

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: STREETWORKS

Report Number: P553499

Luminaire Tested: **VERD-G-CA2-140-722-U-T3**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-140-722-U-T3
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1290mA LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16696 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

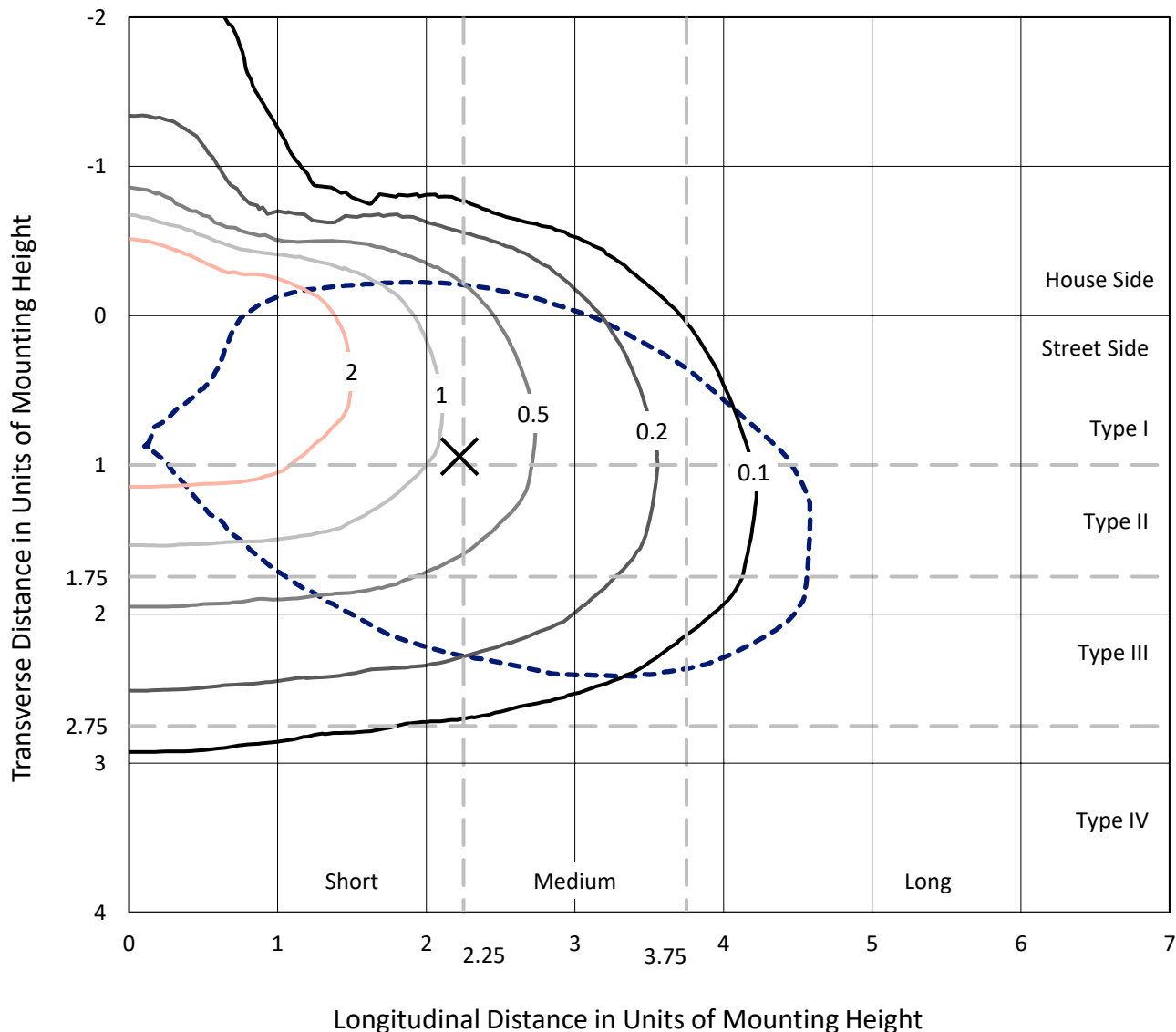
Input Watts (W): 142.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P553499
 CATALOG NUMBER: VERD-G-CA2-140-722-U-T3

Iso-Footcandle Lines of Horizontal Illumination

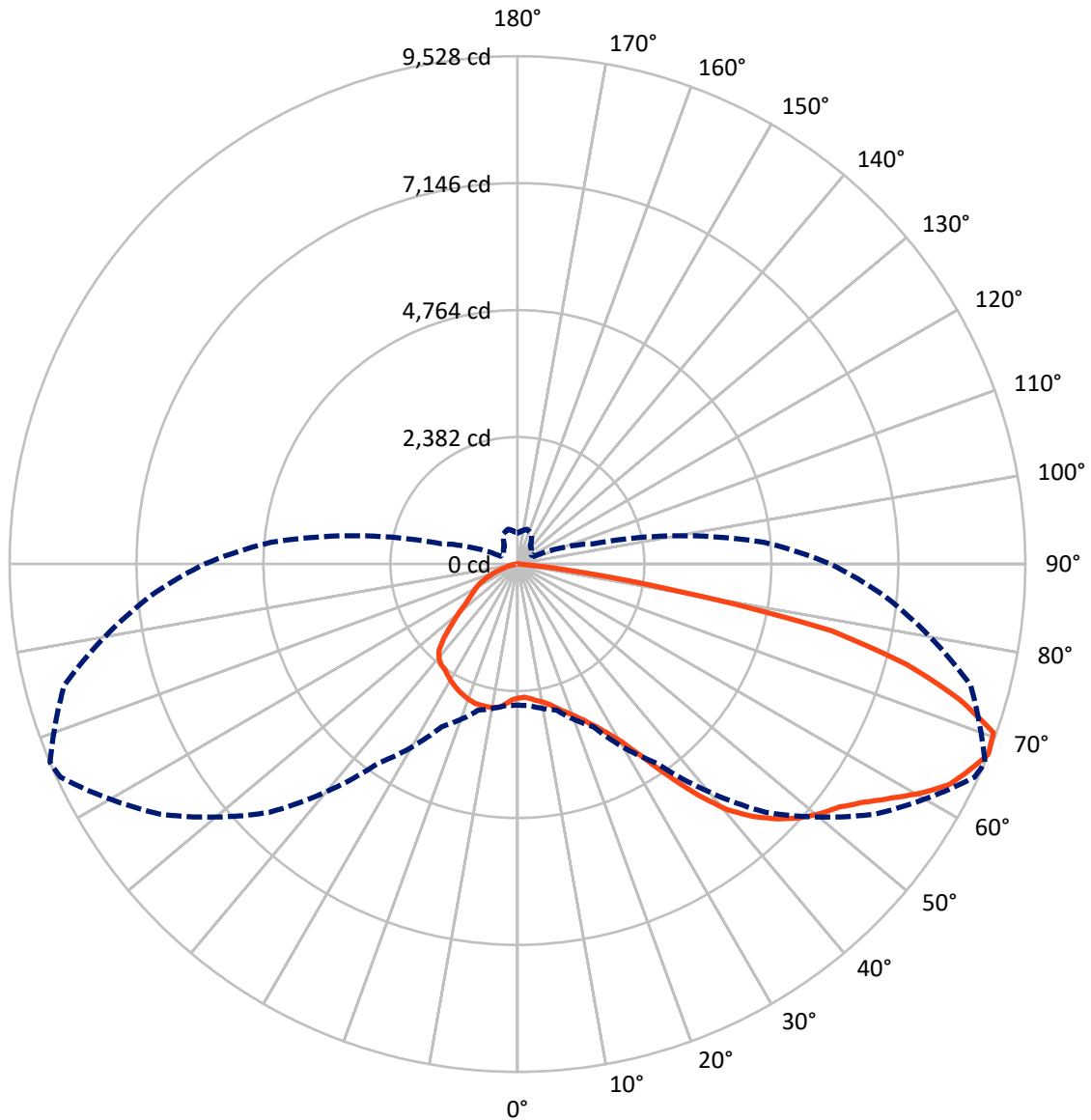
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type III - Short - N/A

REPORT NUMBER: P553499
CATALOG NUMBER: VERD-G-CA2-140-722-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P553499

CATALOG NUMBER: VERD-G-CA2-140-722-U-T3

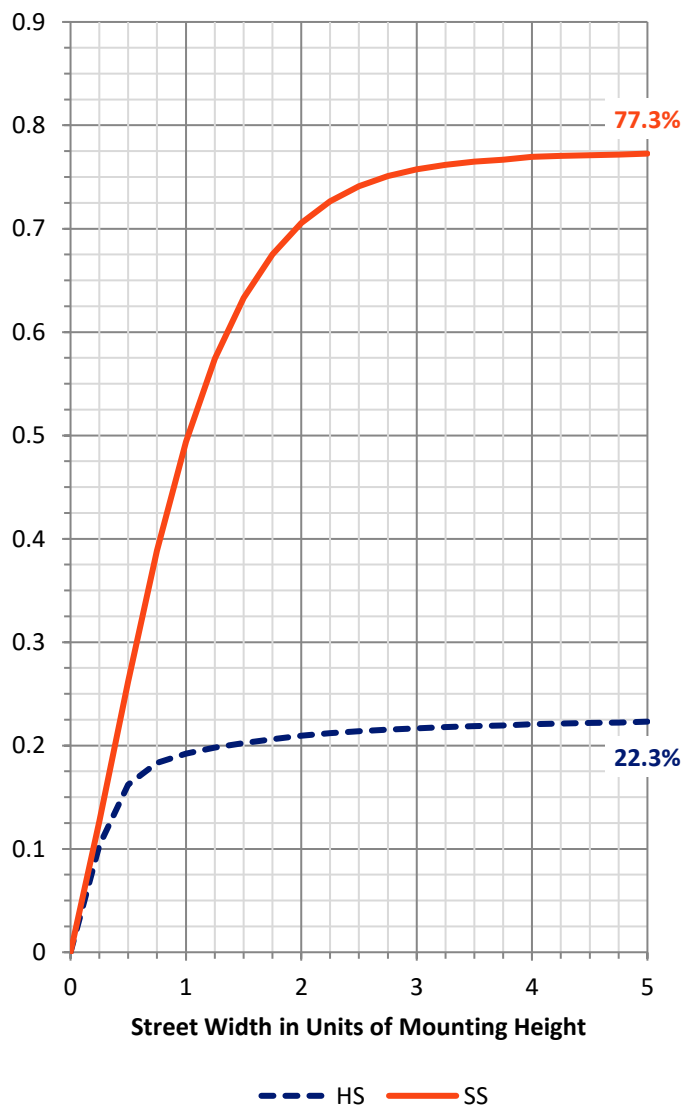
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3788.4	0.0	3788.4
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	12907.6	0.0	12907.6
	% Fixture	77.3	0.0	77.3
Total	Lumens	16696.0	0.0	16696.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.0	1.5
10°-20°	807.0	4.8
20°-30°	1384.1	8.3
30°-40°	2059.8	12.3
40°-50°	2816.3	16.9
50°-60°	3382.8	20.3
60°-70°	3588.7	21.5
70°-80°	2192.3	13.1
80°-90°	209.9	1.3
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°	16696.0	100.0
0°-180°	16696.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553499

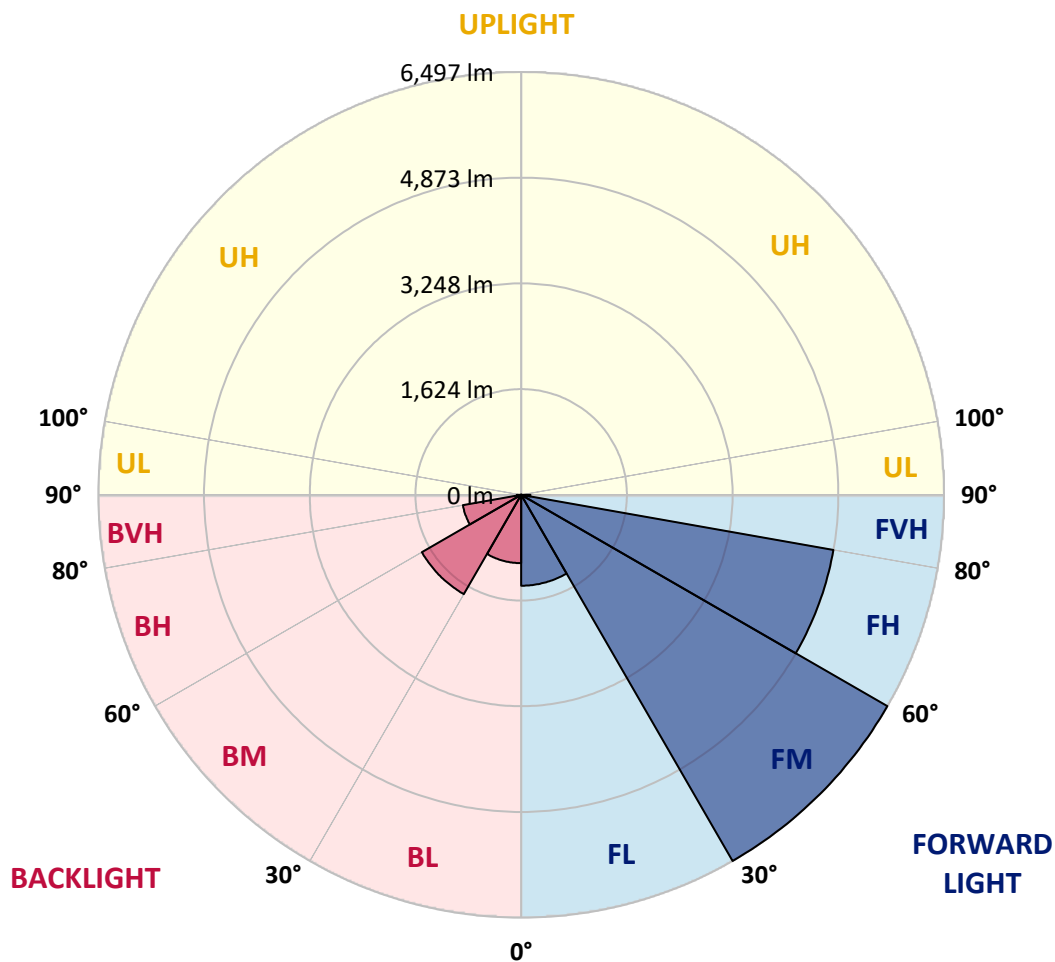
CATALOG NUMBER: VERD-G-CA2-140-722-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1396.5	8.4			
FM (30°-60°)	6496.8	38.9			
FH (60°-80°)	4871.4	29.2			G2/5000
FVH (80°-90°)	143.0	0.9			G2/225
BL (0°-30°)	1049.6	6.3	B3/2500		
BM (30°-60°)	1762.2	10.6	B2/2500		
BH (60°-80°)	909.6	5.4	B2/1000		G2/1000
BVH (80°-90°)	67.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type III Short





REPORT NUMBER: P553499
 CATALOG NUMBER: VERD-G-CA2-140-722-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2517.3	2517.3	2517.3	2517.3	2517.3	2517.3	2517.3	2517.3	2517.3	2517.3	2517.3
2.5°	2557.1	2569.3	2549.4	2536.1	2521.7	2529.5	2510.7	2510.7	2501.8	2516.2	2507.3
5°	2640.1	2651.1	2616.8	2589.2	2587.0	2563.8	2561.5	2550.5	2537.2	2549.4	2561.5
7.5°	2750.7	2746.2	2721.9	2689.8	2657.8	2644.5	2622.4	2605.8	2585.9	2596.9	2600.3
10°	2885.6	2877.9	2845.8	2794.9	2769.5	2733.0	2677.7	2646.7	2632.3	2643.4	2646.7
12.5°	3029.4	3019.4	2988.5	2932.1	2887.8	2830.3	2767.3	2717.5	2707.5	2696.5	2715.3
15°	3190.9	3173.2	3146.6	3101.3	3032.7	2957.5	2871.2	2823.7	2809.3	2790.5	2781.6
17.5°	3365.6	3363.4	3329.1	3279.3	3209.7	3105.7	2995.1	2921.0	2921.0	2913.3	2865.7
20°	3553.6	3544.8	3510.5	3482.9	3384.4	3274.9	3140.0	3046.0	3036.0	3020.5	2942.0
22.5°	3742.8	3743.9	3699.6	3678.6	3605.6	3465.2	3294.8	3200.8	3180.9	3159.9	3023.9
25°	3914.2	3916.4	3903.1	3864.4	3804.7	3675.3	3497.2	3372.3	3361.2	3332.4	3167.6
27.5°	4087.9	4115.5	4076.8	4081.2	4054.7	3906.5	3728.4	3576.9	3587.9	3524.9	3299.3
30°	4293.6	4303.5	4284.7	4290.3	4273.7	4176.3	4003.8	3881.0	3881.0	3809.1	3522.7
32.5°	4458.4	4449.5	4450.6	4508.1	4515.9	4462.8	4321.2	4281.4	4315.7	4306.8	4049.1
35°	4540.2	4555.7	4598.8	4730.4	4794.6	4762.5	4745.9	4799.0	4885.3	4940.6	4624.3
37.5°	4645.3	4692.8	4747.0	4894.1	5012.5	5101.0	5191.7	5366.4	5490.3	5562.2	5170.6
40°	4753.7	4758.1	4866.5	5049.0	5280.1	5420.6	5636.3	5937.1	6058.8	6004.6	5473.7
42.5°	4669.6	4680.7	4831.1	5156.3	5446.0	5805.5	6038.9	6386.2	6470.2	6305.4	5786.7
45°	4561.2	4582.2	4772.5	5156.3	5628.5	6158.3	6424.9	6812.0	6821.9	6599.6	5975.8
47.5°	4465.0	4482.7	4682.9	5116.4	5800.0	6468.0	6735.7	7050.9	7118.3	6839.6	6226.9
50°	4336.7	4380.9	4577.8	5081.1	5879.6	6683.7	7011.1	7338.4	7361.7	7066.4	6414.9
52.5°	4197.3	4236.1	4478.3	5014.7	5981.4	6861.7	7193.6	7614.9	7571.8	7369.4	6626.2
55°	4009.3	4043.6	4323.4	4908.5	5993.5	6958.0	7325.2	7871.5	7888.1	7621.6	6830.8
57.5°	3793.6	3851.2	4105.5	4711.6	5881.8	6986.7	7551.9	8218.8	8283.0	7933.5	6994.5
60°	3560.3	3605.6	3894.3	4502.6	5733.6	7095.1	7862.7	8669.0	8719.9	8205.6	7060.8
62.5°	3321.4	3359.0	3597.9	4188.5	5461.5	7116.1	8133.7	9121.3	9104.8	8447.8	7152.6
65°	3023.9	3027.2	3252.8	3809.1	5083.3	6965.7	8273.0	9304.9	9321.5	8667.9	7047.6
67.5°	2645.6	2666.6	2838.0	3366.7	4567.9	6587.5	8184.5	9463.1	9528.4	8803.9	6913.7
70°	2107.0	2119.1	2298.3	2790.5	3883.2	6002.4	8016.4	9487.4	9473.1	8628.1	6545.4
72.5°	1498.7	1545.1	1665.7	1962.1	2979.6	4912.9	7256.6	8736.5	8670.1	7949.0	5838.7
75°	963.3	967.8	1088.3	1281.9	1744.2	3482.9	6048.8	7530.9	7558.5	6894.9	4753.7
77.5°	318.5	359.5	399.3	540.8	723.3	1450.0	4083.4	5936.0	6020.1	5431.7	3244.0
80°	140.5	140.5	237.8	306.4	390.4	621.6	1629.2	2686.5	2944.2	2532.8	1249.8
82.5°	102.9	105.1	159.3	182.5	153.7	258.8	585.1	860.5	912.5	819.6	496.6
85°	58.6	60.8	68.6	78.5	65.3	105.1	129.4	132.7	133.8	116.1	90.7
87.5°	26.5	26.5	24.3	21.0	12.2	7.7	7.7	5.5	6.6	5.5	4.4
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: P553499
 CATALOG NUMBER: VERD-G-CA2-140-722-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2517.3	2517.3	2517.3	2517.3	2517.3	2517.3	2517.3	2517.3	2517.3	2517.3	2517.3
2.5°	2504.0	2515.1	2539.4	2543.8	2554.9	2571.5	2592.5	2602.5	2635.6	2651.1	2655.6
5°	2563.8	2569.3	2611.3	2625.7	2675.5	2700.9	2723.0	2738.5	2779.4	2789.4	2807.1
7.5°	2609.1	2627.9	2678.8	2710.9	2741.8	2768.4	2766.2	2802.7	2823.7	2840.3	2846.9
10°	2655.6	2665.5	2717.5	2731.9	2755.1	2775.0	2780.5	2790.5	2796.0	2819.2	2827.0
12.5°	2727.4	2720.8	2727.4	2739.6	2758.4	2754.0	2766.2	2751.8	2759.5	2789.4	2778.3
15°	2780.5	2765.1	2736.3	2737.4	2725.2	2719.7	2702.0	2689.8	2688.7	2695.4	2706.4
17.5°	2840.3	2794.9	2741.8	2727.4	2682.1	2637.9	2606.9	2573.7	2568.2	2574.8	2567.1
20°	2892.2	2831.4	2739.6	2694.3	2605.8	2526.1	2480.8	2431.0	2428.8	2424.4	2415.5
22.5°	2955.3	2879.0	2738.5	2646.7	2541.6	2413.3	2319.3	2281.7	2236.4	2254.1	2251.9
25°	3049.3	2954.2	2748.5	2595.8	2425.5	2272.9	2152.3	2069.4	2024.0	2014.1	2018.5
27.5°	3165.4	3039.3	2754.0	2531.7	2319.3	2101.4	1910.1	1785.1	1757.5	1721.0	1724.3
30°	3334.7	3155.5	2780.5	2460.9	2163.4	1882.4	1654.6	1492.0	1445.6	1453.3	1455.5
32.5°	3733.9	3394.4	2799.3	2379.0	1991.9	1640.2	1342.7	1180.1	1143.6	1156.9	1164.6
35°	4258.2	3852.3	2902.2	2274.0	1797.3	1357.1	1029.7	937.9	945.6	971.1	977.7
37.5°	4778.0	4337.8	3128.9	2182.2	1548.4	1038.6	821.8	767.6	812.9	837.3	845.0
40°	5097.6	4660.8	3378.9	2040.6	1232.1	763.2	626.0	595.0	647.0	703.4	731.1
42.5°	5420.6	4925.1	3541.5	1868.1	881.5	555.2	465.6	491.1	576.2	632.6	645.9
45°	5626.3	5061.1	3557.0	1593.8	587.3	430.2	424.7	478.9	566.3	611.6	619.4
47.5°	5826.5	5243.6	3491.7	1276.3	442.4	409.2	421.4	484.4	570.7	621.6	620.5
50°	6025.6	5422.8	3350.1	1013.1	418.1	396.0	428.0	495.5	578.4	617.2	617.2
52.5°	6147.3	5511.3	3065.9	806.3	402.6	388.2	431.3	499.9	570.7	592.8	589.5
55°	6293.3	5532.3	2874.5	671.4	386.0	382.7	438.0	512.1	569.6	571.8	564.1
57.5°	6369.6	5480.3	2718.6	570.7	371.6	384.9	445.7	515.4	601.7	628.2	632.6
60°	6336.4	5417.3	2541.6	507.7	358.4	381.6	443.5	540.8	701.2	756.5	746.6
62.5°	6304.3	5298.9	2244.1	455.7	344.0	383.8	441.3	599.5	824.0	766.5	735.5
65°	6188.2	5053.4	1857.0	405.9	326.3	384.9	436.9	662.5	843.9	774.2	721.1
67.5°	5869.6	4644.2	1468.8	352.8	305.3	369.4	426.9	622.7	675.8	608.3	579.6
70°	5395.2	4051.4	1007.6	305.3	279.8	350.6	420.3	589.5	634.9	587.3	550.8
72.5°	4629.8	3183.1	558.5	255.5	245.5	327.4	419.2	581.8	639.3	503.2	463.4
75°	3520.5	2111.4	362.8	200.2	201.3	292.0	399.3	555.2	619.4	473.4	419.2
77.5°	2073.8	889.2	253.3	142.7	157.1	226.7	355.0	532.0	586.2	463.4	419.2
80°	704.5	391.5	164.8	96.2	96.2	144.9	253.3	434.7	522.0	451.3	446.8
82.5°	366.1	248.9	105.1	59.7	55.3	69.7	155.9	298.6	419.2	382.7	435.8
85°	73.0	52.0	33.2	24.3	26.5	35.4	55.3	151.5	265.4	295.3	353.9
87.5°	5.5	4.4	6.6	6.6	6.6	6.6	7.7	37.6	106.2	130.5	161.5
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)