

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: P509596

Luminaire Tested: **VERD-G-CA2-130-730-U-T2-HSS**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509596
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-130-730-U-T2-HSS
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16896 lumens
Efficiency: N/A
Efficacy: 126.2 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

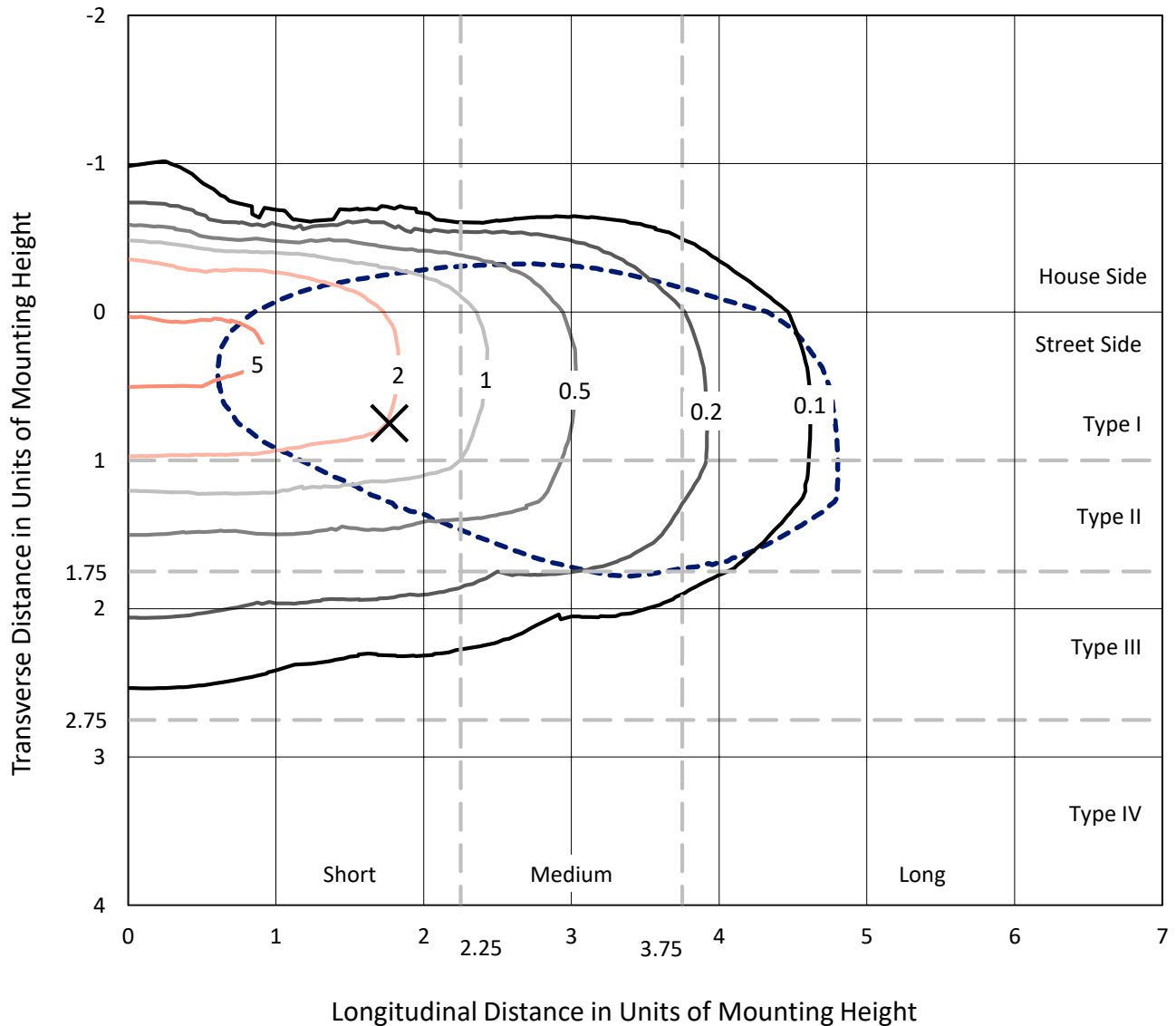
Input Watts (W): 133.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

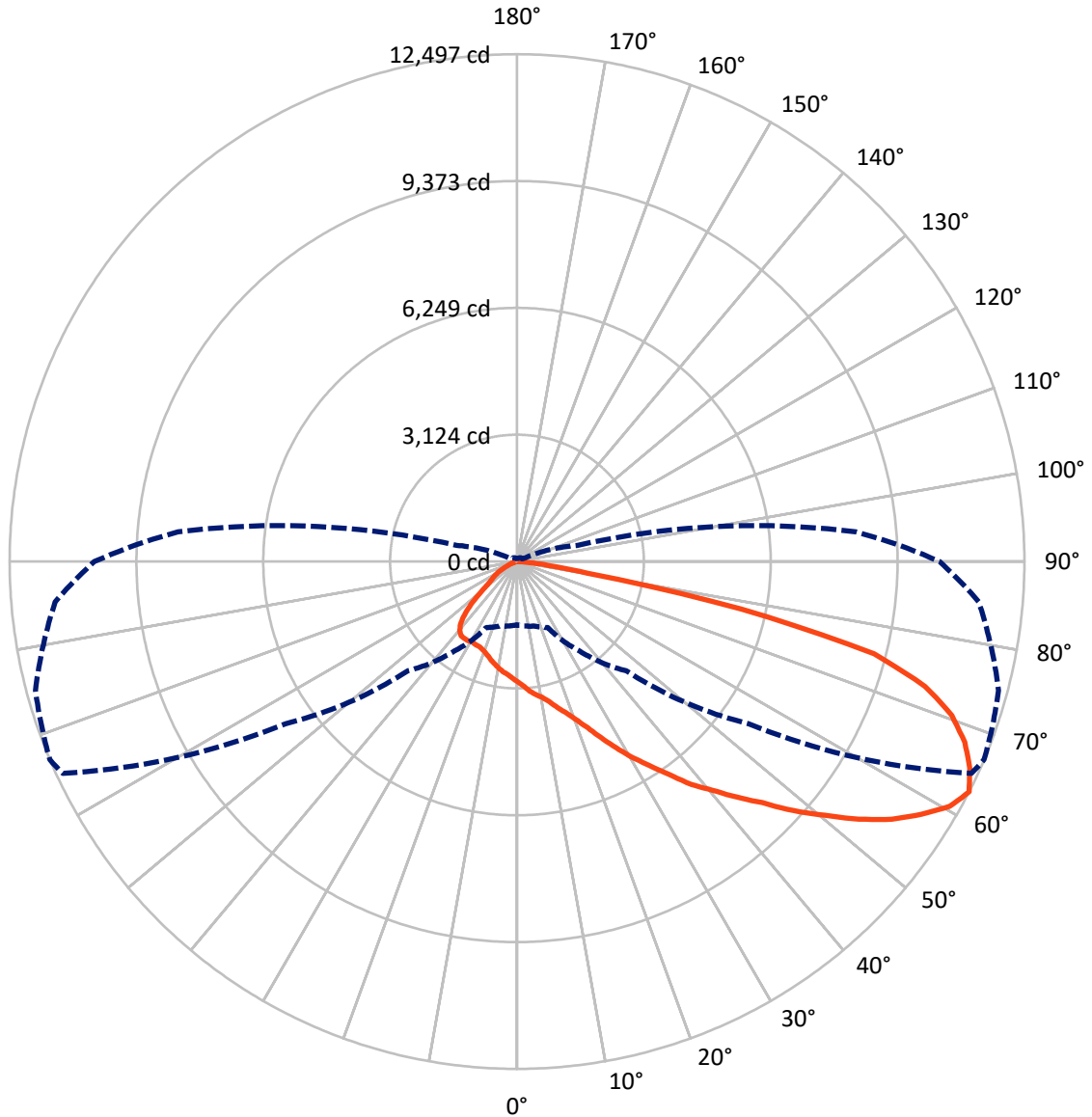
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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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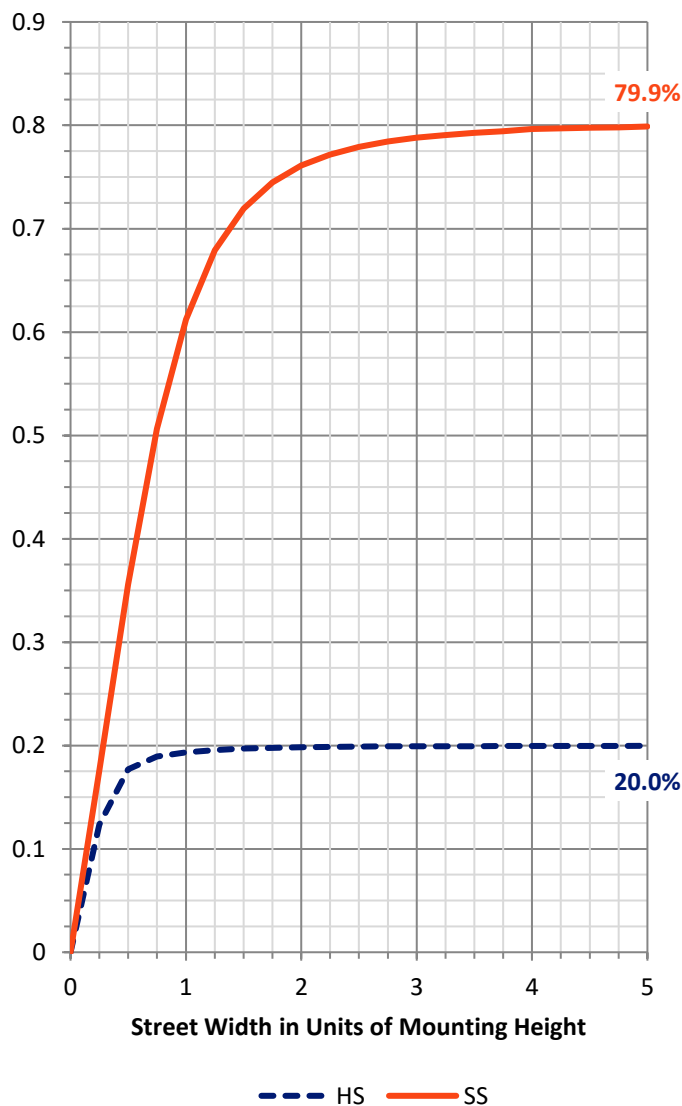
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3414.3	0.0	3414.3
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	13481.7	0.0	13481.7
	% Fixture	79.8	0.0	79.8
Total	Lumens	16896.0	0.0	16896.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.8	1.7
10°-20°	865.1	5.1
20°-30°	1475.7	8.7
30°-40°	2162.0	12.8
40°-50°	2853.1	16.9
50°-60°	3357.7	19.9
60°-70°	3453.4	20.4
70°-80°	2237.4	13.2
80°-90°	204.8	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°	16896.0	100.0
0°-180°	16896.0	100.0



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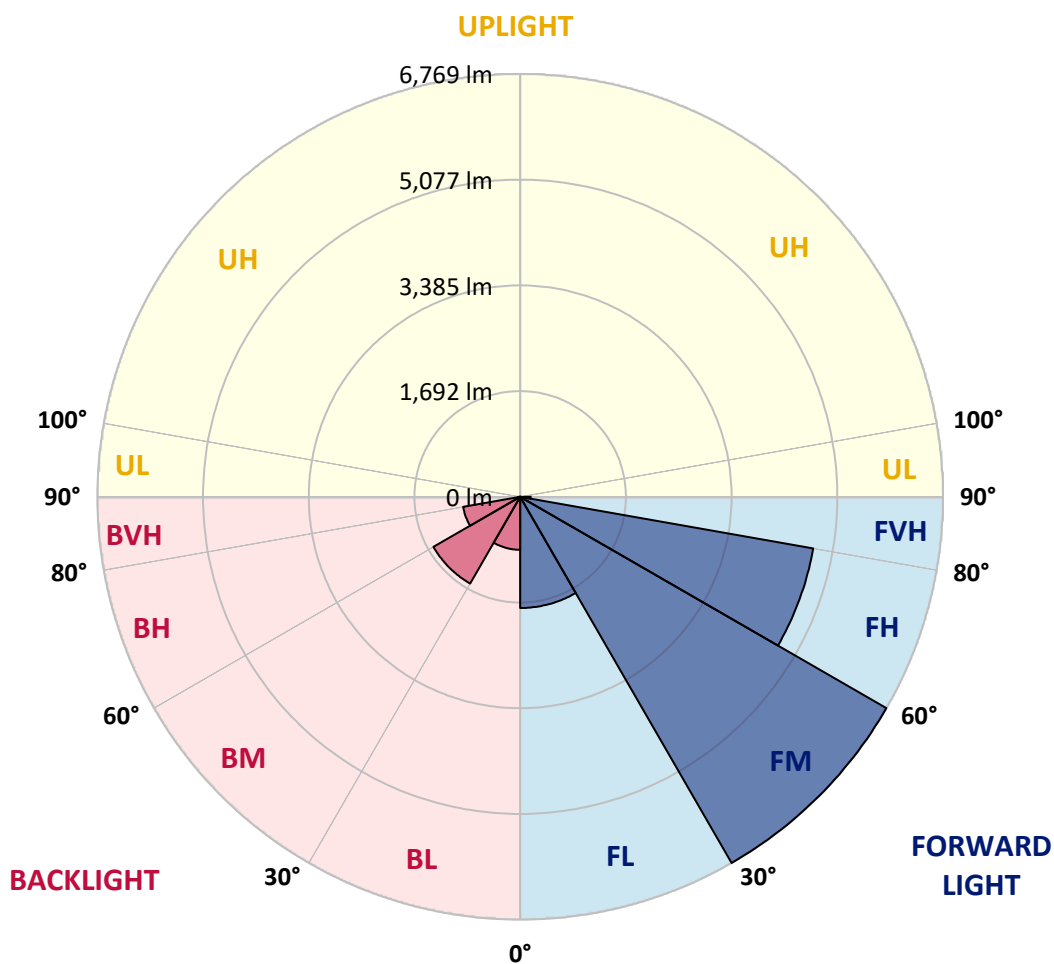
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1779.1	10.5			
FM (30°-60°)	6769.4	40.1			
FH (60°-80°)	4763.8	28.2			G2/5000
FVH (80°-90°)	169.4	1.0			G2/225
BL (0°-30°)	848.6	5.0	B2/1000		
BM (30°-60°)	1603.3	9.5	B2/2500		
BH (60°-80°)	927.0	5.5	B2/1000		G2/1000
BVH (80°-90°)	35.4	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°	2968.7	2968.7	2968.7	2968.7	2968.7	2968.7	2968.7	2968.7	2968.7	2968.7	2968.7
2.5°	3292.5	3288.9	3253.6	3220.7	3198.8	3197.6	3140.4	3089.3	3066.1	3039.3	2979.7
5°	3462.9	3492.1	3453.2	3404.5	3365.6	3336.3	3286.4	3228.0	3203.7	3140.4	3050.3
7.5°	3710.0	3710.0	3673.5	3632.1	3587.1	3509.2	3424.0	3321.7	3309.6	3239.0	3120.9
10°	3829.3	3858.5	3811.1	3762.4	3712.5	3672.3	3556.7	3431.3	3400.9	3295.0	3148.9
12.5°	3996.1	3996.1	3970.5	3929.1	3871.9	3791.6	3717.3	3590.7	3539.6	3381.4	3198.8
15°	4153.1	4139.7	4117.8	4049.6	4020.4	3970.5	3873.1	3740.5	3730.7	3555.4	3275.5
17.5°	4276.0	4254.1	4233.4	4196.9	4161.6	4142.1	4072.7	3957.1	3916.9	3756.3	3420.3
20°	4339.3	4357.6	4307.7	4306.5	4317.4	4302.8	4256.5	4170.1	4153.1	3962.0	3567.6
22.5°	4411.1	4435.5	4423.3	4435.5	4468.3	4492.7	4490.2	4472.0	4445.2	4237.1	3805.0
25°	4427.0	4411.1	4462.3	4575.5	4658.2	4716.6	4831.1	4807.9	4800.6	4616.8	4127.5
27.5°	4378.3	4392.9	4473.2	4636.3	4849.3	5008.8	5102.5	5218.1	5192.6	5050.2	4515.8
30°	4349.1	4374.6	4480.5	4671.6	4957.7	5246.1	5431.1	5574.8	5596.7	5483.5	4898.0
32.5°	4248.0	4282.1	4391.7	4699.6	5063.5	5500.5	5730.6	5998.4	5988.6	5942.4	5363.0
35°	4092.2	4137.3	4305.2	4663.1	5182.8	5729.4	6034.9	6424.4	6431.7	6451.2	5804.8
37.5°	3966.9	3981.5	4172.6	4554.8	5230.3	5914.4	6318.5	6845.5	6963.6	6935.6	6306.3
40°	3766.0	3809.8	4016.8	4422.1	5225.4	6039.7	6607.0	7338.5	7401.8	7489.4	6830.9
42.5°	3518.9	3566.4	3764.8	4241.9	5157.3	6149.3	6884.5	7841.2	7930.1	8067.6	7311.7
45°	3281.6	3302.3	3488.5	3979.0	5024.6	6235.7	7154.7	8336.6	8472.9	8670.1	7796.2
47.5°	2985.8	3041.8	3249.9	3703.9	4731.3	6267.4	7354.3	8920.9	9171.6	9292.1	8348.8
50°	2296.9	2332.2	2916.4	3461.7	4412.3	6168.8	7613.6	9662.1	9820.4	9945.7	8908.7
52.5°	2024.2	2055.8	2282.2	3181.8	4056.9	5913.2	7771.8	10351.1	10542.2	10515.4	9471.0
55°	1909.8	1925.6	2023.0	2596.3	3733.1	5438.4	7882.6	11103.3	11206.8	11033.9	10028.5
57.5°	1777.1	1795.4	1868.4	2176.4	3368.0	4837.1	7790.1	11705.8	11744.8	11530.5	10525.1
60°	1659.0	1671.2	1780.8	1947.5	2971.2	4254.1	7556.4	12139.1	12247.5	11895.7	11060.7
62.5°	1558.0	1587.2	1644.4	1791.7	2693.7	3802.5	6964.8	12343.6	12497.0	12277.9	11416.1
65°	1458.2	1471.6	1537.3	1667.6	2395.4	3536.0	6626.4	12074.6	12253.5	12329.0	11635.2
67.5°	1321.9	1341.4	1405.9	1499.6	1998.6	3276.7	5836.5	11637.6	11893.3	12060.0	11505.0
70°	1162.4	1179.5	1245.2	1323.1	1668.8	2894.5	4926.0	11192.1	11360.1	11371.1	10923.1
72.5°	977.4	993.2	1059.0	1136.9	1385.2	2410.1	3861.0	10136.8	10512.9	10751.5	9947.0
75°	622.0	690.2	853.3	940.9	1140.5	1950.0	2754.5	8093.2	9081.5	9763.2	8608.0
77.5°	101.0	113.2	334.7	477.1	663.4	1321.9	1530.0	4484.2	5640.5	8158.9	6950.2
80°	76.7	86.4	121.7	323.8	426.0	822.8	602.5	1455.8	1755.2	3814.7	3893.8
82.5°	32.9	39.0	73.0	181.4	200.8	219.1	161.9	651.2	770.5	1160.0	1351.1
85°	11.0	14.6	34.1	57.2	63.3	48.7	35.3	258.0	317.7	556.3	514.9
87.5°	0.0	1.2	7.3	8.5	7.3	4.9	3.7	2.4	2.4	3.7	3.7
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°	2968.7	2968.7	2968.7	2968.7	2968.7	2968.7	2968.7	2968.7	2968.7	2968.7	2968.7
2.5°	2967.5	2926.1	2921.3	2871.4	2826.3	2775.2	2743.6	2732.6	2747.2	2761.8	2776.4
5°	3004.0	2940.8	2877.5	2774.0	2727.7	2671.8	2597.5	2552.5	2531.8	2550.0	2556.1
7.5°	3030.8	2949.3	2851.9	2710.7	2610.9	2503.8	2433.2	2357.7	2316.3	2323.6	2329.7
10°	3035.7	2945.6	2780.1	2643.8	2483.1	2335.8	2243.3	2208.0	2180.0	2155.7	2159.3
12.5°	3080.7	2948.1	2719.2	2553.7	2384.5	2194.6	2091.1	2046.1	2041.2	1991.3	1986.5
15°	3141.6	3001.6	2687.6	2472.1	2255.5	2076.5	1953.6	1873.3	1875.7	1850.1	1846.5
17.5°	3240.2	3054.0	2664.4	2377.2	2120.4	1956.0	1800.2	1727.2	1704.1	1696.8	1690.7
20°	3350.9	3130.6	2636.5	2293.2	2002.3	1811.2	1637.1	1562.9	1498.4	1478.9	1481.3
22.5°	3514.1	3231.7	2659.6	2229.9	1870.8	1670.0	1497.2	1352.3	1241.5	1212.3	1208.7
25°	3802.5	3431.3	2729.0	2175.1	1789.3	1532.5	1300.0	1096.7	950.6	919.0	921.4
27.5°	4123.9	3694.2	2825.1	2152.0	1685.8	1380.3	1060.2	833.8	697.5	660.9	663.4
30°	4504.9	4007.0	2971.2	2087.5	1575.1	1158.8	790.0	611.0	505.1	462.5	465.0
32.5°	4871.2	4319.8	3158.6	2077.8	1436.3	870.3	570.9	444.3	357.9	326.2	329.9
35°	5275.3	4677.7	3355.8	2029.1	1208.7	624.4	400.5	308.0	261.7	252.0	250.7
37.5°	5733.0	4996.6	3501.9	1984.0	904.4	439.4	273.9	237.4	231.3	217.9	217.9
40°	6157.8	5328.9	3611.4	1864.7	632.9	298.2	214.2	215.4	209.4	191.1	187.4
42.5°	6549.7	5672.1	3712.5	1673.6	428.5	203.3	192.3	196.0	198.4	177.7	172.8
45°	6994.0	6095.7	3690.5	1386.4	272.7	183.8	172.8	183.8	196.0	175.3	170.4
47.5°	7480.9	6406.1	3736.8	1000.5	192.3	174.1	160.7	175.3	185.0	171.6	164.3
50°	8031.1	6812.7	3596.8	581.8	176.5	164.3	154.6	160.7	175.3	168.0	159.5
52.5°	8535.0	7175.4	3405.7	284.8	166.8	154.6	144.8	149.7	164.3	155.8	158.2
55°	8959.8	7552.7	3017.4	203.3	160.7	143.6	140.0	141.2	149.7	138.8	146.1
57.5°	9480.8	7863.1	2623.1	189.9	155.8	136.3	137.5	127.8	130.2	124.2	116.9
60°	9944.5	8156.5	2087.5	175.3	148.5	140.0	124.2	110.8	103.5	99.8	98.6
62.5°	10408.3	8379.2	1538.5	159.5	141.2	126.6	109.5	94.9	82.8	77.9	76.7
65°	10583.5	8498.5	1050.4	146.1	132.7	115.6	97.4	76.7	63.3	58.4	54.8
67.5°	10453.3	8124.8	608.6	131.5	127.8	105.9	85.2	62.1	48.7	45.0	42.6
70°	9849.6	7538.1	325.0	119.3	112.0	93.7	75.5	51.1	39.0	34.1	32.9
72.5°	8811.3	6482.8	170.4	99.8	93.7	76.7	59.6	42.6	31.6	25.6	24.3
75°	7482.1	5089.1	119.3	73.0	64.5	59.6	45.0	34.1	25.6	19.5	18.3
77.5°	5905.8	3307.1	90.1	47.5	37.7	39.0	32.9	28.0	20.7	14.6	14.6
80°	3050.3	1718.7	68.2	31.6	21.9	23.1	23.1	20.7	15.8	11.0	11.0
82.5°	1209.9	632.9	47.5	18.3	13.4	14.6	13.4	13.4	11.0	7.3	7.3
85°	399.2	138.8	17.0	11.0	8.5	8.5	7.3	6.1	3.7	2.4	2.4
87.5°	3.7	3.7	4.9	6.1	6.1	4.9	3.7	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)