

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: P233940

Luminaire Tested: **VERD-G-C02H-D-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-33)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-C02H-D-U-T3-HSS
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1370mA LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17618 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type III - Medium - Semi-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 155
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: 28.75 FT

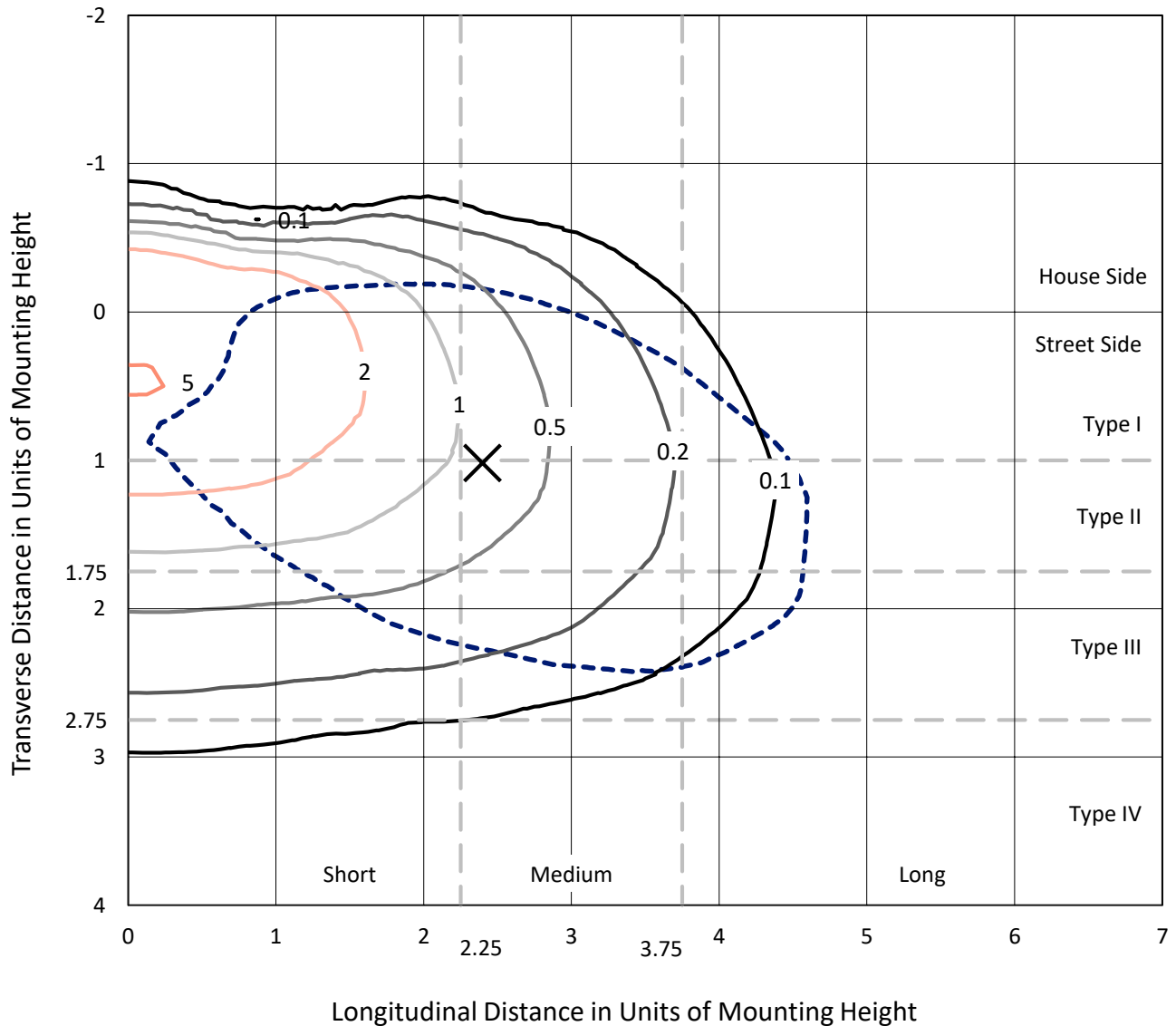


REPORT NUMBER: P233940

CATALOG NUMBER: VERD-G-C02H-D-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

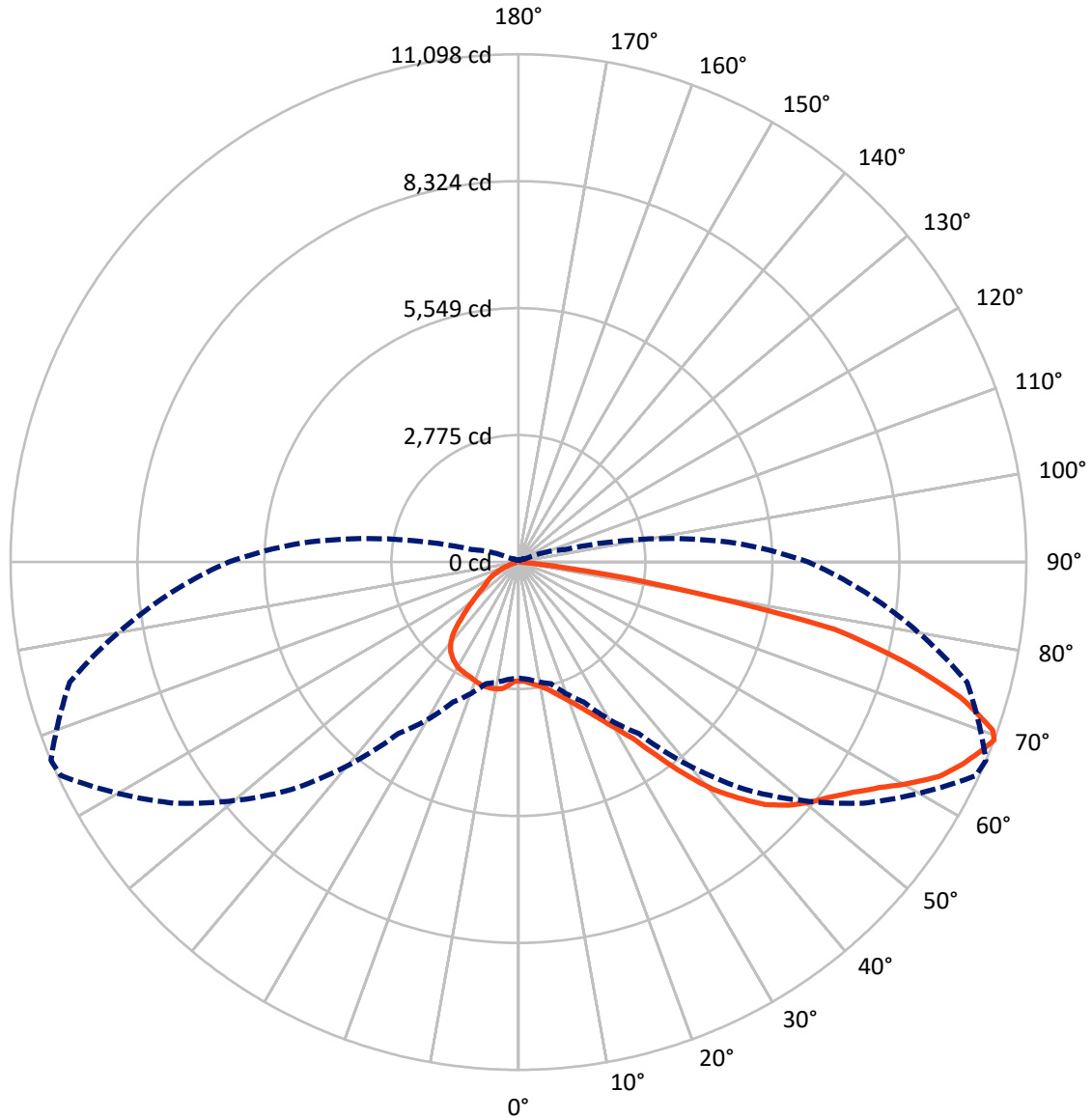


Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Medium - Semi-Cutoff

REPORT NUMBER: P233940

CATALOG NUMBER: VERD-G-C02H-D-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P233940

CATALOG NUMBER: VERD-G-C02H-D-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3176.0	0.0	3176.0
	% Fixture	18.0	0.0	18.0
Street Side	Lumens	14442.0	0.0	14442.0
	% Fixture	82.0	0.0	82.0
Total	Lumens	17618.0	0.0	17618.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.0	1.5
10°-20°	827.1	4.7
20°-30°	1411.7	8.0
30°-40°	2134.5	12.1
40°-50°	3015.5	17.1
50°-60°	3644.2	20.7
60°-70°	3845.3	21.8
70°-80°	2314.9	13.1
80°-90°	161.8	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°	17618.0	100.0
0°-180°	17618.0	100.0



REPORT NUMBER: P233940

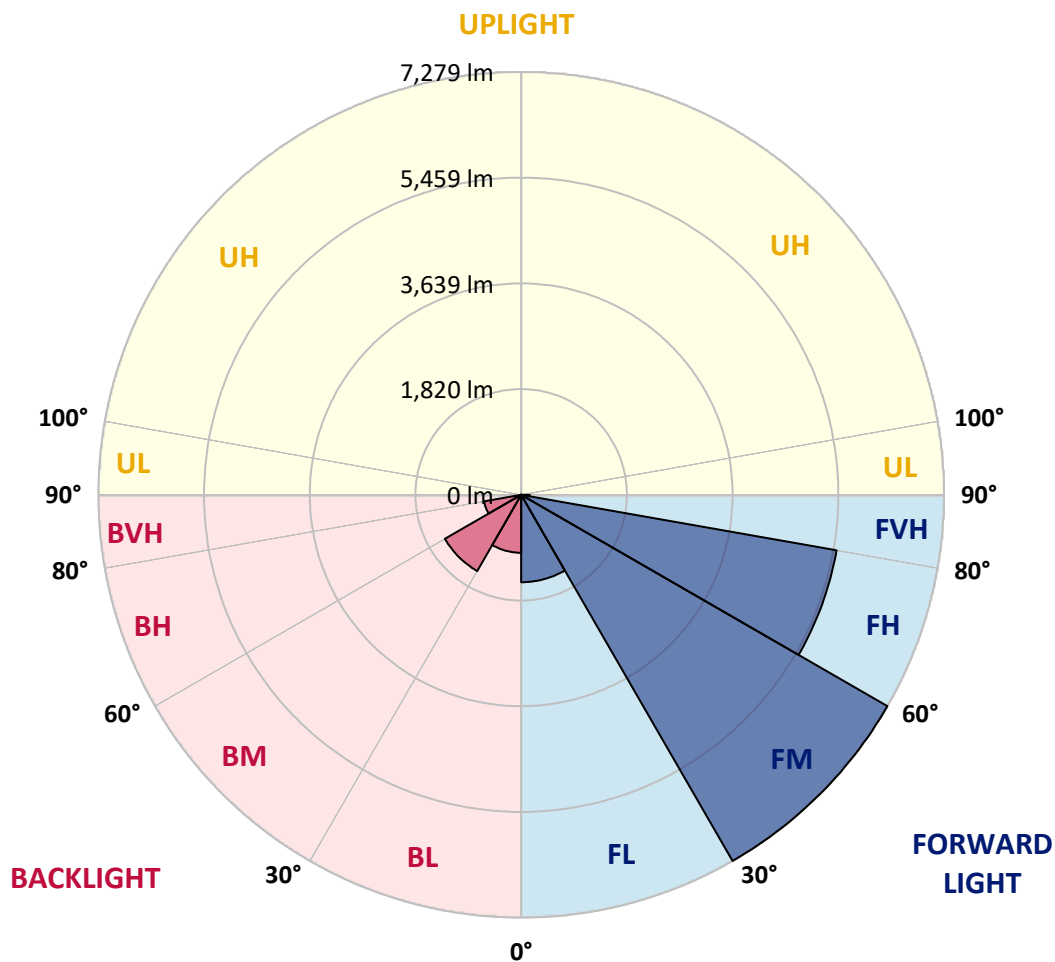
CATALOG NUMBER: VERD-G-C02H-D-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1504.4	8.5			
FM	(30°-60°)	7278.8	41.3			
FH	(60°-80°)	5512.7	31.3			G3/7500
FVH	(80°-90°)	146.1	0.8			G2/225
BL	(0°-30°)	997.4	5.7	B2/1000		
BM	(30°-60°)	1515.4	8.6	B2/2500		
BH	(60°-80°)	647.5	3.7	B2/1000		G2/1000
BVH	(80°-90°)	15.7	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





REPORT NUMBER: P233940

CATALOG NUMBER: VERD-G-C02H-D-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2605.4	2605.4	2605.4	2605.4	2605.4	2605.4	2605.4	2605.4	2605.4	2605.4	2605.4
2.5°	2672.8	2668.6	2668.6	2644.7	2622.3	2616.7	2615.3	2608.2	2609.6	2599.8	2590.0
5°	2750.0	2750.0	2747.2	2716.3	2692.5	2677.0	2667.2	2654.6	2656.0	2649.0	2640.5
7.5°	2866.5	2867.9	2862.3	2821.6	2797.8	2759.9	2737.4	2713.5	2712.1	2703.7	2706.5
10°	3009.7	3013.9	3005.5	2953.6	2912.9	2860.9	2813.2	2771.1	2768.3	2758.4	2766.9
12.5°	3171.2	3176.8	3155.7	3102.4	3056.1	2974.6	2917.1	2860.9	2852.5	2851.1	2856.7
15°	3356.5	3359.3	3352.3	3273.6	3217.5	3143.1	3049.0	2977.4	2969.0	2970.4	2963.4
17.5°	3562.8	3569.8	3554.4	3484.2	3409.8	3307.3	3195.0	3106.6	3102.4	3098.2	3067.3
20°	3781.8	3788.8	3779.0	3713.0	3624.6	3495.4	3357.9	3256.8	3255.4	3245.6	3174.0
22.5°	4028.9	4038.7	4033.1	3953.1	3859.0	3718.6	3547.4	3442.1	3439.3	3408.4	3300.3
25°	4297.0	4294.2	4299.8	4214.2	4125.7	3978.3	3766.4	3656.9	3656.9	3619.0	3458.9
27.5°	4556.7	4555.3	4565.1	4504.8	4412.1	4273.1	4017.7	3906.8	3916.6	3861.8	3649.9
30°	4809.4	4809.4	4833.3	4793.9	4725.2	4579.2	4329.3	4212.8	4225.4	4167.9	3891.3
32.5°	5045.2	5056.5	5097.2	5073.3	5021.4	4889.4	4676.0	4569.3	4598.8	4622.7	4340.5
35°	5219.3	5230.5	5324.6	5333.0	5320.4	5231.9	5073.3	5142.1	5177.2	5365.3	5050.8
37.5°	5372.3	5386.3	5498.7	5568.8	5609.5	5554.8	5564.6	5794.9	5860.8	6082.6	5657.3
40°	5484.6	5515.5	5626.4	5723.3	5866.4	5931.0	6091.1	6418.1	6524.8	6613.3	6074.2
42.5°	5407.4	5428.5	5623.6	5883.3	6092.5	6319.9	6579.6	6968.4	7048.4	7020.4	6442.0
45°	5293.7	5319.0	5523.9	5925.4	6272.1	6725.6	7042.8	7464.0	7555.2	7399.4	6759.3
47.5°	5166.0	5201.0	5422.8	5869.3	6422.3	7099.0	7462.6	7889.3	7942.7	7737.7	7026.0
50°	5036.8	5076.1	5327.4	5822.9	6538.9	7410.6	7768.6	8236.0	8251.5	8018.5	7266.0
52.5°	4862.7	4903.4	5178.6	5726.1	6620.3	7615.6	8036.7	8521.0	8530.8	8321.7	7493.4
55°	4642.3	4694.3	4984.9	5582.9	6639.9	7734.9	8206.6	8817.2	8883.2	8650.2	7680.1
57.5°	4382.6	4430.4	4750.4	5376.5	6541.7	7775.6	8443.8	9208.9	9300.1	8982.9	7834.6
60°	4083.6	4138.4	4459.8	5109.8	6343.7	7889.3	8836.9	9762.0	9816.7	9331.0	7970.7
62.5°	3777.6	3816.9	4108.9	4735.0	6034.9	7958.1	9185.0	10281.4	10317.9	9666.5	8052.1
65°	3342.4	3391.6	3676.5	4305.4	5589.9	7826.1	9318.4	10636.5	10659.0	9947.3	8012.8
67.5°	2869.3	2908.7	3116.4	3787.4	5005.9	7407.8	9263.6	10873.8	10945.4	10166.3	7834.6
69°	2533.8	2573.1	2752.8	3373.3	4572.1	7037.2	9186.4	11035.2	11098.4	10150.8	7607.1
70°	2272.7	2312.0	2481.9	3064.5	4232.4	6724.2	9064.3	10953.8	10994.5	9978.1	7385.3
72.5°	1625.6	1664.9	1803.9	2154.8	3206.3	5526.7	8307.6	10049.7	10104.5	9148.5	6600.6
75°	850.7	944.8	1194.6	1392.6	1899.3	3891.3	6906.7	8643.1	8723.2	8028.3	5428.5
77.5°	109.5	115.1	336.9	565.7	784.7	1641.0	4906.3	6940.3	7066.7	6425.2	3753.7
80°	88.4	89.8	116.5	282.2	390.3	665.4	1740.7	3248.4	3401.4	2855.3	1379.9
82.5°	61.8	64.6	91.2	148.8	127.7	242.9	605.0	918.1	946.2	818.4	550.3
85°	35.1	35.1	43.5	57.6	40.7	91.2	124.9	133.4	119.3	117.9	88.4
87.5°	9.8	11.2	12.6	9.8	4.2	4.2	5.6	5.6	5.6	4.2	4.2
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: P233940

CATALOG NUMBER: VERD-G-C02H-D-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2605.4	2605.4	2605.4	2605.4	2605.4	2605.4	2605.4	2605.4	2605.4	2605.4	2605.4
2.5°	2605.4	2602.6	2604.0	2609.6	2618.1	2649.0	2670.0	2672.8	2682.6	2719.1	2714.9
5°	2650.4	2667.2	2677.0	2706.5	2726.2	2768.3	2793.5	2796.4	2810.4	2848.3	2849.7
7.5°	2713.5	2741.6	2755.6	2789.3	2796.4	2816.0	2823.0	2816.0	2817.4	2851.1	2853.9
10°	2768.3	2803.4	2803.4	2811.8	2799.2	2800.6	2778.1	2757.0	2745.8	2775.3	2782.3
12.5°	2852.5	2862.3	2839.9	2814.6	2776.7	2743.0	2705.1	2671.4	2644.7	2661.6	2651.8
15°	2939.5	2924.1	2869.3	2803.4	2736.0	2678.4	2599.8	2550.7	2504.4	2514.2	2505.8
17.5°	3026.6	2976.0	2890.4	2780.9	2682.6	2573.1	2463.7	2386.4	2302.2	2295.2	2282.6
20°	3110.8	3037.8	2896.0	2734.6	2597.0	2442.6	2272.7	2140.8	2015.8	1983.6	1962.5
22.5°	3211.9	3106.6	2903.0	2689.7	2504.4	2293.8	2036.9	1831.9	1697.2	1652.3	1631.2
25°	3341.0	3202.0	2922.7	2656.0	2410.3	2109.9	1757.5	1523.1	1377.1	1299.9	1292.9
27.5°	3494.0	3317.2	2956.4	2612.5	2276.9	1864.2	1468.4	1224.1	1068.3	989.7	964.4
30°	3694.8	3460.3	2987.3	2578.8	2088.8	1596.1	1165.1	892.8	707.5	657.0	630.3
32.5°	4075.2	3693.4	3026.6	2500.2	1867.0	1302.7	825.4	550.3	423.9	390.3	390.3
35°	4694.3	4205.8	3124.8	2392.1	1600.3	949.0	495.5	308.8	252.7	233.0	223.2
37.5°	5253.0	4722.4	3370.5	2225.0	1276.0	561.5	283.6	190.9	172.7	175.5	175.5
40°	5647.5	5076.1	3641.4	1999.0	866.1	300.4	179.7	153.0	155.8	157.2	157.2
42.5°	5985.8	5377.9	3790.2	1730.9	471.7	195.1	154.4	139.0	143.2	141.8	140.4
45°	6269.3	5623.6	3839.4	1361.7	228.8	172.7	140.4	127.7	127.7	126.3	126.3
47.5°	6512.2	5841.2	3748.1	1012.1	185.3	158.6	133.4	117.9	116.5	123.5	123.5
50°	6734.0	6009.6	3520.7	766.5	179.7	146.0	126.3	109.5	110.9	120.7	120.7
52.5°	6919.3	6109.3	3183.8	574.2	167.1	134.8	116.5	102.5	102.5	112.3	112.3
55°	7056.9	6109.3	2926.9	429.6	160.0	123.5	108.1	98.3	92.7	95.5	96.9
57.5°	7125.6	5994.2	2720.5	348.1	151.6	112.3	99.7	85.6	75.8	78.6	77.2
60°	7107.4	5928.2	2483.3	310.2	141.8	103.9	88.4	73.0	63.2	60.4	60.4
62.5°	7073.7	5853.8	2187.1	269.5	132.0	96.9	73.0	59.0	53.3	50.5	51.9
65°	6946.0	5612.4	1812.3	224.6	122.1	94.1	61.8	51.9	46.3	43.5	43.5
67.5°	6637.1	5177.2	1370.1	189.5	113.7	75.8	53.3	44.9	39.3	36.5	36.5
69°	6331.1	4761.7	1051.4	172.7	108.1	68.8	49.1	40.7	36.5	32.3	32.3
70°	6067.2	4440.2	824.0	161.4	103.9	66.0	47.7	39.3	35.1	30.9	30.9
72.5°	5166.0	3522.1	418.3	140.4	87.0	57.6	42.1	35.1	29.5	25.3	25.3
75°	4007.8	2427.2	276.5	110.9	67.4	51.9	37.9	30.9	25.3	21.1	19.7
77.5°	2411.7	949.0	197.9	71.6	43.5	40.7	30.9	25.3	21.1	16.8	16.8
80°	665.4	407.1	133.4	47.7	25.3	26.7	22.5	18.2	15.4	12.6	12.6
82.5°	400.1	263.9	88.4	30.9	16.8	16.8	12.6	12.6	9.8	9.8	9.8
85°	68.8	53.3	21.1	12.6	9.8	9.8	7.0	4.2	4.2	4.2	4.2
87.5°	4.2	4.2	4.2	5.6	5.6	4.2	2.8	1.4	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)