

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: P233936

Luminaire Tested: **VERD-G-C02H-D-U-T3-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233936
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-T3-7030-HSS
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1370mA LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17145 lumens
Efficiency: N/A
Efficacy: 110.6 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

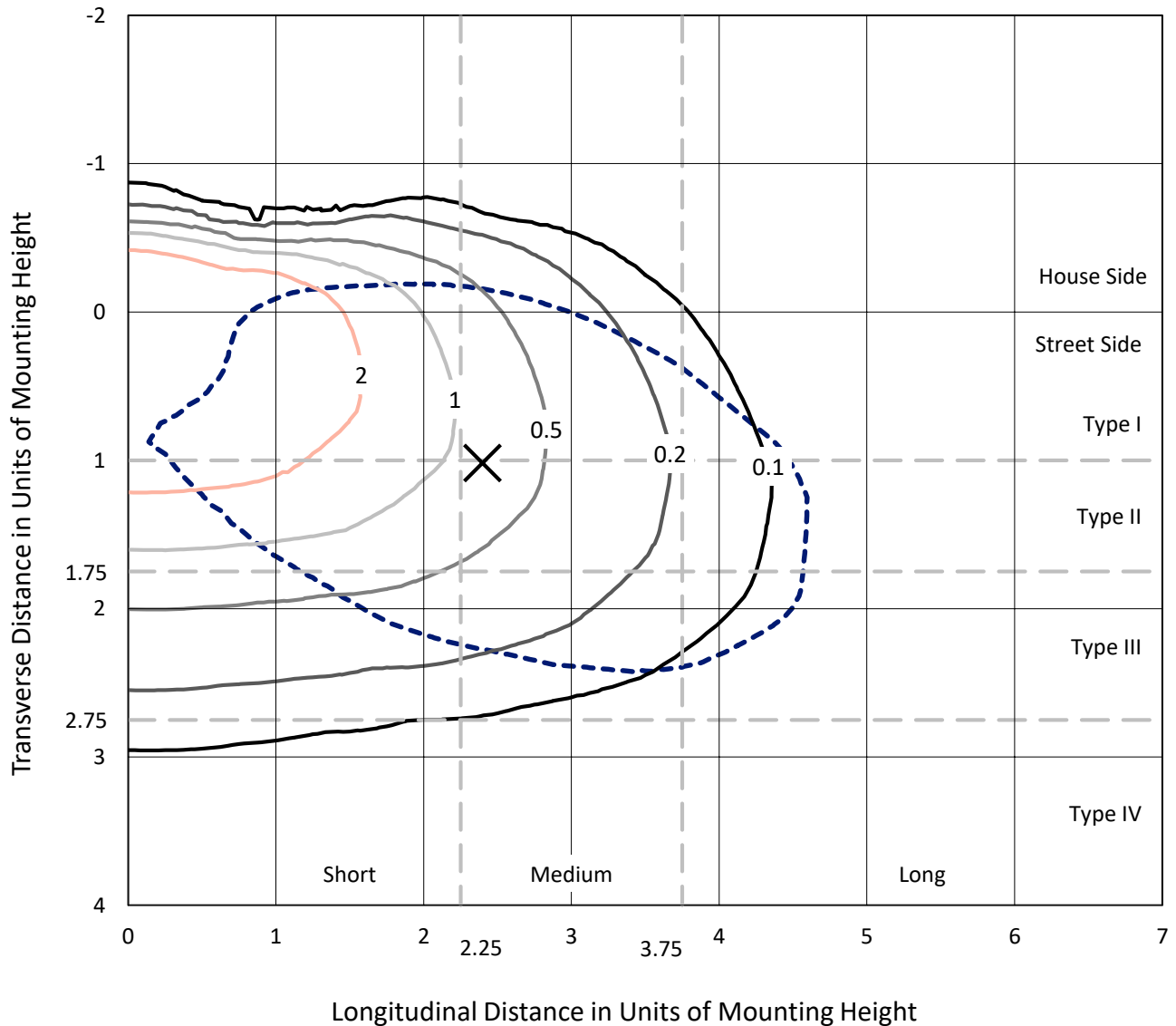


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Iso-Footcandle Lines of Horizontal Illumination

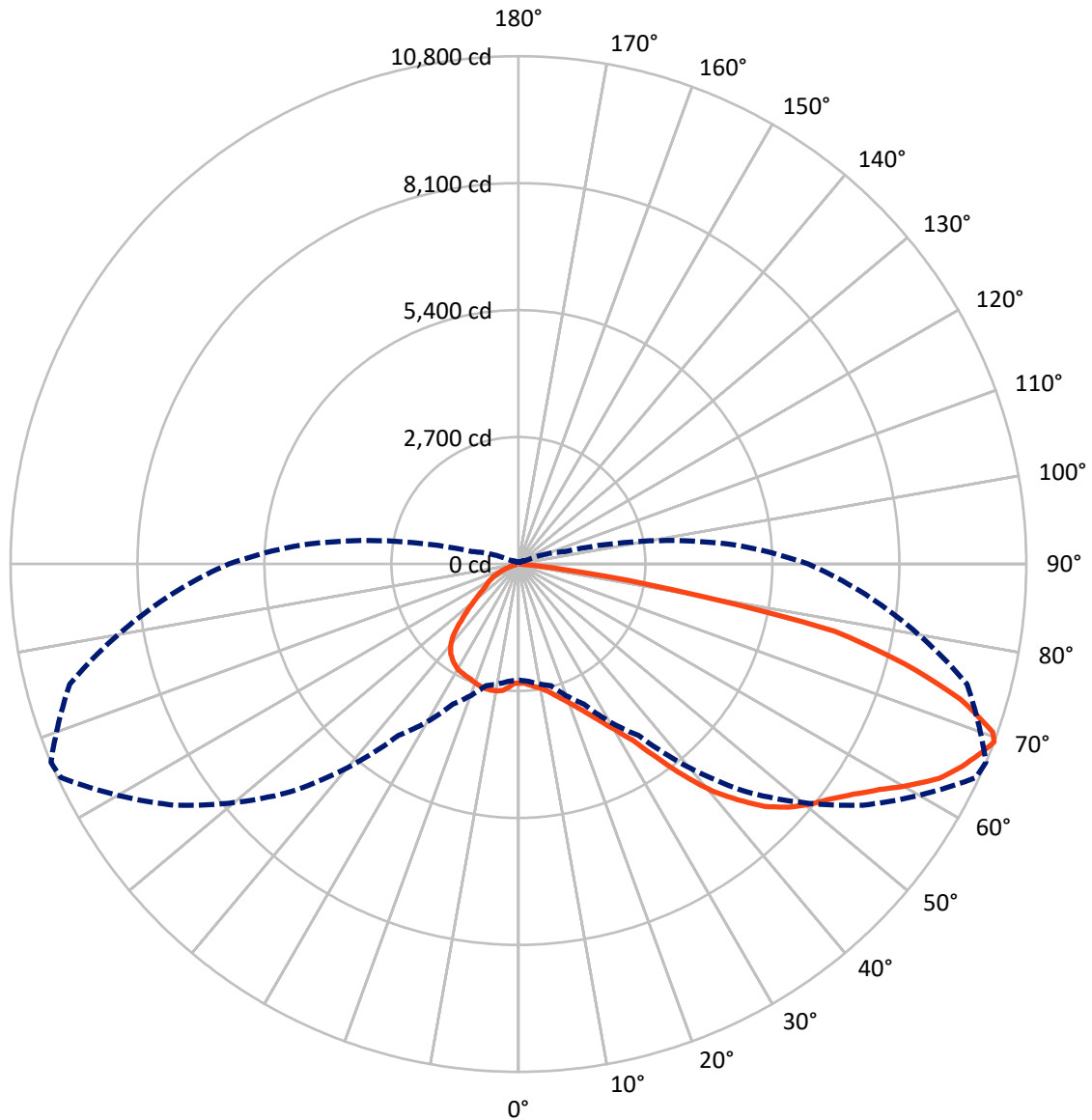
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type III - Medium - Semi-Cutoff

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Luminous Intensity Polar Plot



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



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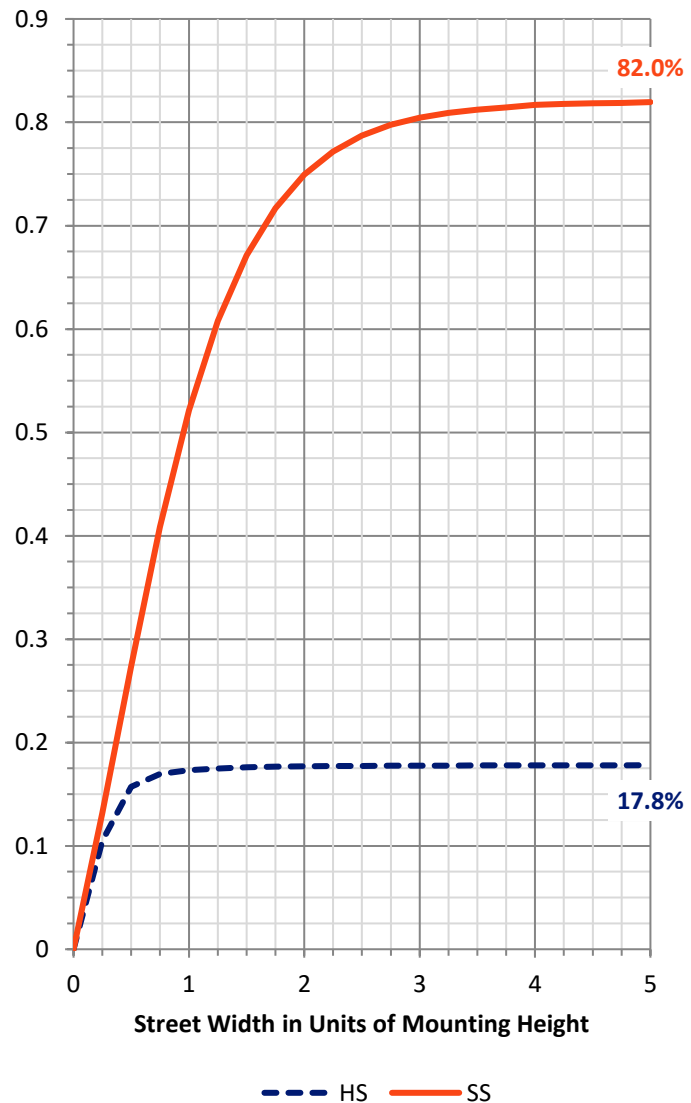
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3090.8	0.0	3090.8
	% Fixture	18.0	0.0	18.0
Street Side	Lumens	14054.2	0.0	14054.2
	% Fixture	82.0	0.0	82.0
Total	Lumens	17145.0	0.0	17145.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.0	1.5
10°-20°	804.9	4.7
20°-30°	1373.8	8.0
30°-40°	2077.2	12.1
40°-50°	2934.5	17.1
50°-60°	3546.4	20.7
60°-70°	3742.1	21.8
70°-80°	2252.7	13.1
80°-90°	157.5	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°	17145.0	100.0
0°-180°	17145.0	100.0



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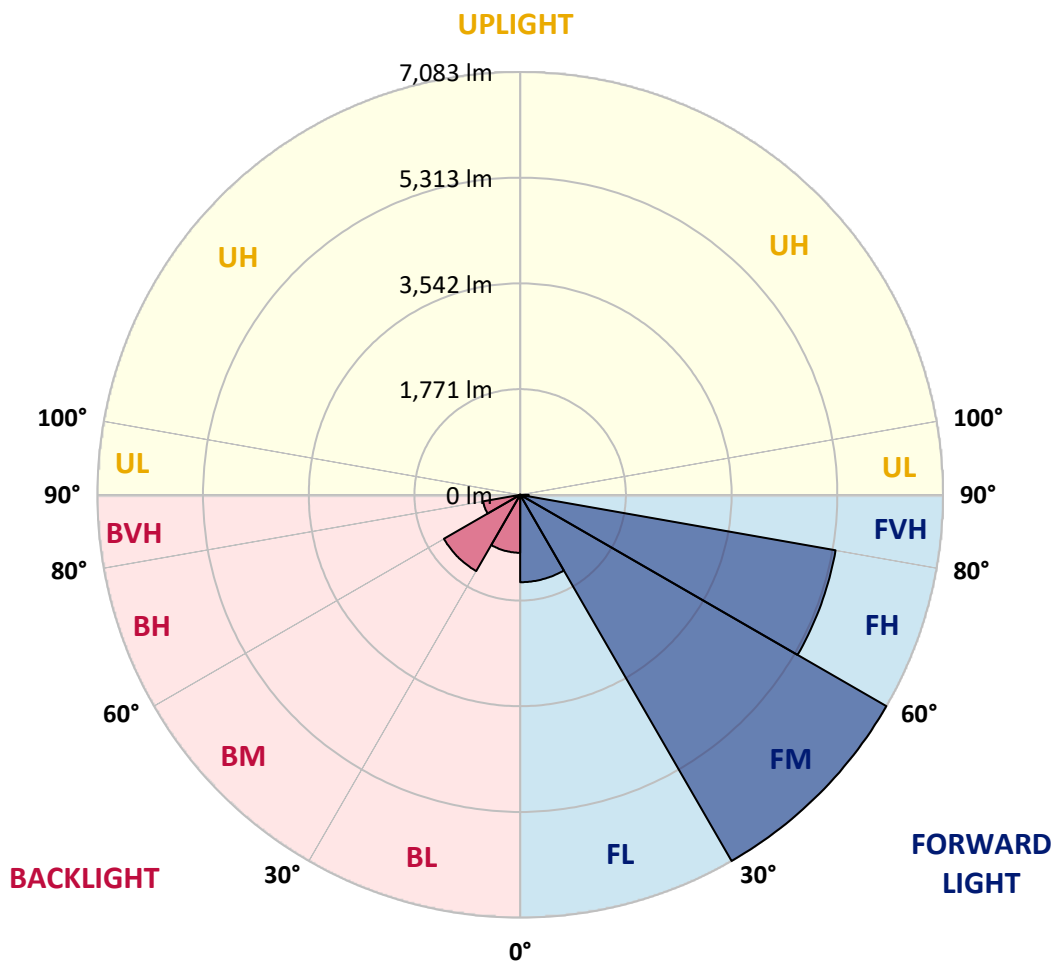
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1464.0	8.5			
FM	(30°-60°)	7083.4	41.3			
FH	(60°-80°)	5364.7	31.3			G3/7500
FVH	(80°-90°)	142.2	0.8			G2/225
BL	(0°-30°)	970.7	5.7	B2/1000		
BM	(30°-60°)	1474.7	8.6	B2/2500		
BH	(60°-80°)	630.1	3.7	B2/1000		G2/1000
BVH	(80°-90°)	15.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2535.5	2535.5	2535.5	2535.5	2535.5	2535.5	2535.5	2535.5	2535.5	2535.5	2535.5
2.5°	2601.1	2597.0	2597.0	2573.7	2551.9	2546.4	2545.0	2538.2	2539.6	2530.0	2520.5
5°	2676.2	2676.2	2673.5	2643.4	2620.2	2605.2	2595.6	2583.3	2584.7	2577.8	2569.6
7.5°	2789.6	2790.9	2785.5	2745.9	2722.6	2685.8	2663.9	2640.7	2639.3	2631.1	2633.8
10°	2928.9	2933.0	2924.8	2874.3	2834.7	2784.1	2737.7	2696.7	2694.0	2684.4	2692.6
12.5°	3086.0	3091.5	3071.0	3019.1	2974.0	2894.8	2838.8	2784.1	2775.9	2774.6	2780.0
15°	3266.4	3269.1	3262.3	3185.8	3131.1	3058.7	2967.2	2897.5	2889.3	2890.7	2883.8
17.5°	3467.2	3474.0	3459.0	3390.7	3318.3	3218.5	3109.3	3023.2	3019.1	3015.0	2984.9
20°	3680.3	3687.1	3677.5	3613.3	3527.3	3401.6	3267.7	3169.4	3168.0	3158.4	3088.8
22.5°	3920.7	3930.3	3924.8	3846.9	3755.4	3618.8	3452.1	3349.7	3347.0	3316.9	3211.7
25°	4181.6	4178.9	4184.4	4101.0	4015.0	3871.5	3665.3	3558.7	3558.7	3521.8	3366.1
27.5°	4434.4	4433.0	4442.6	4383.8	4293.7	4158.4	3909.8	3801.9	3811.4	3758.1	3551.9
30°	4680.3	4680.3	4703.5	4665.2	4598.3	4456.2	4213.1	4099.7	4112.0	4056.0	3786.8
32.5°	4909.8	4920.7	4960.3	4937.1	4886.6	4758.1	4550.5	4446.7	4475.4	4498.6	4224.0
35°	5079.2	5090.1	5181.6	5189.8	5177.5	5091.5	4937.1	5004.0	5038.2	5221.2	4915.2
37.5°	5228.1	5241.7	5351.0	5419.3	5458.9	5405.7	5415.2	5639.3	5703.5	5919.3	5505.4
40°	5337.4	5367.4	5475.3	5569.6	5708.9	5771.8	5927.5	6245.8	6349.6	6435.7	5911.1
42.5°	5262.2	5282.7	5472.6	5725.3	5928.9	6150.2	6402.9	6781.3	6859.2	6831.9	6269.0
45°	5151.6	5176.2	5375.6	5766.3	6103.7	6545.0	6853.7	7263.6	7352.4	7200.7	6577.8
47.5°	5027.3	5061.4	5277.3	5711.7	6249.9	6908.4	7262.2	7677.5	7729.4	7530.0	6837.3
50°	4901.6	4939.8	5184.4	5666.6	6363.3	7211.7	7560.0	8014.9	8030.0	7803.2	7070.9
52.5°	4732.2	4771.8	5039.6	5572.3	6442.5	7411.1	7820.9	8292.2	8301.8	8098.3	7292.3
55°	4517.7	4568.2	4851.0	5433.0	6461.7	7527.2	7986.2	8580.5	8644.7	8417.9	7473.9
57.5°	4265.0	4311.4	4622.9	5232.2	6366.0	7566.8	8217.1	8961.6	9050.4	8741.7	7624.2
60°	3974.0	4027.3	4340.1	4972.6	6173.4	7677.5	8599.6	9499.9	9553.2	9080.5	7756.7
62.5°	3676.2	3714.4	3998.6	4607.9	5872.9	7744.4	8938.4	10005.3	10040.9	9407.0	7836.0
65°	3252.7	3300.5	3577.8	4189.8	5439.8	7616.0	9068.2	10351.0	10372.8	9680.2	7797.7
67.5°	2792.3	2830.6	3032.7	3685.7	4871.5	7208.9	9014.9	10581.8	10651.5	9893.3	7624.2
69°	2465.8	2504.1	2678.9	3282.7	4449.4	6848.3	8939.8	10738.9	10800.4	9878.3	7402.9
70°	2211.7	2250.0	2415.3	2982.2	4118.8	6543.6	8820.9	10659.7	10699.3	9710.3	7187.1
72.5°	1581.9	1620.2	1755.4	2097.0	3120.2	5378.3	8084.6	9779.9	9833.2	8902.9	6423.4
75°	827.9	919.4	1162.6	1355.2	1848.3	3786.8	6721.2	8411.1	8489.0	7812.7	5282.7
77.5°	106.6	112.0	327.9	550.5	763.7	1597.0	4774.5	6754.0	6877.0	6252.7	3653.0
80°	86.1	87.4	113.4	274.6	379.8	647.5	1694.0	3161.2	3310.1	2778.7	1342.9
82.5°	60.1	62.8	88.8	144.8	124.3	236.3	588.8	893.4	920.8	796.4	535.5
85°	34.2	34.2	42.3	56.0	39.6	88.8	121.6	129.8	116.1	114.8	86.1
87.5°	9.6	10.9	12.3	9.6	4.1	4.1	5.5	5.5	5.5	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2535.5	2535.5	2535.5	2535.5	2535.5	2535.5	2535.5	2535.5	2535.5	2535.5	2535.5
2.5°	2535.5	2532.8	2534.1	2539.6	2547.8	2577.8	2598.3	2601.1	2610.6	2646.1	2642.0
5°	2579.2	2595.6	2605.2	2633.8	2653.0	2694.0	2718.5	2721.3	2734.9	2771.8	2773.2
7.5°	2640.7	2668.0	2681.7	2714.4	2721.3	2740.4	2747.2	2740.4	2741.8	2774.6	2777.3
10°	2694.0	2728.1	2728.1	2736.3	2724.0	2725.4	2703.5	2683.0	2672.1	2700.8	2707.6
12.5°	2775.9	2785.5	2763.6	2739.0	2702.2	2669.4	2632.5	2599.7	2573.7	2590.1	2580.6
15°	2860.6	2845.6	2792.3	2728.1	2662.5	2606.5	2530.0	2482.2	2437.1	2446.7	2438.5
17.5°	2945.3	2896.1	2812.8	2706.2	2610.6	2504.1	2397.5	2322.4	2240.4	2233.6	2221.3
20°	3027.3	2956.2	2818.3	2661.2	2527.3	2377.0	2211.7	2083.3	1961.7	1930.3	1909.8
22.5°	3125.6	3023.2	2825.1	2617.5	2437.1	2232.2	1982.2	1782.8	1651.6	1607.9	1587.4
25°	3251.3	3116.1	2844.2	2584.7	2345.6	2053.3	1710.4	1482.2	1340.1	1265.0	1258.2
27.5°	3400.2	3228.1	2877.0	2542.3	2215.8	1814.2	1428.9	1191.2	1039.6	963.1	938.5
30°	3595.6	3367.4	2907.1	2509.5	2032.8	1553.3	1133.9	868.8	688.5	639.3	613.4
32.5°	3965.8	3594.2	2945.3	2433.0	1816.9	1267.7	803.3	535.5	412.6	379.8	379.8
35°	4568.2	4092.8	3040.9	2327.8	1557.4	923.5	482.2	300.5	245.9	226.8	217.2
37.5°	5112.0	4595.6	3280.0	2165.3	1241.8	546.4	276.0	185.8	168.0	170.8	170.8
40°	5495.8	4939.8	3543.7	1945.3	842.9	292.3	174.9	148.9	151.6	153.0	153.0
42.5°	5825.1	5233.5	3688.5	1684.4	459.0	189.9	150.3	135.2	139.3	138.0	136.6
45°	6101.0	5472.6	3736.3	1325.1	222.7	168.0	136.6	124.3	124.3	122.9	122.9
47.5°	6337.4	5684.4	3647.5	985.0	180.3	154.4	129.8	114.8	113.4	120.2	120.2
50°	6553.2	5848.3	3426.2	745.9	174.9	142.1	122.9	106.6	107.9	117.5	117.5
52.5°	6733.5	5945.3	3098.3	558.7	162.6	131.1	113.4	99.7	99.7	109.3	109.3
55°	6867.4	5945.3	2848.3	418.0	155.7	120.2	105.2	95.6	90.2	92.9	94.3
57.5°	6934.3	5833.3	2647.5	338.8	147.5	109.3	97.0	83.3	73.8	76.5	75.1
60°	6916.6	5769.1	2416.6	301.9	138.0	101.1	86.1	71.0	61.5	58.7	58.7
62.5°	6883.8	5696.6	2128.4	262.3	128.4	94.3	71.0	57.4	51.9	49.2	50.5
65°	6759.5	5461.7	1763.6	218.6	118.9	91.5	60.1	50.5	45.1	42.3	42.3
67.5°	6458.9	5038.2	1333.3	184.4	110.7	73.8	51.9	43.7	38.3	35.5	35.5
69°	6161.1	4633.8	1023.2	168.0	105.2	66.9	47.8	39.6	35.5	31.4	31.4
70°	5904.3	4321.0	801.9	157.1	101.1	64.2	46.4	38.3	34.2	30.1	30.1
72.5°	5027.3	3427.6	407.1	136.6	84.7	56.0	41.0	34.2	28.7	24.6	24.6
75°	3900.2	2362.0	269.1	107.9	65.6	50.5	36.9	30.1	24.6	20.5	19.1
77.5°	2347.0	923.5	192.6	69.7	42.3	39.6	30.1	24.6	20.5	16.4	16.4
80°	647.5	396.2	129.8	46.4	24.6	26.0	21.9	17.8	15.0	12.3	12.3
82.5°	389.3	256.8	86.1	30.1	16.4	16.4	12.3	12.3	9.6	9.6	9.6
85°	66.9	51.9	20.5	12.3	9.6	9.6	6.8	4.1	4.1	4.1	4.1
87.5°	4.1	4.1	4.1	5.5	5.5	4.1	2.7	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)