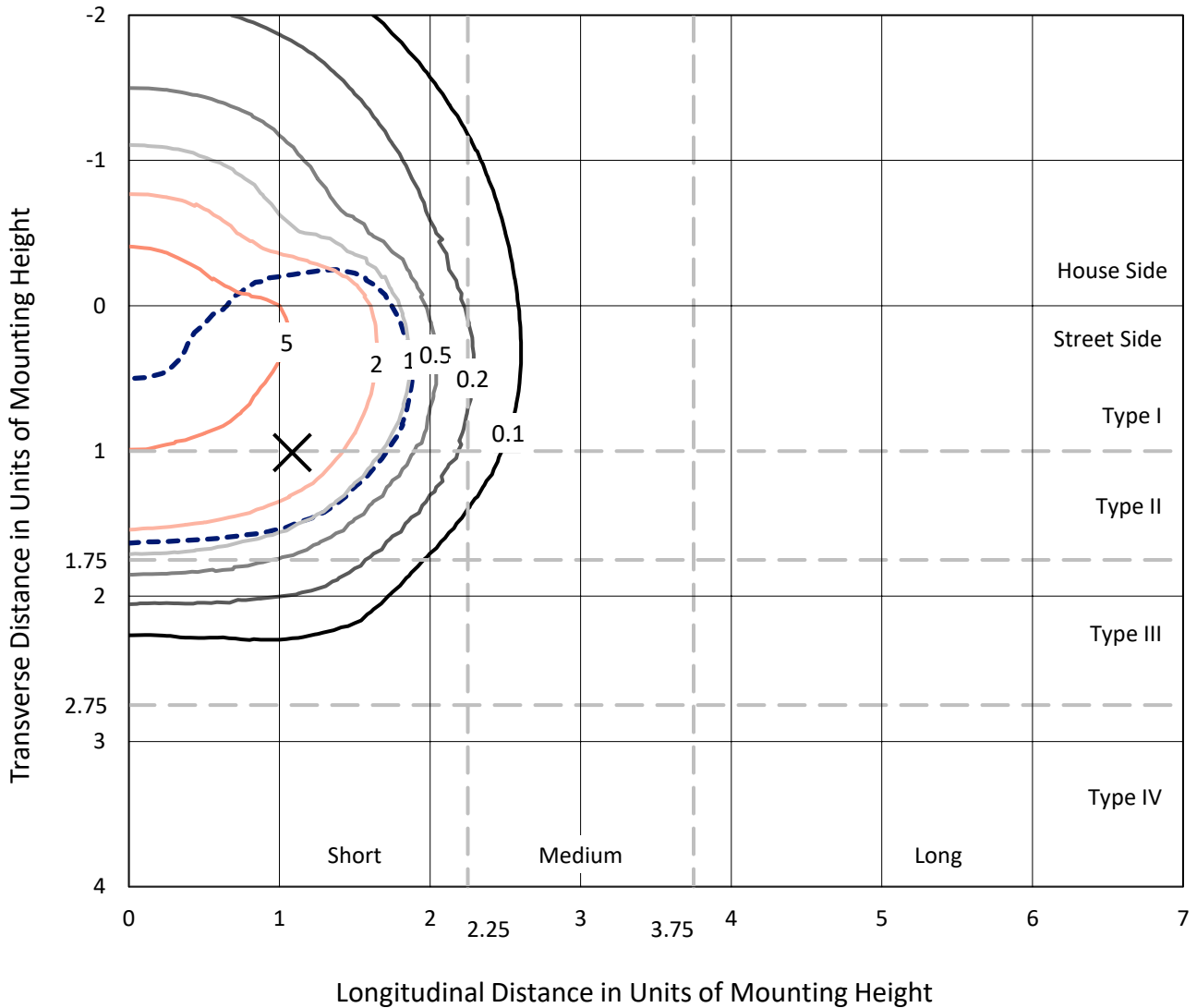
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530792
 CATALOG NUMBER: GALN-SA6A-735-U-T3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

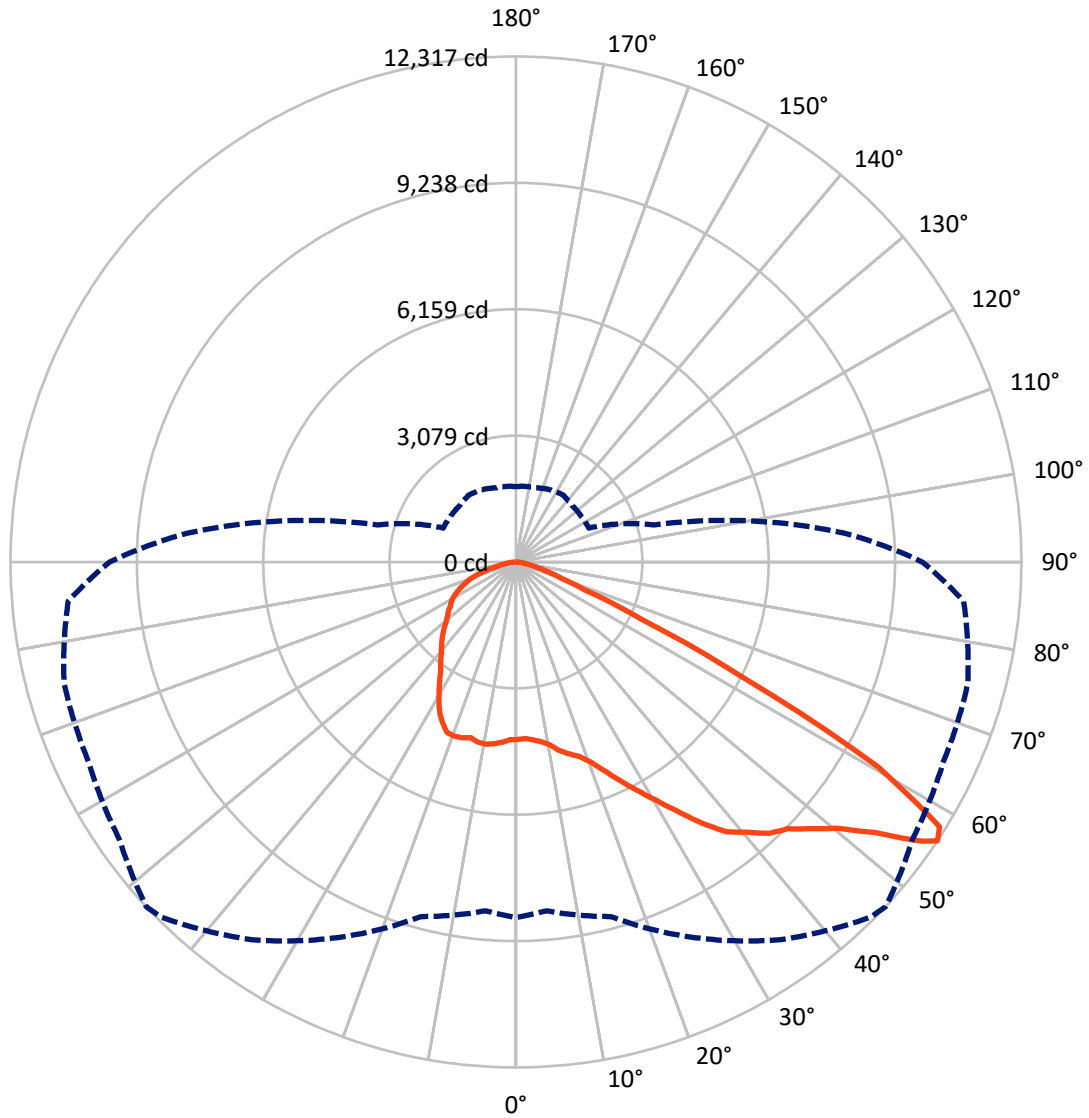
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type II - Short - N/A

REPORT NUMBER: P530792
CATALOG NUMBER: GALN-SA6A-735-U-T3-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P530792
 CATALOG NUMBER: GALN-SA6A-735-U-T3-GRSWH

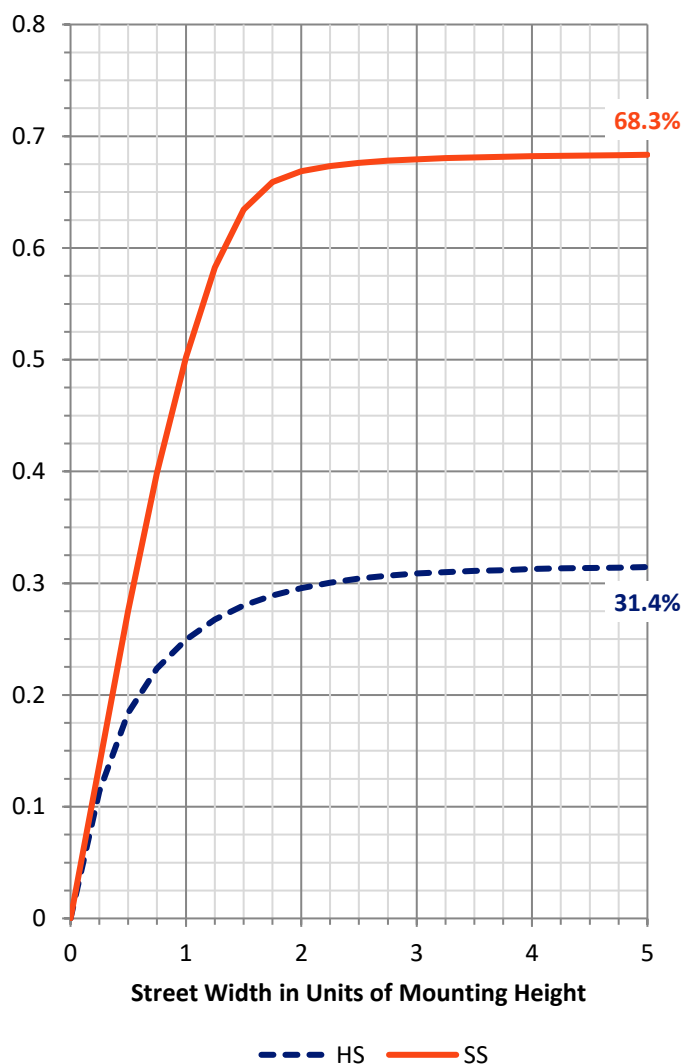
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6825.1	0.0	6825.1
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	14712.9	0.0	14712.9
	% Fixture	68.3	0.0	68.3
Total	Lumens	21538.0	0.0	21538.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.5	2.0
10°-20°	1329.8	6.2
20°-30°	2350.7	10.9
30°-40°	3530.6	16.4
40°-50°	4845.5	22.5
50°-60°	5772.7	26.8
60°-70°	2470.4	11.5
70°-80°	699.1	3.2
80°-90°	117.7	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°	21538.0	100.0
0°-180°	21538.0	100.0

Coefficient of Utilization



REPORT NUMBER: P530792

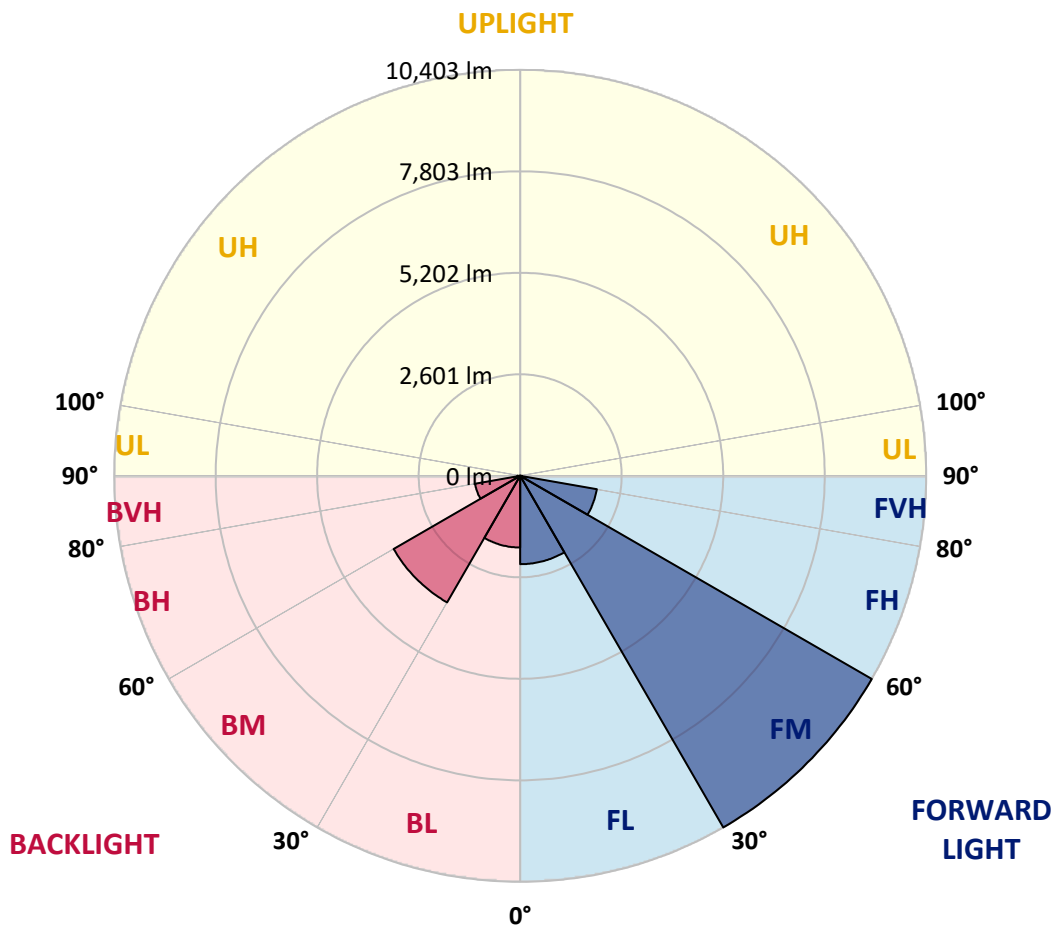
CATALOG NUMBER: GALN-SA6A-735-U-T3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2264.4	10.5			
FM (30°-60°)	10403.4	48.3			
FH (60°-80°)	1995.2	9.3			G2/5000
FVH (80°-90°)	49.9	0.2			G1/100
BL (0°-30°)	1837.6	8.5	B3/2500		
BM (30°-60°)	3745.5	17.4	B3/5000		
BH (60°-80°)	1174.3	5.5	B3/2500		G3/2500
BVH (80°-90°)	67.7	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: P530792

CATALOG NUMBER: GALN-SA6A-735-U-T3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	4326.3	4326.3	4326.3	4326.3	4326.3	4326.3	4326.3	4326.3	4326.3	4326.3	4326.3
2.5°	4309.8	4301.6	4296.1	4340.1	4323.6	4326.3	4309.8	4326.3	4337.3	4312.6	4348.3
5°	4301.6	4326.3	4304.4	4318.1	4353.8	4342.8	4353.8	4386.8	4378.5	4370.3	4359.3
7.5°	4378.5	4381.3	4397.7	4403.2	4414.2	4403.2	4419.7	4449.9	4441.7	4395.0	4400.5
10°	4488.4	4493.9	4496.6	4526.9	4546.1	4548.8	4529.6	4502.1	4499.4	4562.6	4518.6
12.5°	4614.8	4601.0	4634.0	4645.0	4666.9	4691.7	4716.4	4658.7	4694.4	4697.2	4645.0
15°	4798.8	4812.5	4774.1	4774.1	4782.3	4785.1	4853.7	4826.3	4820.8	4790.6	4812.5
17.5°	5073.5	4980.1	4977.3	4938.9	4933.4	4955.4	4980.1	5002.1	5076.2	5015.8	4897.7
20°	5274.0	5296.0	5216.3	5169.6	5177.9	5227.3	5202.6	5301.5	5353.7	5254.8	5139.4
22.5°	5628.3	5554.2	5573.4	5469.0	5477.3	5529.5	5526.7	5628.3	5658.6	5502.0	5334.4
25°	5867.3	5848.1	5864.6	5782.2	5793.2	5834.4	5900.3	6067.8	6018.4	5845.4	5458.0
27.5°	6216.2	6177.7	6164.0	6133.8	6122.8	6232.7	6309.6	6488.1	6452.4	6199.7	5677.8
30°	6573.3	6548.6	6562.3	6438.7	6482.6	6716.1	6738.1	6982.6	6966.1	6521.1	5922.3
32.5°	6820.5	6834.2	6858.9	6790.3	6985.3	7172.1	7246.3	7523.7	7537.4	7073.2	6394.7
35°	7218.8	7172.1	7185.8	7265.5	7356.1	7696.7	7817.6	8001.7	8117.0	7652.8	6848.0
37.5°	7468.8	7518.2	7460.5	7586.9	7823.1	8232.4	8342.3	8531.8	8652.7	8224.1	7466.0
40°	7858.8	7779.2	7820.4	7911.0	8152.7	8685.6	8655.4	8850.4	8888.9	8710.3	8042.9
42.5°	8279.1	8240.6	8182.9	8389.0	8592.2	8979.5	9040.0	8949.3	9144.4	9185.6	8866.9
45°	8781.8	8828.5	8836.7	8842.2	9020.7	9358.6	9276.2	9196.5	9421.8	9721.2	9377.8
47.5°	9248.7	9100.4	9207.5	9355.9	9608.6	9611.3	9707.5	9517.9	9756.9	10023.4	9839.3
50°	9405.3	9333.9	9476.7	9756.9	10147.0	10188.2	10199.2	9930.0	10053.6	10265.1	9998.6
52.5°	9344.9	9320.2	9685.5	10119.5	10690.8	10899.6	10954.5	10622.2	10690.8	10594.7	10350.2
55°	9056.5	9130.6	9498.7	10383.2	11259.4	11905.0	12009.3	11589.1	11152.3	11226.5	10957.3
56°	8660.9	8531.8	8943.8	10083.8	11234.7	12231.8	12317.0	11792.3	11495.7	11399.5	10951.8
57.5°	7347.9	7180.3	7721.5	9072.9	10611.2	12108.2	12171.4	11877.5	11438.0	11243.0	10152.5
60°	4301.6	4384.0	5070.7	6257.4	8185.7	9927.2	10138.7	10353.0	10059.1	9185.6	7556.7
62.5°	2076.6	2024.4	2516.1	3587.4	4988.3	6337.0	6273.9	6875.4	7205.1	6526.6	4771.3
65°	1087.8	1082.3	1373.4	1958.5	2741.4	3329.2	3386.9	3711.0	4164.3	3362.2	2422.7
67.5°	799.3	821.3	966.9	1376.2	1763.5	1799.2	1791.0	1953.0	1997.0	1689.3	1488.8
70°	626.3	637.3	744.4	1046.6	1313.0	1175.7	1150.9	1170.2	1299.3	1354.2	1288.3
72.5°	453.2	464.2	554.9	705.9	821.3	802.1	818.6	925.7	1085.0	1142.7	1074.0
75°	302.2	310.4	359.8	431.3	486.2	524.7	554.9	678.5	826.8	859.8	826.8
77.5°	208.8	217.0	250.0	304.9	310.4	335.1	346.1	403.8	494.4	535.6	513.7
80°	118.1	118.1	134.6	156.6	192.3	225.2	230.7	277.4	318.6	346.1	351.6
82.5°	54.9	57.7	71.4	96.1	126.4	156.6	162.1	192.3	222.5	250.0	258.2
85°	27.5	30.2	41.2	57.7	76.9	93.4	90.6	93.4	98.9	93.4	96.1
87.5°	8.2	8.2	11.0	13.7	11.0	13.7	13.7	16.5	19.2	22.0	24.7
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: P530792

CATALOG NUMBER: GALN-SA6A-735-U-T3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4326.3	4326.3	4326.3	4326.3	4326.3	4326.3	4326.3	4326.3	4326.3	4326.3	4326.3
2.5°	4351.1	4359.3	4304.4	4356.5	4337.3	4334.6	4373.0	4367.5	4381.3	4375.8	4342.8
5°	4353.8	4334.6	4392.3	4340.1	4364.8	4417.0	4381.3	4463.7	4422.5	4449.9	4389.5
7.5°	4439.0	4444.4	4433.5	4455.4	4444.4	4469.2	4449.9	4469.2	4436.2	4439.0	4493.9
10°	4513.1	4496.6	4515.9	4488.4	4507.6	4499.4	4455.4	4441.7	4452.7	4439.0	4474.7
12.5°	4650.5	4620.2	4606.5	4573.5	4551.6	4469.2	4400.5	4362.0	4414.2	4422.5	4406.0
15°	4790.6	4793.3	4730.1	4656.0	4518.6	4395.0	4411.5	4425.2	4425.2	4447.2	4406.0
17.5°	4878.5	4878.5	4820.8	4672.4	4532.3	4460.9	4444.4	4400.5	4362.0	4356.5	4353.8
20°	5032.3	4985.6	4853.7	4669.7	4526.9	4493.9	4370.3	4265.9	4186.2	4158.8	4156.0
22.5°	5208.1	5090.0	4905.9	4675.2	4518.6	4471.9	4241.2	4084.6	3941.8	3881.3	3889.6
25°	5370.1	5180.6	4936.1	4650.5	4488.4	4263.2	4004.9	3787.9	3639.6	3590.2	3565.4
27.5°	5482.8	5276.7	4936.1	4672.4	4375.8	4029.7	3766.0	3488.5	3359.4	3326.5	3332.0
30°	5633.8	5397.6	5021.3	4625.7	4150.5	3727.5	3411.6	3230.3	3153.4	3125.9	3145.2
32.5°	5988.2	5713.5	5139.4	4513.1	3884.1	3425.4	3169.9	3068.3	2955.6	2900.7	2881.5
35°	6372.8	6012.9	5254.8	4323.6	3584.7	3150.7	2991.3	2898.0	2763.4	2702.9	2713.9
37.5°	6916.6	6397.5	5263.0	4010.4	3260.5	2996.8	2851.3	2705.7	2595.8	2502.4	2474.9
40°	7650.0	6922.1	5243.8	3680.8	2999.6	2815.5	2708.4	2527.1	2403.5	2337.6	2351.3
42.5°	8295.6	7537.4	5164.1	3307.2	2763.4	2691.9	2571.1	2392.5	2271.7	2203.0	2197.5
45°	8839.4	7990.7	5013.0	2988.6	2565.6	2554.6	2414.5	2277.2	2181.0	2117.8	2145.3
47.5°	9342.1	8356.0	4785.1	2670.0	2384.3	2406.3	2271.7	2186.5	2126.1	2068.4	2065.7
50°	9523.4	8350.5	4584.5	2406.3	2238.7	2227.7	2222.2	2131.6	2068.4	2019.0	2040.9
52.5°	9825.6	8443.9	4367.5	2225.0	2106.9	2109.6	2128.8	2062.9	1991.5	1961.3	1988.7
55°	10259.6	8457.6	3889.6	2013.5	1997.0	2016.2	2016.2	1972.3	1911.8	1887.1	1873.4
56°	9905.2	8048.3	3488.5	1958.5	1942.0	1942.0	1994.2	1944.8	1870.6	1851.4	1834.9
57.5°	9136.1	7051.2	2919.9	1892.6	1867.9	1906.3	1933.8	1881.6	1812.9	1785.5	1802.0
60°	6301.3	4771.3	2194.8	1749.8	1749.8	1812.9	1834.9	1758.0	1727.8	1725.0	1703.1
62.5°	3678.1	2779.8	1716.8	1620.7	1626.2	1678.3	1694.8	1650.9	1612.4	1659.1	1681.1
65°	1950.3	1659.1	1472.3	1483.3	1486.1	1527.3	1598.7	1595.9	1593.2	1606.9	1609.7
67.5°	1411.9	1378.9	1337.7	1326.7	1332.2	1362.5	1433.9	1488.8	1486.1	1453.1	1428.4
70°	1258.1	1211.4	1186.7	1189.4	1167.4	1203.1	1260.8	1296.5	1233.3	1194.9	1178.4
72.5°	1046.6	1032.8	1016.3	1019.1	975.1	966.9	901.0	901.0	884.5	873.5	892.7
75°	799.3	793.8	802.1	788.4	741.7	692.2	653.8	618.0	563.1	541.1	530.1
77.5°	505.4	521.9	541.1	510.9	491.7	456.0	417.5	381.8	337.9	313.1	313.1
80°	343.4	357.1	370.8	365.3	343.4	310.4	280.2	241.7	211.5	192.3	189.5
82.5°	261.0	271.9	291.2	269.2	247.2	219.8	195.0	167.6	140.1	118.1	118.1
85°	93.4	107.1	118.1	129.1	137.3	140.1	120.9	98.9	79.7	63.2	60.4
87.5°	24.7	27.5	30.2	27.5	27.5	27.5	30.2	27.5	24.7	19.2	19.2
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)