

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: P530793

Luminaire Tested: **GALN-SA6A-735-U-T3R-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-11)
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-T3R-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15363 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

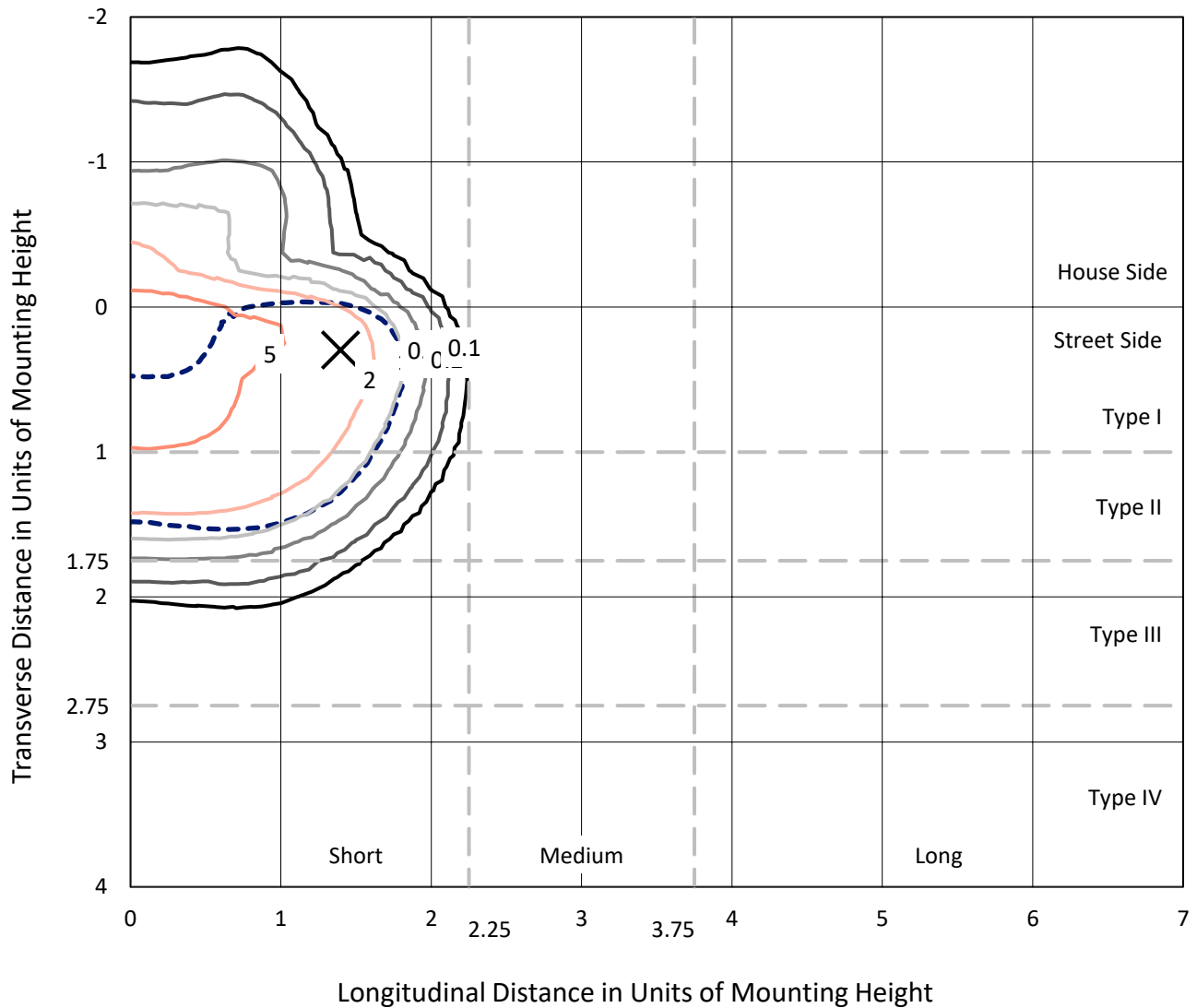
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530793
 CATALOG NUMBER: GALN-SA6A-735-U-T3R-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

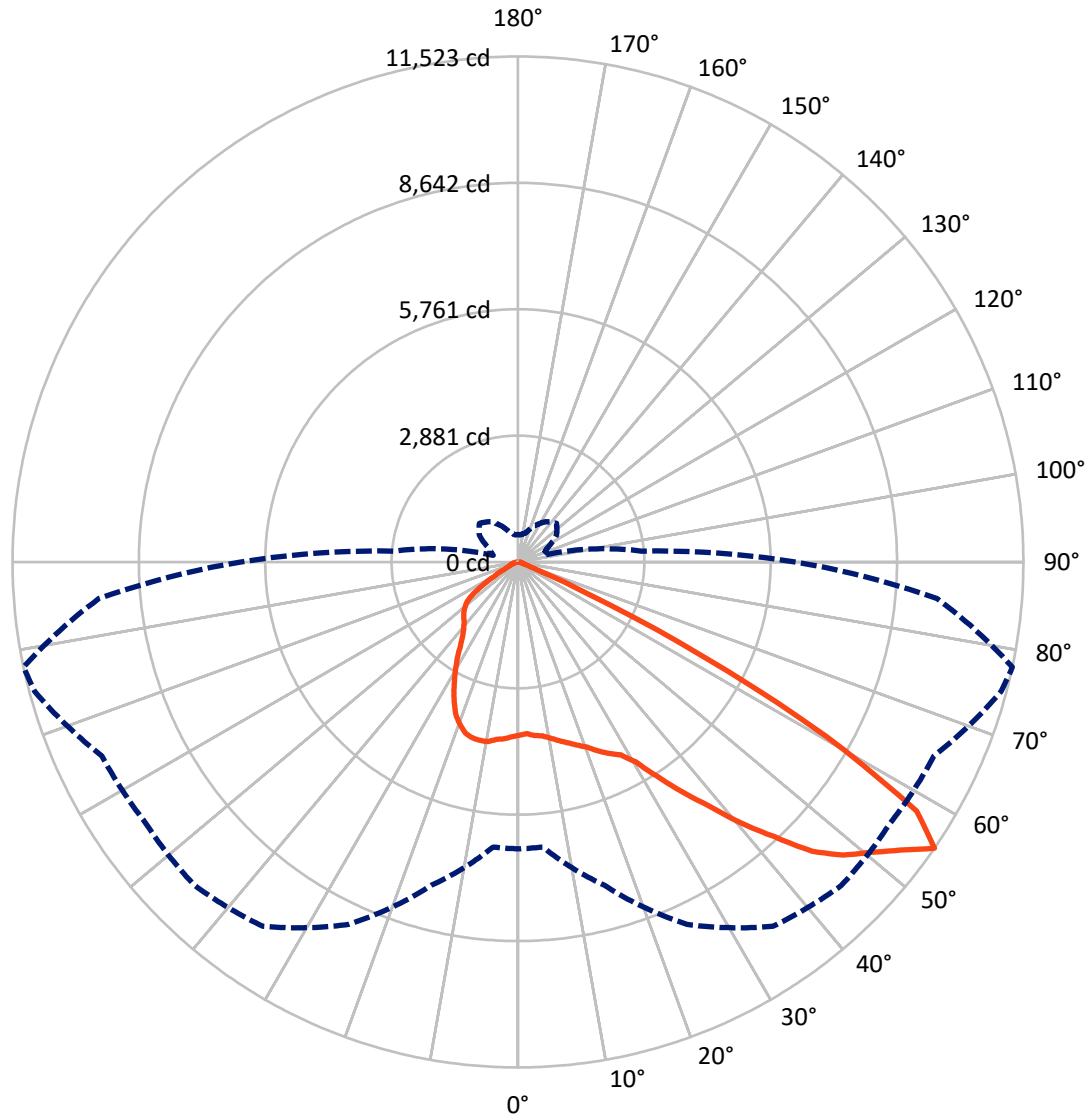
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Short - N/A

REPORT NUMBER: P530793
CATALOG NUMBER: GALN-SA6A-735-U-T3R-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P530793

CATALOG NUMBER: GALN-SA6A-735-U-T3R-GRSBK

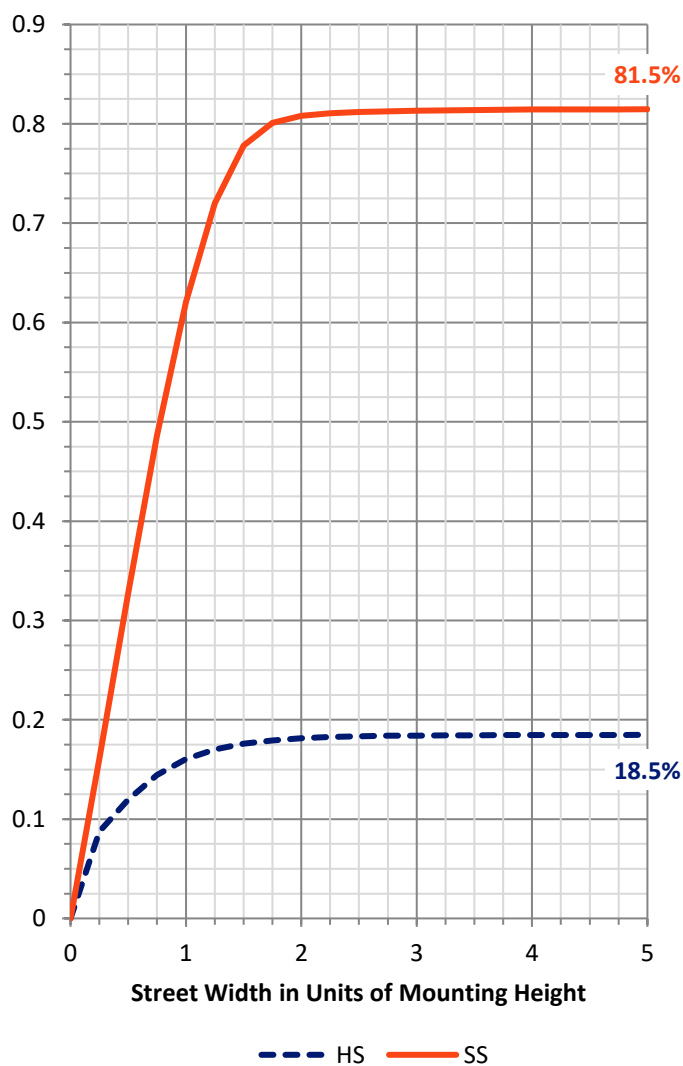
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2853.5	0.0	2853.5
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	12509.5	0.0	12509.5
	% Fixture	81.4	0.0	81.4
Total	Lumens	15363.0	0.0	15363.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.2	2.3
10°-20°	932.1	6.1
20°-30°	1633.8	10.6
30°-40°	2693.9	17.5
40°-50°	3920.0	25.5
50°-60°	4441.8	28.9
60°-70°	1270.0	8.3
70°-80°	98.6	0.6
80°-90°	20.5	0.1
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°	15363.0	100.0
0°-180°	15363.0	100.0

Coefficient of Utilization



REPORT NUMBER: P530793

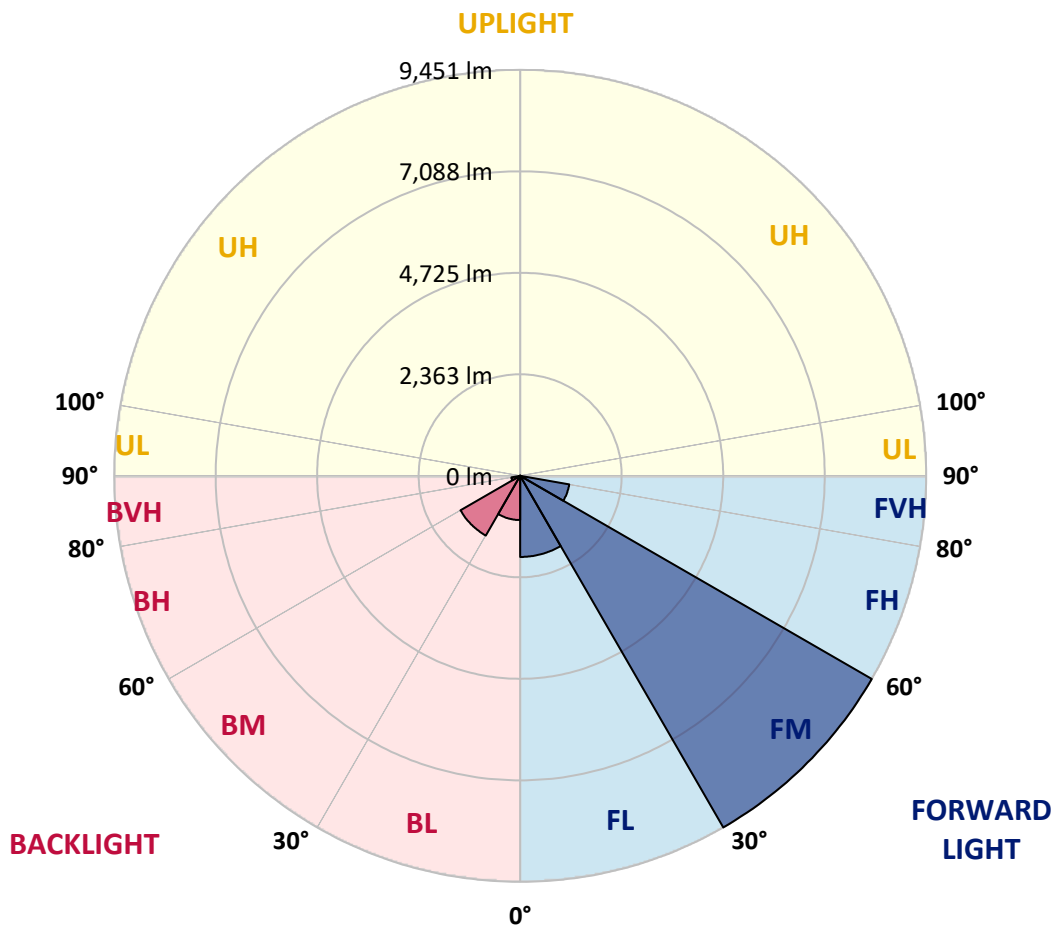
CATALOG NUMBER: GALN-SA6A-735-U-T3R-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1888.6	12.3			
FM (30°-60°)	9450.6	61.5			
FH (60°-80°)	1160.3	7.6			G1/1800
FVH (80°-90°)	10.0	0.1			G0/10
BL (0°-30°)	1029.6	6.7	B3/2500		
BM (30°-60°)	1605.1	10.4	B2/2500		
BH (60°-80°)	208.3	1.4	B1/500		G1/500
BVH (80°-90°)	10.5	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-G1

Type II Short





REPORT NUMBER: P530793

CATALOG NUMBER: GALN-SA6A-735-U-T3R-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	3949.8	3949.8	3949.8	3949.8	3949.8	3949.8	3949.8	3949.8	3949.8	3949.8	3949.8
2.5°	3713.6	3749.3	3754.8	3798.8	3796.0	3870.2	3892.2	3894.9	3944.3	3919.6	3982.8
5°	3609.2	3590.0	3581.8	3658.7	3680.7	3746.6	3801.5	3834.5	3936.1	3971.8	4037.7
7.5°	3515.8	3515.8	3521.3	3590.0	3581.8	3666.9	3724.6	3826.2	3974.6	4004.8	4084.4
10°	3425.2	3392.2	3433.4	3504.9	3565.3	3603.7	3724.6	3820.7	3993.8	4081.7	4191.6
12.5°	3378.5	3395.0	3400.5	3452.7	3518.6	3634.0	3699.9	3859.2	4131.1	4183.3	4301.4
15°	3672.4	3639.5	3559.8	3513.1	3568.0	3623.0	3787.8	3949.8	4202.5	4276.7	4408.5
17.5°	4013.0	3985.5	3919.6	3793.3	3669.7	3771.3	3900.4	4048.7	4279.4	4389.3	4584.3
20°	4458.0	4414.0	4348.1	4100.9	3993.8	3883.9	4021.3	4197.0	4405.8	4504.7	4705.2
22.5°	4988.1	4988.1	4839.8	4540.4	4317.9	4213.5	4271.2	4372.8	4545.9	4680.5	4878.2
25°	5540.2	5523.7	5389.1	5078.8	4702.4	4578.8	4644.8	4716.2	4762.9	4837.0	4968.9
27.5°	6172.0	6075.8	5905.5	5562.2	5229.8	4990.9	5062.3	4999.1	4941.4	4979.9	5169.4
30°	6600.5	6660.9	6443.9	6114.3	5801.2	5534.7	5548.4	5493.5	5229.8	5284.8	5397.4
32.5°	7045.4	7083.9	6963.0	6781.7	6468.6	6158.2	6045.6	5998.9	5801.2	5825.9	5716.0
35°	7416.2	7490.4	7383.3	7303.6	7213.0	6963.0	6652.6	6803.7	6485.1	6424.7	6139.0
37.5°	7756.8	7734.9	7861.2	7778.8	7759.6	7583.8	7243.2	7273.4	7059.2	7045.4	6715.8
40°	8061.7	8067.2	8240.3	8278.7	8201.8	7888.7	7394.3	7633.2	7806.3	7822.8	7399.8
42.5°	8314.4	8388.6	8536.9	8847.3	8731.9	8210.1	7550.8	7811.8	8454.5	8556.1	8048.0
45°	8534.2	8685.2	8869.3	9146.7	9080.8	8666.0	7940.9	8179.8	9146.7	9413.1	8657.8
47.5°	8547.9	8745.7	8946.2	9358.2	9440.6	8910.5	8344.6	8762.2	9696.1	9984.5	9102.8
50°	8493.0	8597.3	8998.4	9446.1	9632.9	9308.8	8910.5	9251.1	10228.9	10410.2	9328.0
52.5°	7842.0	7921.6	8726.4	9528.5	9979.0	9759.2	9660.3	9932.3	10772.8	10907.4	9539.5
55°	6537.3	6523.5	7630.5	9113.7	10138.3	10426.7	10366.3	10462.4	11401.8	11522.6	9591.7
57.5°	4471.7	4721.7	5677.5	7589.3	9163.2	10270.1	10333.3	10174.0	10668.4	10715.1	8361.1
60°	2411.7	2516.0	3285.1	5065.0	6976.8	8369.4	8534.2	8245.8	8207.3	8075.5	5968.7
62.5°	958.6	1010.8	1447.5	2507.8	3801.5	5087.0	5441.3	5323.2	5070.5	4724.4	3090.1
65°	456.0	488.9	719.7	1172.9	1686.5	2120.5	2474.8	2584.7	1906.2	1716.7	1019.0
67.5°	310.4	335.1	524.6	670.2	601.5	629.0	818.5	760.9	447.7	381.8	282.9
70°	236.2	252.7	420.3	456.0	269.2	189.5	211.5	197.8	184.0	186.8	184.0
72.5°	167.6	181.3	307.6	269.2	118.1	87.9	112.6	134.6	134.6	134.6	131.8
75°	101.6	115.4	178.5	104.4	46.7	46.7	71.4	90.6	96.1	98.9	93.4
77.5°	52.2	65.9	60.4	30.2	30.2	35.7	52.2	63.2	68.7	68.7	65.9
80°	11.0	11.0	11.0	16.5	30.2	38.5	52.2	57.7	65.9	65.9	60.4
82.5°	0.0	2.7	8.2	16.5	27.5	35.7	49.4	57.7	65.9	68.7	63.2
85°	0.0	2.7	5.5	11.0	19.2	22.0	19.2	16.5	16.5	16.5	16.5
87.5°	0.0	0.0	2.7	2.7	2.7	5.5	5.5	5.5	5.5	5.5	5.5
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: P530793

CATALOG NUMBER: GALN-SA6A-735-U-T3R-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3949.8	3949.8	3949.8	3949.8	3949.8	3949.8	3949.8	3949.8	3949.8	3949.8	3949.8
2.5°	3988.3	3996.5	3982.8	3980.1	3969.1	4002.0	3922.4	3903.1	3952.6	3905.9	3916.9
5°	4040.5	4059.7	4035.0	3993.8	3933.4	3840.0	3760.3	3655.9	3606.5	3570.8	3565.3
7.5°	4078.9	4092.7	4067.9	3936.1	3754.8	3518.6	3342.8	3213.7	3112.1	3081.9	3032.4
10°	4235.5	4238.2	4114.6	3823.5	3469.2	3158.8	2889.6	2691.8	2590.2	2527.0	2499.5
12.5°	4339.9	4334.4	4084.4	3601.0	3128.6	2716.5	2408.9	2169.9	2076.5	2046.3	2027.1
15°	4471.7	4441.5	4013.0	3373.0	2689.1	2244.1	1966.7	1801.9	1793.6	1774.4	1793.6
17.5°	4576.1	4490.9	3908.6	2958.3	2268.8	1848.6	1667.3	1678.3	1700.2	1719.5	1722.2
20°	4746.4	4570.6	3669.7	2595.7	1878.8	1584.9	1582.1	1631.6	1686.5	1708.5	1730.5
22.5°	4875.5	4603.6	3414.2	2208.4	1560.2	1477.8	1524.5	1598.6	1639.8	1661.8	1694.7
25°	4922.2	4512.9	3073.6	1821.1	1406.3	1428.3	1499.7	1549.2	1601.4	1626.1	1612.3
27.5°	4968.9	4466.2	2667.1	1499.7	1323.9	1395.4	1455.8	1505.2	1521.7	1554.7	1576.6
30°	5081.5	4304.2	2301.8	1296.5	1282.7	1373.4	1417.3	1433.8	1477.8	1497.0	1497.0
32.5°	5172.1	4241.0	1914.5	1200.3	1277.2	1384.4	1389.9	1389.9	1395.4	1381.6	1376.1
35°	5358.9	4024.0	1568.4	1142.7	1274.5	1387.1	1400.8	1354.2	1227.8	1178.4	1164.6
37.5°	5589.7	3883.9	1312.9	1128.9	1293.7	1420.1	1442.0	1266.3	1101.4	1021.8	1008.1
40°	5869.8	3785.0	1145.4	1123.4	1337.7	1497.0	1431.1	1197.6	983.3	868.0	862.5
42.5°	6196.7	3694.4	1032.8	1120.7	1392.6	1576.6	1420.1	1139.9	862.5	785.6	796.6
45°	6457.6	3644.9	955.9	1101.4	1411.8	1623.3	1428.3	1038.3	813.0	763.6	769.1
47.5°	6660.9	3540.6	892.7	1068.5	1409.1	1639.8	1354.2	997.1	788.3	802.1	815.8
50°	6666.4	3400.5	813.0	997.1	1367.9	1609.6	1269.0	958.6	782.8	840.5	868.0
52.5°	6592.2	3202.7	727.9	895.4	1271.7	1505.2	1192.1	942.1	758.1	752.6	785.6
55°	6328.5	2831.9	585.1	725.1	1074.0	1241.5	1123.4	911.9	683.9	620.8	626.3
57.5°	5114.5	2029.9	431.2	519.1	760.9	909.2	1013.6	898.2	615.3	527.4	530.1
60°	3167.0	1150.9	315.9	354.3	469.7	552.1	821.3	835.0	549.4	445.0	439.5
62.5°	1626.1	568.6	244.5	250.0	288.4	324.1	563.1	700.4	497.2	423.0	423.0
65°	543.9	280.2	214.2	192.3	192.3	200.5	340.6	486.2	420.3	354.3	354.3
67.5°	233.5	208.8	186.8	167.6	153.8	145.6	192.3	282.9	313.1	269.2	258.2
70°	181.3	175.8	162.1	140.1	120.9	109.9	112.6	145.6	178.5	173.0	167.6
72.5°	134.6	134.6	129.1	109.9	93.4	79.7	74.2	76.9	85.1	87.9	90.6
75°	93.4	96.1	96.1	85.1	68.7	57.7	49.4	41.2	33.0	27.5	24.7
77.5°	63.2	65.9	71.4	63.2	52.2	38.5	30.2	22.0	13.7	5.5	5.5
80°	54.9	63.2	68.7	63.2	54.9	41.2	30.2	16.5	8.2	0.0	0.0
82.5°	57.7	63.2	71.4	60.4	52.2	38.5	30.2	19.2	8.2	2.7	0.0
85°	13.7	13.7	16.5	19.2	24.7	27.5	22.0	13.7	8.2	2.7	0.0
87.5°	5.5	5.5	5.5	5.5	5.5	2.7	2.7	2.7	2.7	0.0	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)