

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: P527634

Luminaire Tested: **GALN-SA2C-830-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527634
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-SA2C-830-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 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: 9522 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 108
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

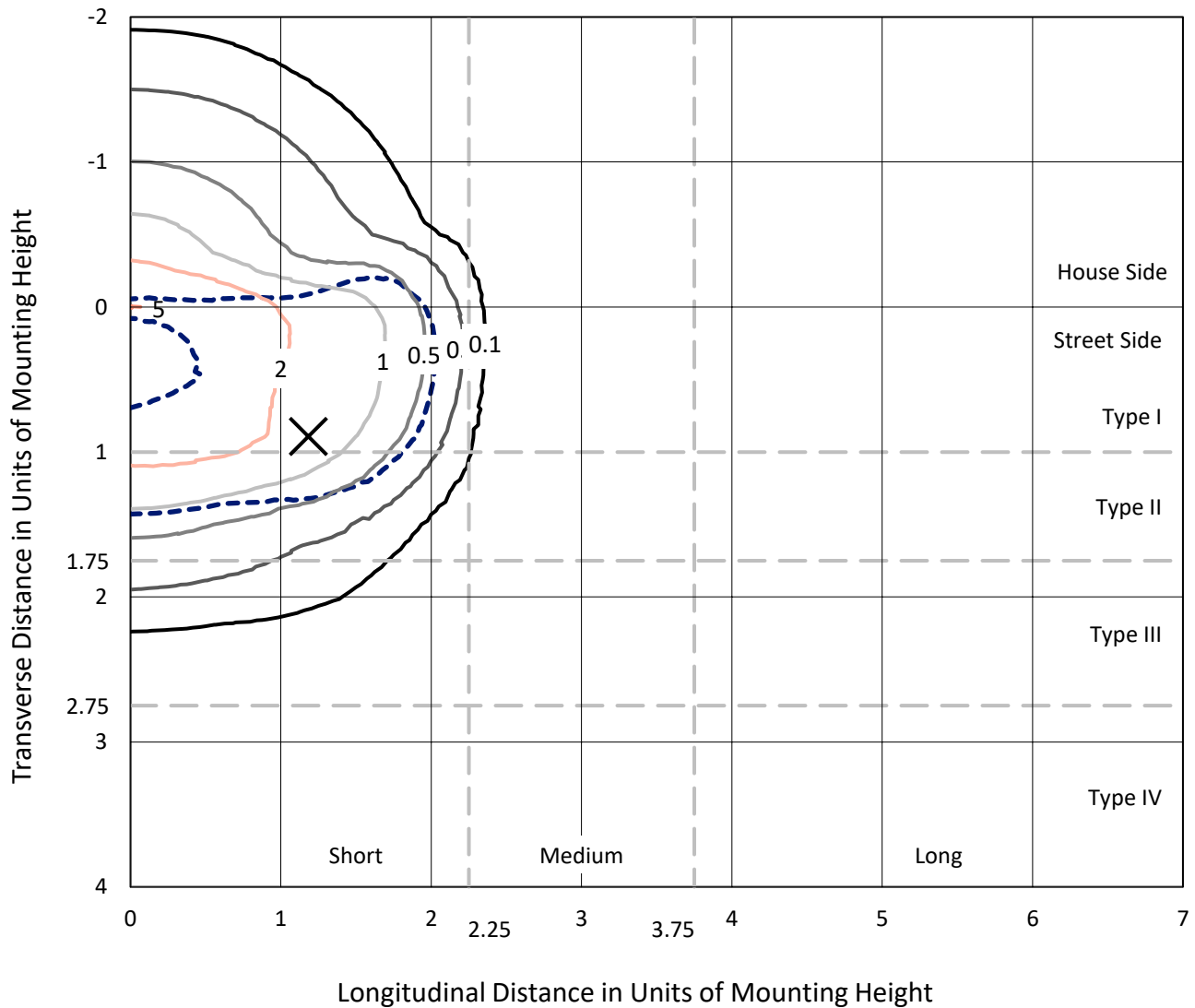


REPORT NUMBER: P527634

CATALOG NUMBER: GALN-SA2C-830-U-SL2-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

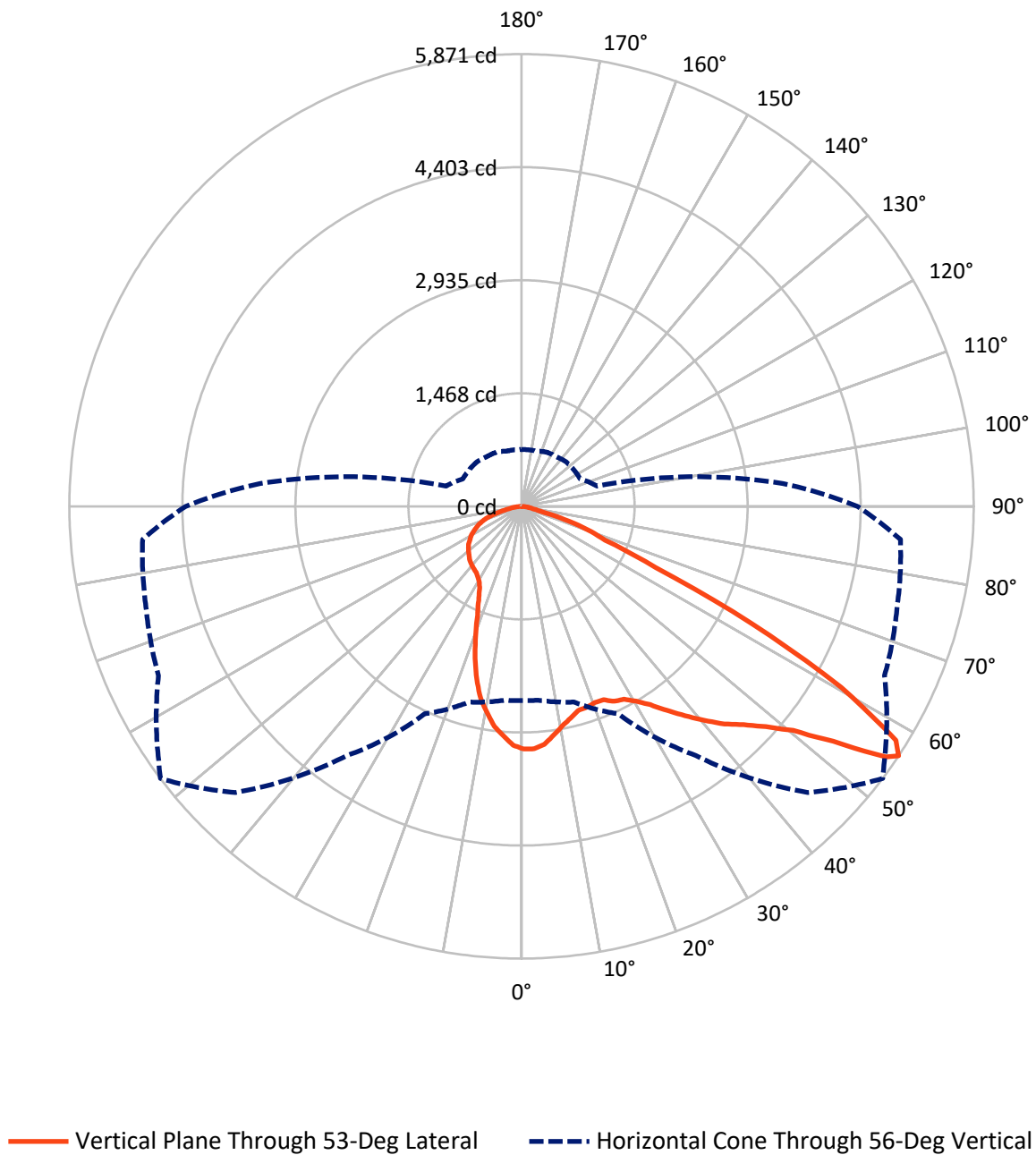


Based on 25 foot mounting height. Maximum calculated value = 5 fc
Type II - Short - N/A

REPORT NUMBER: P527634

CATALOG NUMBER: GALN-SA2C-830-U-SL2-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P527634

CATALOG NUMBER: GALN-SA2C-830-U-SL2-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2778.7	0.0	2778.7
	% Fixture	29.2	0.0	29.2
Street Side	Lumens	6743.3	0.0	6743.3
	% Fixture	70.8	0.0	70.8
Total	Lumens	9522.0	0.0	9522.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.9	2.9
10°-20°	696.5	7.3
20°-30°	1027.1	10.8
30°-40°	1467.5	15.4
40°-50°	2019.9	21.2
50°-60°	2386.9	25.1
60°-70°	1272.1	13.4
70°-80°	322.7	3.4
80°-90°	50.3	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°	9522.0	100.0
0°-180°	9522.0	100.0

Coefficient of Utilization



REPORT NUMBER: P527634

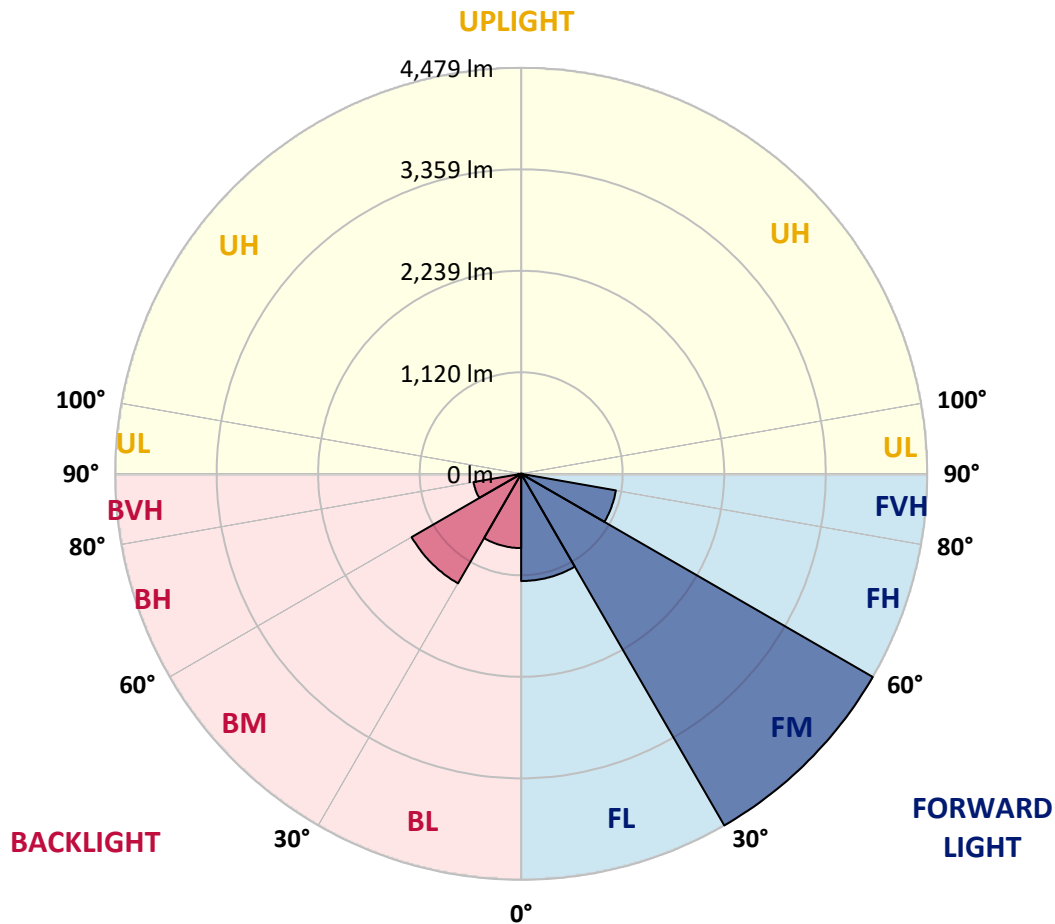
CATALOG NUMBER: GALN-SA2C-830-U-SL2-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1183.0	12.4			
FM	(30°-60°)	4479.0	47.0			
FH	(60°-80°)	1061.1	11.1			G1/1800
FVH	(80°-90°)	20.2	0.2			G1/100
BL	(0°-30°)	819.6	8.6	B2/1000		
BM	(30°-60°)	1395.4	14.7	B2/2500		
BH	(60°-80°)	533.7	5.6	B2/1000		G2/1000
BVH	(80°-90°)	30.1	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: P527634

CATALOG NUMBER: GALN-SA2C-830-U-SL2-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	3150.3	3150.3	3150.3	3150.3	3150.3	3150.3	3150.3	3150.3	3150.3	3150.3	3150.3
2.5°	3111.2	3084.3	3100.2	3094.1	3144.1	3158.8	3151.5	3157.6	3185.7	3172.2	3144.1
5°	2907.2	2945.0	2952.4	2970.7	3000.0	3057.4	3102.6	3114.8	3128.3	3190.6	3184.5
7.5°	2721.5	2747.2	2733.7	2787.5	2851.0	2943.8	2998.8	3008.6	3131.9	3166.1	3191.8
10°	2604.2	2578.6	2639.7	2654.3	2726.4	2832.7	2898.6	2938.9	3051.3	3186.9	3202.8
12.5°	2495.5	2487.0	2523.6	2565.2	2645.8	2755.7	2822.9	2838.8	3012.2	3155.1	3229.7
15°	2414.9	2405.1	2441.8	2472.3	2566.4	2664.1	2749.6	2794.8	2969.5	3136.8	3206.4
17.5°	2351.4	2350.2	2370.9	2425.9	2522.4	2604.2	2742.3	2744.7	2947.5	3164.9	3226.0
20°	2347.7	2346.5	2350.2	2411.2	2499.2	2599.4	2719.1	2741.0	2947.5	3145.4	3227.2
22.5°	2378.3	2358.7	2380.7	2419.8	2483.3	2607.9	2727.6	2776.5	3018.3	3241.9	3282.2
25°	2427.1	2432.0	2444.2	2457.7	2494.3	2627.5	2803.3	2843.7	3101.4	3324.9	3357.9
27.5°	2516.3	2513.9	2518.7	2526.1	2557.8	2645.8	2833.9	2937.7	3274.8	3472.7	3439.7
30°	2647.0	2638.4	2658.0	2683.6	2654.3	2704.4	2935.3	3013.4	3436.1	3621.8	3531.4
32.5°	2765.5	2797.2	2833.9	2844.9	2809.5	2819.2	3069.6	3149.0	3570.4	3805.0	3643.7
35°	2913.3	2938.9	2987.8	3022.0	3015.9	2986.6	3252.9	3357.9	3764.7	3939.3	3762.2
37.5°	3057.4	3088.0	3168.6	3270.0	3213.8	3200.3	3448.3	3535.0	3824.5	4011.4	3849.0
40°	3289.5	3288.3	3427.5	3480.1	3530.1	3506.9	3651.1	3680.4	3856.3	3995.5	3851.4
42.5°	3561.9	3544.8	3686.5	3768.3	3833.1	3835.5	3862.4	3852.6	3870.9	3914.9	3825.7
45°	3820.9	3857.5	4000.4	4147.0	4211.7	4219.1	4040.7	4022.4	3896.6	3891.7	3776.9
47.5°	4137.2	4145.8	4263.0	4456.0	4606.3	4555.0	4271.6	4231.3	4009.0	4046.8	3858.7
50°	4155.5	4219.1	4324.1	4551.3	5013.0	4999.6	4570.9	4495.1	4189.8	4266.7	4087.1
52.5°	3772.0	3757.3	3881.9	4253.3	4982.5	5441.8	5066.8	4886.0	4578.2	4519.6	4457.3
55°	2874.2	2908.4	3018.3	3393.3	4326.6	5447.9	5742.3	5594.5	4993.5	4893.3	4821.3
56°	2521.2	2526.1	2629.9	2971.9	3947.9	5253.7	5870.5	5750.8	5199.9	5047.2	4937.3
57.5°	2090.0	2061.9	2115.6	2302.5	3332.3	4843.3	5730.1	5847.3	5441.8	5213.4	5060.7
60°	1645.4	1639.3	1617.3	1651.5	2105.9	3648.6	4770.0	5033.8	5417.4	5057.0	4846.9
62.5°	1343.7	1313.1	1357.1	1405.9	1463.4	2263.4	3351.8	3506.9	4300.9	4037.1	3641.3
65°	1041.9	1027.3	1082.3	1241.0	1275.2	1437.7	1909.2	2028.9	2539.5	2494.3	2196.3
67.5°	717.0	719.5	767.1	1009.0	1182.4	1167.8	1169.0	1231.3	1325.3	984.5	857.5
70°	454.4	453.2	478.8	649.8	951.5	961.3	912.5	894.1	847.7	513.0	543.6
72.5°	291.9	283.4	296.8	359.1	492.3	569.2	586.3	597.3	491.0	403.1	437.3
75°	164.9	156.4	151.5	167.3	194.2	224.8	246.7	254.1	284.6	305.4	323.7
77.5°	50.1	45.2	55.0	73.3	96.5	129.5	157.6	162.5	191.8	216.2	234.5
80°	22.0	24.4	34.2	48.9	68.4	91.6	111.2	118.5	138.0	156.4	161.2
82.5°	13.4	14.7	23.2	33.0	47.6	64.7	79.4	81.8	101.4	116.0	119.7
85°	4.9	6.1	12.2	19.5	30.5	41.5	41.5	45.2	41.5	41.5	45.2
87.5°	0.0	0.0	1.2	2.4	2.4	3.7	4.9	4.9	6.1	7.3	8.6
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: P527634

CATALOG NUMBER: GALN-SA2C-830-U-SL2-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3150.3	3150.3	3150.3	3150.3	3150.3	3150.3	3150.3	3150.3	3150.3	3150.3	3150.3
2.5°	3158.8	3152.7	3142.9	3107.5	3103.8	3092.8	3031.8	3022.0	3031.8	3002.5	3004.9
5°	3152.7	3171.0	3097.7	3062.3	2996.3	2948.7	2893.7	2865.6	2815.6	2783.8	2819.2
7.5°	3179.6	3172.2	3080.6	3003.7	2904.7	2783.8	2687.3	2632.3	2544.4	2520.0	2538.3
10°	3169.8	3130.7	3023.2	2921.8	2734.9	2628.7	2472.3	2320.9	2237.8	2195.0	2188.9
12.5°	3156.4	3145.4	2965.8	2791.1	2594.5	2370.9	2151.1	2008.1	1872.6	1813.9	1822.5
15°	3172.2	3079.4	2858.3	2637.2	2375.8	2082.7	1845.7	1661.2	1567.2	1529.3	1529.3
17.5°	3164.9	3047.6	2807.0	2465.0	2134.0	1787.1	1526.9	1415.7	1376.6	1376.6	1387.6
20°	3168.6	3068.4	2703.2	2292.8	1848.1	1504.9	1315.6	1275.2	1292.3	1298.5	1304.6
22.5°	3189.3	3000.0	2601.8	2103.4	1583.1	1287.5	1194.6	1195.9	1226.4	1259.4	1253.3
25°	3215.0	2973.1	2478.4	1915.3	1380.3	1181.2	1151.9	1148.2	1171.4	1188.5	1191.0
27.5°	3193.0	2926.7	2352.6	1680.8	1214.2	1110.3	1104.2	1106.7	1114.0	1148.2	1137.2
30°	3265.1	2940.2	2195.0	1484.1	1122.6	1087.1	1079.8	1076.1	1087.1	1096.9	1088.4
32.5°	3354.2	2892.5	2077.8	1294.8	1077.4	1070.0	1055.4	1050.5	1056.6	1046.8	1051.7
35°	3393.3	2884.0	1925.1	1159.2	1041.9	1035.8	1027.3	1026.1	1027.3	1018.7	1011.4
37.5°	3415.3	2924.3	1750.4	1096.9	1020.0	1026.1	1006.5	1004.1	982.1	987.0	990.6
40°	3453.2	2862.0	1608.7	1037.1	1006.5	994.3	977.2	973.5	958.9	950.3	958.9
42.5°	3398.2	2843.7	1469.5	1011.4	987.0	973.5	961.3	940.6	935.7	928.3	923.5
45°	3354.2	2738.6	1344.9	979.6	963.8	956.4	933.2	911.2	892.9	900.2	889.3
47.5°	3387.2	2702.0	1221.5	952.8	932.0	923.5	900.2	883.1	864.8	856.3	853.8
50°	3519.1	2770.4	1117.7	933.2	905.1	900.2	869.7	850.2	833.1	827.0	829.4
52.5°	3834.3	2957.3	1046.8	892.9	879.5	857.5	840.4	816.0	805.0	785.4	797.6
55°	4233.7	3261.4	1028.5	855.1	847.7	828.2	805.0	786.6	765.9	750.0	746.3
56°	4362.0	3406.8	1013.8	840.4	828.2	817.2	786.6	775.7	742.7	739.0	736.6
57.5°	4465.8	3535.0	1016.3	812.3	800.1	790.3	772.0	745.1	723.1	709.7	715.8
60°	4231.3	3309.0	969.9	769.5	767.1	748.8	723.1	710.9	684.0	668.2	664.5
62.5°	3145.4	2246.3	786.6	714.6	713.4	693.8	664.5	651.1	646.2	624.2	624.2
65°	1811.5	1408.4	680.4	669.4	659.6	640.1	610.8	599.8	587.5	580.2	574.1
67.5°	773.2	730.5	618.1	616.9	605.9	581.4	552.1	535.0	519.1	504.5	511.8
70°	560.7	569.2	558.2	552.1	538.7	508.1	482.5	461.7	437.3	427.5	434.9
72.5°	444.6	462.9	478.8	480.1	464.2	428.7	400.7	372.6	345.7	332.2	338.4
75°	337.1	349.3	365.2	368.9	345.7	321.3	294.4	265.1	244.3	228.4	230.9
77.5°	243.1	240.6	255.3	252.9	241.9	224.8	200.3	173.5	150.2	135.6	136.8
80°	166.1	169.8	178.3	177.1	163.7	152.7	134.4	112.4	95.3	83.1	80.6
82.5°	116.0	122.2	129.5	123.4	112.4	101.4	87.9	72.1	58.6	48.9	46.4
85°	41.5	47.6	55.0	58.6	62.3	59.9	50.1	40.3	29.3	24.4	23.2
87.5°	8.6	9.8	11.0	11.0	11.0	9.8	8.6	8.6	7.3	3.7	3.7
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)