

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: P553538

Luminaire Tested: **VERD-G-CA2-140-760-U-T3-HSS**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553538
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-140-760-U-T3-HSS
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1290mA LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18909 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

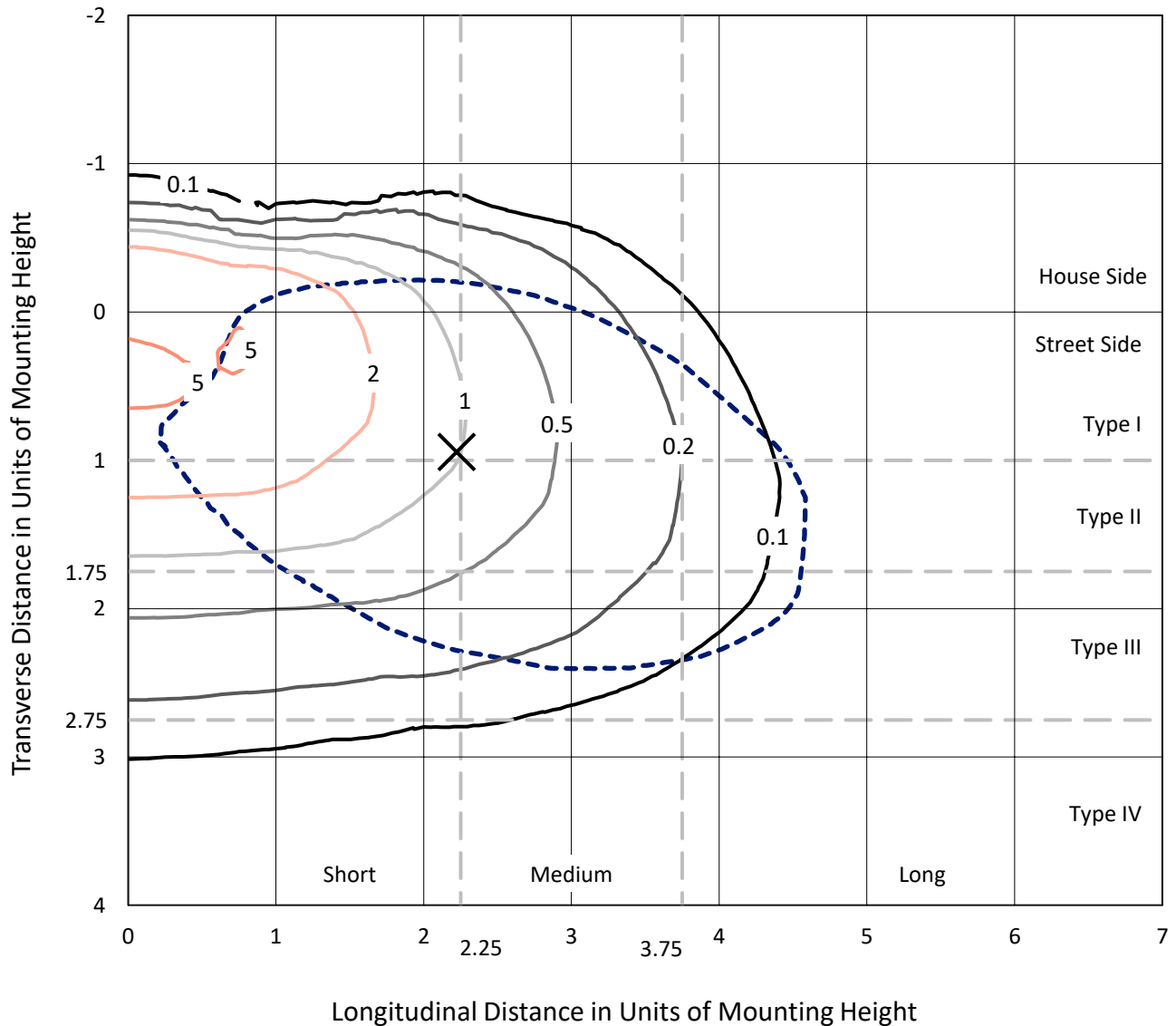
Input Watts (W): 142.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P553538
 CATALOG NUMBER: VERD-G-CA2-140-760-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

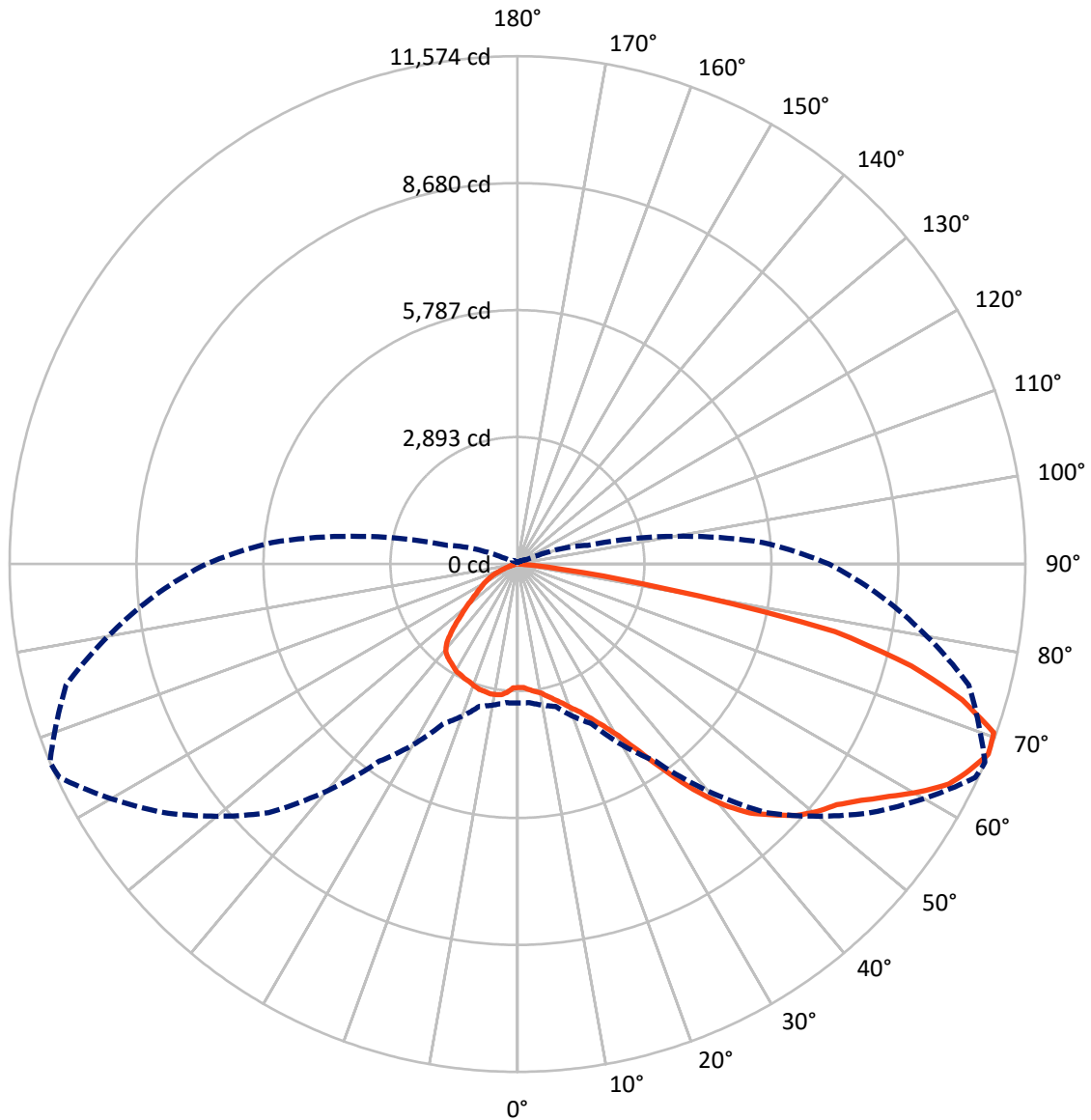
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type III - Short - N/A

REPORT NUMBER: P553538
CATALOG NUMBER: VERD-G-CA2-140-760-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P553538

CATALOG NUMBER: VERD-G-CA2-140-760-U-T3-HSS

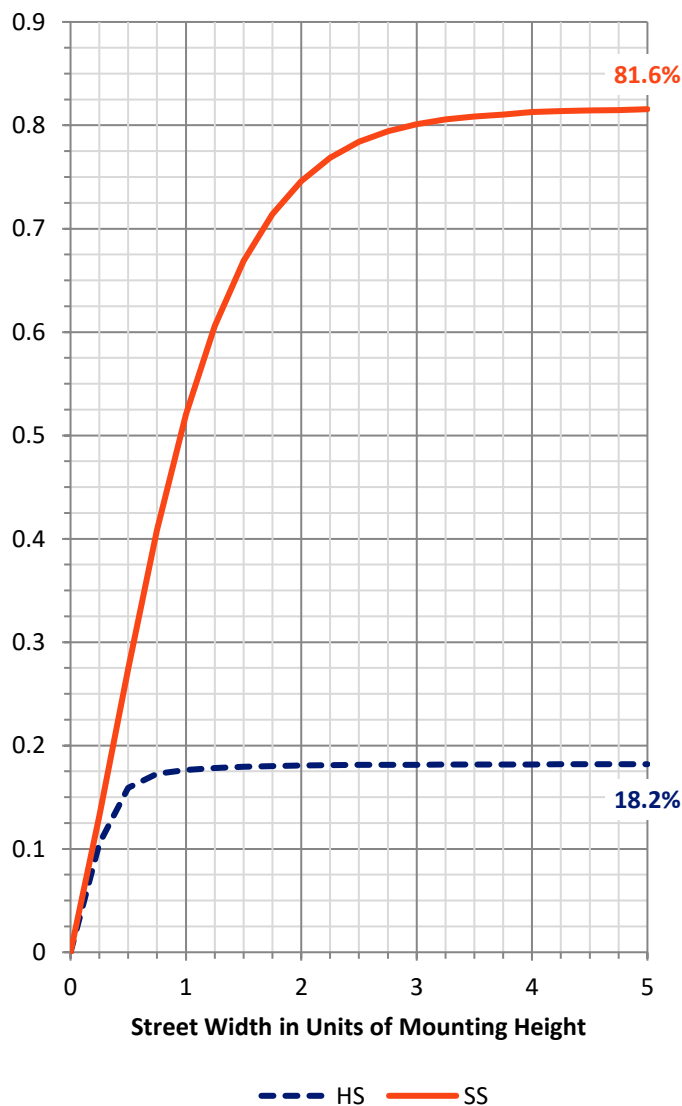
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3480.4	0.0	3480.4
	% Fixture	18.4	0.0	18.4
Street Side	Lumens	15428.6	0.0	15428.6
	% Fixture	81.6	0.0	81.6
Total	Lumens	18909.0	0.0	18909.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.1	1.5
10°-20°	885.1	4.7
20°-30°	1509.0	8.0
30°-40°	2301.6	12.2
40°-50°	3244.5	17.2
50°-60°	3921.7	20.7
60°-70°	4130.3	21.8
70°-80°	2457.0	13.0
80°-90°	176.6	0.9
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°	18909.0	100.0
0°-180°	18909.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553538

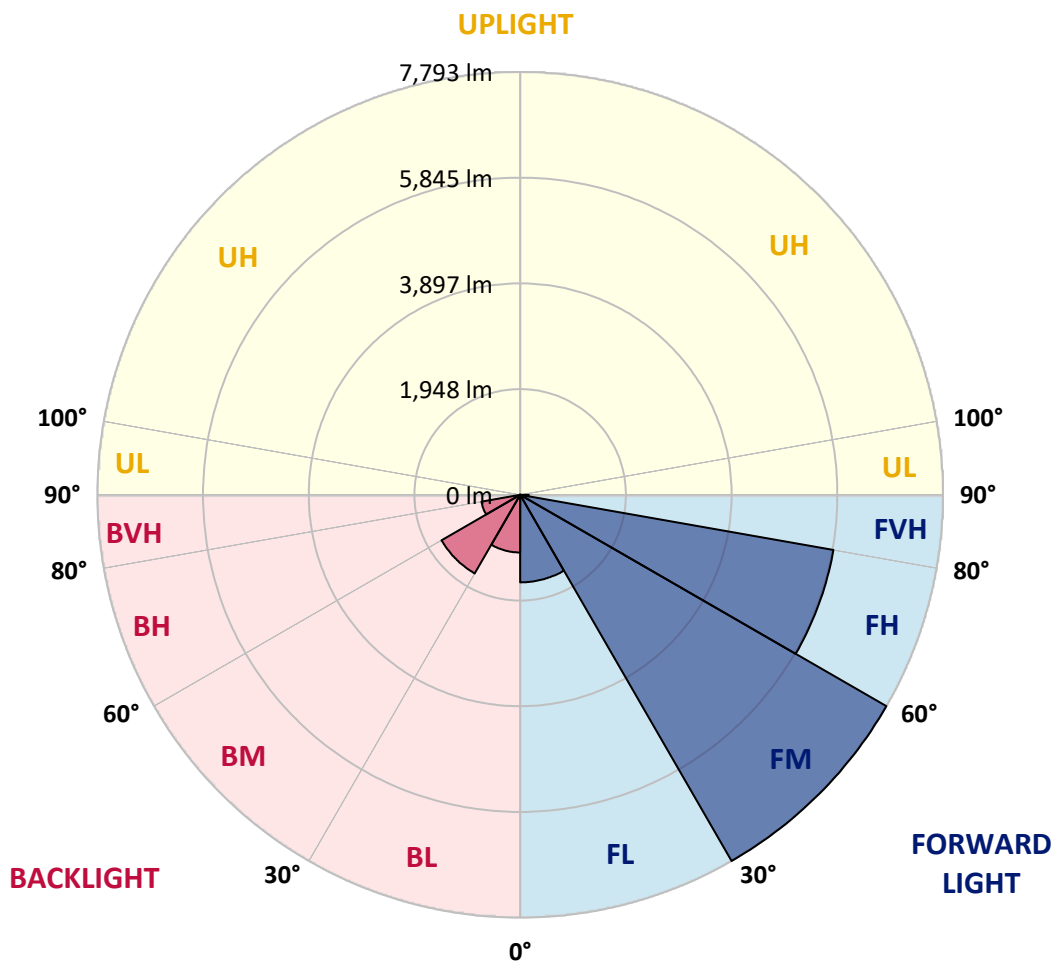
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1614.3	8.5			
FM (30°-60°)	7793.4	41.2			
FH (60°-80°)	5862.8	31.0			G3/7500
FVH (80°-90°)	158.1	0.8			G2/225
BL (0°-30°)	1062.9	5.6	B3/2500		
BM (30°-60°)	1674.4	8.9	B2/2500		
BH (60°-80°)	724.6	3.8	B2/1000		G2/1000
BVH (80°-90°)	18.6	0.1			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 III Short





REPORT NUMBER: P553538

CATALOG NUMBER: VERD-G-CA2-140-760-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2815.0	2815.0	2815.0	2815.0	2815.0	2815.0	2815.0	2815.0	2815.0	2815.0	2815.0
2.5°	2874.5	2885.3	2863.6	2858.2	2829.8	2833.9	2828.5	2815.0	2820.4	2809.5	2816.3
5°	2985.4	2957.0	2948.9	2932.6	2906.9	2892.1	2870.4	2863.6	2878.5	2866.4	2869.1
7.5°	3103.1	3108.5	3072.0	3040.9	2994.9	2984.0	2946.2	2923.2	2938.0	2921.8	2931.3
10°	3250.5	3258.6	3219.4	3177.5	3138.2	3081.4	3034.1	2997.6	2993.5	2985.4	2998.9
12.5°	3444.0	3442.6	3399.3	3347.9	3270.8	3231.6	3141.0	3089.5	3096.3	3066.6	3063.8
15°	3668.5	3649.6	3599.5	3546.8	3450.7	3373.6	3264.0	3200.5	3211.3	3177.5	3169.4
17.5°	3887.6	3868.7	3829.5	3771.3	3683.4	3564.3	3430.4	3338.4	3335.7	3319.5	3270.8
20°	4112.2	4120.3	4067.5	4014.8	3926.9	3767.2	3615.7	3496.7	3499.4	3471.0	3376.3
22.5°	4374.6	4359.7	4296.2	4271.8	4171.7	3997.2	3828.1	3691.5	3664.4	3659.0	3495.4
25°	4624.9	4615.4	4557.2	4528.8	4444.9	4285.3	4066.2	3902.5	3898.5	3880.9	3649.6
27.5°	4823.7	4834.5	4829.1	4808.8	4716.8	4559.9	4367.8	4171.7	4174.4	4148.7	3849.8
30°	5106.4	5073.9	5061.8	5078.0	5069.9	4900.8	4696.5	4554.5	4545.0	4478.8	4102.7
32.5°	5271.4	5287.7	5303.9	5360.7	5362.1	5236.3	5103.7	5036.1	5073.9	5084.8	4731.7
35°	5422.9	5422.9	5516.3	5659.7	5709.7	5666.4	5609.6	5694.8	5769.2	5919.4	5505.5
37.5°	5558.2	5597.4	5685.4	5865.3	6028.9	6070.9	6195.3	6429.3	6520.0	6656.6	6157.5
40°	5671.8	5700.2	5812.5	6033.0	6314.4	6506.5	6739.1	7111.1	7205.8	7180.1	6520.0
42.5°	5546.0	5592.0	5771.9	6225.1	6579.5	6940.7	7245.0	7646.8	7761.7	7523.7	6901.4
45°	5478.4	5496.0	5684.0	6198.0	6774.3	7380.3	7725.2	8155.4	8155.4	7888.9	7170.6
47.5°	5343.1	5374.2	5597.4	6162.9	6981.2	7746.9	8095.9	8534.1	8562.5	8233.8	7438.5
50°	5206.5	5245.7	5498.7	6100.6	7097.6	8114.8	8411.0	8850.7	8861.5	8470.6	7675.2
52.5°	5071.2	5091.5	5374.2	6060.1	7226.1	8304.2	8682.9	9107.7	9113.1	8825.0	7936.2
55°	4829.1	4879.2	5171.3	5911.3	7219.3	8390.8	8825.0	9451.3	9504.0	9210.5	8193.3
57.5°	4601.9	4616.7	4936.0	5696.2	7109.8	8490.9	9130.7	9943.6	9995.0	9560.8	8384.0
60°	4298.9	4315.1	4658.7	5440.5	6947.4	8590.9	9518.9	10518.5	10541.5	9928.8	8527.4
62.5°	3982.3	4037.8	4320.5	5048.2	6610.6	8608.5	9847.6	11048.8	11039.3	10248.0	8622.1
65°	3610.3	3630.6	3902.5	4589.7	6095.2	8474.6	9982.9	11305.8	11328.8	10472.5	8559.8
67.5°	3163.9	3172.1	3358.7	4018.8	5485.2	8013.3	9870.6	11515.5	11573.6	10648.4	8300.1
70°	2499.8	2511.9	2683.7	3311.4	4619.4	7307.2	9681.2	11539.8	11515.5	10490.1	7905.1
72.5°	1742.3	1724.7	1892.4	2322.6	3498.1	6010.0	8766.8	10557.8	10601.1	9705.6	7078.6
75°	834.6	840.0	1172.8	1428.4	1964.1	4293.4	7296.4	9091.4	9272.7	8458.4	5766.5
77.5°	142.0	144.7	309.8	562.7	791.3	1801.8	4838.6	7241.0	7395.2	6639.0	3903.9
80°	113.6	113.6	151.5	303.0	419.3	746.7	1832.9	3209.9	3377.7	3007.0	1439.3
82.5°	77.1	81.2	108.2	177.2	148.8	292.2	665.5	1015.9	1042.9	945.5	591.1
85°	43.3	44.6	55.5	71.7	62.2	108.2	136.6	139.3	147.4	115.0	87.9
87.5°	5.4	12.2	12.2	12.2	5.4	5.4	4.1	4.1	5.4	4.1	4.1
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: P553538

CATALOG NUMBER: VERD-G-CA2-140-760-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2815.0	2815.0	2815.0	2815.0	2815.0	2815.0	2815.0	2815.0	2815.0	2815.0	2815.0
2.5°	2812.2	2796.0	2831.2	2824.4	2848.8	2844.7	2865.0	2875.8	2898.8	2928.6	2925.9
5°	2871.8	2870.4	2912.3	2932.6	2954.3	2974.6	2975.9	2996.2	3016.5	3061.1	3059.8
7.5°	2928.6	2940.8	3000.3	3001.6	3009.7	3024.6	3004.3	3011.1	3016.5	3032.7	3038.1
10°	2994.9	3017.9	3019.2	3013.8	2988.1	2986.7	2940.8	2946.2	2921.8	2940.8	2931.3
12.5°	3080.1	3061.1	3050.3	3013.8	2974.6	2921.8	2878.5	2819.0	2805.5	2805.5	2809.5
15°	3163.9	3135.5	3042.2	2984.0	2912.3	2828.5	2758.1	2690.5	2656.7	2641.8	2639.1
17.5°	3237.0	3177.5	3044.9	2969.2	2833.9	2710.8	2605.3	2497.1	2444.3	2410.5	2405.1
20°	3296.5	3232.9	3053.0	2920.5	2748.7	2567.4	2407.8	2271.2	2167.0	2089.9	2098.0
22.5°	3396.6	3295.2	3047.6	2862.3	2649.9	2414.6	2173.8	1985.8	1811.3	1768.0	1780.1
25°	3517.0	3384.4	3078.7	2827.1	2534.9	2222.5	1905.9	1688.2	1501.5	1442.0	1446.0
27.5°	3656.3	3492.7	3113.9	2769.0	2415.9	1985.8	1604.3	1335.1	1186.3	1068.6	1059.2
30°	3878.2	3640.1	3151.8	2731.1	2249.5	1722.0	1275.6	995.6	808.9	745.3	745.3
32.5°	4399.0	3939.0	3212.6	2640.5	2030.4	1427.1	930.7	652.0	487.0	430.2	431.5
35°	5060.4	4542.3	3350.6	2529.5	1772.0	1082.2	574.9	362.5	285.4	257.0	254.3
37.5°	5692.1	5096.9	3645.5	2399.7	1446.0	685.8	323.3	223.2	194.8	193.4	194.8
40°	6081.7	5535.2	3941.7	2226.5	1056.5	377.4	209.7	182.6	178.6	174.5	174.5
42.5°	6441.5	5836.9	4166.3	1961.4	630.4	228.6	184.0	166.4	163.7	156.9	156.9
45°	6733.7	6053.3	4183.9	1608.4	334.1	202.9	169.1	151.5	146.1	142.0	140.7
47.5°	7011.0	6264.3	4120.3	1232.3	238.1	188.0	158.3	139.3	132.6	135.3	133.9
50°	7197.7	6475.3	3947.2	968.5	227.3	174.5	146.1	127.2	124.4	129.9	128.5
52.5°	7399.2	6648.5	3610.3	753.4	211.0	161.0	133.9	119.0	113.6	117.7	119.0
55°	7558.8	6645.8	3362.8	588.4	200.2	150.1	125.8	112.3	102.8	102.8	101.5
57.5°	7637.3	6582.2	3163.9	462.6	188.0	139.3	117.7	98.7	87.9	85.2	83.9
60°	7633.2	6520.0	2932.6	380.1	175.9	127.2	105.5	83.9	73.0	67.6	67.6
62.5°	7590.0	6373.9	2566.1	327.4	163.7	117.7	87.9	69.0	60.9	55.5	56.8
65°	7479.0	6092.5	2115.6	278.7	151.5	113.6	74.4	60.9	52.8	47.3	47.3
67.5°	7094.9	5620.4	1650.3	234.0	139.3	94.7	64.9	51.4	44.6	39.2	39.2
70°	6551.1	4900.8	1086.2	197.5	124.4	82.5	58.2	44.6	37.9	32.5	31.1
72.5°	5583.9	3916.0	551.9	169.1	106.9	73.0	51.4	39.2	32.5	27.1	25.7
75°	4282.6	2637.8	343.6	135.3	83.9	64.9	46.0	35.2	27.1	20.3	18.9
77.5°	2553.9	1061.9	243.5	94.7	56.8	51.4	37.9	28.4	21.6	14.9	14.9
80°	806.2	469.4	165.0	64.9	36.5	35.2	28.4	20.3	14.9	10.8	10.8
82.5°	455.9	297.6	110.9	43.3	25.7	23.0	16.2	12.2	9.5	8.1	8.1
85°	75.8	59.5	33.8	16.2	12.2	10.8	6.8	4.1	2.7	1.4	2.7
87.5°	4.1	4.1	5.4	5.4	5.4	4.1	2.7	0.0	0.0	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)