

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: P553544

Luminaire Tested: **VERD-G-CA2-150-722-U-T2-HSS**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-150-722-U-T2-HSS
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1380mA LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16192 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

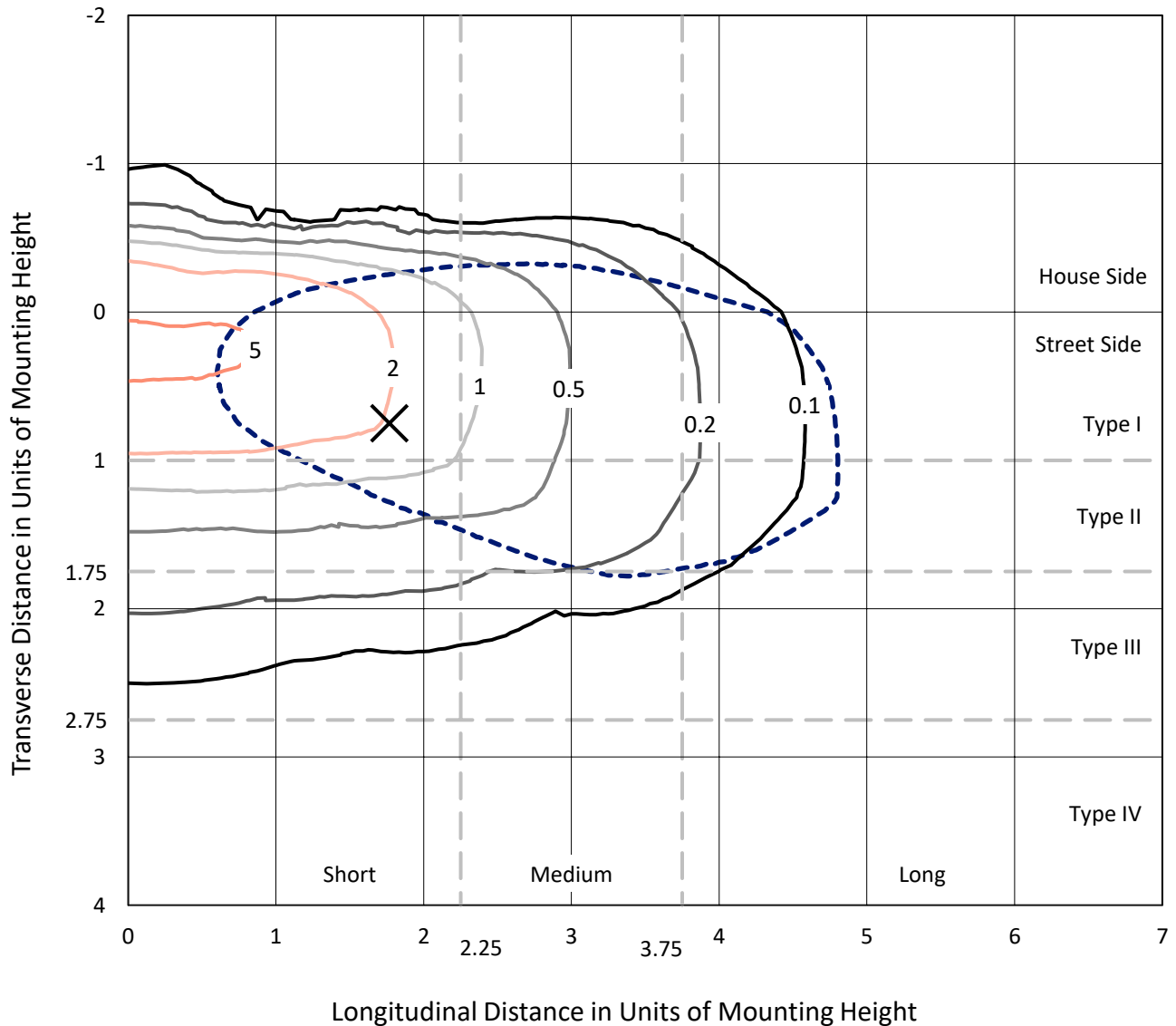
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

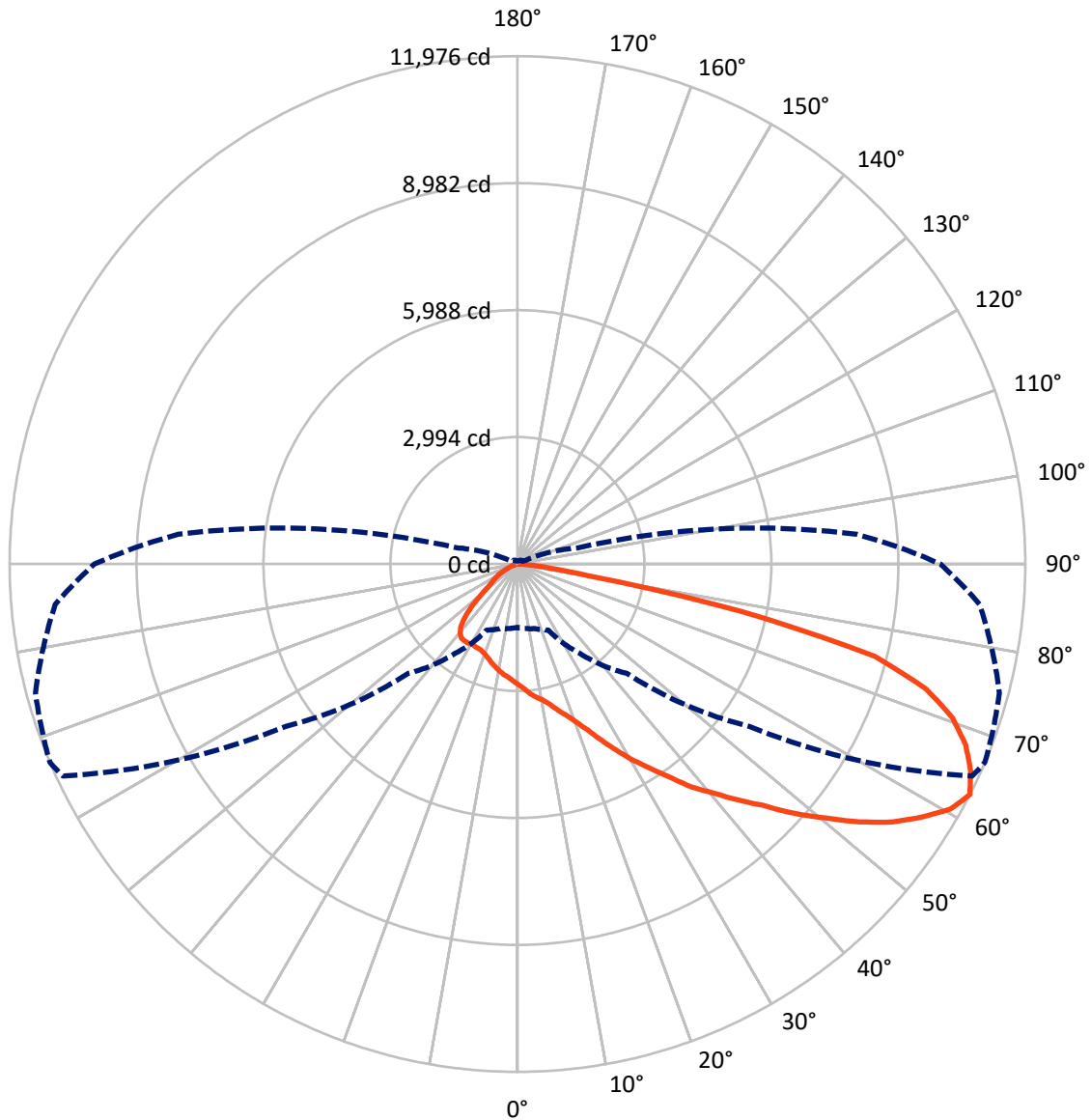
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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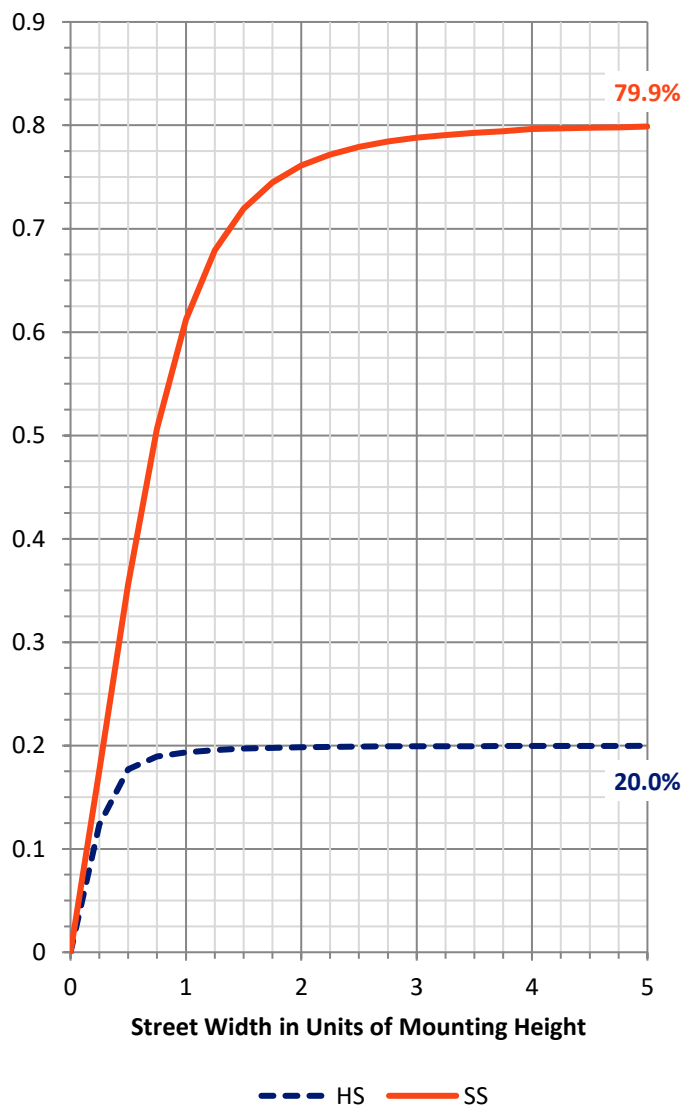
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3272.0	0.0	3272.0
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	12920.0	0.0	12920.0
	% Fixture	79.8	0.0	79.8
Total	Lumens	16192.0	0.0	16192.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.9	1.7
10°-20°	829.1	5.1
20°-30°	1414.2	8.7
30°-40°	2071.9	12.8
40°-50°	2734.2	16.9
50°-60°	3217.8	19.9
60°-70°	3309.5	20.4
70°-80°	2144.2	13.2
80°-90°	196.3	1.2
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°	16192.0	100.0
0°-180°	16192.0	100.0

Coefficient of Utilization



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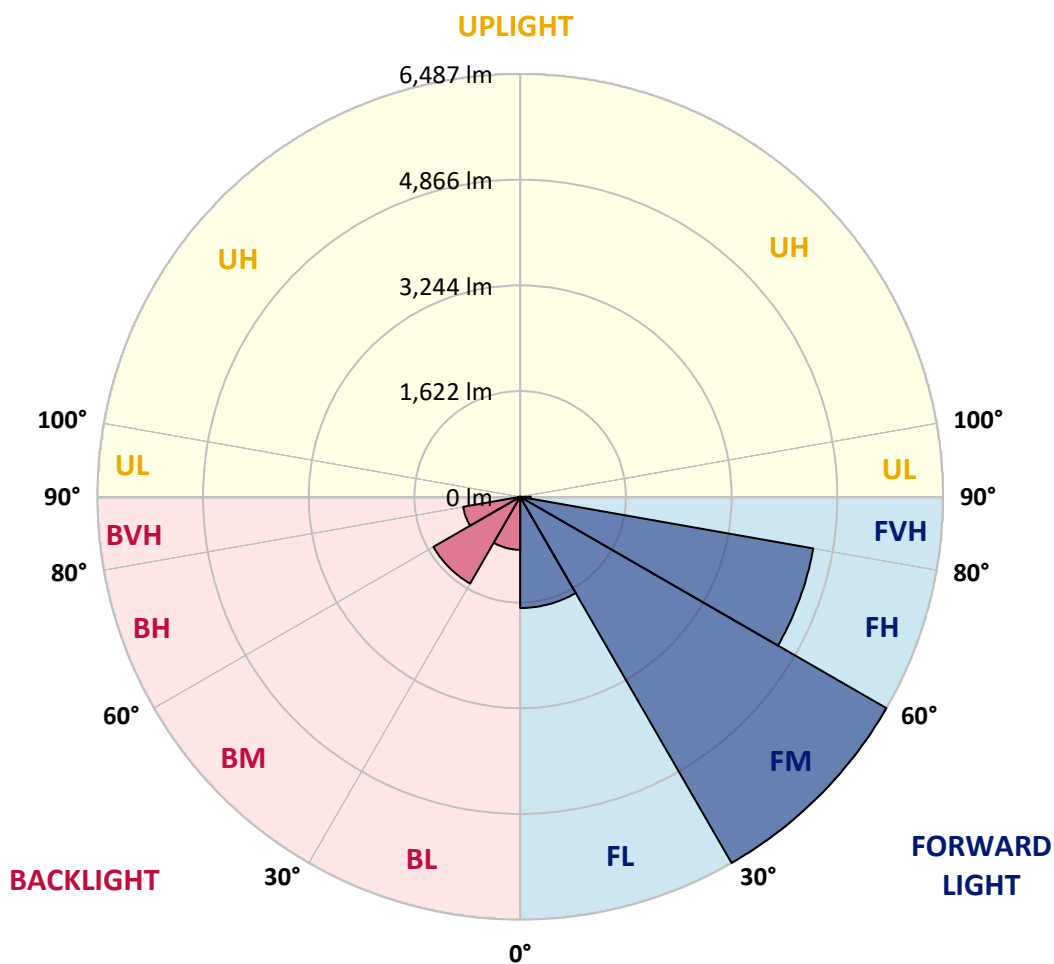
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1705.0	10.5			
FM (30°-60°)	6487.4	40.1			
FH (60°-80°)	4565.3	28.2			G2/5000
FVH (80°-90°)	162.3	1.0			G2/225
BL (0°-30°)	813.2	5.0	B2/1000		
BM (30°-60°)	1536.5	9.5	B2/2500		
BH (60°-80°)	888.4	5.5	B2/1000		G2/1000
BVH (80°-90°)	33.9	0.2			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2845.1	2845.1	2845.1	2845.1	2845.1	2845.1	2845.1	2845.1	2845.1	2845.1	2845.1
2.5°	3155.3	3151.8	3118.0	3086.5	3065.5	3064.3	3009.5	2960.5	2938.4	2912.7	2855.5
5°	3318.6	3346.6	3309.3	3262.7	3225.3	3197.3	3149.5	3093.5	3070.2	3009.5	2923.2
7.5°	3555.4	3555.4	3520.4	3480.8	3437.6	3363.0	3281.3	3183.3	3171.7	3104.0	2990.9
10°	3669.8	3697.7	3652.3	3605.6	3557.8	3519.3	3408.5	3288.3	3259.2	3157.7	3017.7
12.5°	3829.6	3829.6	3805.1	3765.4	3710.6	3633.6	3562.4	3441.1	3392.1	3240.5	3065.5
15°	3980.0	3967.2	3946.2	3880.9	3852.9	3805.1	3711.7	3584.6	3575.3	3407.3	3139.0
17.5°	4097.9	4076.9	4057.0	4022.0	3988.2	3969.5	3903.1	3792.2	3753.7	3599.8	3277.8
20°	4158.5	4176.0	4128.2	4127.0	4137.5	4123.5	4079.2	3996.4	3980.0	3796.9	3419.0
22.5°	4227.3	4250.7	4239.0	4250.7	4282.2	4305.5	4303.2	4285.7	4260.0	4060.5	3646.4
25°	4242.5	4227.3	4276.3	4384.8	4464.1	4520.1	4629.8	4607.6	4600.6	4424.5	3955.5
27.5°	4195.8	4209.8	4286.8	4443.1	4647.3	4800.1	4889.9	5000.7	4976.2	4839.7	4327.6
30°	4167.8	4192.3	4293.8	4477.0	4751.1	5027.5	5204.8	5342.5	5363.5	5255.0	4693.9
32.5°	4071.0	4103.7	4208.7	4503.8	4852.6	5271.3	5491.8	5748.4	5739.1	5694.8	5139.5
35°	3921.7	3964.9	4125.8	4468.8	4966.9	5490.6	5783.4	6156.7	6163.7	6182.4	5563.0
37.5°	3801.6	3815.6	3998.7	4365.0	5012.4	5667.9	6055.2	6560.3	6673.4	6646.6	6043.5
40°	3609.1	3651.1	3849.4	4237.8	5007.7	5788.1	6331.7	7032.7	7093.4	7177.4	6546.3
42.5°	3372.3	3417.8	3607.9	4065.2	4942.4	5893.1	6597.6	7514.5	7599.6	7731.4	7007.1
45°	3144.8	3164.7	3343.1	3813.2	4815.2	5975.9	6856.6	7989.2	8119.9	8308.9	7471.3
47.5°	2861.4	2915.0	3114.5	3549.6	4534.1	6006.2	7047.9	8549.1	8789.4	8904.9	8000.9
50°	2201.2	2235.0	2794.9	3317.5	4228.5	5911.7	7296.3	9259.5	9411.2	9531.3	8537.5
52.5°	1939.9	1970.2	2187.2	3049.2	3887.9	5666.8	7448.0	9919.8	10102.9	10077.2	9076.4
55°	1830.2	1845.4	1938.7	2488.1	3577.6	5211.8	7554.1	10640.7	10739.8	10574.2	9610.6
57.5°	1703.1	1720.6	1790.6	2085.7	3227.7	4635.6	7465.5	11218.1	11255.4	11050.1	10086.6
60°	1589.9	1601.6	1706.6	1866.4	2847.4	4076.9	7241.5	11633.3	11737.1	11400.0	10599.8
62.5°	1493.1	1521.1	1575.9	1717.1	2581.4	3644.1	6674.6	11829.3	11976.3	11766.3	10940.4
65°	1397.4	1410.3	1473.3	1598.1	2295.6	3388.6	6350.3	11571.5	11743.0	11815.3	11150.4
67.5°	1266.8	1285.5	1347.3	1437.1	1915.4	3140.2	5593.3	11152.7	11397.7	11557.5	11025.6
70°	1114.0	1130.3	1193.3	1268.0	1599.2	2773.9	4720.8	10725.8	10886.8	10897.3	10468.0
72.5°	936.7	951.8	1014.8	1089.5	1327.5	2309.6	3700.1	9714.5	10074.9	10303.5	9532.5
75°	596.1	661.4	817.7	901.7	1093.0	1868.7	2639.7	7755.9	8703.1	9356.4	8249.4
77.5°	96.8	108.5	320.8	457.3	635.7	1266.8	1466.3	4297.3	5405.5	7818.9	6660.6
80°	73.5	82.8	116.6	310.3	408.3	788.5	577.4	1395.1	1682.1	3655.8	3731.6
82.5°	31.5	37.3	70.0	173.8	192.5	210.0	155.1	624.1	738.4	1111.7	1294.8
85°	10.5	14.0	32.7	54.8	60.7	46.7	33.8	247.3	304.5	533.1	493.4
87.5°	0.0	1.2	7.0	8.2	7.0	4.7	3.5	2.3	2.3	3.5	3.5
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°	2845.1	2845.1	2845.1	2845.1	2845.1	2845.1	2845.1	2845.1	2845.1	2845.1	2845.1
2.5°	2843.9	2804.2	2799.6	2751.7	2708.6	2659.6	2629.3	2618.8	2632.8	2646.7	2660.7
5°	2878.9	2818.2	2757.6	2658.4	2614.1	2560.4	2489.3	2446.1	2426.3	2443.8	2449.6
7.5°	2904.5	2826.4	2733.1	2597.8	2502.1	2399.5	2331.8	2259.5	2219.8	2226.8	2232.6
10°	2909.2	2822.9	2664.2	2533.6	2379.6	2238.5	2149.8	2116.0	2089.2	2065.8	2069.3
12.5°	2952.4	2825.2	2605.9	2447.3	2285.1	2103.2	2004.0	1960.9	1956.2	1908.4	1903.7
15°	3010.7	2876.5	2575.6	2369.1	2161.5	1990.0	1872.2	1795.2	1797.5	1773.1	1769.6
17.5°	3105.2	2926.7	2553.4	2278.1	2032.0	1874.5	1725.2	1655.2	1633.1	1626.1	1620.2
20°	3211.3	3000.2	2526.6	2197.7	1918.9	1735.7	1568.9	1497.8	1435.9	1417.3	1419.6
22.5°	3367.6	3097.0	2548.8	2137.0	1792.9	1600.4	1434.8	1296.0	1189.8	1161.8	1158.3
25°	3644.1	3288.3	2615.3	2084.5	1714.7	1468.6	1245.8	1051.0	911.0	880.7	883.0
27.5°	3952.0	3540.3	2707.4	2062.3	1615.6	1322.8	1016.0	799.0	668.4	633.4	635.7
30°	4317.2	3840.1	2847.4	2000.5	1509.4	1110.5	757.0	585.6	484.1	443.3	445.6
32.5°	4668.3	4139.8	3027.0	1991.2	1376.4	834.0	547.1	425.8	342.9	312.6	316.1
35°	5055.5	4482.8	3216.0	1944.5	1158.3	598.4	383.8	295.1	250.8	241.5	240.3
37.5°	5494.1	4788.4	3356.0	1901.4	866.7	421.1	262.5	227.5	221.6	208.8	208.8
40°	5901.2	5106.9	3461.0	1787.1	606.6	285.8	205.3	206.5	200.6	183.1	179.6
42.5°	6276.8	5435.8	3557.8	1603.9	410.6	194.8	184.3	187.8	190.1	170.3	165.6
45°	6702.6	5841.7	3536.8	1328.6	261.3	176.1	165.6	176.1	187.8	168.0	163.3
47.5°	7169.2	6139.2	3581.1	958.8	184.3	166.8	154.0	168.0	177.3	164.5	157.5
50°	7696.5	6528.8	3447.0	557.6	169.1	157.5	148.1	154.0	168.0	161.0	152.8
52.5°	8179.4	6876.4	3263.8	273.0	159.8	148.1	138.8	143.5	157.5	149.3	151.6
55°	8586.5	7238.0	2891.7	194.8	154.0	137.6	134.1	135.3	143.5	133.0	140.0
57.5°	9085.7	7535.5	2513.8	182.0	149.3	130.6	131.8	122.5	124.8	119.0	112.0
60°	9530.2	7816.6	2000.5	168.0	142.3	134.1	119.0	106.1	99.2	95.7	94.5
62.5°	9974.6	8030.1	1474.4	152.8	135.3	121.3	105.0	91.0	79.3	74.7	73.5
65°	10142.6	8144.4	1006.7	140.0	127.1	110.8	93.3	73.5	60.7	56.0	52.5
67.5°	10017.8	7786.3	583.2	126.0	122.5	101.5	81.7	59.5	46.7	43.2	40.8
70°	9439.2	7224.0	311.5	114.3	107.3	89.8	72.3	49.0	37.3	32.7	31.5
72.5°	8444.2	6212.7	163.3	95.7	89.8	73.5	57.2	40.8	30.3	24.5	23.3
75°	7170.4	4877.1	114.3	70.0	61.8	57.2	43.2	32.7	24.5	18.7	17.5
77.5°	5659.8	3169.3	86.3	45.5	36.2	37.3	31.5	26.8	19.8	14.0	14.0
80°	2923.2	1647.1	65.3	30.3	21.0	22.2	22.2	19.8	15.2	10.5	10.5
82.5°	1159.5	606.6	45.5	17.5	12.8	14.0	12.8	12.8	10.5	7.0	7.0
85°	382.6	133.0	16.3	10.5	8.2	8.2	7.0	5.8	3.5	2.3	2.3
87.5°	3.5	3.5	4.7	5.8	5.8	4.7	3.5	1.2	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)