

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: P534037

Luminaire Tested: **GALN-SA9C-730-U-T2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9C-730-U-T2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34240 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

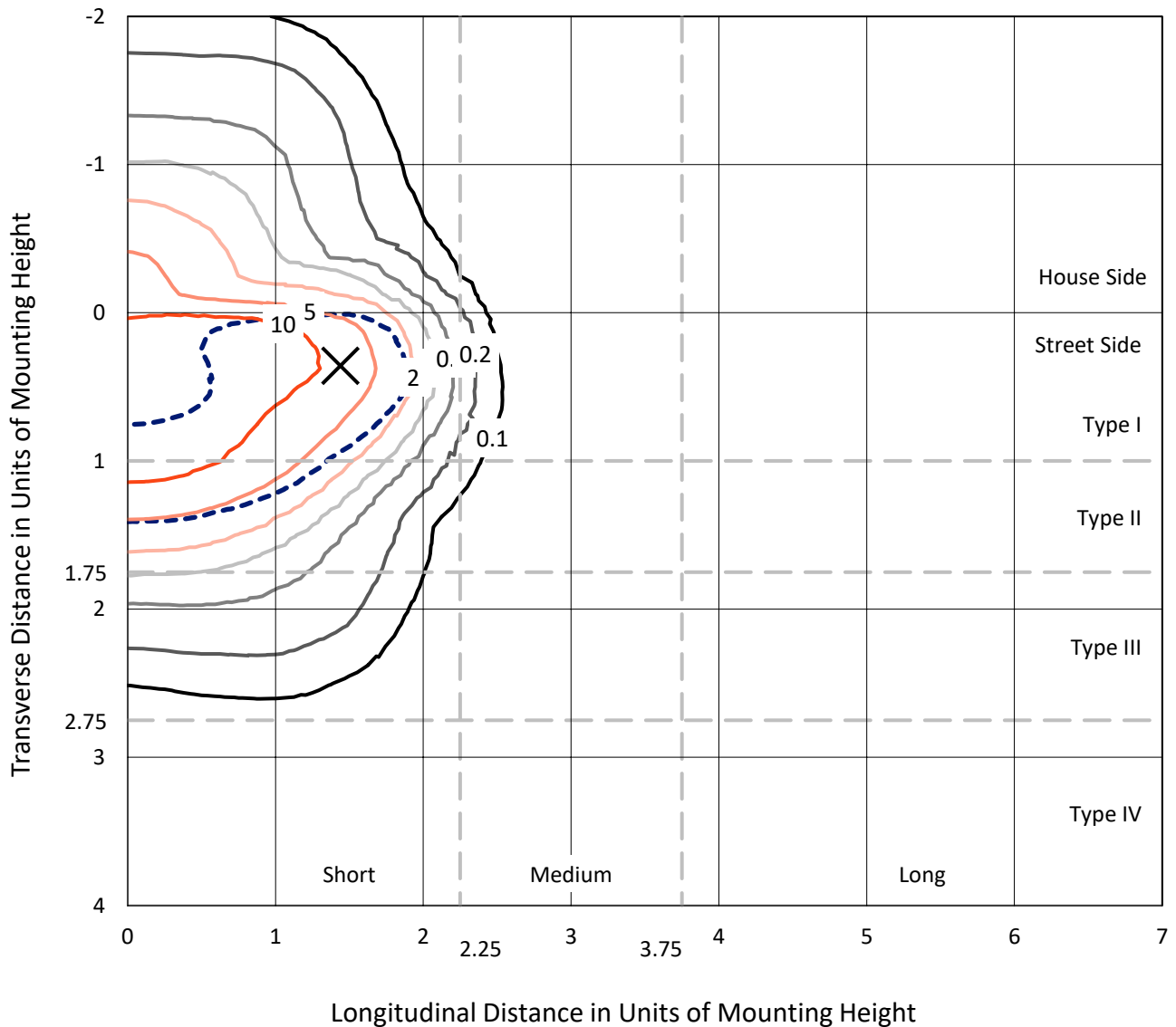
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P534037
 CATALOG NUMBER: GALN-SA9C-730-U-T2-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

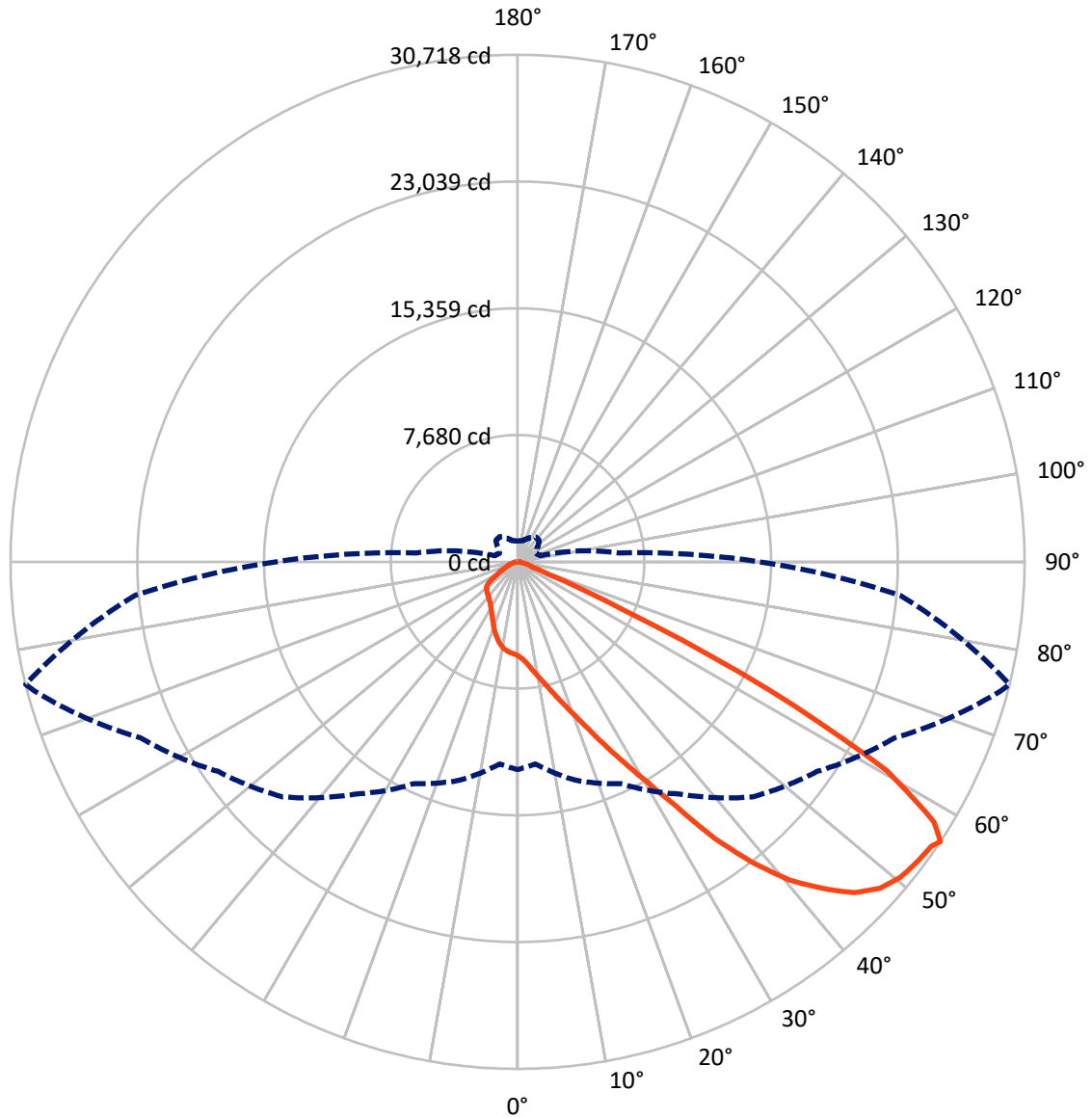
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.1 fc
 Type II - Short - N/A

REPORT NUMBER: P534037
CATALOG NUMBER: GALN-SA9C-730-U-T2-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P534037
 CATALOG NUMBER: GALN-SA9C-730-U-T2-GRSBK

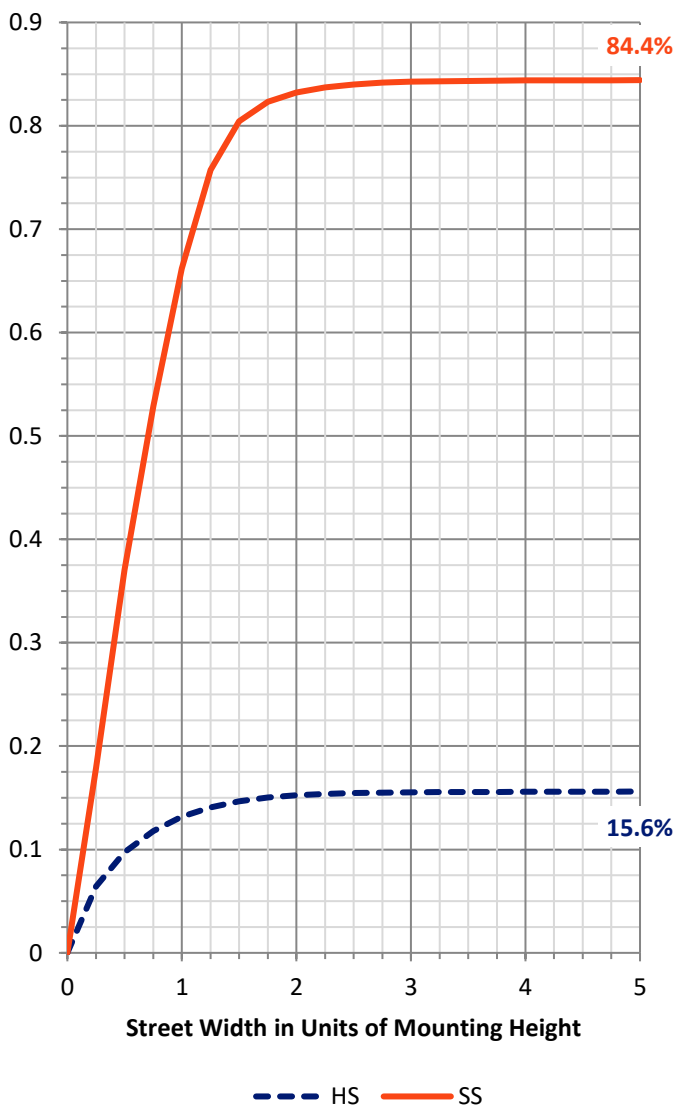
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5378.9	0.0	5378.9
	% Fixture	15.7	0.0	15.7
Street Side	Lumens	28861.1	0.0	28861.1
	% Fixture	84.3	0.0	84.3
Total	Lumens	34240.0	0.0	34240.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	574.1	1.7
10°-20°	1844.5	5.4
20°-30°	3344.5	9.8
30°-40°	5767.7	16.8
40°-50°	9369.9	27.4
50°-60°	9876.2	28.8
60°-70°	3017.6	8.8
70°-80°	386.8	1.1
80°-90°	58.8	0.2
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°	34240.0	100.0
0°-180°	34240.0	100.0

Coefficient of Utilization

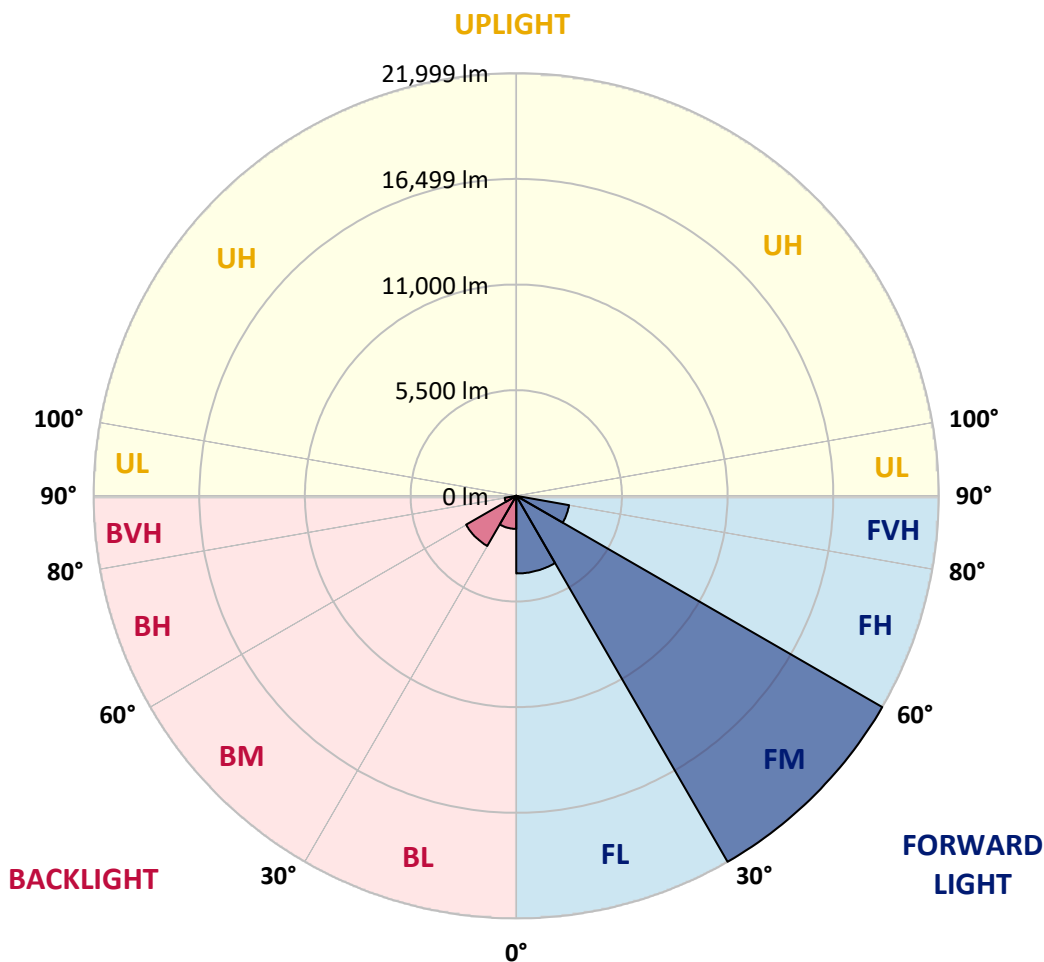


REPORT NUMBER: P534037
 CATALOG NUMBER: GALN-SA9C-730-U-T2-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4042.3	11.8			
FM (30°-60°)	21999.2	64.2			
FH (60°-80°)	2790.8	8.2			G2/5000
FVH (80°-90°)	28.8	0.1			G1/100
BL (0°-30°)	1720.7	5.0	B3/2500		
BM (30°-60°)	3014.6	8.8	B3/5000		
BH (60°-80°)	613.6	1.8	B2/1000		G2/1000
BVH (80°-90°)	30.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type II Short





REPORT NUMBER: P534037

CATALOG NUMBER: GALN-SA9C-730-U-T2-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	5699.3	5699.3	5699.3	5699.3	5699.3	5699.3	5699.3	5699.3	5699.3	5699.3	5699.3
2.5°	6564.0	6412.5	6418.8	6406.2	6387.3	6317.8	6109.5	6078.0	5939.1	5901.3	5775.0
5°	7352.9	7220.4	7296.1	7182.5	7075.2	7012.1	6671.3	6513.5	6292.6	6210.5	6033.8
7.5°	7845.2	7782.1	7756.9	7763.2	7662.2	7504.4	7352.9	7005.8	6709.1	6646.0	6273.6
10°	8085.1	8047.2	8085.1	8066.1	8110.3	8129.2	7864.1	7655.9	7220.4	7113.1	6532.4
12.5°	8141.9	8217.6	8249.2	8331.2	8438.5	8621.5	8602.6	8318.6	7737.9	7668.5	6930.0
15°	8280.7	8343.8	8312.3	8444.8	8646.8	8956.0	9120.1	9076.0	8451.1	8324.9	7390.8
17.5°	8406.9	8293.3	8400.6	8665.7	8867.7	9341.0	9738.7	9921.7	9227.4	9082.3	7813.7
20°	8577.4	8545.8	8526.9	8659.4	9019.2	9650.3	10439.2	10773.8	10098.4	9947.0	8419.6
22.5°	9094.9	9101.2	9088.6	8892.9	9151.7	9864.9	11051.5	11878.3	11139.8	11013.6	9107.5
25°	9776.5	9694.5	9631.4	9473.6	9442.0	10060.6	11670.0	13228.9	12389.5	12301.1	9852.3
27.5°	10496.1	10496.1	10306.7	10161.5	9959.6	10546.5	12238.0	14541.7	13898.0	13778.0	10502.4
30°	11278.7	11322.9	11297.6	10988.4	10862.1	11076.7	12818.7	16220.6	15627.3	15475.8	11575.3
32.5°	12433.7	12339.0	12446.3	12187.5	11815.2	12004.5	13733.9	17722.7	17874.2	17659.6	12982.8
35°	13961.1	13904.3	13834.8	13412.0	12970.2	13121.6	15027.7	19572.0	20695.5	20588.2	14402.9
37.5°	15330.7	15299.1	15242.3	14952.0	14440.7	14623.8	16498.3	21497.0	23447.3	23093.8	16409.9
40°	16769.7	16940.1	16757.1	16498.3	16031.3	16435.2	18227.7	22639.4	25763.6	25334.4	17943.6
42.5°	18720.0	18587.4	18669.5	18196.1	17943.6	18385.4	19963.3	23781.8	27562.4	27051.2	19572.0
45°	20796.4	20802.8	20581.9	20430.4	19774.0	20253.7	21030.0	24412.9	28995.1	28597.5	20802.8
47.5°	22128.2	22121.9	22361.7	22601.5	21926.2	21452.8	21755.8	25012.5	29733.6	29550.5	21250.9
50°	21919.9	21983.0	22292.3	23188.5	23542.0	22904.5	22437.4	24835.8	30068.1	30049.1	21635.9
52.5°	19067.1	19275.4	19792.9	21086.8	22866.6	23655.6	23150.6	25164.0	30232.2	30263.7	22210.2
55°	14516.5	14630.1	15614.7	17186.3	19155.5	21856.8	22866.6	25422.8	30358.4	30415.2	22904.5
56°	12591.5	12288.5	13708.6	14825.8	17179.9	20133.7	22147.1	25220.8	30282.7	30718.2	23251.6
57.5°	9505.1	9303.2	10451.9	11846.7	14112.6	17230.4	19912.8	24267.8	29771.4	29765.1	22753.0
60°	5781.3	5579.4	6463.0	7283.5	8552.1	10609.7	13456.2	19325.9	25170.3	25700.5	18423.3
62.5°	3439.8	3566.0	4437.0	4935.6	5345.9	5560.4	6961.6	11487.0	16794.9	17173.6	11430.2
65°	2291.1	2335.3	2991.7	3812.2	3995.2	3181.0	2833.9	4651.6	7283.5	7050.0	4714.7
67.5°	1413.8	1514.8	2007.1	2865.4	3174.7	2322.6	1344.4	1735.7	2007.1	2007.1	1363.3
70°	858.4	908.9	1338.0	1950.3	2177.5	1495.8	978.3	978.3	965.7	946.7	814.2
72.5°	410.2	441.8	681.6	1003.5	1022.5	788.9	757.4	826.8	807.9	801.6	675.3
75°	176.7	189.3	239.8	315.6	359.8	334.5	460.7	593.3	612.2	593.3	486.0
77.5°	56.8	63.1	88.4	113.6	119.9	145.2	195.7	246.1	284.0	265.1	239.8
80°	6.3	12.6	25.2	56.8	88.4	113.6	145.2	164.1	183.0	183.0	170.4
82.5°	6.3	6.3	25.2	50.5	82.0	107.3	138.9	157.8	183.0	189.3	176.7
85°	0.0	6.3	18.9	44.2	69.4	69.4	63.1	63.1	44.2	44.2	44.2
87.5°	0.0	0.0	6.3	6.3	6.3	12.6	12.6	12.6	12.6	12.6	12.6
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: P534037

CATALOG NUMBER: GALN-SA9C-730-U-T2-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5699.3	5699.3	5699.3	5699.3	5699.3	5699.3	5699.3	5699.3	5699.3	5699.3	5699.3
2.5°	5749.8	5737.2	5566.8	5459.5	5402.7	5289.1	5219.6	5169.1	5131.3	5087.1	5093.4
5°	5825.5	5781.3	5497.3	5301.7	5068.1	4941.9	4834.6	4746.3	4689.5	4676.8	4651.6
7.5°	6040.1	5806.6	5377.4	5024.0	4727.3	4601.1	4506.4	4449.6	4474.9	4418.1	4462.2
10°	6204.2	5857.1	5232.2	4721.0	4424.4	4329.7	4279.2	4323.4	4386.5	4361.3	4329.7
12.5°	6406.2	5907.6	4998.7	4430.7	4153.0	4083.6	4171.9	4254.0	4380.2	4430.7	4367.6
15°	6633.4	5964.4	4702.1	4096.2	3919.5	3976.3	4127.7	4272.9	4399.1	4462.2	4500.1
17.5°	6911.1	5945.4	4411.8	3831.1	3698.5	3862.6	4045.7	4178.2	4367.6	4462.2	4437.0
20°	7169.9	5882.3	4089.9	3566.0	3572.3	3723.8	3875.3	4089.9	4190.8	4317.1	4272.9
22.5°	7416.0	5768.7	3755.4	3383.0	3383.0	3616.5	3692.2	3831.1	3919.5	3982.6	3976.3
25°	7763.2	5554.1	3477.6	3206.3	3282.0	3433.5	3496.6	3540.8	3502.9	3553.4	3559.7
27.5°	8009.3	5333.2	3250.4	3048.5	3187.3	3300.9	3282.0	3256.7	3168.4	3099.0	3143.1
30°	8274.4	5074.5	3054.8	2941.2	3016.9	3117.9	3042.2	2966.4	2827.6	2714.0	2720.3
32.5°	8653.1	4954.5	2884.4	2814.9	2915.9	2928.5	2846.5	2732.9	2594.0	2486.7	2480.4
35°	9360.0	4878.8	2739.2	2732.9	2751.8	2758.1	2676.1	2537.2	2480.4	2392.1	2423.6
37.5°	10066.9	4840.9	2638.2	2613.0	2606.7	2613.0	2518.3	2385.8	2493.0	2486.7	2499.4
40°	10969.4	5011.3	2493.0	2461.5	2467.8	2467.8	2347.9	2310.0	2499.4	2518.3	2524.6
42.5°	11884.6	5225.9	2398.4	2297.4	2322.6	2322.6	2259.5	2215.3	2347.9	2221.7	2202.7
45°	12679.8	5541.5	2297.4	2133.3	2196.4	2228.0	2209.0	2133.3	2051.2	1836.7	1836.7
47.5°	12938.6	5819.2	2177.5	1975.5	2026.0	2164.9	2108.0	1950.3	1805.1	1628.4	1615.7
50°	13393.0	6122.2	2082.8	1792.5	1899.8	2070.2	2013.4	1855.6	1691.5	1565.3	1571.6
52.5°	13860.1	6469.3	1906.1	1577.9	1710.4	1994.4	1994.4	1817.7	1565.3	1476.9	1464.3
55°	14560.7	6456.7	1590.5	1293.9	1527.4	1880.8	1912.4	1628.4	1401.2	1331.7	1331.7
56°	14661.7	6166.4	1432.7	1211.8	1445.3	1849.3	1855.6	1577.9	1338.0	1262.3	1262.3
57.5°	13904.3	5566.8	1256.0	1110.8	1344.4	1792.5	1798.8	1533.7	1287.5	1180.3	1167.6
60°	10698.0	3768.0	1047.7	990.9	1218.1	1615.7	1647.3	1394.8	1129.8	1047.7	1041.4
62.5°	6040.1	2089.1	921.5	896.2	1047.7	1375.9	1470.6	1218.1	959.4	915.2	927.8
65°	2758.1	1148.7	776.3	725.8	845.7	1060.3	1186.6	1003.5	788.9	738.4	738.4
67.5°	1009.8	782.6	662.7	574.3	593.3	688.0	770.0	650.1	523.9	448.1	467.1
70°	719.5	656.4	580.7	498.6	460.7	448.1	441.8	366.1	258.8	202.0	214.6
72.5°	580.7	542.8	486.0	422.9	359.8	303.0	258.8	189.3	119.9	82.0	75.7
75°	416.6	397.6	353.4	303.0	252.5	214.6	176.7	119.9	63.1	31.6	31.6
77.5°	214.6	214.6	208.3	189.3	157.8	126.2	101.0	69.4	37.9	12.6	12.6
80°	164.1	176.7	183.0	164.1	145.2	113.6	82.0	50.5	25.2	6.3	6.3
82.5°	157.8	183.0	195.7	170.4	145.2	107.3	82.0	50.5	25.2	6.3	6.3
85°	37.9	37.9	56.8	63.1	82.0	88.4	69.4	44.2	18.9	6.3	6.3
87.5°	12.6	12.6	12.6	12.6	12.6	12.6	6.3	6.3	6.3	6.3	0.0
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)