

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: P531312

Luminaire Tested: **GALN-SA6C-750-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531312
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-SA6C-750-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 1050mA 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: 35544 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

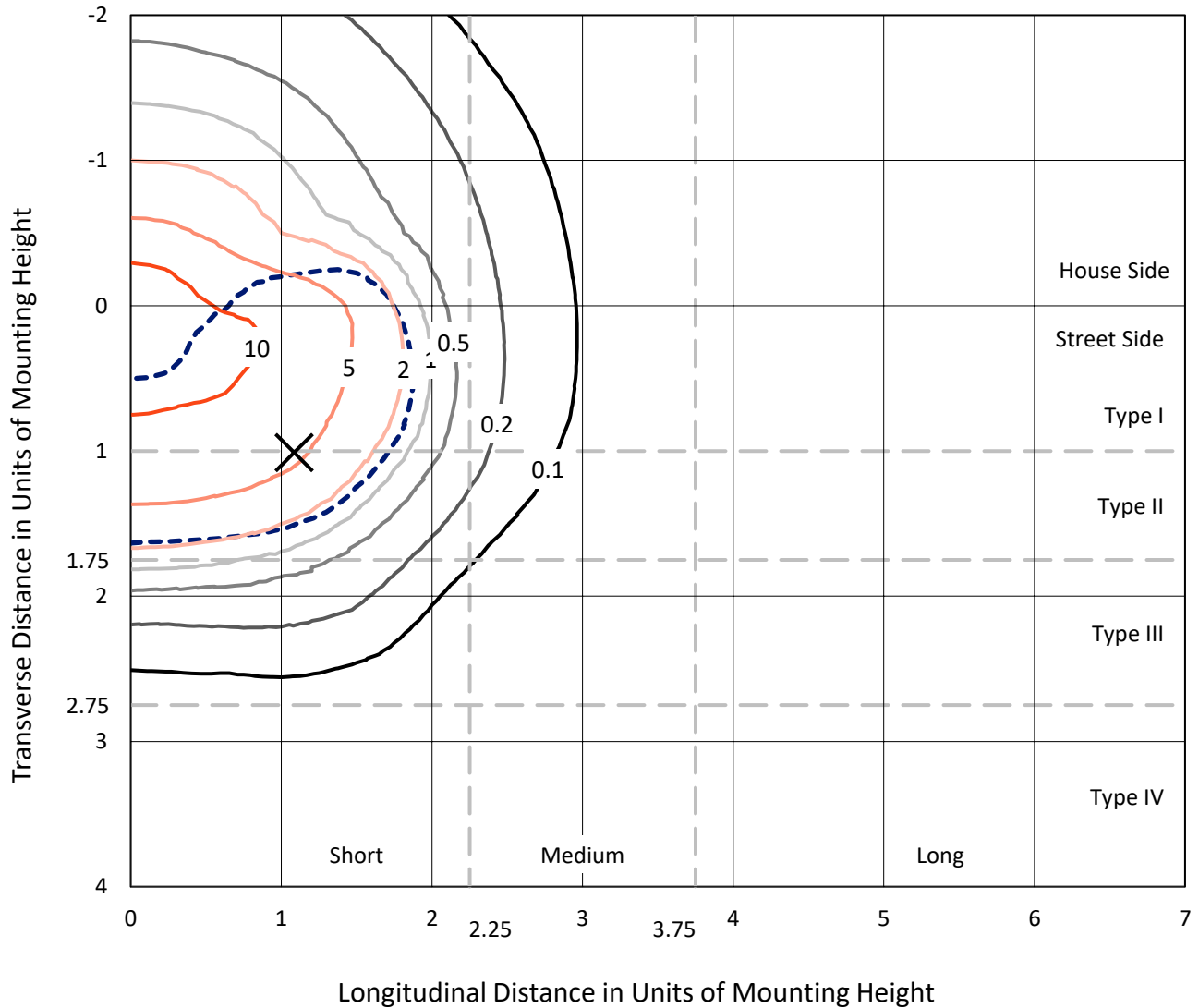
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

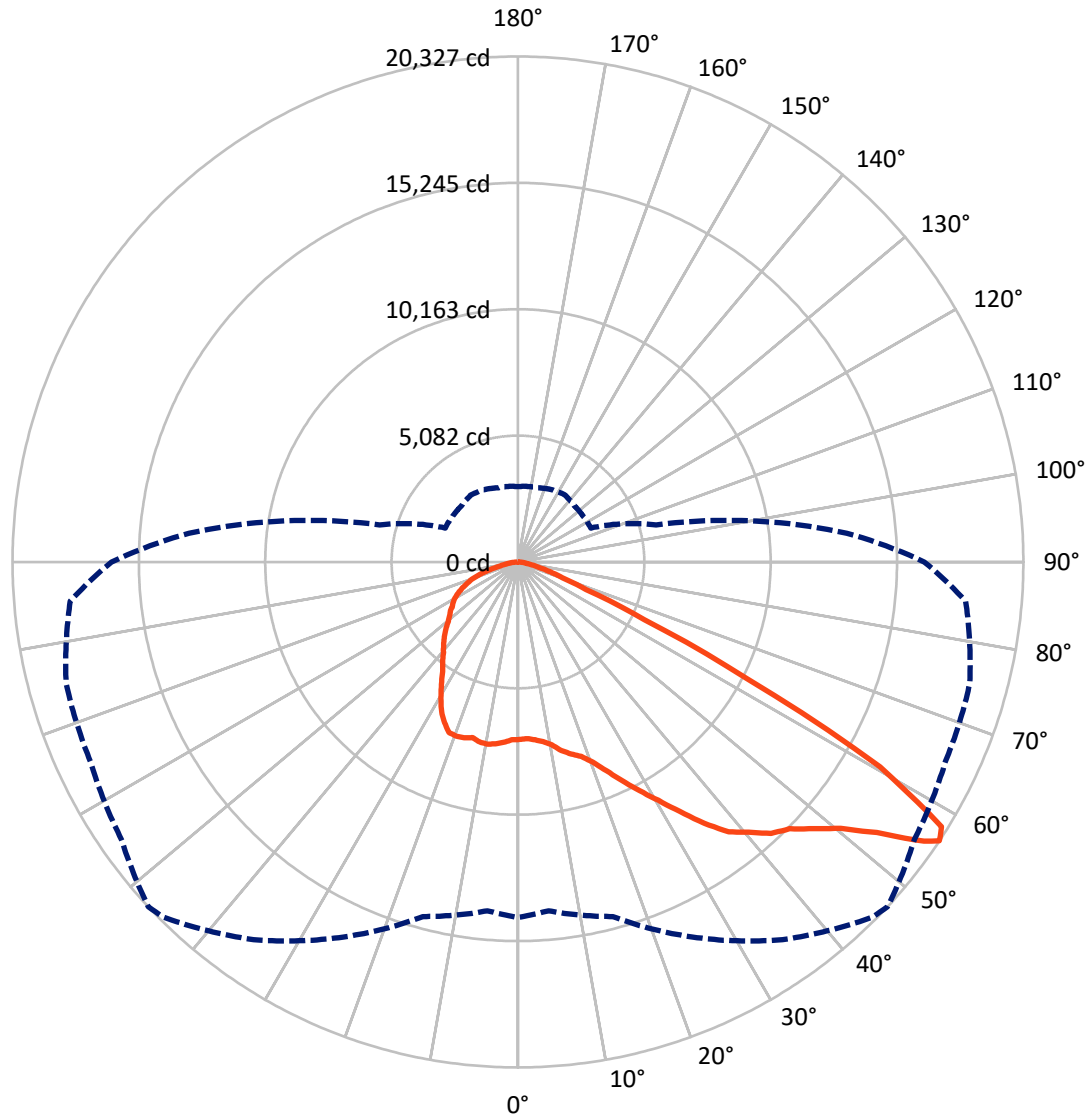
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 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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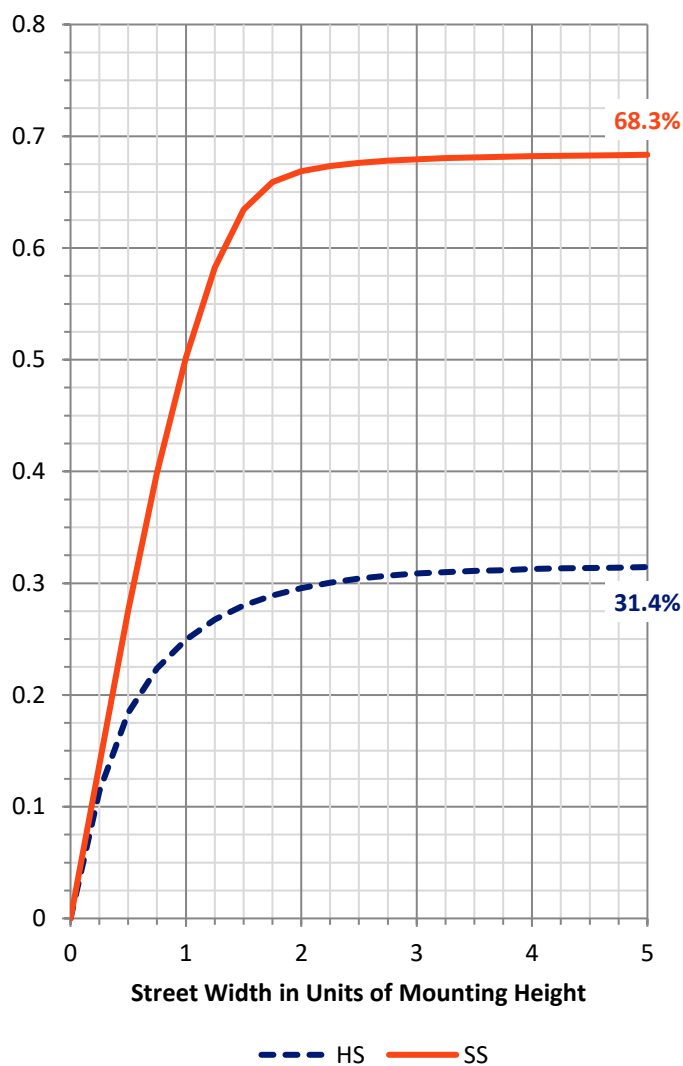
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11263.5	0.0	11263.5
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	24280.5	0.0	24280.5
	% Fixture	68.3	0.0	68.3
Total	Lumens	35544.0	0.0	35544.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	695.7	2.0
10°-20°	2194.5	6.2
20°-30°	3879.3	10.9
30°-40°	5826.6	16.4
40°-50°	7996.5	22.5
50°-60°	9526.7	26.8
60°-70°	4076.9	11.5
70°-80°	1153.7	3.2
80°-90°	194.2	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°	35544.0	100.0
0°-180°	35544.0	100.0

Coefficient of Utilization



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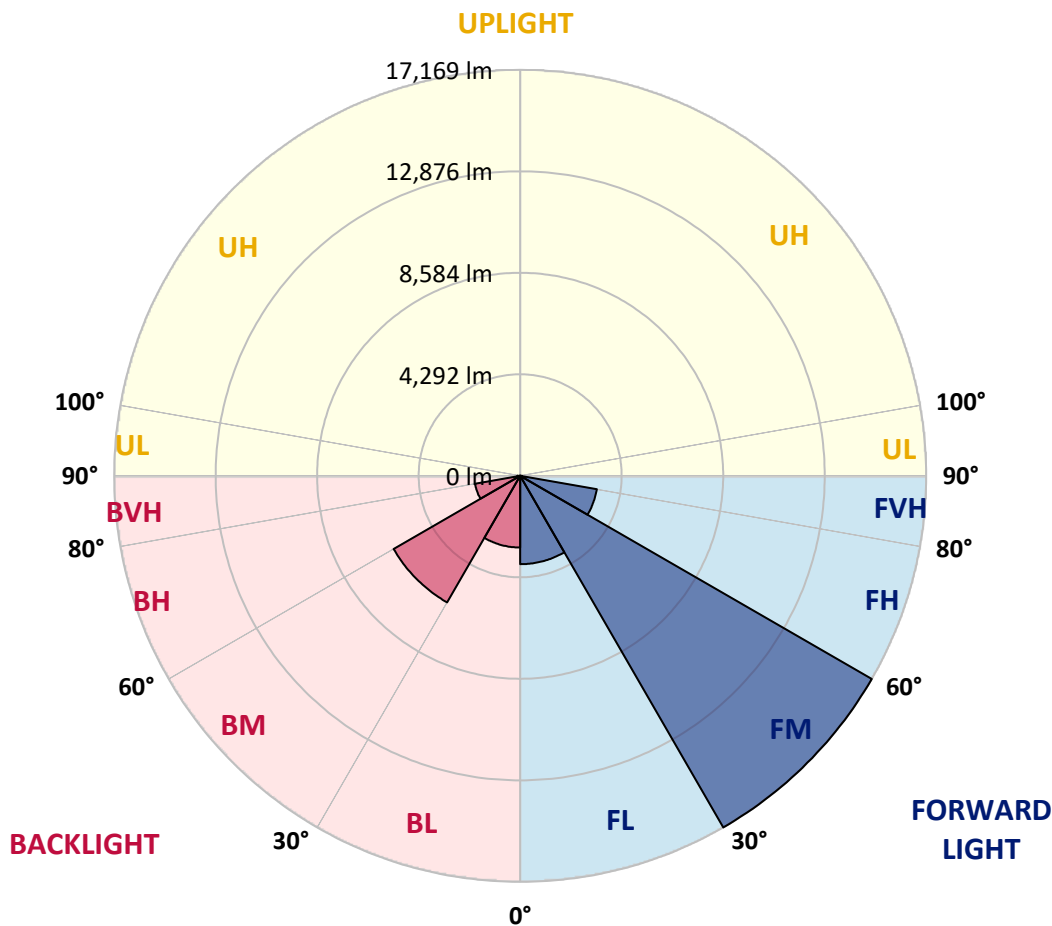
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3736.9	10.5			
FM (30°-60°)	17168.6	48.3			
FH (60°-80°)	3292.7	9.3			G2/5000
FVH (80°-90°)	82.4	0.2			G1/100
BL (0°-30°)	3032.6	8.5	B4/5000		
BM (30°-60°)	6181.2	17.4	B4/8500		
BH (60°-80°)	1937.9	5.5	B3/2500		G3/2500
BVH (80°-90°)	111.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	7139.7	7139.7	7139.7	7139.7	7139.7	7139.7	7139.7	7139.7	7139.7	7139.7	7139.7
2.5°	7112.5	7098.9	7089.8	7162.4	7135.2	7139.7	7112.5	7139.7	7157.8	7117.0	7176.0
5°	7098.9	7139.7	7103.4	7126.1	7185.0	7166.9	7185.0	7239.4	7225.8	7212.2	7194.1
7.5°	7225.8	7230.4	7257.6	7266.6	7284.8	7266.6	7293.8	7343.7	7330.1	7253.0	7262.1
10°	7407.2	7416.2	7420.8	7470.6	7502.4	7506.9	7475.2	7429.8	7425.3	7529.6	7457.0
12.5°	7615.7	7593.0	7647.4	7665.6	7701.8	7742.6	7783.4	7688.2	7747.2	7751.7	7665.6
15°	7919.4	7942.1	7878.6	7878.6	7892.2	7896.7	8010.1	7964.7	7955.7	7905.8	7942.1
17.5°	8372.7	8218.6	8214.1	8150.6	8141.5	8177.8	8218.6	8254.9	8377.3	8277.5	8082.6
20°	8703.6	8739.9	8608.4	8531.4	8545.0	8626.6	8585.8	8749.0	8835.1	8671.9	8481.5
22.5°	9288.4	9166.0	9197.8	9025.5	9039.1	9125.2	9120.7	9288.4	9338.3	9079.9	8803.4
25°	9682.8	9651.1	9678.3	9542.3	9560.4	9628.4	9737.2	10013.7	9932.1	9646.5	9007.4
27.5°	10258.5	10195.1	10172.4	10122.5	10104.4	10285.7	10412.6	10707.3	10648.4	10231.3	9370.0
30°	10847.8	10807.0	10829.7	10625.7	10698.2	11083.5	11119.8	11523.3	11496.1	10761.7	9773.5
32.5°	11255.8	11278.5	11319.3	11205.9	11527.8	11836.1	11958.4	12416.3	12439.0	11672.9	10553.2
35°	11913.1	11836.1	11858.7	11990.2	12139.8	12701.9	12901.3	13205.1	13395.5	12629.4	11301.1
37.5°	12325.6	12407.2	12312.0	12520.6	12910.4	13585.8	13767.2	14080.0	14279.4	13572.2	12321.1
40°	12969.3	12837.9	12905.9	13055.5	13454.4	14333.8	14284.0	14605.8	14669.3	14374.6	13273.1
42.5°	13662.9	13599.4	13504.3	13844.2	14179.7	14818.9	14918.6	14769.0	15090.9	15158.9	14633.0
45°	14492.5	14569.5	14583.1	14592.2	14886.9	15444.4	15308.4	15177.0	15548.7	16042.8	15476.2
47.5°	15263.1	15018.3	15195.1	15439.9	15857.0	15861.5	16020.1	15707.4	16101.7	16541.5	16237.7
50°	15521.5	15403.6	15639.4	16101.7	16745.5	16813.4	16831.6	16387.3	16591.3	16940.4	16500.7
52.5°	15421.8	15381.0	15983.9	16700.1	17643.0	17987.5	18078.2	17529.7	17643.0	17484.4	17080.9
55°	14945.8	15068.2	15675.6	17135.3	18581.4	19646.7	19818.9	19125.4	18404.6	18527.0	18082.7
56°	14293.0	14080.0	14759.9	16641.2	18540.6	20186.1	20326.6	19460.8	18971.2	18812.6	18073.7
57.5°	12126.2	11849.7	12742.7	14973.0	17511.6	19982.1	20086.4	19601.3	18876.0	18554.2	16754.5
60°	7098.9	7234.9	8368.2	10326.5	13508.8	16382.8	16731.9	17085.4	16600.4	15158.9	12470.7
62.5°	3427.1	3340.9	4152.4	5920.3	8232.2	10458.0	10353.7	11346.5	11890.4	10770.8	7874.1
65°	1795.1	1786.1	2266.6	3232.1	4524.1	5494.2	5589.4	6124.3	6872.3	5548.6	3998.2
67.5°	1319.1	1355.4	1595.7	2271.1	2910.3	2969.2	2955.6	3223.1	3295.6	2787.9	2457.0
70°	1033.6	1051.7	1228.5	1727.1	2166.8	1940.2	1899.4	1931.1	2144.2	2234.8	2126.0
72.5°	748.0	766.1	915.7	1165.0	1355.4	1323.7	1350.9	1527.7	1790.6	1885.8	1772.5
75°	498.6	512.2	593.8	711.7	802.4	865.8	915.7	1119.7	1364.5	1418.9	1364.5
77.5°	344.5	358.1	412.5	503.2	512.2	553.0	571.2	666.4	816.0	884.0	847.7
80°	194.9	194.9	222.1	258.4	317.3	371.7	380.8	457.8	525.8	571.2	580.2
82.5°	90.7	95.2	117.9	158.7	208.5	258.4	267.5	317.3	367.2	412.5	426.1
85°	45.3	49.9	68.0	95.2	126.9	154.1	149.6	154.1	163.2	154.1	158.7
87.5°	13.6	13.6	18.1	22.7	18.1	22.7	22.7	27.2	31.7	36.3	40.8
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°	7139.7	7139.7	7139.7	7139.7	7139.7	7139.7	7139.7	7139.7	7139.7	7139.7	7139.7
2.5°	7180.5	7194.1	7103.4	7189.6	7157.8	7153.3	7216.8	7207.7	7230.4	7221.3	7166.9
5°	7185.0	7153.3	7248.5	7162.4	7203.2	7289.3	7230.4	7366.4	7298.4	7343.7	7244.0
7.5°	7325.6	7334.6	7316.5	7352.8	7334.6	7375.4	7343.7	7375.4	7321.0	7325.6	7416.2
10°	7448.0	7420.8	7452.5	7407.2	7438.9	7425.3	7352.8	7330.1	7348.2	7325.6	7384.5
12.5°	7674.6	7624.8	7602.1	7547.7	7511.4	7375.4	7262.1	7198.6	7284.8	7298.4	7271.2
15°	7905.8	7910.3	7806.1	7683.7	7457.0	7253.0	7280.2	7302.9	7302.9	7339.2	7271.2
17.5°	8050.9	8050.9	7955.7	7710.9	7479.7	7361.8	7334.6	7262.1	7198.6	7189.6	7185.0
20°	8304.7	8227.7	8010.1	7706.4	7470.6	7416.2	7212.2	7040.0	6908.5	6863.2	6858.7
22.5°	8594.9	8399.9	8096.2	7715.4	7457.0	7380.0	6999.2	6740.8	6505.1	6405.3	6418.9
25°	8862.3	8549.5	8146.1	7674.6	7407.2	7035.4	6609.3	6251.2	6006.4	5924.8	5884.0
27.5°	9048.2	8708.2	8146.1	7710.9	7221.3	6650.1	6214.9	5757.1	5544.0	5489.6	5498.7
30°	9297.5	8907.6	8286.6	7633.8	6849.6	6151.5	5630.2	5331.0	5204.1	5158.7	5190.5
32.5°	9882.3	9428.9	8481.5	7448.0	6409.9	5652.8	5231.3	5063.5	4877.7	4787.0	4755.3
35°	10516.9	9923.1	8671.9	7135.2	5915.8	5199.5	4936.6	4782.5	4560.3	4460.6	4478.8
37.5°	11414.5	10557.7	8685.5	6618.4	5380.8	4945.7	4705.4	4465.2	4283.8	4129.7	4084.4
40°	12624.8	11423.5	8653.8	6074.4	4950.2	4646.5	4469.7	4170.5	3966.5	3857.7	3880.4
42.5°	13690.1	12439.0	8522.3	5457.9	4560.3	4442.5	4243.0	3948.4	3748.9	3635.6	3626.5
45°	14587.7	13186.9	8273.0	4932.1	4234.0	4215.8	3984.6	3758.0	3599.3	3495.1	3540.4
47.5°	15417.2	13789.8	7896.7	4406.2	3934.8	3971.0	3748.9	3608.4	3508.7	3413.5	3408.9
50°	15716.4	13780.8	7565.8	3971.0	3694.5	3676.4	3667.3	3517.7	3413.5	3331.9	3368.1
52.5°	16215.1	13934.9	7207.7	3671.9	3476.9	3481.5	3513.2	3404.4	3286.5	3236.7	3282.0
55°	16931.3	13957.6	6418.9	3322.8	3295.6	3327.3	3327.3	3254.8	3155.1	3114.3	3091.6
56°	16346.5	13282.1	5757.1	3232.1	3204.9	3204.9	3291.1	3209.5	3087.1	3055.3	3028.1
57.5°	15077.3	11636.6	4818.7	3123.3	3082.5	3146.0	3191.3	3105.2	2991.9	2946.5	2973.7
60°	10399.0	7874.1	3622.0	2887.6	2887.6	2991.9	3028.1	2901.2	2851.4	2846.8	2810.6
62.5°	6069.9	4587.5	2833.2	2674.6	2683.6	2769.8	2797.0	2724.4	2661.0	2738.0	2774.3
65°	3218.5	2738.0	2429.8	2447.9	2452.4	2520.4	2638.3	2633.8	2629.2	2651.9	2656.4
67.5°	2330.0	2275.6	2207.6	2189.5	2198.6	2248.4	2366.3	2457.0	2452.4	2398.0	2357.2
70°	2076.2	1999.1	1958.3	1962.9	1926.6	1985.5	2080.7	2139.6	2035.4	1971.9	1944.7
72.5°	1727.1	1704.5	1677.3	1681.8	1609.3	1595.7	1486.9	1486.9	1459.7	1441.5	1473.3
75°	1319.1	1310.1	1323.7	1301.0	1224.0	1142.4	1078.9	1020.0	929.3	893.0	874.9
77.5°	834.1	861.3	893.0	843.2	811.4	752.5	689.0	630.1	557.6	516.8	516.8
80°	566.6	589.3	612.0	602.9	566.6	512.2	462.4	398.9	349.1	317.3	312.8
82.5°	430.6	448.8	480.5	444.2	408.0	362.7	321.9	276.5	231.2	194.9	194.9
85°	154.1	176.8	194.9	213.1	226.7	231.2	199.5	163.2	131.5	104.3	99.7
87.5°	40.8	45.3	49.9	45.3	45.3	45.3	49.9	45.3	40.8	31.7	31.7
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)