

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: P528685

Luminaire Tested: **GALN-SA3D-735-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3D-735-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12847 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

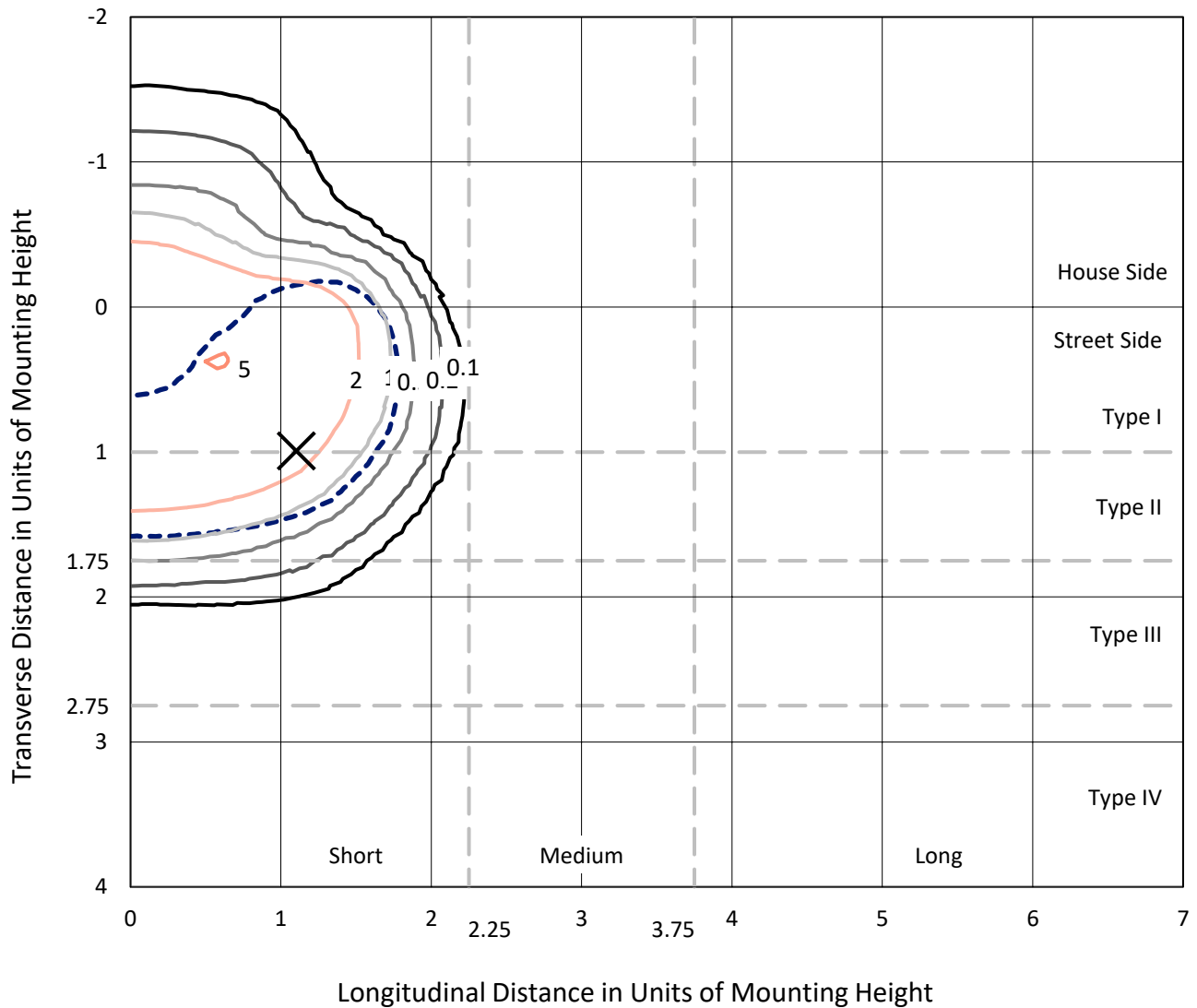
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528685
 CATALOG NUMBER: GALN-SA3D-735-U-T3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

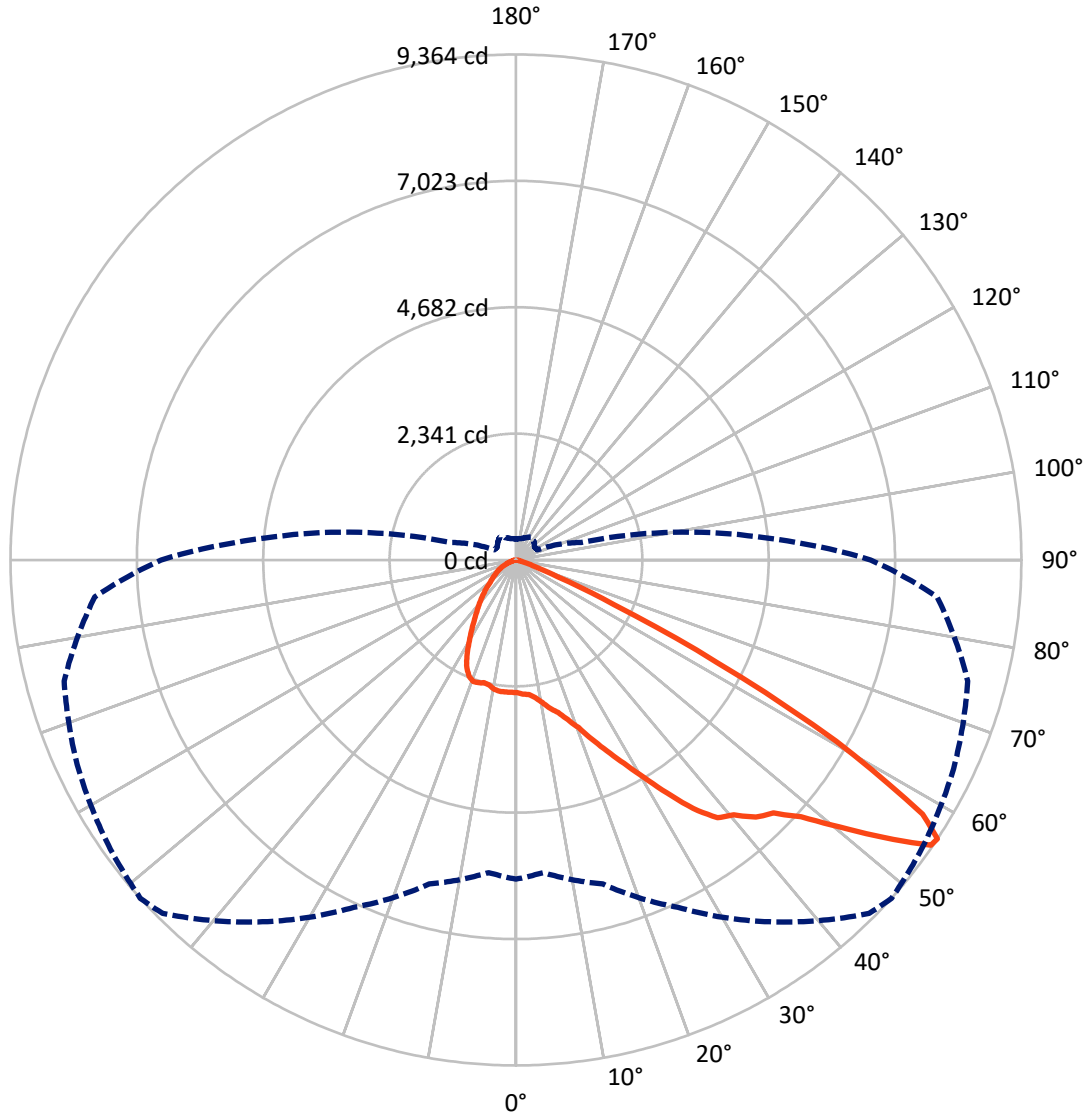
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type II - Short - N/A

REPORT NUMBER: P528685
CATALOG NUMBER: GALN-SA3D-735-U-T3-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P528685
 CATALOG NUMBER: GALN-SA3D-735-U-T3-GRSBK

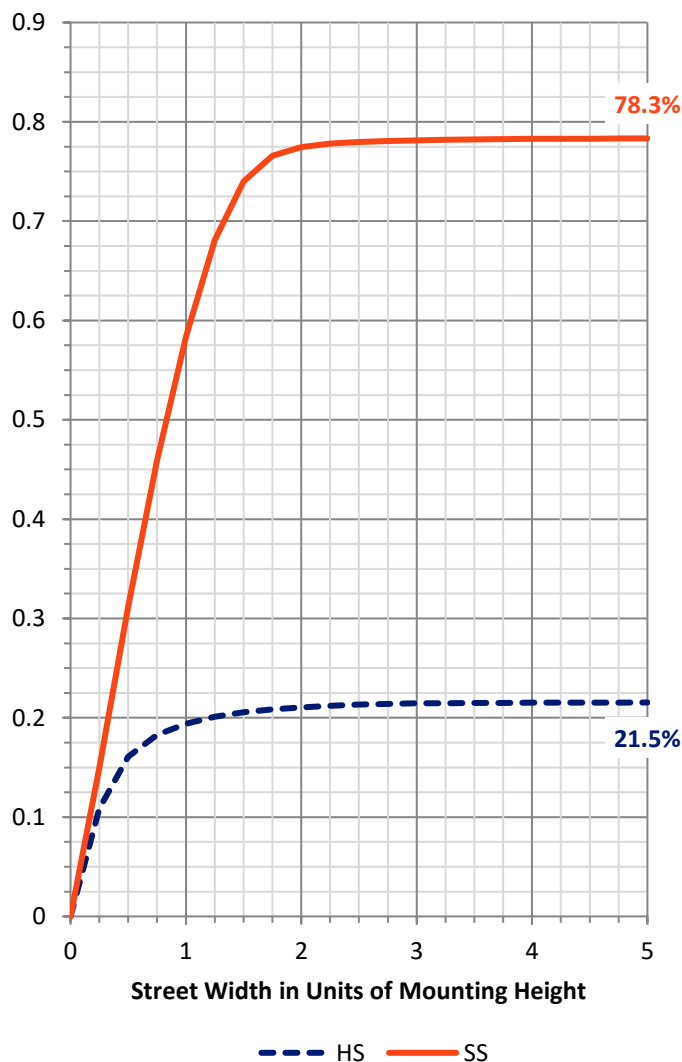
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2794.0	0.0	2794.0
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	10053.0	0.0	10053.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	12847.0	0.0	12847.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.0	1.9
10°-20°	763.9	5.9
20°-30°	1385.5	10.8
30°-40°	2176.4	16.9
40°-50°	3175.0	24.7
50°-60°	3825.2	29.8
60°-70°	1120.0	8.7
70°-80°	142.1	1.1
80°-90°	19.9	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°	12847.0	100.0
0°-180°	12847.0	100.0

Coefficient of Utilization

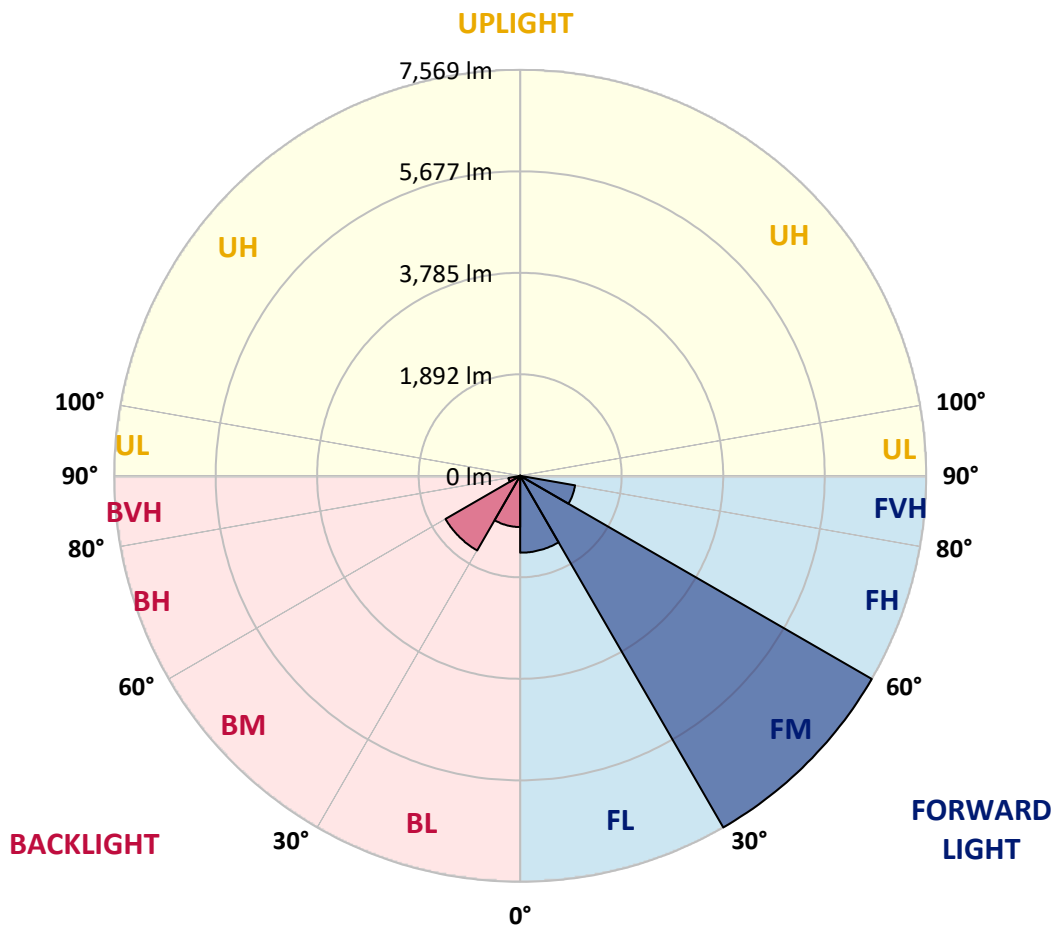


REPORT NUMBER: P528685
 CATALOG NUMBER: GALN-SA3D-735-U-T3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1433.5	11.2			
FM (30°-60°)	7569.5	58.9			
FH (60°-80°)	1040.1	8.1			G1/1800
FVH (80°-90°)	10.0	0.1			G0/10
BL (0°-30°)	955.0	7.4	B2/1000		
BM (30°-60°)	1607.1	12.5	B2/2500		
BH (60°-80°)	222.0	1.7	B1/500		G1/500
BVH (80°-90°)	9.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





REPORT NUMBER: P528685

CATALOG NUMBER: GALN-SA3D-735-U-T3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	2453.8	2453.8	2453.8	2453.8	2453.8	2453.8	2453.8	2453.8	2453.8	2453.8	2453.8
2.5°	2498.2	2486.5	2486.5	2467.8	2488.9	2479.5	2486.5	2463.1	2486.5	2451.4	2479.5
5°	2509.9	2512.3	2502.9	2514.6	2514.6	2528.6	2505.2	2526.3	2538.0	2512.3	2500.6
7.5°	2570.7	2575.4	2573.1	2563.7	2582.4	2580.1	2577.8	2561.4	2566.1	2556.7	2542.7
10°	2690.0	2687.7	2699.4	2676.0	2662.0	2678.3	2683.0	2657.3	2638.6	2631.6	2587.1
12.5°	2863.1	2835.1	2818.7	2795.3	2802.3	2778.9	2821.0	2776.6	2767.2	2725.1	2680.7
15°	3003.5	2998.8	3001.1	2963.7	2921.6	2931.0	2931.0	2907.6	2893.5	2842.1	2778.9
17.5°	3291.2	3193.0	3214.0	3167.2	3132.1	3129.8	3108.7	3113.4	3076.0	2968.4	2872.5
20°	3515.8	3473.7	3440.9	3361.4	3307.6	3324.0	3314.6	3291.2	3279.5	3139.2	3003.5
22.5°	3716.9	3731.0	3677.2	3656.1	3581.3	3588.3	3607.0	3585.9	3497.0	3352.0	3150.9
25°	4000.0	3983.6	3911.1	3885.4	3815.2	3840.9	3913.4	3897.0	3840.9	3578.9	3265.5
27.5°	4334.5	4278.3	4292.4	4175.4	4107.6	4180.1	4266.6	4348.5	4189.4	3845.6	3401.1
30°	4570.7	4512.2	4507.6	4502.9	4486.5	4570.7	4671.3	4746.2	4617.5	4112.2	3625.7
32.5°	4687.7	4701.7	4741.5	4727.4	4870.1	5043.2	5148.5	5256.1	5094.7	4547.3	3922.8
35°	4998.8	4909.9	4998.8	5008.1	5155.5	5522.8	5656.1	5913.4	5873.6	5162.5	4285.3
37.5°	5181.2	5174.2	5185.9	5274.8	5417.5	5871.3	6060.8	6259.6	6184.7	5532.1	4736.8
40°	5483.0	5501.7	5499.4	5567.2	5723.9	6133.3	6210.5	6371.9	6378.9	6044.4	5401.1
42.5°	5967.2	5892.4	5843.2	5913.4	6133.3	6360.2	6514.6	6481.8	6713.4	6666.6	6254.9
45°	6402.3	6446.7	6374.2	6491.2	6570.7	6692.3	6687.7	6757.8	7052.6	7274.8	6898.2
47.5°	6809.3	6837.4	6872.5	6952.0	7125.1	7143.8	7104.0	7073.6	7480.6	7709.9	7396.4
50°	7052.6	7078.3	7242.1	7384.7	7707.5	7749.6	7773.0	7695.8	7971.9	7997.6	7866.6
52.5°	6987.1	7015.2	7244.4	7714.6	8229.2	8615.1	8545.0	8414.0	8397.6	8498.2	8301.7
55°	6407.0	6381.2	6697.0	7429.2	8392.9	9319.2	9328.6	9190.6	8926.2	8858.4	8236.2
56°	5913.4	5812.8	6215.2	7099.4	8182.4	9258.4	9363.7	9216.3	8968.4	8664.3	7831.5
57.5°	4844.4	4940.3	5340.3	6072.5	7454.9	8821.0	8881.8	8846.7	8659.6	8149.6	6891.2
60°	2671.3	2839.7	3193.0	4088.9	5307.6	6769.5	6818.7	7104.0	7139.1	6240.9	4741.5
62.5°	1134.5	1115.8	1483.0	2142.7	3022.2	4086.5	4177.7	4470.1	4523.9	3597.6	2378.9
65°	460.8	486.5	671.3	1078.4	1597.6	1862.0	1990.6	2086.5	2264.3	1485.4	877.2
67.5°	304.1	301.8	395.3	615.2	860.8	830.4	830.4	877.2	811.7	605.8	378.9
70°	217.5	224.6	283.0	425.7	535.7	397.7	381.3	364.9	414.0	400.0	306.4
72.5°	142.7	152.0	189.5	255.0	278.4	217.5	217.5	262.0	341.5	322.8	250.3
75°	93.6	95.9	117.0	147.4	138.0	112.3	124.0	175.4	248.0	238.6	177.8
77.5°	63.2	65.5	79.5	95.9	77.2	63.2	67.8	88.9	121.6	121.6	93.6
80°	23.4	25.7	32.7	30.4	35.1	44.4	49.1	60.8	72.5	72.5	63.2
82.5°	0.0	2.3	7.0	16.4	25.7	35.1	39.8	46.8	53.8	60.8	58.5
85°	0.0	2.3	7.0	11.7	18.7	21.1	23.4	16.4	14.0	14.0	11.7
87.5°	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	4.7	2.3	2.3
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: P528685

CATALOG NUMBER: GALN-SA3D-735-U-T3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2453.8	2453.8	2453.8	2453.8	2453.8	2453.8	2453.8	2453.8	2453.8	2453.8	2453.8
2.5°	2453.8	2451.4	2451.4	2444.4	2458.5	2451.4	2456.1	2453.8	2423.4	2446.8	2430.4
5°	2479.5	2495.9	2470.2	2465.5	2446.8	2453.8	2453.8	2430.4	2451.4	2449.1	2444.4
7.5°	2545.0	2516.9	2488.9	2460.8	2456.1	2449.1	2423.4	2414.0	2430.4	2411.7	2439.7
10°	2573.1	2577.8	2535.7	2498.2	2463.1	2414.0	2378.9	2357.9	2332.1	2360.2	2376.6
12.5°	2701.7	2655.0	2582.4	2524.0	2404.7	2355.5	2320.5	2311.1	2355.5	2364.9	2348.5
15°	2746.2	2739.2	2645.6	2514.6	2390.6	2332.1	2339.2	2320.5	2325.1	2301.7	2306.4
17.5°	2837.4	2757.9	2647.9	2484.2	2388.3	2374.3	2332.1	2257.3	2215.2	2196.5	2212.8
20°	2938.0	2860.8	2701.7	2495.9	2409.3	2371.9	2233.9	2142.7	2056.1	2009.3	2011.7
22.5°	3026.9	2931.0	2678.3	2500.6	2428.1	2273.7	2107.6	1927.5	1819.9	1747.4	1749.7
25°	3134.5	2998.8	2687.7	2509.9	2378.9	2116.9	1878.3	1702.9	1574.3	1525.1	1541.5
27.5°	3195.3	3040.9	2739.2	2531.0	2250.3	1894.7	1637.4	1473.7	1398.8	1375.4	1373.1
30°	3377.8	3134.5	2802.3	2488.9	2035.1	1656.1	1417.5	1316.9	1244.4	1223.4	1228.1
32.5°	3649.1	3305.2	2884.2	2378.9	1815.2	1443.3	1274.8	1200.0	1132.2	1092.4	1087.7
35°	3876.0	3597.6	2970.7	2208.2	1560.2	1279.5	1174.3	1080.7	977.8	933.3	921.6
37.5°	4308.7	3927.5	2952.0	1950.9	1316.9	1157.9	1066.7	952.0	863.2	802.3	795.3
40°	4884.2	4313.4	2860.8	1637.4	1136.8	1050.3	952.0	842.1	732.2	680.7	676.0
42.5°	5583.6	4785.9	2694.7	1319.3	956.7	942.7	853.8	727.5	629.2	591.8	594.1
45°	6152.0	5190.6	2526.3	1059.6	823.4	837.4	760.2	640.9	573.1	542.7	542.7
47.5°	6657.3	5464.3	2343.8	874.8	699.4	732.2	664.3	594.1	535.7	512.3	507.6
50°	7143.8	5742.6	2161.4	708.8	596.5	629.2	622.2	566.1	519.3	491.2	493.6
52.5°	7447.9	5787.1	1929.8	580.1	521.6	559.1	582.5	531.0	479.5	463.2	458.5
55°	7076.0	5214.0	1497.1	477.2	442.1	491.2	535.7	477.2	437.4	409.4	407.0
56°	6575.4	4662.0	1251.5	439.8	418.7	472.5	519.3	456.1	411.7	395.3	383.6
57.5°	5567.2	3815.2	924.0	390.6	388.3	439.8	493.6	435.1	383.6	369.6	369.6
60°	3471.3	2147.4	559.1	327.5	336.8	390.6	444.4	388.3	341.5	341.5	348.5
62.5°	1581.3	893.6	339.2	278.4	290.1	336.8	395.3	350.9	325.1	350.9	355.6
65°	538.0	386.0	245.6	222.2	229.2	278.4	339.2	355.6	353.2	369.6	378.9
67.5°	301.8	248.0	205.8	184.8	180.1	205.8	278.4	355.6	341.5	334.5	339.2
70°	255.0	210.5	182.5	163.7	156.7	166.1	215.2	269.0	240.9	233.9	229.2
72.5°	205.8	175.4	159.1	147.4	126.3	107.6	98.2	102.9	114.6	121.6	133.3
75°	145.0	133.3	133.3	119.3	91.2	67.8	53.8	44.4	30.4	21.1	23.4
77.5°	81.9	81.9	84.2	72.5	58.5	44.4	32.7	23.4	11.7	4.7	2.3
80°	56.1	60.8	65.5	58.5	49.1	39.8	28.1	16.4	7.0	0.0	0.0
82.5°	56.1	63.2	67.8	58.5	49.1	37.4	28.1	16.4	7.0	2.3	0.0
85°	11.7	14.0	16.4	18.7	28.1	28.1	21.1	14.0	7.0	2.3	0.0
87.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	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)