

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: P646995

Luminaire Tested: **GALN-SA6C-835-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-835-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27668.1 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

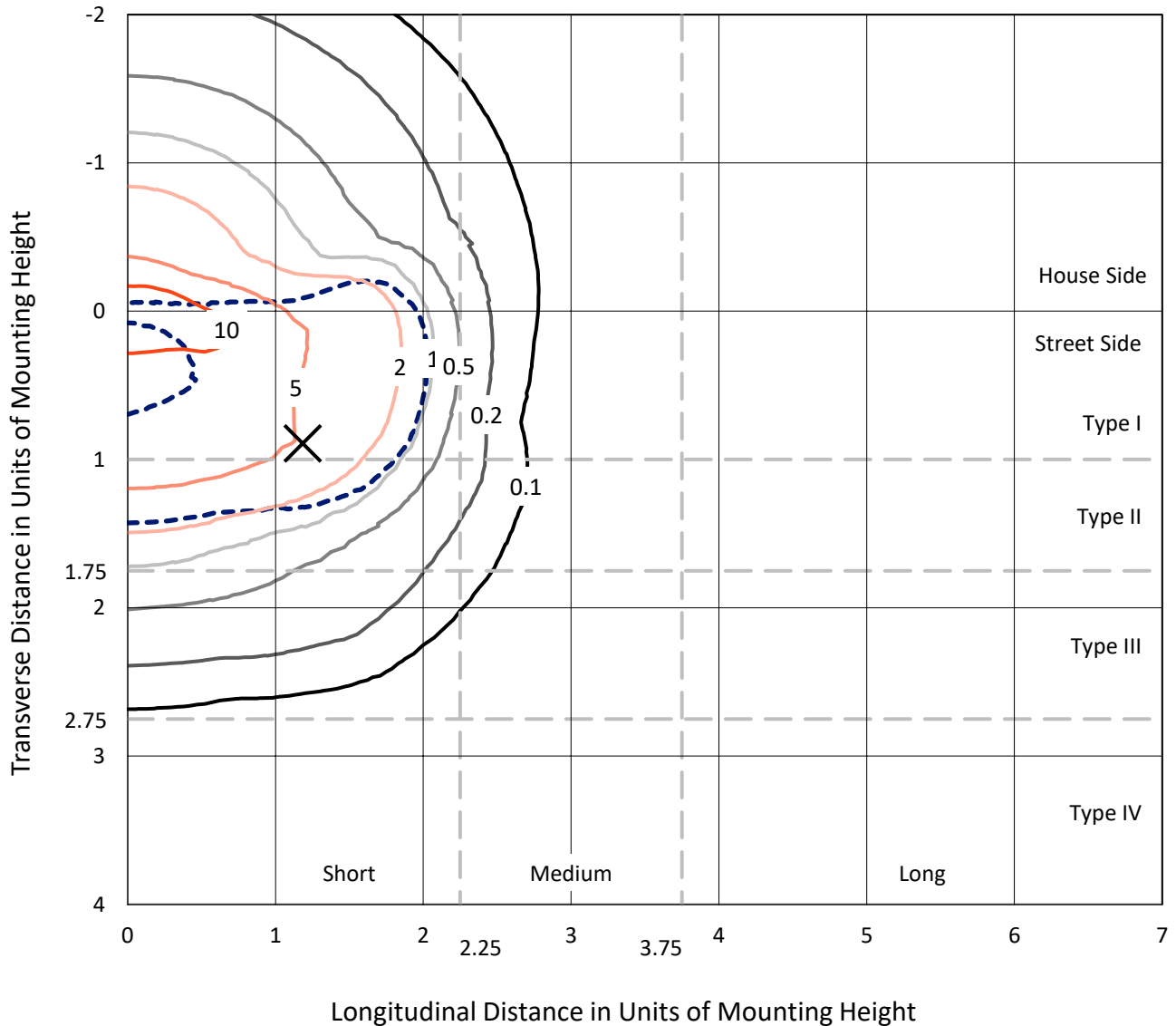
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

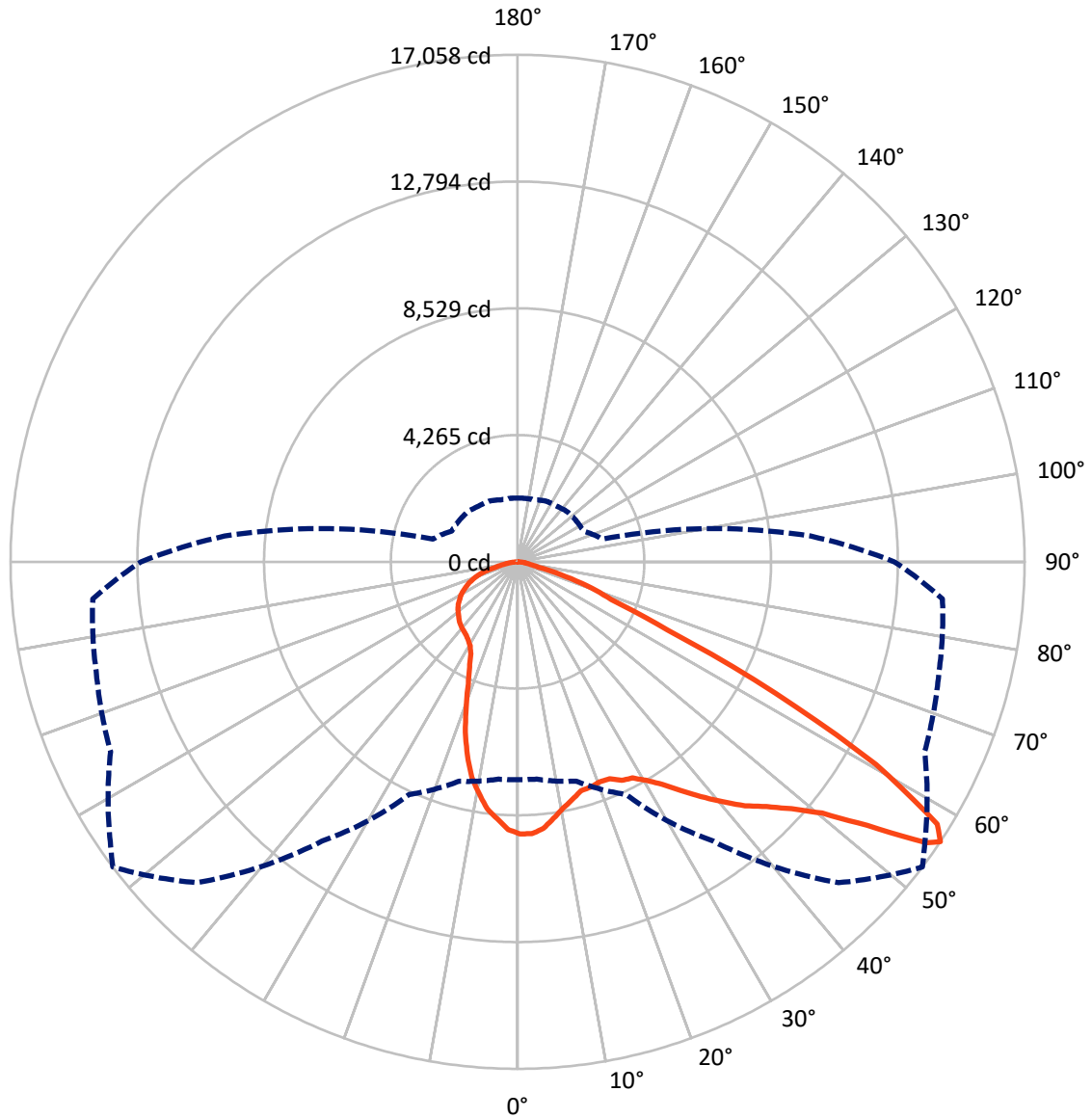
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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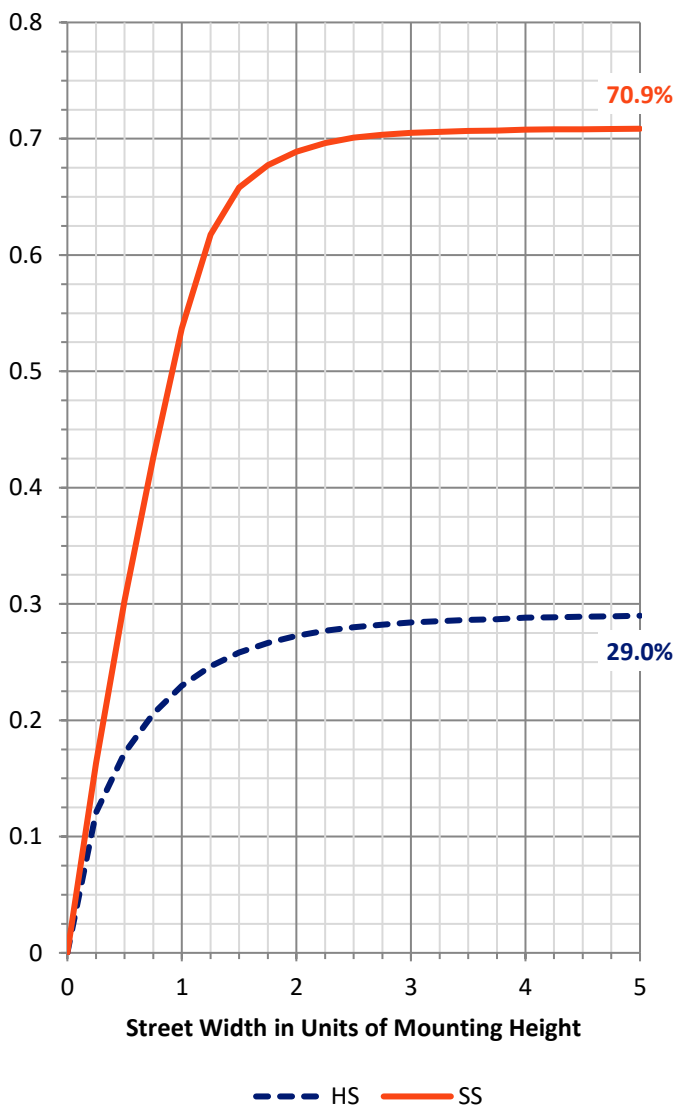
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8074.2	0.0	8074.2
	% Fixture	29.2	0.0	29.2
Street Side	Lumens	19593.9	0.0	19593.9
	% Fixture	70.8	0.0	70.8
Total	Lumens	27668.1	0.0	27668.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	810.4	2.9
10°-20°	2023.9	7.3
20°-30°	2984.5	10.8
30°-40°	4264.2	15.4
40°-50°	5869.1	21.2
50°-60°	6935.7	25.1
60°-70°	3696.3	13.4
70°-80°	937.7	3.4
80°-90°	146.2	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°	27668.1	100.0
0°-180°	27668.1	100.0

Coefficient of Utilization



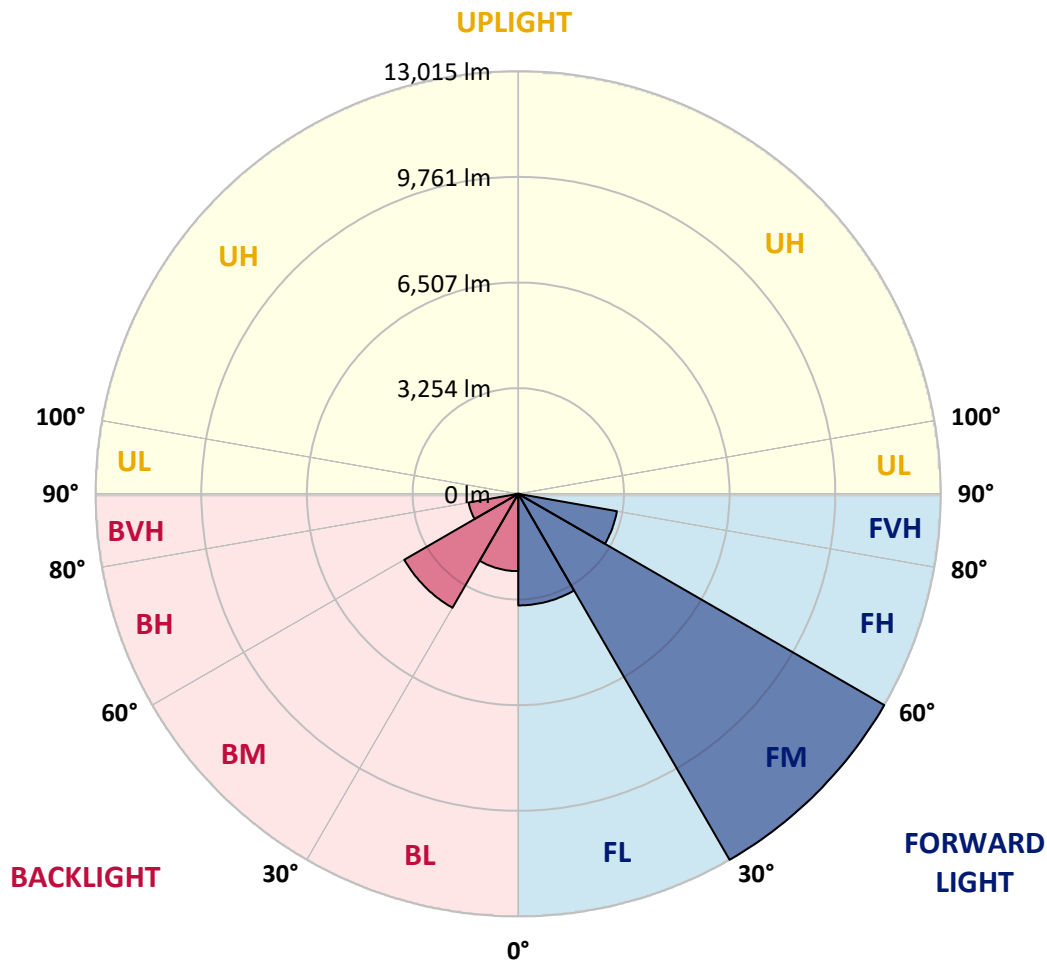
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3437.4	12.4			
FM (30°-60°)	13014.5	47.0			
FH (60°-80°)	3083.3	11.1			G2/5000
FVH (80°-90°)	58.8	0.2			G1/100
BL (0°-30°)	2381.4	8.6	B3/2500		
BM (30°-60°)	4054.6	14.7	B3/5000		
BH (60°-80°)	1550.7	5.6	B3/2500		G3/2500
BVH (80°-90°)	87.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	9153.7	9153.7	9153.7	9153.7	9153.7	9153.7	9153.7	9153.7	9153.7	9153.7	9153.7
2.5°	9040.1	8962.1	9008.2	8990.4	9136.0	9178.6	9157.3	9175.0	9256.6	9217.6	9136.0
5°	8447.4	8557.4	8578.7	8631.9	8717.1	8883.9	9015.3	9050.8	9089.8	9270.8	9253.1
7.5°	7907.9	7982.5	7943.4	8099.5	8284.1	8553.9	8713.6	8742.0	9100.4	9199.9	9274.4
10°	7567.1	7492.6	7670.1	7712.7	7922.1	8230.9	8422.5	8539.6	8866.2	9260.1	9306.3
12.5°	7251.3	7226.4	7332.9	7453.5	7687.8	8007.3	8202.5	8248.6	8752.6	9167.9	9384.4
15°	7017.0	6988.6	7095.1	7183.8	7457.1	7741.1	7989.5	8120.8	8628.4	9114.7	9317.0
17.5°	6832.5	6828.9	6889.2	7049.0	7329.3	7567.1	7968.2	7975.3	8564.5	9196.3	9373.8
20°	6821.8	6818.2	6828.9	7006.4	7261.9	7553.0	7900.8	7964.7	8564.5	9139.5	9377.3
22.5°	6910.5	6853.8	6917.6	7031.2	7215.7	7577.8	7925.6	8067.6	8770.4	9419.9	9537.0
25°	7052.5	7066.7	7102.2	7141.2	7247.7	7634.6	8145.7	8262.8	9011.7	9661.3	9757.0
27.5°	7311.6	7304.5	7318.7	7340.0	7432.2	7687.8	8234.4	8536.1	9515.7	10090.7	9994.9
30°	7691.4	7666.5	7723.4	7797.8	7712.7	7858.2	8529.0	8756.1	9984.3	10523.8	10261.1
32.5°	8035.7	8127.9	8234.4	8266.4	8163.4	8191.8	8919.5	9150.1	10374.7	11056.1	10587.6
35°	8465.1	8539.6	8681.7	8781.0	8763.3	8678.1	9451.8	9757.0	10939.0	11446.5	10931.9
37.5°	8883.9	8972.7	9206.9	9501.5	9338.3	9299.2	10019.7	10271.7	11112.9	11656.0	11183.9
40°	9558.3	9554.8	9959.4	10112.0	10257.5	10190.1	10608.9	10694.1	11205.2	11609.9	11191.0
42.5°	10349.9	10300.1	10711.8	10949.6	11137.8	11144.8	11223.0	11194.6	11247.8	11375.6	11116.5
45°	11102.2	11208.7	11624.0	12049.9	12238.1	12259.4	11741.2	11687.9	11322.3	11308.2	10974.5
47.5°	12021.6	12046.4	12387.1	12947.9	13384.4	13235.4	12412.0	12294.8	11648.8	11758.9	11212.3
50°	12074.8	12259.4	12564.6	13224.8	14566.4	14527.4	13281.6	13061.5	12174.2	12397.8	11876.0
52.5°	10960.3	10917.7	11279.7	12358.7	14477.7	15812.2	14722.6	14197.3	13302.9	13132.5	12951.4
55°	8351.6	8450.9	8770.4	9860.0	12571.7	15830.0	16685.3	16255.9	14509.6	14218.6	14009.2
56°	7325.8	7340.0	7641.7	8635.5	11471.4	15265.6	17058.0	16710.2	15109.5	14665.8	14346.4
57.5°	6072.9	5991.3	6147.4	6690.5	9682.6	14073.0	16649.9	16990.6	15812.2	15148.5	14704.8
60°	4780.9	4763.2	4699.3	4798.7	6119.0	10601.8	13860.1	14626.8	15741.2	14694.2	14083.7
62.5°	3904.3	3815.5	3943.3	4085.3	4252.1	6576.9	9739.3	10190.1	12497.1	11730.5	10580.5
65°	3027.5	2985.0	3144.7	3606.1	3705.5	4177.5	5547.6	5895.4	7379.1	7247.7	6381.7
67.5°	2083.5	2090.5	2229.0	2931.7	3435.7	3393.1	3396.7	3577.7	3851.0	2860.8	2491.6
70°	1320.4	1316.8	1391.3	1888.2	2764.9	2793.4	2651.3	2598.1	2463.2	1490.7	1579.5
72.5°	848.3	823.5	862.5	1043.5	1430.4	1654.0	1703.7	1735.6	1426.9	1171.3	1270.7
75°	479.2	454.3	440.1	486.2	564.3	653.1	717.0	738.3	827.0	887.3	940.5
77.5°	145.6	131.3	159.7	213.0	280.4	376.2	457.9	472.1	557.3	628.2	681.4
80°	63.9	71.0	99.4	142.0	198.7	266.2	323.0	344.3	401.1	454.3	468.5
82.5°	39.1	42.6	67.4	95.8	138.4	188.1	230.7	237.8	294.6	337.2	347.8
85°	14.2	17.8	35.5	56.8	88.7	120.7	120.7	131.3	120.7	120.7	131.3
87.5°	0.0	0.0	3.5	7.1	7.1	10.6	14.2	14.2	17.8	21.3	24.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9153.7	9153.7	9153.7	9153.7	9153.7	9153.7	9153.7	9153.7	9153.7	9153.7	9153.7
2.5°	9178.6	9160.8	9132.4	9029.5	9018.8	8986.9	8809.4	8781.0	8809.4	8724.3	8731.3
5°	9160.8	9214.0	9001.1	8898.2	8706.5	8568.1	8408.3	8326.7	8181.2	8088.9	8191.8
7.5°	9238.9	9217.6	8951.4	8727.8	8440.3	8088.9	7808.5	7648.8	7393.2	7322.2	7375.5
10°	9210.5	9096.9	8784.6	8490.0	7946.9	7638.2	7183.8	6743.7	6502.3	6378.2	6360.4
12.5°	9171.4	9139.5	8617.8	8110.2	7538.7	6889.2	6250.4	5835.1	5441.1	5270.8	5295.6
15°	9217.6	8947.8	8305.4	7663.0	6903.4	6051.6	5363.0	4827.0	4553.8	4443.8	4443.8
17.5°	9196.3	8855.6	8156.4	7162.5	6200.7	5192.6	4436.6	4113.6	4000.1	4000.1	4032.1
20°	9206.9	8915.9	7854.7	6662.1	5370.1	4372.7	3822.6	3705.5	3755.2	3773.0	3790.7
22.5°	9267.3	8717.1	7560.0	6111.9	4599.9	3741.0	3471.2	3474.8	3563.5	3659.4	3641.6
25°	9341.8	8639.1	7201.6	5565.3	4010.8	3432.2	3347.0	3336.4	3403.8	3453.5	3460.6
27.5°	9277.9	8504.2	6836.0	4883.9	3528.0	3226.4	3208.6	3215.7	3237.0	3336.4	3304.4
30°	9487.3	8543.2	6378.2	4312.5	3261.8	3158.9	3137.6	3127.0	3158.9	3187.3	3162.5
32.5°	9746.4	8404.8	6037.4	3762.3	3130.5	3109.2	3066.6	3052.4	3070.1	3041.8	3056.0
35°	9860.0	8380.0	5593.8	3368.3	3027.5	3009.9	2985.0	2981.4	2985.0	2960.1	2938.8
37.5°	9923.9	8497.0	5086.2	3187.3	2963.7	2981.4	2924.7	2917.5	2853.6	2867.8	2878.5
40°	10033.9	8316.1	4674.4	3013.4	2924.7	2889.1	2839.5	2828.8	2786.2	2761.4	2786.2
42.5°	9874.2	8262.8	4269.9	2938.8	2867.8	2828.8	2793.4	2733.0	2718.8	2697.5	2683.3
45°	9746.4	7957.6	3907.8	2846.5	2800.4	2779.1	2711.7	2647.8	2594.5	2615.8	2583.9
47.5°	9842.2	7851.1	3549.3	2768.5	2708.2	2683.3	2615.8	2566.1	2512.9	2488.1	2480.9
50°	10225.6	8049.9	3247.6	2711.7	2630.0	2615.8	2527.1	2470.4	2420.6	2402.9	2410.0
52.5°	11141.3	8592.9	3041.8	2594.5	2555.5	2491.6	2441.9	2370.9	2339.0	2282.2	2317.7
55°	12301.9	9476.6	2988.6	2484.5	2463.2	2406.5	2339.0	2285.7	2225.4	2179.2	2168.6
56°	12674.7	9899.1	2946.0	2441.9	2406.5	2374.5	2285.7	2253.8	2157.9	2147.3	2140.3
57.5°	12976.3	10271.7	2953.0	2360.3	2324.8	2296.4	2243.1	2165.1	2101.2	2062.2	2079.9
60°	12294.8	9615.1	2818.2	2236.1	2229.0	2175.7	2101.2	2065.7	1987.6	1941.4	1930.8
62.5°	9139.5	6527.2	2285.7	2076.4	2072.8	2016.0	1930.8	1891.8	1877.6	1813.7	1813.7
65°	5263.6	4092.3	1977.0	1945.1	1916.6	1859.9	1774.7	1742.7	1707.3	1686.0	1668.2
67.5°	2246.7	2122.5	1796.0	1792.4	1760.5	1689.5	1604.3	1554.6	1508.4	1465.9	1487.2
70°	1629.1	1654.0	1622.1	1604.3	1565.2	1476.5	1402.0	1341.7	1270.7	1242.2	1263.5
72.5°	1292.0	1345.2	1391.3	1394.9	1348.7	1245.8	1164.2	1082.6	1004.4	965.4	983.1
75°	979.6	1015.1	1061.3	1071.9	1004.4	933.5	855.3	770.2	709.9	663.7	670.8
77.5°	706.3	699.2	741.8	734.7	702.7	653.1	582.1	504.0	436.6	394.0	397.5
80°	482.7	493.4	518.2	514.7	475.6	443.6	390.4	326.5	276.9	241.3	234.3
82.5°	337.2	354.9	376.2	358.5	326.5	294.6	255.6	209.4	170.4	142.0	134.9
85°	120.7	138.4	159.7	170.4	181.0	173.9	145.6	117.1	85.2	71.0	67.4
87.5°	24.8	28.4	31.9	31.9	31.9	28.4	24.8	24.8	21.3	10.6	10.6
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)