

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: P652467

Luminaire Tested: **GALN-SA6B-840-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652467
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-SA6B-840-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 800mA 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: 24193.9 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

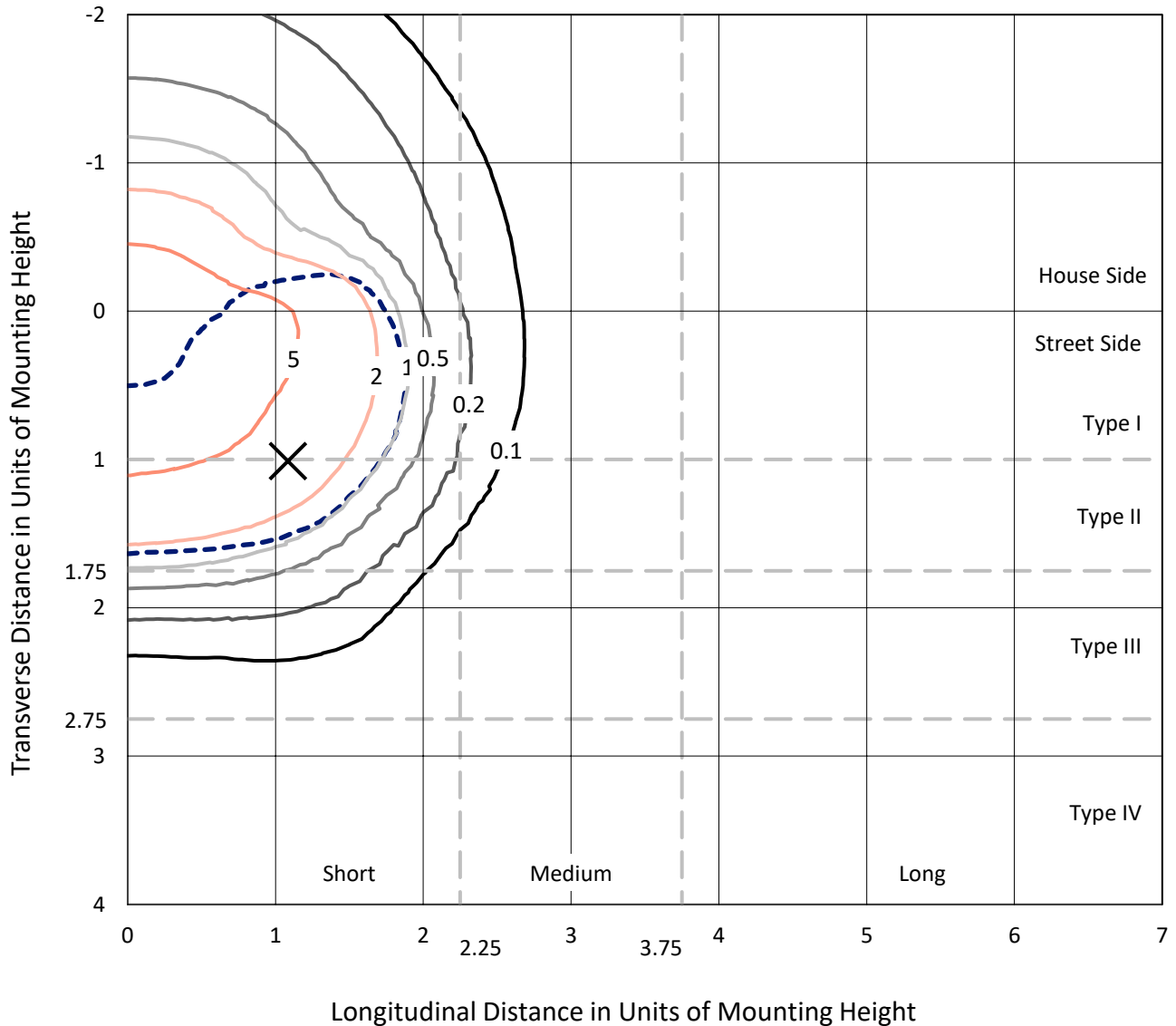
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

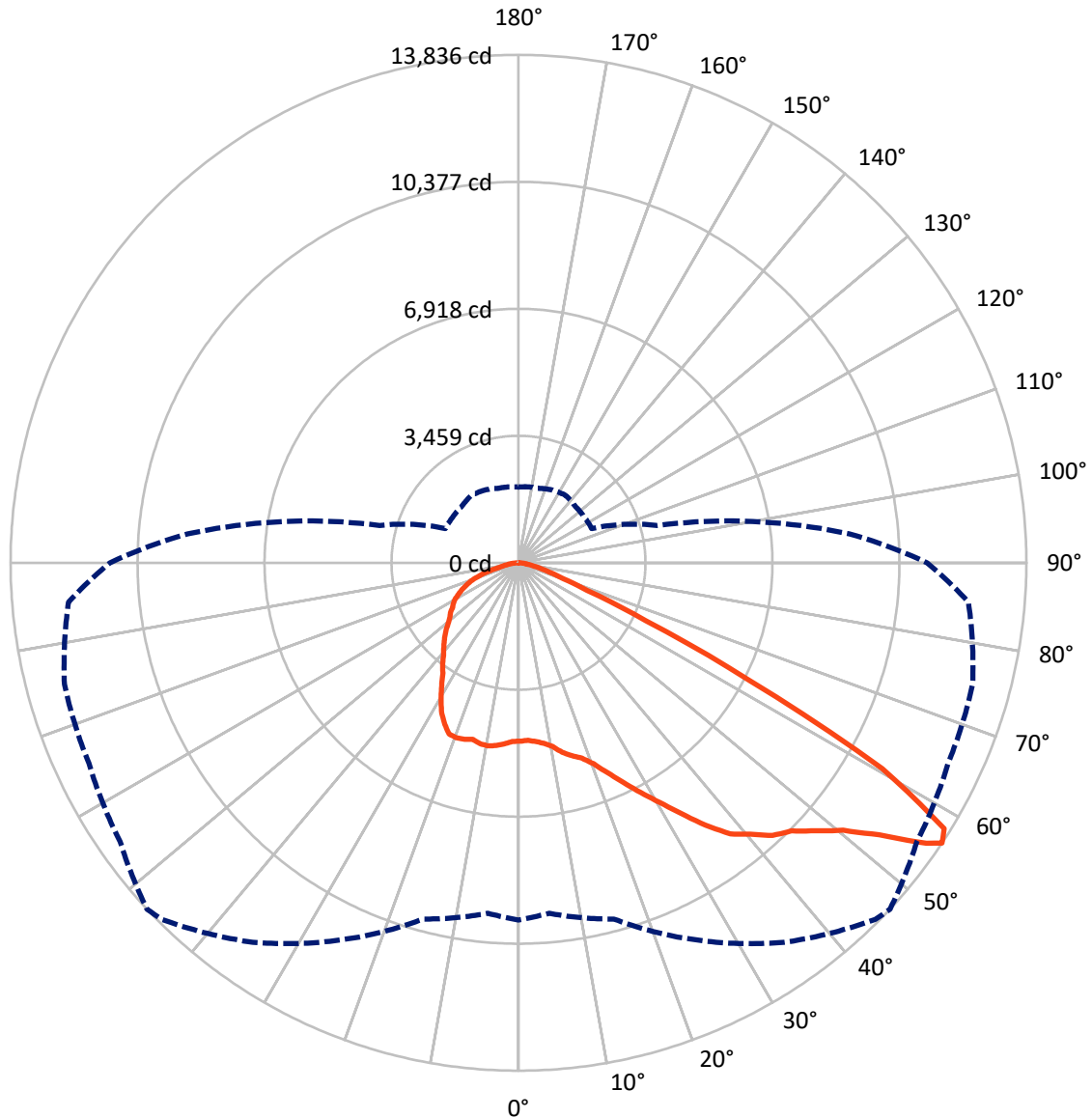
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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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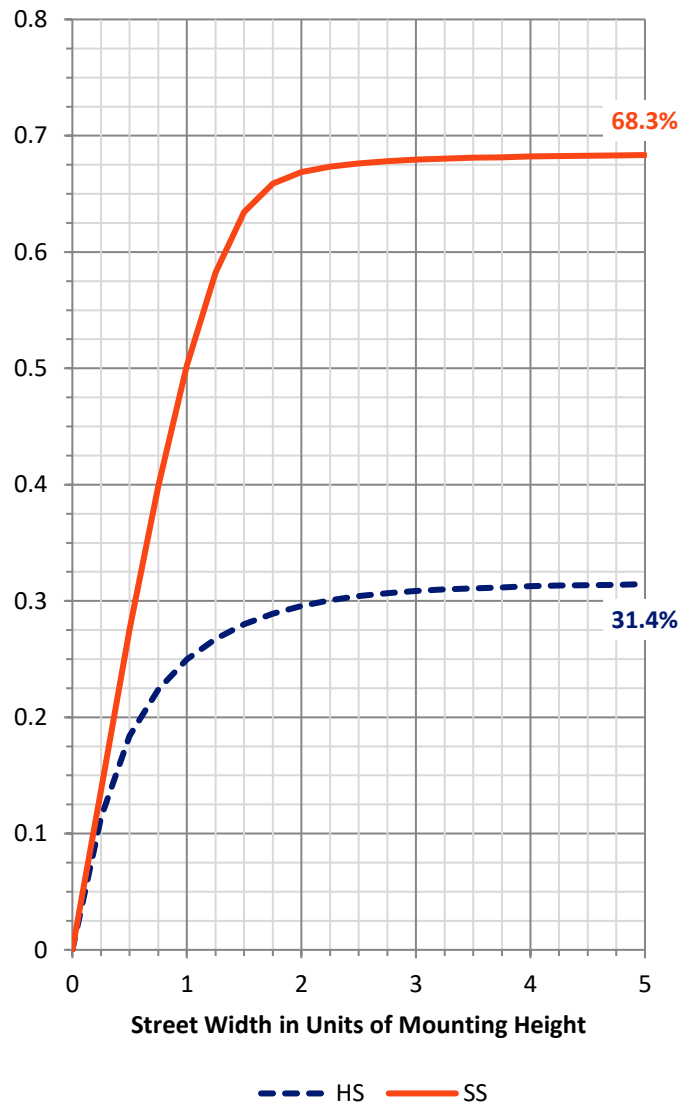
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7666.8	0.0	7666.8
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	16527.1	0.0	16527.1
	% Fixture	68.3	0.0	68.3
Total	Lumens	24193.9	0.0	24193.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.5	2.0
10°-20°	1493.7	6.2
20°-30°	2640.6	10.9
30°-40°	3966.0	16.4
40°-50°	5443.0	22.5
50°-60°	6484.6	26.8
60°-70°	2775.0	11.5
70°-80°	785.3	3.2
80°-90°	132.2	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°	24193.9	100.0
0°-180°	24193.9	100.0

Coefficient of Utilization

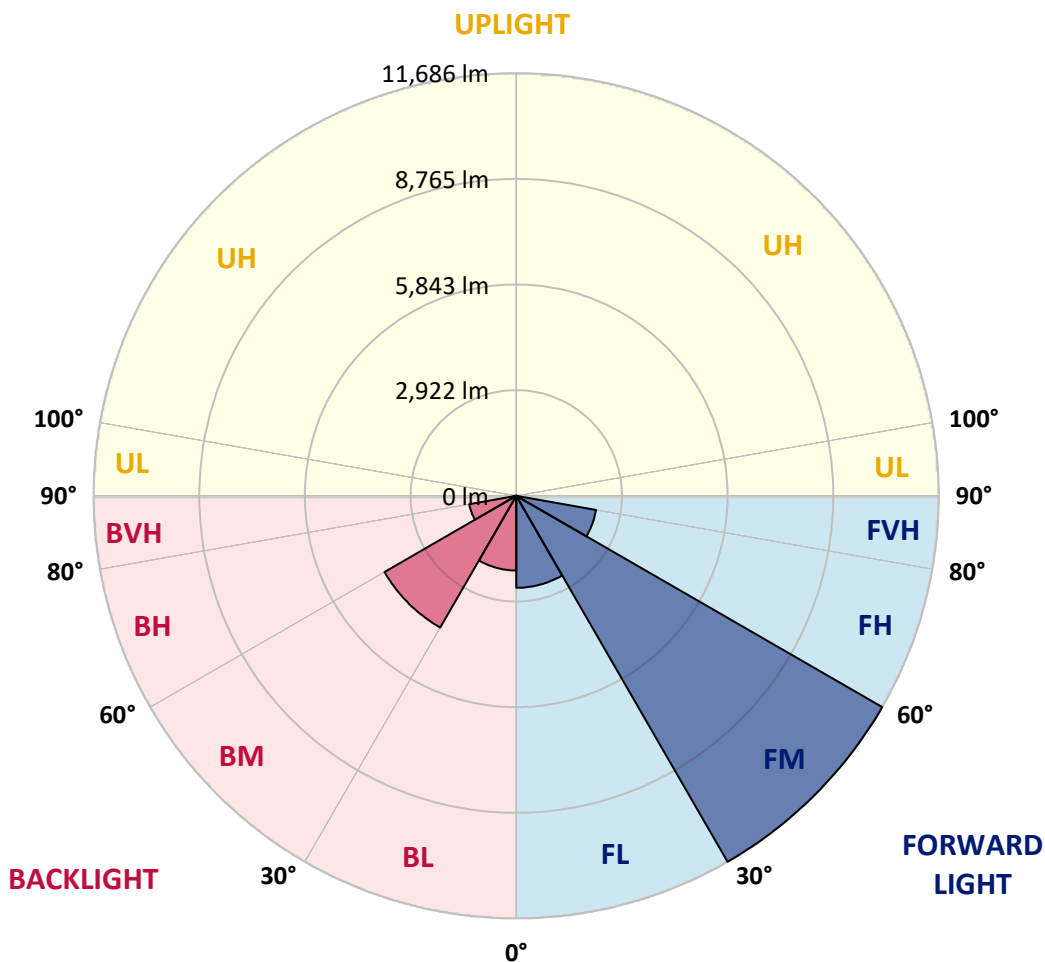


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2543.6	10.5			
FM (30°-60°)	11686.2	48.3			
FH (60°-80°)	2241.2	9.3			G2/5000
FVH (80°-90°)	56.1	0.2			G1/100
BL (0°-30°)	2064.2	8.5	B3/2500		
BM (30°-60°)	4207.4	17.4	B3/5000		
BH (60°-80°)	1319.1	5.5	B3/2500		G3/2500
BVH (80°-90°)	76.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	4859.8	4859.8	4859.8	4859.8	4859.8	4859.8	4859.8	4859.8	4859.8	4859.8	4859.8
2.5°	4841.3	4832.0	4825.9	4875.3	4856.7	4859.8	4841.3	4859.8	4872.2	4844.4	4884.5
5°	4832.0	4859.8	4835.2	4850.6	4890.7	4878.3	4890.7	4927.7	4918.4	4909.2	4896.8
7.5°	4918.4	4921.5	4940.0	4946.2	4958.5	4946.2	4964.8	4998.7	4989.4	4936.9	4943.1
10°	5041.9	5048.0	5051.1	5085.1	5106.6	5109.7	5088.1	5057.3	5054.2	5125.1	5075.8
12.5°	5183.8	5168.4	5205.4	5217.7	5242.5	5270.2	5298.0	5233.2	5273.3	5276.3	5217.7
15°	5390.6	5405.9	5362.8	5362.8	5372.1	5375.1	5452.3	5421.4	5415.2	5381.3	5405.9
17.5°	5699.1	5594.2	5591.1	5547.9	5541.8	5566.4	5594.2	5618.9	5702.1	5634.3	5501.7
20°	5924.3	5949.1	5859.6	5807.1	5816.4	5871.9	5844.1	5955.2	6013.8	5902.7	5773.1
22.5°	6322.4	6239.0	6260.7	6143.4	6152.7	6211.3	6208.3	6322.4	6356.4	6180.4	5992.2
25°	6590.8	6569.2	6587.7	6495.2	6507.5	6553.8	6627.8	6816.1	6760.5	6566.2	6131.1
27.5°	6982.7	6939.5	6924.1	6890.1	6877.8	7001.2	7087.6	7288.2	7248.1	6964.2	6377.9
30°	7383.8	7356.1	7371.5	7232.6	7282.1	7544.3	7569.0	7843.6	7825.1	7325.2	6652.6
32.5°	7661.5	7677.0	7704.7	7627.6	7846.7	8056.5	8139.8	8451.5	8466.9	7945.4	7183.2
35°	8108.9	8056.5	8071.9	8161.4	8263.2	8645.8	8781.6	8988.4	9118.0	8596.4	7692.4
37.5°	8389.7	8445.3	8380.5	8522.4	8787.8	9247.6	9370.9	9583.9	9719.6	9238.3	8386.6
40°	8827.9	8738.4	8784.7	8886.5	9158.1	9756.7	9722.7	9941.8	9985.0	9784.4	9034.6
42.5°	9300.0	9256.8	9192.0	9423.4	9651.7	10086.8	10154.7	10052.9	10272.0	10318.2	9960.3
45°	9864.7	9917.1	9926.4	9932.5	10133.1	10512.7	10420.1	10330.6	10583.6	10920.0	10534.2
47.5°	10389.2	10222.6	10343.0	10509.6	10793.4	10796.5	10904.5	10691.6	10960.1	11259.3	11052.6
50°	10565.1	10484.8	10645.3	10960.1	11398.2	11444.5	11456.9	11154.4	11293.3	11530.9	11231.6
52.5°	10497.2	10469.4	10879.8	11367.4	12009.1	12243.6	12305.3	11932.0	12009.1	11901.2	11626.6
55°	10173.2	10256.5	10670.0	11663.6	12647.9	13373.0	13490.2	13018.2	12527.5	12610.9	12308.5
56°	9728.9	9583.9	10046.7	11327.3	12620.1	13740.2	13835.8	13246.5	12913.2	12805.2	12302.3
57.5°	8254.0	8065.8	8673.7	10191.7	11919.7	13601.3	13672.3	13342.1	12848.5	12629.4	11404.4
60°	4832.0	4924.6	5696.0	7029.0	9195.1	11151.3	11388.9	11629.6	11299.4	10318.2	8488.5
62.5°	2332.7	2274.1	2826.4	4029.8	5603.4	7118.5	7047.5	7723.2	8093.5	7331.4	5359.7
65°	1221.9	1215.7	1542.8	2200.1	3079.4	3739.8	3804.5	4168.7	4677.7	3776.8	2721.5
67.5°	897.9	922.6	1086.2	1545.9	1981.0	2021.1	2011.8	2193.8	2243.2	1897.6	1672.4
70°	703.5	715.9	836.2	1175.6	1474.9	1320.6	1292.9	1314.5	1459.5	1521.2	1447.1
72.5°	509.1	521.5	623.3	793.0	922.6	901.0	919.5	1039.8	1218.8	1283.6	1206.5
75°	339.4	348.7	404.2	484.4	546.1	589.4	623.3	762.1	928.8	965.8	928.8
77.5°	234.5	243.7	280.8	342.5	348.7	376.4	388.8	453.6	555.4	601.7	577.0
80°	132.7	132.7	151.2	175.9	216.0	253.1	259.2	311.7	357.9	388.8	394.9
82.5°	61.7	64.8	80.2	108.0	142.0	175.9	182.1	216.0	249.9	280.8	290.1
85°	30.9	34.0	46.3	64.8	86.4	104.9	101.8	104.9	111.1	104.9	108.0
87.5°	9.3	9.3	12.4	15.4	12.4	15.4	15.4	18.5	21.6	24.7	27.8
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°	4859.8	4859.8	4859.8	4859.8	4859.8	4859.8	4859.8	4859.8	4859.8	4859.8	4859.8
2.5°	4887.6	4896.8	4835.2	4893.8	4872.2	4869.1	4912.3	4906.1	4921.5	4915.4	4878.3
5°	4890.7	4869.1	4933.9	4875.3	4903.0	4961.6	4921.5	5014.1	4967.8	4998.7	4930.8
7.5°	4986.3	4992.5	4980.1	5004.9	4992.5	5020.3	4998.7	5020.3	4983.3	4986.3	5048.0
10°	5069.6	5051.1	5072.7	5041.9	5063.5	5054.2	5004.9	4989.4	5001.8	4986.3	5026.4
12.5°	5224.0	5190.0	5174.6	5137.5	5112.9	5020.3	4943.1	4899.9	4958.5	4967.8	4949.3
15°	5381.3	5384.3	5313.4	5230.1	5075.8	4936.9	4955.5	4970.9	4970.9	4995.6	4949.3
17.5°	5480.0	5480.0	5415.2	5248.6	5091.2	5011.0	4992.5	4943.1	4899.9	4893.8	4890.7
20°	5652.8	5600.4	5452.3	5245.5	5085.1	5048.0	4909.2	4791.9	4702.5	4671.6	4668.5
22.5°	5850.3	5717.6	5510.9	5251.7	5075.8	5023.4	4764.2	4588.2	4427.9	4359.9	4369.2
25°	6032.3	5819.5	5544.8	5224.0	5041.9	4788.8	4498.8	4255.0	4088.4	4032.8	4005.1
27.5°	6158.9	5927.5	5544.8	5248.6	4915.4	4526.6	4230.3	3918.7	3773.7	3736.6	3742.9
30°	6328.5	6063.2	5640.5	5196.1	4662.3	4187.2	3832.4	3628.7	3542.3	3511.4	3533.0
32.5°	6726.6	6418.0	5773.1	5069.6	4363.0	3847.7	3560.8	3446.6	3320.1	3258.4	3236.8
35°	7158.6	6754.4	5902.7	4856.7	4026.7	3539.2	3360.2	3255.3	3104.1	3036.3	3048.5
37.5°	7769.5	7186.3	5912.0	4505.0	3662.6	3366.4	3202.9	3039.3	2915.9	2811.0	2780.1
40°	8593.4	7775.7	5890.4	4134.7	3369.5	3162.7	3042.4	2838.7	2699.9	2625.9	2641.2
42.5°	9318.5	8466.9	5801.0	3715.0	3104.1	3023.9	2888.1	2687.6	2551.8	2474.6	2468.5
45°	9929.4	8976.0	5631.3	3357.1	2881.9	2869.6	2712.2	2558.0	2450.0	2379.0	2409.9
47.5°	10494.1	9386.4	5375.1	2999.2	2678.3	2703.0	2551.8	2456.1	2388.3	2323.4	2320.4
50°	10697.8	9380.2	5149.9	2703.0	2514.8	2502.4	2496.3	2394.4	2323.4	2267.9	2292.6
52.5°	11037.2	9485.1	4906.1	2499.4	2366.7	2369.8	2391.3	2317.3	2237.1	2203.1	2233.9
55°	11524.7	9500.5	4369.2	2261.8	2243.2	2264.8	2264.8	2215.4	2147.6	2119.8	2104.4
56°	11126.7	9040.8	3918.7	2200.1	2181.6	2181.6	2240.2	2184.6	2101.3	2079.7	2061.2
57.5°	10262.7	7920.7	3280.0	2126.0	2098.2	2141.4	2172.3	2113.6	2036.5	2005.6	2024.1
60°	7078.4	5359.7	2465.4	1965.5	1965.5	2036.5	2061.2	1974.8	1940.9	1937.7	1913.1
62.5°	4131.6	3122.6	1928.5	1820.5	1826.7	1885.3	1903.9	1854.4	1811.3	1863.7	1888.4
65°	2190.8	1863.7	1653.9	1666.2	1669.3	1715.6	1795.8	1792.8	1789.6	1805.0	1808.2
67.5°	1586.0	1549.0	1502.7	1490.3	1496.5	1530.5	1610.7	1672.4	1669.3	1632.3	1604.5
70°	1413.2	1360.7	1333.0	1336.1	1311.4	1351.5	1416.3	1456.4	1385.5	1342.2	1323.7
72.5°	1175.6	1160.2	1141.7	1144.8	1095.4	1086.2	1012.1	1012.1	993.6	981.2	1002.8
75°	897.9	891.7	901.0	885.6	833.1	777.6	734.4	694.2	632.5	607.9	595.5
77.5°	567.8	586.3	607.9	573.9	552.3	512.2	469.0	428.9	379.5	351.8	351.8
80°	385.7	401.2	416.5	410.4	385.7	348.7	314.7	271.6	237.6	216.0	212.9
82.5°	293.2	305.5	327.1	302.4	277.7	246.8	219.1	188.2	157.4	132.7	132.7
85°	104.9	120.3	132.7	145.0	154.2	157.4	135.7	111.1	89.5	71.0	67.9
87.5°	27.8	30.9	34.0	30.9	30.9	30.9	34.0	30.9	27.8	21.6	21.6
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)