

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: P648539

Luminaire Tested: **GALN-SA7B-835-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648539
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-SA7B-835-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3500K, 800mA 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: 26254 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

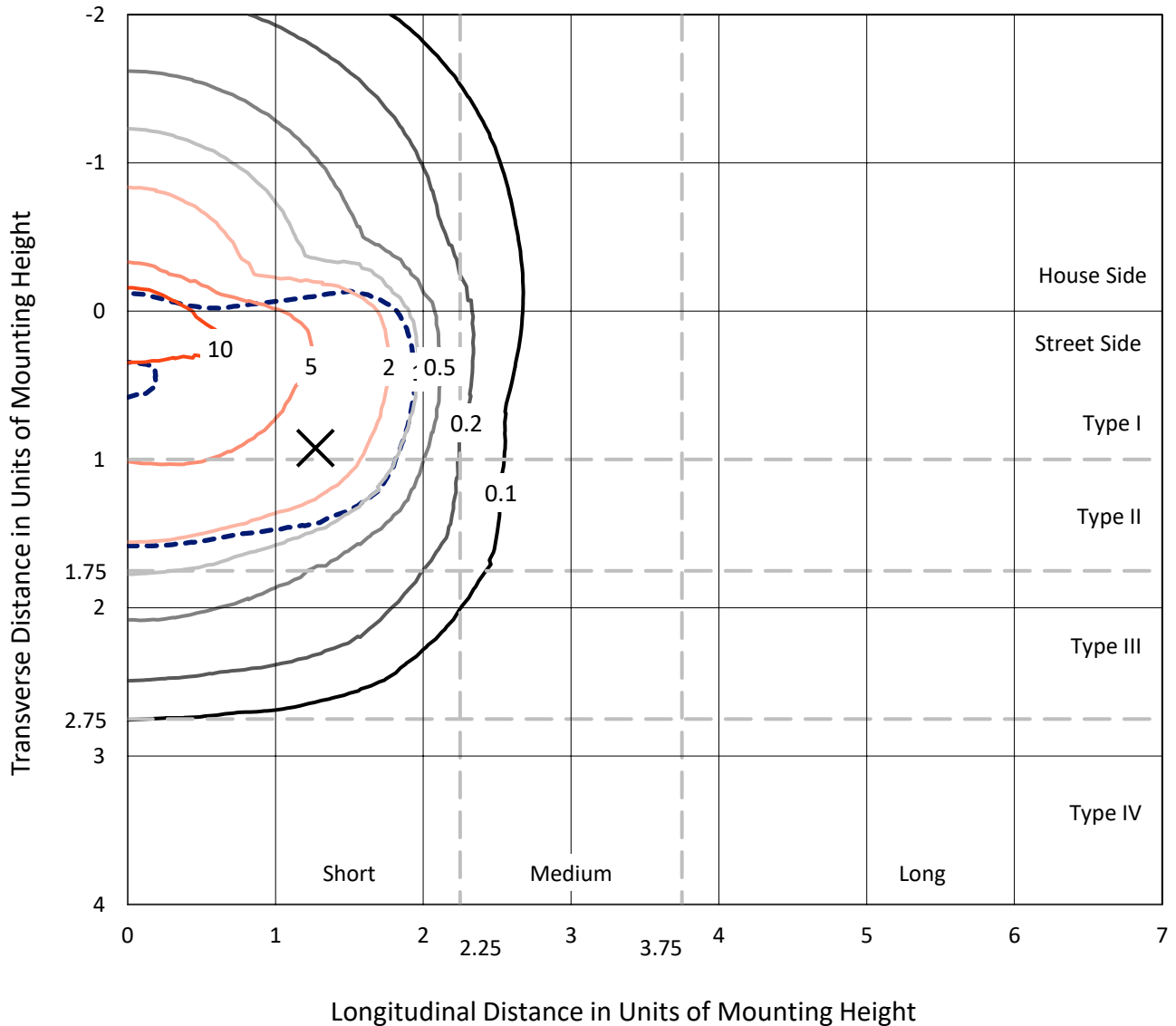
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P648539
 CATALOG NUMBER: GALN-SA7B-835-U-SL3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

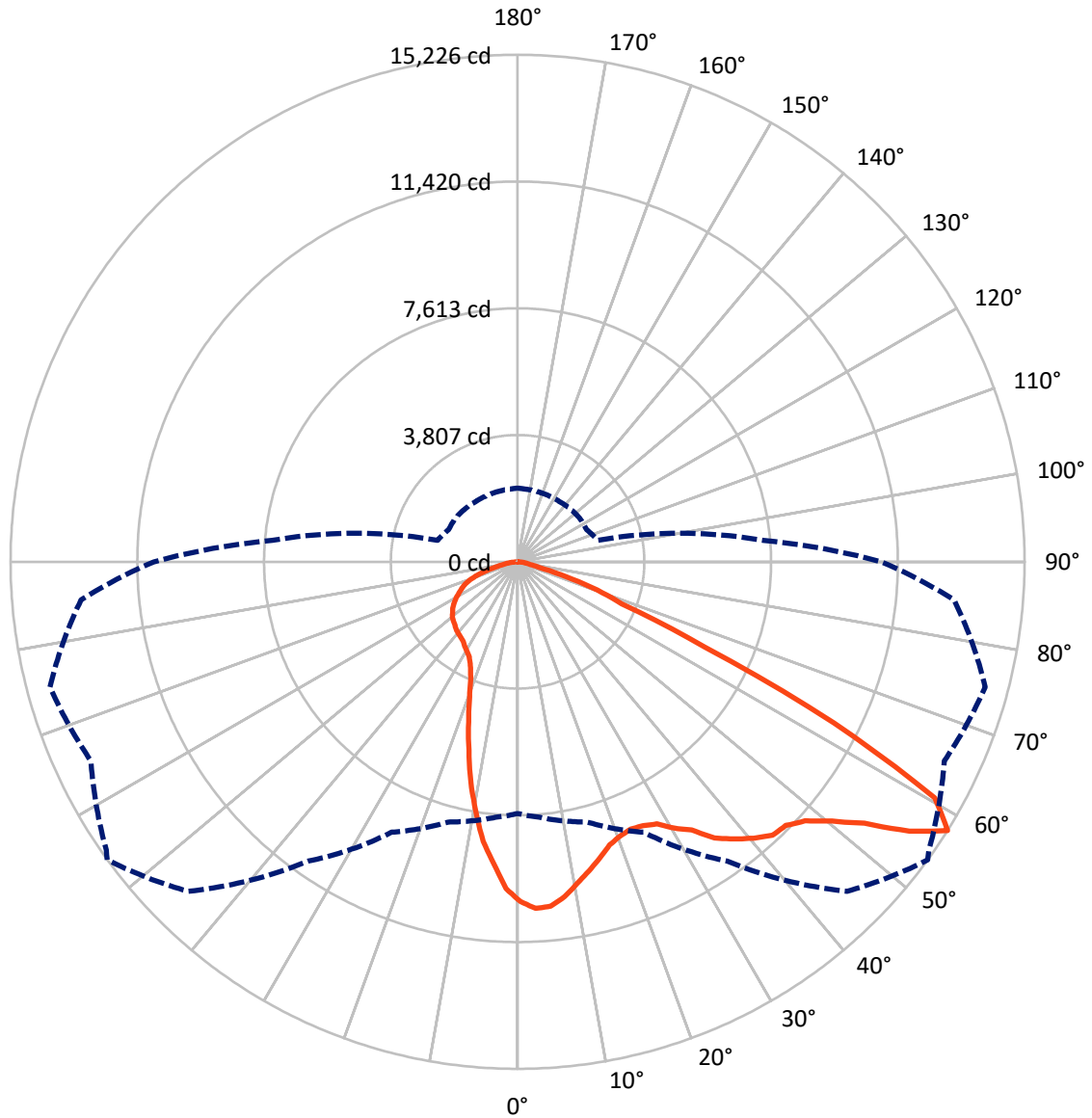
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.3 fc
 Type II - Short - N/A

REPORT NUMBER: P648539
CATALOG NUMBER: GALN-SA7B-835-U-SL3-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P648539
 CATALOG NUMBER: GALN-SA7B-835-U-SL3-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7263.3	0.0	7263.3
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	18990.7	0.0	18990.7
	% Fixture	72.3	0.0	72.3
Total	Lumens	26254.0	0.0	26254.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	880.1	3.4
10°-20°	2037.6	7.8
20°-30°	2862.9	10.9
30°-40°	4002.4	15.2
40°-50°	5418.4	20.6
50°-60°	6599.9	25.1
60°-70°	3437.5	13.1
70°-80°	880.8	3.4
80°-90°	134.4	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°	26254.0	100.0
0°-180°	26254.0	100.0

Coefficient of Utilization



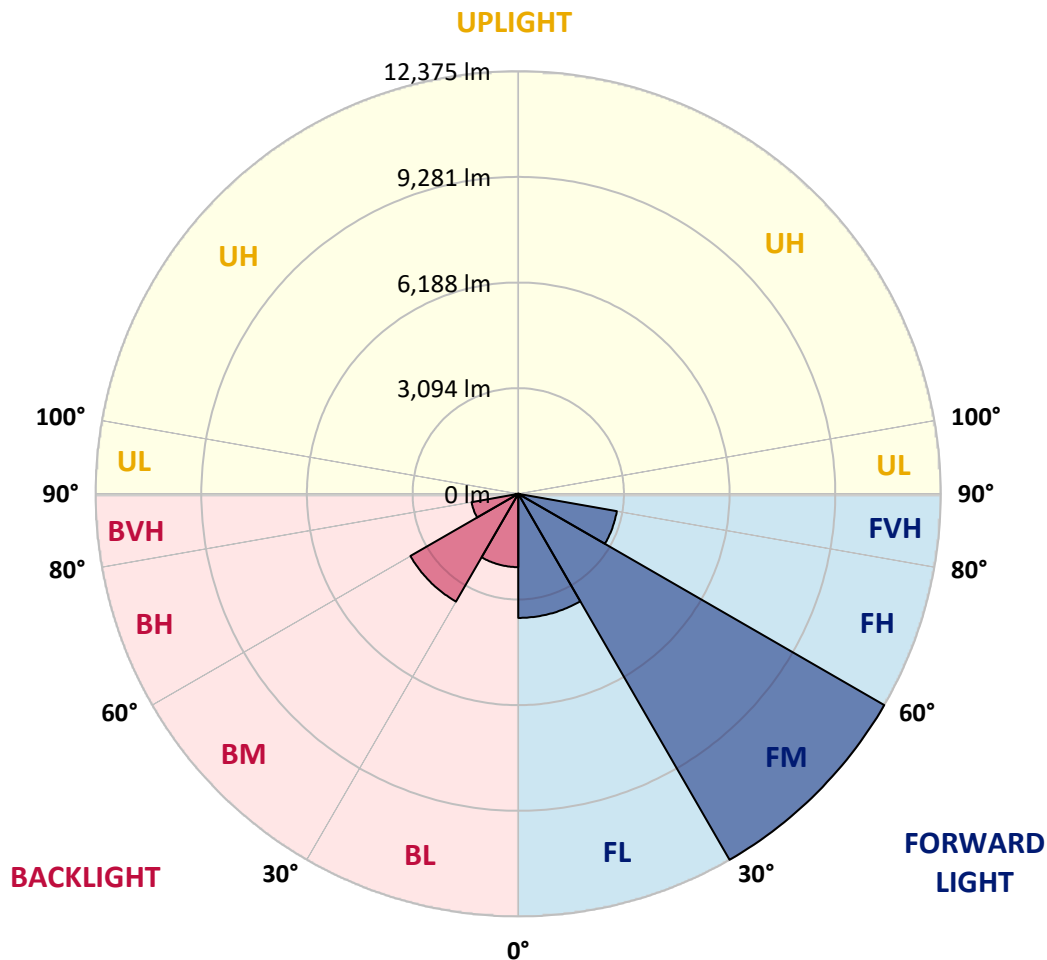
REPORT NUMBER: P648539
 CATALOG NUMBER: GALN-SA7B-835-U-SL3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3633.9	13.8			
FM (30°-60°)	12375.3	47.1			
FH (60°-80°)	2930.7	11.2			G2/5000
FVH (80°-90°)	50.8	0.2			G1/100
BL (0°-30°)	2146.7	8.2	B3/2500		
BM (30°-60°)	3645.4	13.9	B3/5000		
BH (60°-80°)	1387.7	5.3	B3/2500		G3/2500
BVH (80°-90°)	83.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





REPORT NUMBER: P648539

CATALOG NUMBER: GALN-SA7B-835-U-SL3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	10204.6	10204.6	10204.6	10204.6	10204.6	10204.6	10204.6	10204.6	10204.6	10204.6	10204.6
2.5°	10494.9	10454.3	10461.1	10515.1	10447.6	10420.6	10420.6	10289.0	10299.1	10208.0	10184.4
5°	10251.9	10157.4	10221.5	10302.5	10315.9	10343.0	10386.9	10353.1	10258.6	10160.8	10002.1
7.5°	9617.4	9701.8	9725.4	9782.8	9904.3	10015.7	10154.0	10059.5	10056.1	9958.3	9863.8
10°	9060.6	9010.1	9138.2	9222.6	9425.1	9610.7	9823.3	9813.2	9863.8	9752.4	9590.4
12.5°	8507.2	8466.7	8527.5	8719.8	9003.3	9273.2	9526.4	9431.9	9701.8	9681.6	9334.0
15°	7920.0	7950.4	8038.2	8217.0	8588.2	8912.2	9232.7	9236.1	9475.7	9556.7	9091.0
17.5°	7508.3	7474.6	7585.9	7852.6	8183.3	8571.3	8935.8	9010.1	9377.8	9425.1	9016.8
20°	7201.3	7248.5	7393.6	7528.6	7909.9	8379.0	8790.7	8817.7	9357.6	9485.8	8898.6
22.5°	7127.0	7100.0	7147.3	7366.6	7680.4	8190.0	8713.1	8814.3	9354.3	9465.6	8676.0
25°	7049.4	7137.2	7133.8	7353.2	7582.6	8038.2	8777.2	8888.5	9533.1	9570.2	8706.3
27.5°	7224.9	7214.8	7309.2	7326.1	7609.6	8078.7	8912.2	8996.5	9830.0	9799.7	8730.0
30°	7400.4	7349.8	7407.1	7606.2	7737.8	8311.5	9283.4	9276.6	10214.8	10194.5	8804.2
32.5°	7616.3	7592.8	7629.9	7805.3	8028.0	8621.9	9597.2	9796.3	10606.2	10734.5	9060.6
35°	7656.9	7754.7	7842.4	8078.7	8395.9	9124.8	10187.8	10353.1	11058.4	11460.0	9549.9
37.5°	7913.3	7950.4	8156.3	8574.7	8865.0	9796.3	10562.4	10667.0	11470.1	11925.6	10066.2
40°	8186.7	8230.5	8541.0	8979.7	9377.8	10235.0	10913.3	10947.0	11601.7	12283.3	10403.7
42.5°	8557.9	8598.4	8905.5	9455.5	9988.7	10609.6	11223.8	11260.9	11591.5	12695.0	10940.3
45°	8942.6	9040.4	9401.5	10025.8	10505.0	11048.3	11294.6	11446.4	11686.0	13062.9	11375.6
47.5°	9482.4	9573.6	9870.6	10481.3	11041.5	11433.0	11621.9	11770.4	11912.2	13383.4	11655.7
50°	10056.1	10073.0	10434.1	10987.5	11399.2	11868.2	12232.7	12283.3	12209.1	13754.6	12131.5
52.5°	10477.9	10532.0	10812.1	11351.9	11966.1	12543.2	13042.6	13096.6	12951.5	13893.0	12293.5
55°	9779.4	9749.1	10204.6	10923.4	12347.4	13548.8	14274.3	14314.8	13491.4	14321.5	12823.3
57.5°	7559.0	7704.1	8092.1	8959.4	10970.6	13994.2	15226.0	15080.8	14139.3	14537.6	13160.7
60°	5493.8	5460.0	5719.9	6300.3	8267.6	12060.6	14395.8	14544.3	13609.6	13103.3	10852.5
62.5°	4474.6	4427.4	4447.7	4467.9	5335.1	8004.5	10656.8	10653.4	10481.3	9418.4	7319.4
65°	3577.1	3688.4	3698.5	3850.3	3961.7	4781.7	6175.4	6506.1	5665.9	4646.7	3371.2
67.5°	2696.3	2655.8	2790.8	3330.6	3539.9	3452.2	3371.2	3408.3	2422.9	1748.0	1646.8
70°	1589.4	1572.6	1734.5	2321.7	2915.6	2743.5	2541.1	2544.4	1663.6	1221.6	1359.9
72.5°	870.6	867.3	901.0	1177.7	1656.9	1721.0	1525.3	1572.6	992.1	988.8	1063.0
75°	485.9	475.8	465.7	519.7	597.3	631.0	644.6	651.3	681.7	762.6	793.0
77.5°	178.8	172.1	172.1	199.1	253.1	317.2	401.6	408.3	482.6	553.4	583.8
80°	60.8	67.5	91.1	124.9	168.7	226.1	273.3	280.1	340.8	388.1	398.2
82.5°	37.1	40.5	60.8	87.8	121.5	158.6	202.5	205.9	253.1	283.4	297.0
85°	16.8	20.3	33.7	54.0	77.6	104.6	108.0	108.0	104.6	108.0	101.2
87.5°	0.0	0.0	6.7	6.7	6.7	10.1	13.5	10.1	16.8	20.3	20.3
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: P648539

CATALOG NUMBER: GALN-SA7B-835-U-SL3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10204.6	10204.6	10204.6	10204.6	10204.6	10204.6	10204.6	10204.6	10204.6	10204.6	10204.6
2.5°	10113.5	10076.4	9961.6	9860.4	9830.0	9695.1	9496.0	9519.6	9374.5	9442.0	9371.1
5°	9975.2	9850.3	9556.7	9431.9	9104.5	8956.0	8854.8	8601.7	8483.6	8460.0	8358.8
7.5°	9620.8	9543.2	9175.4	8838.0	8490.4	8193.4	7812.1	7552.3	7366.6	7316.0	7167.5
10°	9340.7	9168.6	8659.1	8146.2	7650.1	7133.8	6637.7	6249.7	6060.7	5841.3	5767.1
12.5°	9064.0	8804.2	8115.8	7457.8	6816.6	6165.3	5564.6	5092.2	4680.5	4582.7	4548.9
15°	8891.9	8439.7	7629.9	6836.8	5925.7	5075.3	4474.6	4164.2	3911.1	3806.5	3880.7
17.5°	8665.9	8139.4	7164.1	6107.9	5105.7	4322.8	3820.0	3627.6	3536.5	3546.7	3516.3
20°	8382.4	7855.9	6553.4	5446.5	4373.4	3749.1	3462.3	3391.4	3405.0	3428.5	3418.4
22.5°	8179.9	7511.7	6111.3	4771.6	3779.5	3431.9	3313.8	3263.2	3307.1	3327.3	3310.4
25°	8024.7	7218.2	5574.7	4174.3	3435.3	3253.1	3199.1	3195.7	3263.2	3290.2	3273.3
27.5°	7882.9	6944.8	5041.6	3718.8	3205.8	3114.7	3097.9	3138.3	3182.2	3209.2	3232.9
30°	7798.6	6735.6	4542.1	3337.5	3091.0	3047.2	3016.8	3053.9	3077.6	3104.6	3091.0
32.5°	7879.6	6587.1	4059.5	3121.4	2996.6	2952.7	2993.3	2969.6	3010.1	3033.7	2996.6
35°	8132.6	6455.5	3715.4	3006.7	2888.6	2905.5	2912.2	2902.1	2918.9	2898.7	2942.6
37.5°	8382.4	6408.2	3398.1	2908.8	2838.0	2838.0	2831.2	2811.0	2844.7	2838.0	2858.3
40°	8699.6	6438.6	3128.2	2804.2	2790.8	2784.0	2757.0	2753.7	2740.1	2743.5	2750.3
42.5°	8976.3	6506.1	2973.0	2736.7	2746.8	2760.4	2709.7	2669.2	2686.2	2652.4	2652.4
45°	9269.9	6566.9	2834.6	2689.5	2679.4	2676.0	2635.5	2611.9	2598.4	2601.8	2632.1
47.5°	9732.2	6654.6	2730.0	2625.4	2632.1	2581.6	2571.4	2541.1	2554.5	2574.8	2578.2
50°	10059.5	6840.2	2649.0	2551.2	2574.8	2541.1	2480.3	2466.8	2466.8	2500.5	2493.8
52.5°	10289.0	7100.0	2571.4	2470.1	2480.3	2453.3	2433.0	2402.7	2382.4	2429.6	2453.3
55°	10990.9	7532.0	2551.2	2402.7	2399.3	2372.3	2335.2	2304.8	2294.7	2301.5	2348.7
57.5°	10923.4	7397.0	2487.0	2284.6	2277.8	2240.7	2203.6	2193.4	2190.1	2196.9	2210.3
60°	8868.3	5463.4	2220.4	2149.6	2139.5	2132.7	2095.6	2055.1	2034.9	2055.1	2038.2
62.5°	5868.4	3658.0	1957.3	1987.6	1994.4	1977.5	1916.7	1876.2	1883.0	1906.6	1869.5
65°	2881.8	2149.6	1775.0	1856.0	1862.8	1815.5	1758.1	1710.9	1687.3	1707.5	1690.7
67.5°	1646.8	1643.4	1626.5	1710.9	1707.5	1660.3	1569.1	1528.7	1488.2	1494.9	1484.8
70°	1397.0	1424.0	1457.8	1508.4	1505.1	1451.1	1343.1	1312.7	1255.3	1248.6	1231.7
72.5°	1100.1	1147.3	1221.6	1258.7	1228.4	1160.9	1090.0	1039.4	988.8	958.4	968.5
75°	816.7	884.2	924.6	948.2	901.0	863.9	806.5	745.8	685.0	658.0	647.9
77.5°	593.9	614.2	651.3	668.1	637.8	600.6	566.9	506.2	448.8	411.7	401.6
80°	415.1	428.5	455.5	455.5	455.5	438.7	394.8	334.1	297.0	263.2	256.4
82.5°	290.2	303.7	330.7	317.2	313.8	293.5	266.6	219.3	178.8	155.2	148.5
85°	101.2	111.3	135.0	162.0	172.1	168.7	151.8	121.5	94.5	77.6	70.9
87.5°	23.6	23.6	27.0	23.6	23.6	27.0	23.6	23.6	23.6	16.8	13.5
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)