

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: P527948

Luminaire Tested: **GALN-SA3A-730-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3A-730-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10518 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

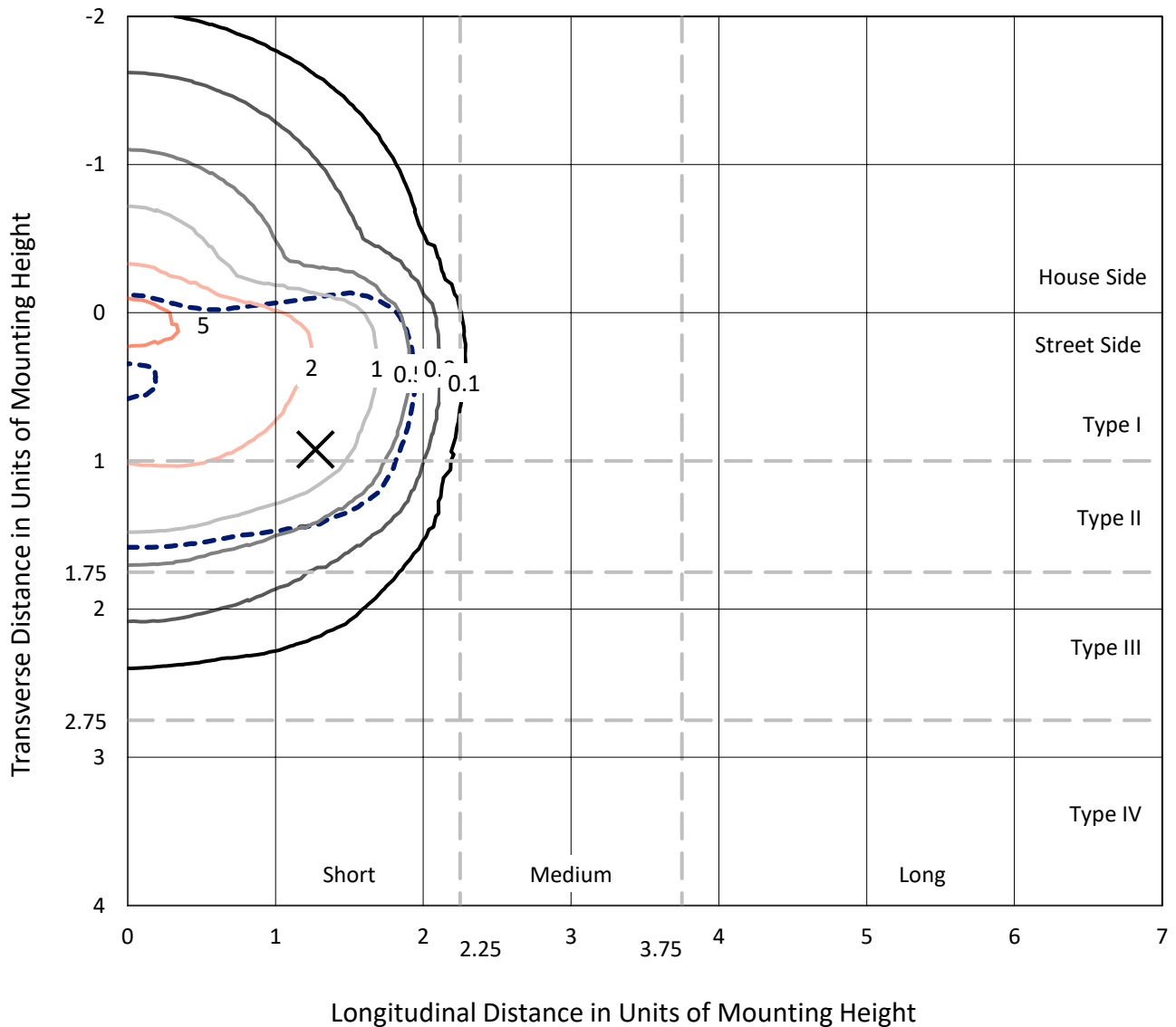
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527948
 CATALOG NUMBER: GALN-SA3A-730-U-SL3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

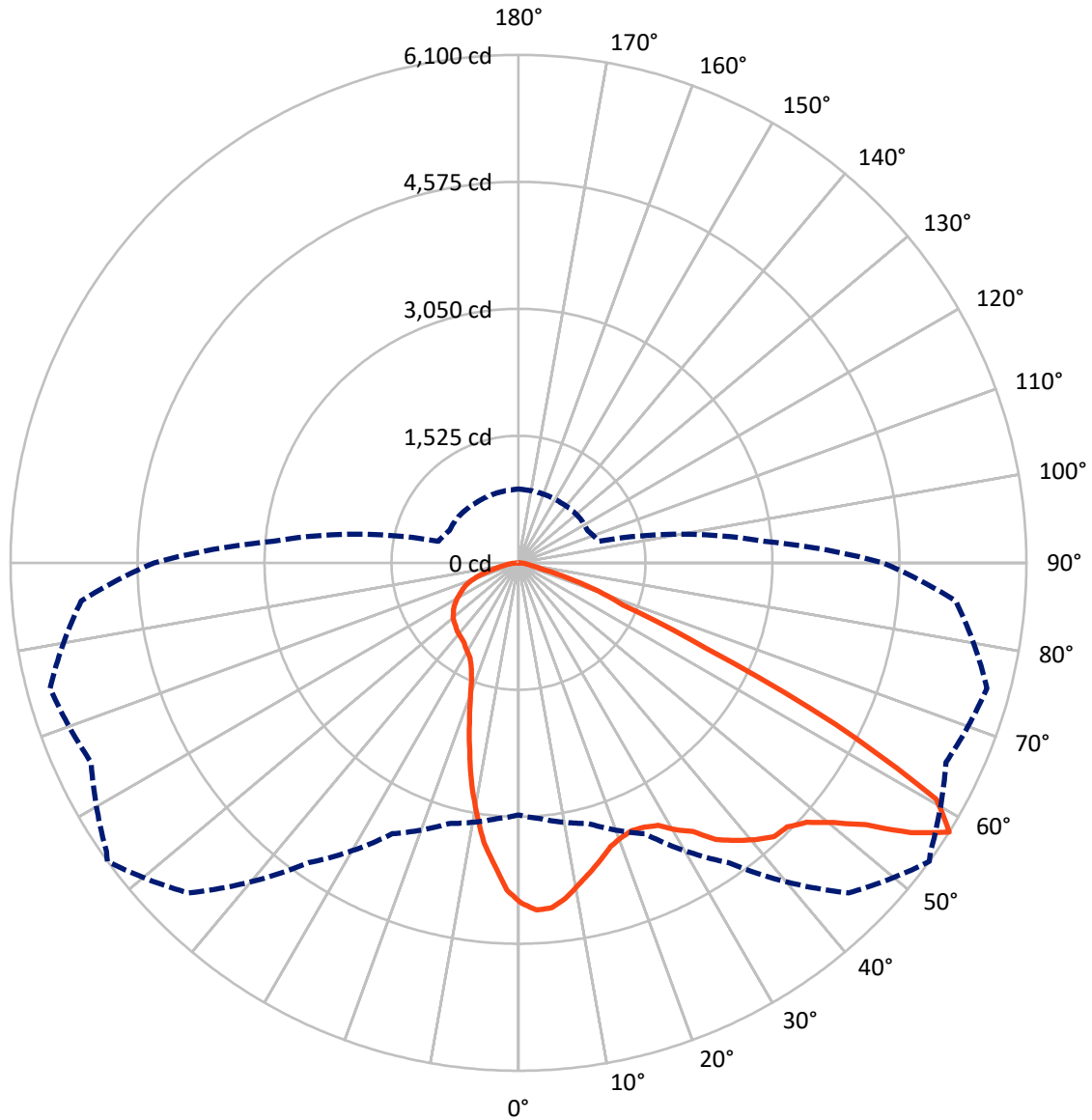
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Short - N/A

REPORT NUMBER: P527948
CATALOG NUMBER: GALN-SA3A-730-U-SL3-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P527948
 CATALOG NUMBER: GALN-SA3A-730-U-SL3-GRSWH

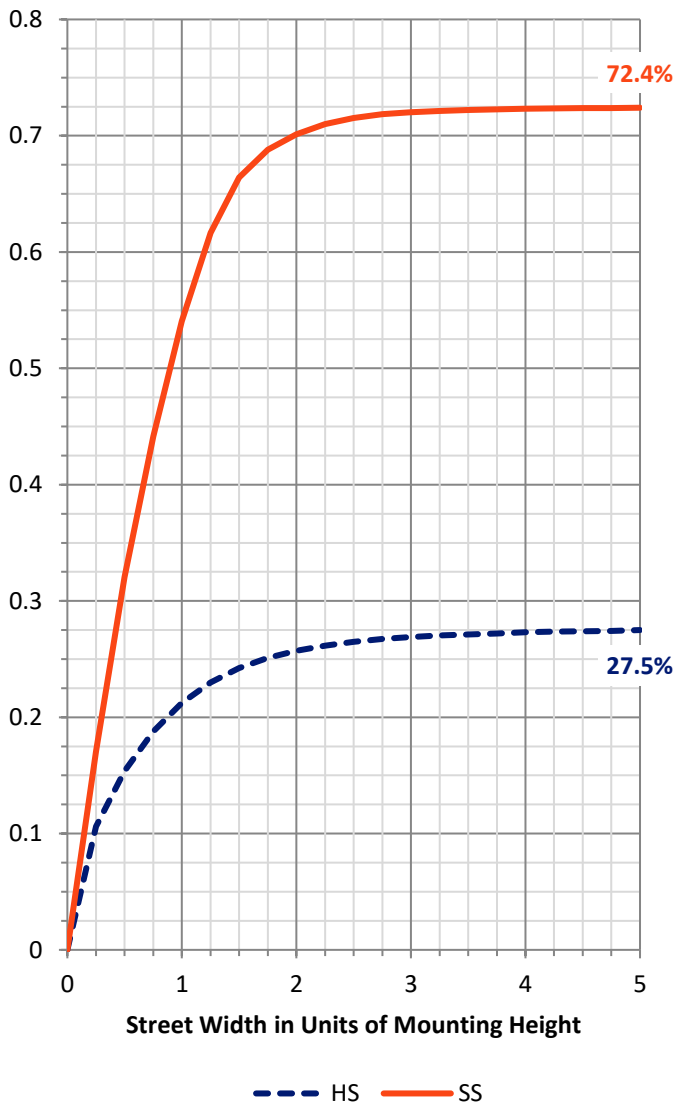
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2909.9	0.0	2909.9
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	7608.1	0.0	7608.1
	% Fixture	72.3	0.0	72.3
Total	Lumens	10518.0	0.0	10518.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.6	3.4
10°-20°	816.3	7.8
20°-30°	1147.0	10.9
30°-40°	1603.4	15.2
40°-50°	2170.8	20.6
50°-60°	2644.1	25.1
60°-70°	1377.2	13.1
70°-80°	352.9	3.4
80°-90°	53.8	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°	10518.0	100.0
0°-180°	10518.0	100.0

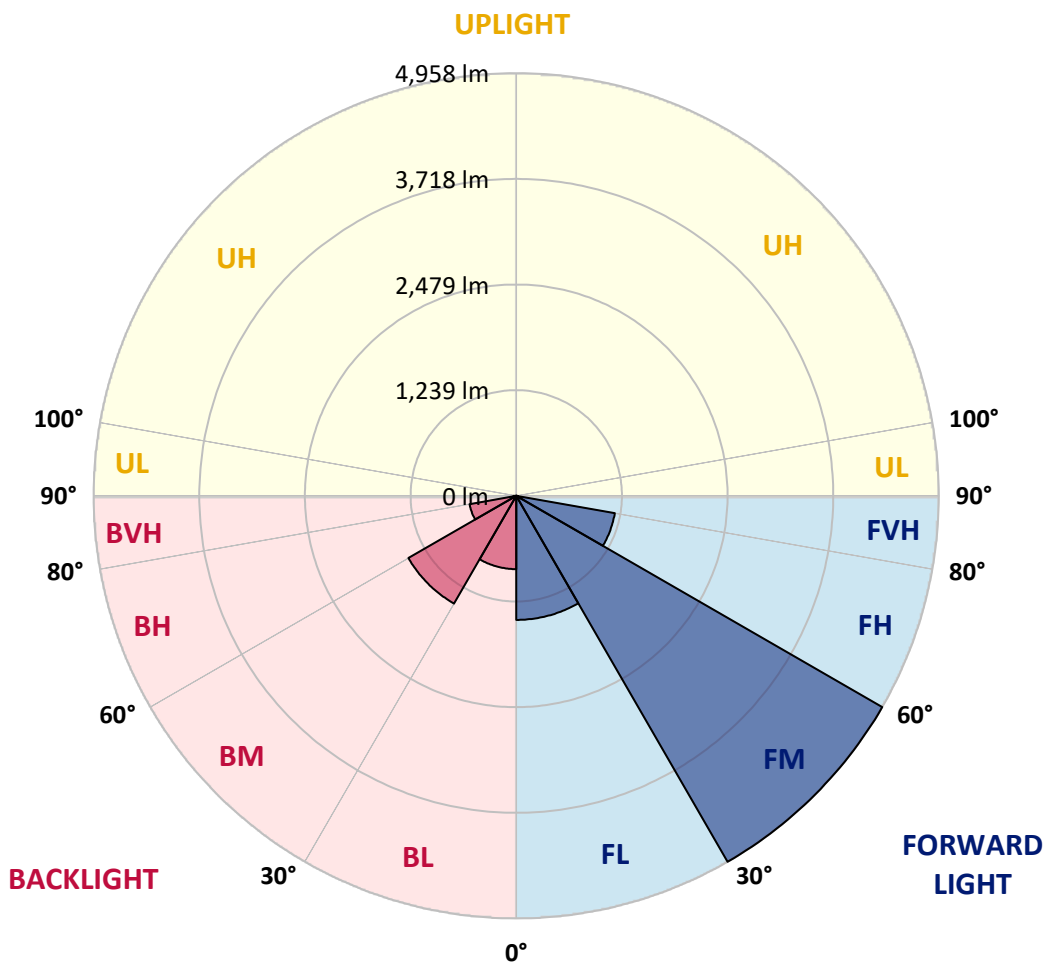


REPORT NUMBER: P527948
 CATALOG NUMBER: GALN-SA3A-730-U-SL3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1455.8	13.8			
FM (30°-60°)	4957.9	47.1			
FH (60°-80°)	1174.1	11.2			G1/1800
FVH (80°-90°)	20.3	0.2			G1/100
BL (0°-30°)	860.0	8.2	B2/1000		
BM (30°-60°)	1460.4	13.9	B2/2500		
BH (60°-80°)	555.9	5.3	B2/1000		G2/1000
BVH (80°-90°)	33.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Short





REPORT NUMBER: P527948

CATALOG NUMBER: GALN-SA3A-730-U-SL3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	4088.2	4088.2	4088.2	4088.2	4088.2	4088.2	4088.2	4088.2	4088.2	4088.2	4088.2
2.5°	4204.5	4188.3	4191.0	4212.6	4185.6	4174.7	4174.7	4122.0	4126.1	4089.6	4080.1
5°	4107.2	4069.3	4095.0	4127.4	4132.8	4143.7	4161.2	4147.7	4109.9	4070.7	4007.1
7.5°	3853.0	3886.8	3896.3	3919.2	3967.9	4012.5	4067.9	4030.1	4028.7	3989.5	3951.7
10°	3629.9	3609.6	3661.0	3694.8	3775.9	3850.3	3935.5	3931.4	3951.7	3907.1	3842.2
12.5°	3408.2	3392.0	3416.3	3493.4	3606.9	3715.1	3816.5	3778.6	3886.8	3878.7	3739.4
15°	3173.0	3185.1	3220.3	3291.9	3440.7	3570.4	3698.9	3700.2	3796.2	3828.7	3642.1
17.5°	3008.0	2994.5	3039.1	3145.9	3278.4	3433.9	3579.9	3609.6	3757.0	3775.9	3612.3
20°	2885.0	2903.9	2962.1	3016.1	3168.9	3356.8	3521.8	3532.6	3748.9	3800.3	3565.0
22.5°	2855.3	2844.5	2863.4	2951.3	3077.0	3281.1	3490.7	3531.2	3747.5	3792.2	3475.8
25°	2824.2	2859.3	2858.0	2945.8	3037.8	3220.3	3516.4	3561.0	3819.2	3834.1	3488.0
27.5°	2894.5	2890.4	2928.3	2935.0	3048.6	3236.5	3570.4	3604.2	3938.2	3926.0	3497.4
30°	2964.8	2944.5	2967.5	3047.2	3100.0	3329.8	3719.2	3716.4	4092.3	4084.2	3527.2
32.5°	3051.3	3041.8	3056.7	3127.0	3216.2	3454.2	3844.9	3924.6	4249.1	4300.5	3629.9
35°	3067.5	3106.7	3141.9	3236.5	3363.6	3655.6	4081.5	4147.7	4430.3	4591.1	3826.0
37.5°	3170.3	3185.1	3267.6	3435.2	3551.5	3924.6	4231.5	4273.4	4595.2	4777.7	4032.8
40°	3279.8	3297.3	3421.7	3597.5	3757.0	4100.4	4372.1	4385.6	4647.9	4921.0	4168.0
42.5°	3428.5	3444.7	3567.7	3788.1	4001.7	4250.5	4496.5	4511.4	4643.9	5085.9	4382.9
45°	3582.6	3621.8	3766.5	4016.6	4208.5	4426.2	4524.9	4585.7	4681.7	5233.3	4557.3
47.5°	3798.9	3835.4	3954.4	4199.1	4423.5	4580.3	4656.0	4715.5	4772.3	5361.7	4669.6
50°	4028.7	4035.5	4180.2	4401.9	4566.8	4754.7	4900.7	4921.0	4891.3	5510.5	4860.2
52.5°	4197.7	4219.4	4331.6	4547.9	4793.9	5025.1	5225.2	5246.8	5188.7	5565.9	4925.1
55°	3917.9	3905.7	4088.2	4376.2	4946.7	5428.0	5718.6	5734.9	5405.0	5737.6	5137.3
57.5°	3028.3	3086.4	3241.9	3589.4	4395.1	5606.4	6099.9	6041.8	5664.6	5824.1	5272.5
60°	2200.9	2187.4	2291.5	2524.0	3312.2	4831.8	5767.3	5826.8	5452.3	5249.5	4347.8
62.5°	1792.7	1773.7	1781.8	1790.0	2137.4	3206.8	4269.4	4268.0	4199.1	3773.2	2932.3
65°	1433.0	1477.7	1481.7	1542.5	1587.2	1915.7	2474.0	2606.5	2269.9	1861.6	1350.6
67.5°	1080.2	1064.0	1118.0	1334.4	1418.2	1383.0	1350.6	1365.4	970.7	700.3	659.7
70°	636.8	630.0	694.9	930.1	1168.1	1099.1	1018.0	1019.4	666.5	489.4	544.8
72.5°	348.8	347.4	361.0	471.8	663.8	689.5	611.1	630.0	397.5	396.1	425.9
75°	194.7	190.6	186.6	208.2	239.3	252.8	258.2	260.9	273.1	305.5	317.7
77.5°	71.7	68.9	68.9	79.8	101.4	127.1	160.9	163.6	193.3	221.7	233.9
80°	24.3	27.0	36.5	50.0	67.6	90.6	109.5	112.2	136.5	155.5	159.5
82.5°	14.9	16.2	24.3	35.2	48.7	63.5	81.1	82.5	101.4	113.6	119.0
85°	6.8	8.1	13.5	21.6	31.1	41.9	43.3	43.3	41.9	43.3	40.6
87.5°	0.0	0.0	2.7	2.7	2.7	4.1	5.4	4.1	6.8	8.1	8.1
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: P527948

CATALOG NUMBER: GALN-SA3A-730-U-SL3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4088.2	4088.2	4088.2	4088.2	4088.2	4088.2	4088.2	4088.2	4088.2	4088.2	4088.2
2.5°	4051.7	4036.9	3990.9	3950.3	3938.2	3884.1	3804.3	3813.8	3755.7	3782.7	3754.3
5°	3996.3	3946.3	3828.7	3778.6	3647.5	3588.0	3547.5	3446.1	3398.7	3389.3	3348.7
7.5°	3854.3	3823.2	3675.9	3540.7	3401.4	3282.5	3129.7	3025.6	2951.3	2931.0	2871.5
10°	3742.1	3673.2	3469.0	3263.6	3064.8	2858.0	2659.2	2503.8	2428.1	2340.2	2310.4
12.5°	3631.3	3527.2	3251.4	2987.8	2730.9	2470.0	2229.3	2040.1	1875.1	1835.9	1822.4
15°	3562.3	3381.2	3056.7	2739.0	2374.0	2033.3	1792.7	1668.3	1566.9	1525.0	1554.7
17.5°	3471.7	3260.8	2870.1	2447.0	2045.5	1731.8	1530.4	1453.3	1416.8	1420.9	1408.7
20°	3358.2	3147.3	2625.4	2182.0	1752.1	1502.0	1387.1	1358.7	1364.1	1373.6	1369.5
22.5°	3277.1	3009.4	2448.3	1911.6	1514.2	1374.9	1327.6	1307.3	1324.9	1333.0	1326.2
25°	3214.9	2891.8	2233.4	1672.3	1376.3	1303.3	1281.6	1280.3	1307.3	1318.1	1311.4
27.5°	3158.1	2782.3	2019.8	1489.8	1284.3	1247.8	1241.1	1257.3	1274.9	1285.7	1295.1
30°	3124.3	2698.4	1819.7	1337.1	1238.4	1220.8	1208.6	1223.5	1233.0	1243.8	1238.4
32.5°	3156.7	2639.0	1626.4	1250.5	1200.5	1182.9	1199.2	1189.7	1205.9	1215.4	1200.5
35°	3258.1	2586.2	1488.5	1204.6	1157.2	1164.0	1166.7	1162.7	1169.4	1161.3	1178.9
37.5°	3358.2	2567.3	1361.4	1165.4	1137.0	1137.0	1134.3	1126.2	1139.7	1137.0	1145.1
40°	3485.3	2579.5	1253.2	1123.5	1118.0	1115.3	1104.5	1103.2	1097.8	1099.1	1101.8
42.5°	3596.1	2606.5	1191.0	1096.4	1100.5	1105.9	1085.6	1069.4	1076.1	1062.6	1062.6
45°	3713.7	2630.8	1135.6	1077.5	1073.4	1072.1	1055.9	1046.4	1041.0	1042.3	1054.5
47.5°	3899.0	2666.0	1093.7	1051.8	1054.5	1034.2	1030.2	1018.0	1023.4	1031.5	1032.9
50°	4030.1	2740.4	1061.3	1022.1	1031.5	1018.0	993.7	988.3	988.3	1001.8	999.1
52.5°	4122.0	2844.5	1030.2	989.6	993.7	982.9	974.7	962.6	954.5	973.4	982.9
55°	4403.2	3017.5	1022.1	962.6	961.2	950.4	935.5	923.4	919.3	922.0	940.9
57.5°	4376.2	2963.4	996.4	915.3	912.6	897.7	882.8	878.8	877.4	880.1	885.5
60°	3552.9	2188.8	889.6	861.2	857.1	854.4	839.5	823.3	815.2	823.3	816.6
62.5°	2351.0	1465.5	784.1	796.3	799.0	792.2	767.9	751.7	754.4	763.8	749.0
65°	1154.5	861.2	711.1	743.6	746.3	727.3	704.4	685.4	676.0	684.1	677.3
67.5°	659.7	658.4	651.6	685.4	684.1	665.1	628.6	612.4	596.2	598.9	594.8
70°	559.7	570.5	584.0	604.3	603.0	581.3	538.1	525.9	502.9	500.2	493.5
72.5°	440.7	459.7	489.4	504.3	492.1	465.1	436.7	416.4	396.1	383.9	388.0
75°	327.2	354.2	370.4	379.9	361.0	346.1	323.1	298.8	274.4	263.6	259.6
77.5°	237.9	246.1	260.9	267.7	255.5	240.6	227.1	202.8	179.8	164.9	160.9
80°	166.3	171.7	182.5	182.5	182.5	175.8	158.2	133.8	119.0	105.5	102.7
82.5°	116.3	121.7	132.5	127.1	125.7	117.6	106.8	87.9	71.7	62.2	59.5
85°	40.6	44.6	54.1	64.9	68.9	67.6	60.8	48.7	37.9	31.1	28.4
87.5°	9.5	9.5	10.8	9.5	9.5	10.8	9.5	9.5	9.5	6.8	5.4
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)