

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: P553568

Luminaire Tested: **VERD-G-CA2-150-740-U-T2-HSS**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553568
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-CA2-150-740-U-T2-HSS
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1380mA LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19868 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

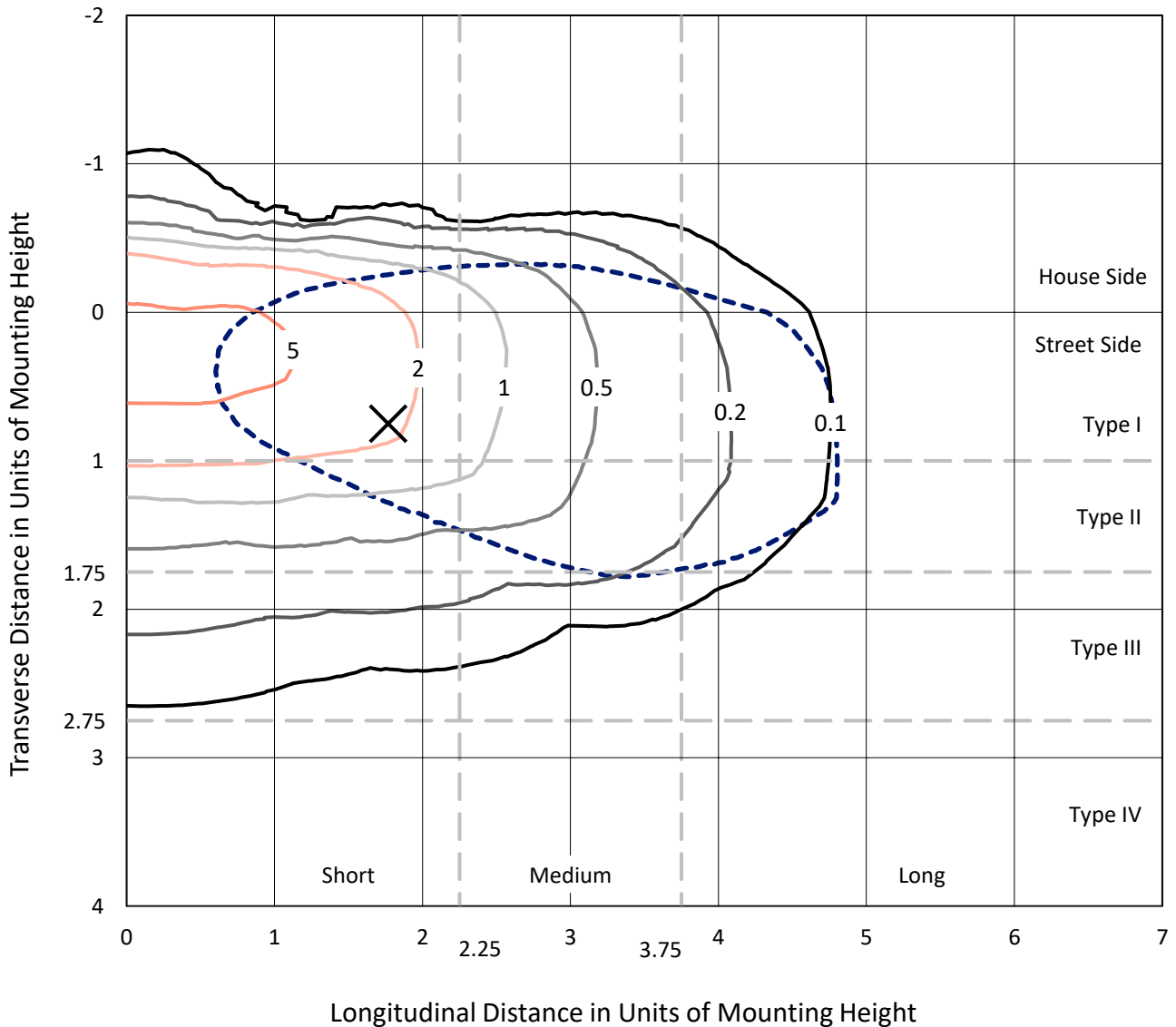
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

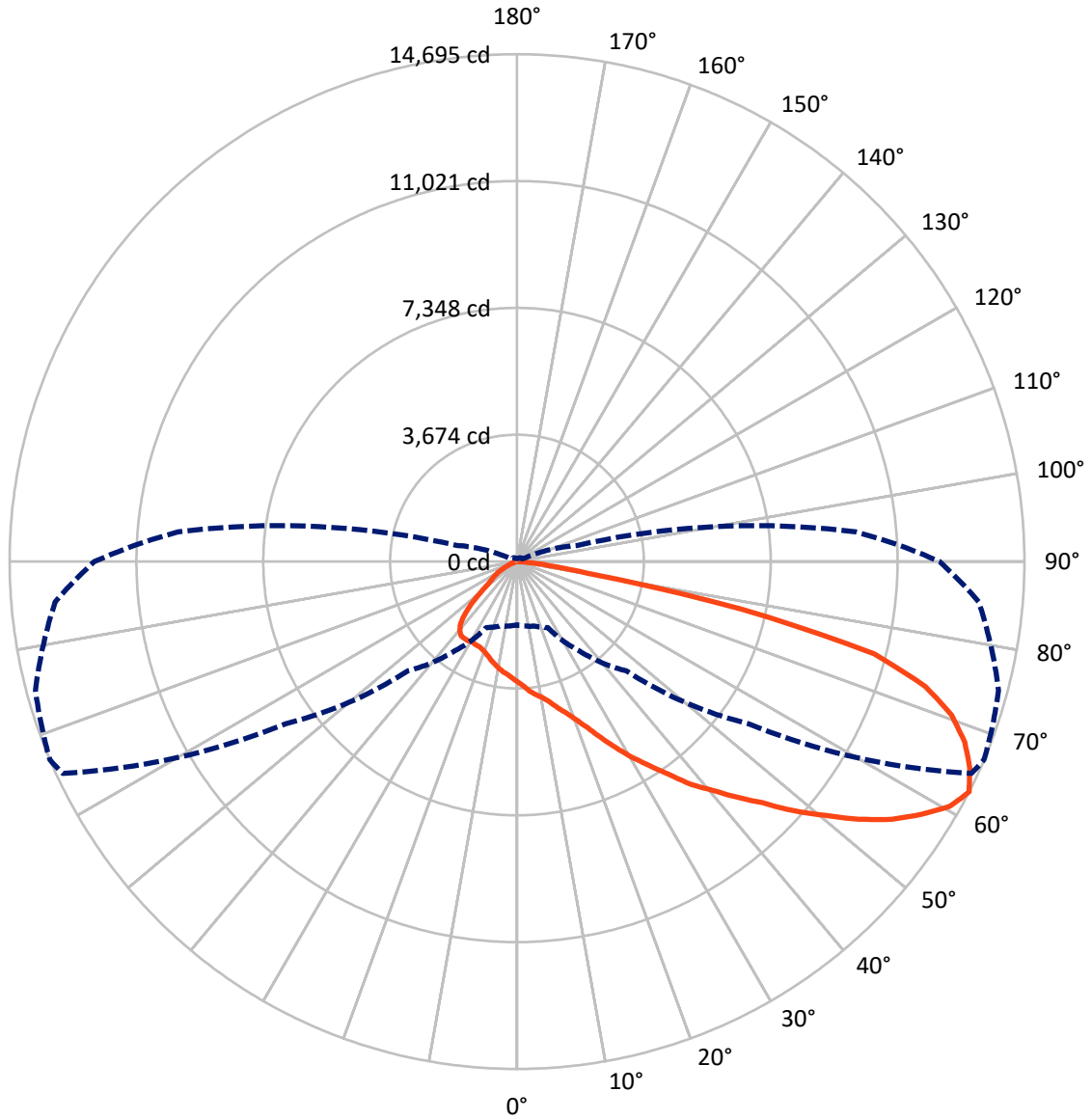
× Max cd
 - - - 1/2 Max cd



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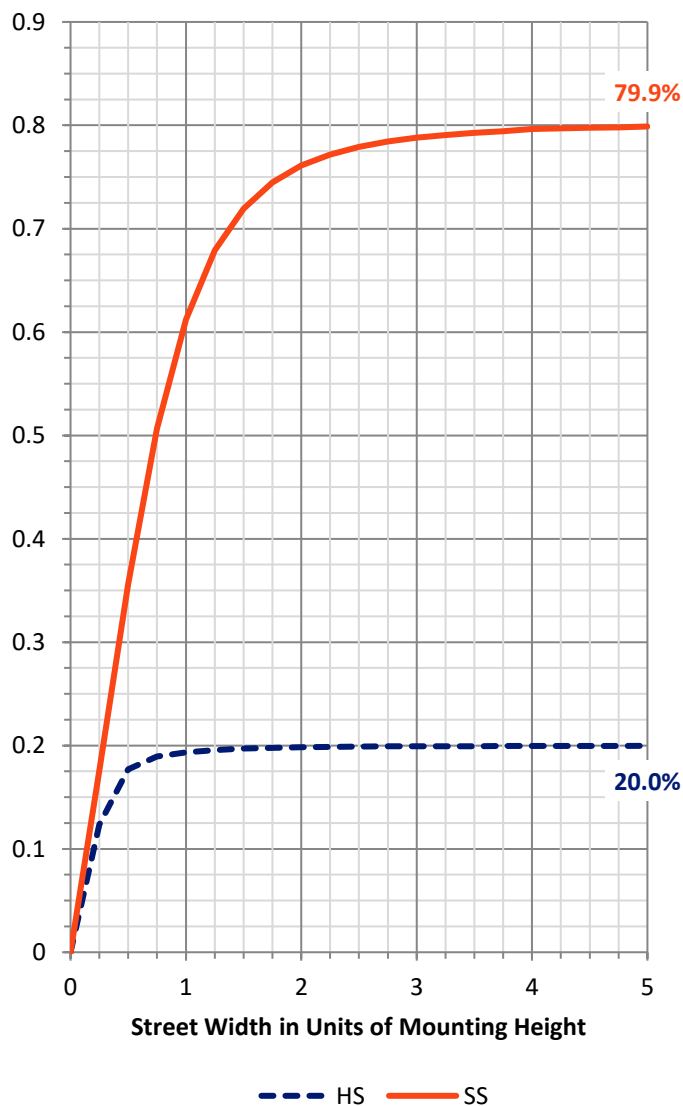
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4014.9	0.0	4014.9
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	15853.1	0.0	15853.1
	% Fixture	79.8	0.0	79.8
Total	Lumens	19868.0	0.0	19868.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.3	1.7
10°-20°	1017.3	5.1
20°-30°	1735.3	8.7
30°-40°	2542.2	12.8
40°-50°	3355.0	16.9
50°-60°	3948.3	19.9
60°-70°	4060.8	20.4
70°-80°	2630.9	13.2
80°-90°	240.8	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°	19868.0	100.0
0°-180°	19868.0	100.0

Coefficient of Utilization



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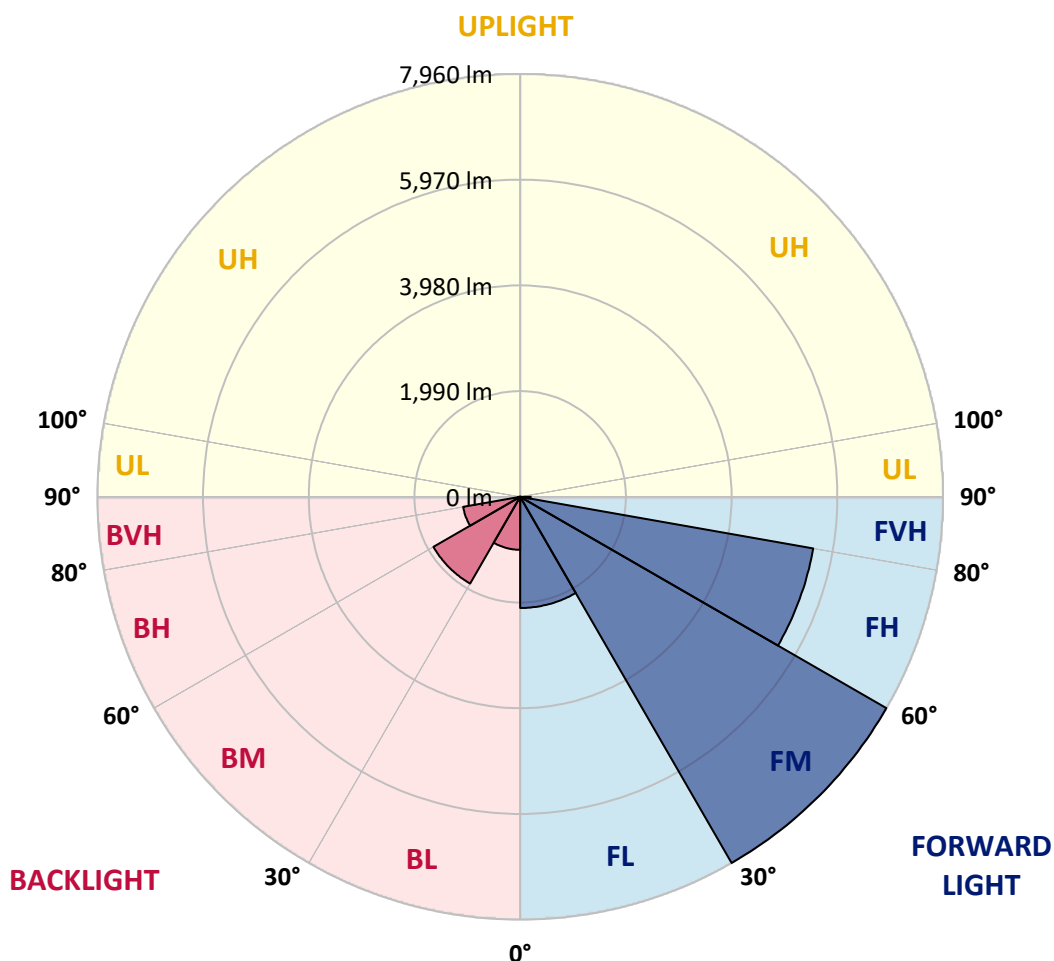
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2092.1	10.5			
FM (30°-60°)	7960.1	40.1			
FH (60°-80°)	5601.7	28.2			G3/7500
FVH (80°-90°)	199.2	1.0			G2/225
BL (0°-30°)	997.8	5.0	B2/1000		
BM (30°-60°)	1885.3	9.5	B2/2500		
BH (60°-80°)	1090.0	5.5	B3/2500		G3/2500
BVH (80°-90°)	41.7	0.2			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3491.0	3491.0	3491.0	3491.0	3491.0	3491.0	3491.0	3491.0	3491.0	3491.0	3491.0
2.5°	3871.7	3867.4	3825.9	3787.2	3761.5	3760.0	3692.8	3632.6	3605.5	3574.0	3503.8
5°	4072.1	4106.4	4060.6	4003.4	3957.6	3923.2	3864.5	3795.8	3767.2	3692.8	3586.8
7.5°	4362.6	4362.6	4319.7	4271.0	4218.1	4126.4	4026.3	3906.0	3891.7	3808.7	3669.9
10°	4502.9	4537.2	4481.4	4424.2	4365.5	4318.2	4182.3	4034.8	3999.1	3874.5	3702.8
12.5°	4699.0	4699.0	4668.9	4620.2	4553.0	4458.5	4371.2	4222.3	4162.2	3976.2	3761.5
15°	4883.6	4867.9	4842.1	4761.9	4727.6	4668.9	4554.4	4398.4	4386.9	4180.8	3851.6
17.5°	5028.2	5002.4	4978.1	4935.1	4893.6	4870.7	4789.1	4653.2	4605.9	4417.0	4022.0
20°	5102.6	5124.1	5065.4	5064.0	5076.8	5059.7	5005.3	4903.6	4883.6	4658.9	4195.2
22.5°	5187.0	5215.7	5201.4	5215.7	5254.3	5282.9	5280.1	5258.6	5227.1	4982.4	4474.3
25°	5205.7	5187.0	5247.2	5380.3	5477.6	5546.3	5680.8	5653.7	5645.1	5428.9	4853.6
27.5°	5148.4	5165.6	5260.0	5451.8	5702.3	5889.8	6000.0	6136.0	6105.9	5938.5	5310.1
30°	5114.0	5144.1	5268.6	5493.3	5829.7	6168.9	6386.5	6555.4	6581.1	6448.0	5759.6
32.5°	4995.3	5035.3	5164.1	5526.3	5954.2	6468.1	6738.6	7053.5	7042.0	6987.6	6306.3
35°	4812.0	4865.0	5062.5	5483.3	6094.5	6737.1	7096.4	7554.4	7563.0	7585.9	6825.9
37.5°	4664.6	4681.8	4906.5	5355.9	6150.3	6954.7	7429.9	8049.7	8188.5	8155.6	7415.6
40°	4428.5	4480.0	4723.3	5199.9	6144.6	7102.1	7769.1	8629.3	8703.8	8806.8	8032.5
42.5°	4137.9	4193.7	4427.0	4988.1	6064.4	7230.9	8095.5	9220.5	9324.9	9486.7	8597.8
45°	3858.8	3883.1	4102.1	4678.9	5908.4	7332.6	8413.2	9803.0	9963.3	10195.2	9167.5
47.5°	3511.0	3576.8	3821.6	4355.5	5563.5	7369.8	8647.9	10490.0	10784.9	10926.6	9817.3
50°	2700.9	2742.4	3429.4	4070.6	5188.5	7253.8	8952.8	11361.7	11547.8	11695.2	10475.7
52.5°	2380.3	2417.5	2683.7	3741.4	4770.5	6953.3	9138.9	12171.8	12396.5	12365.0	11137.0
55°	2245.7	2264.3	2378.8	3053.0	4389.8	6395.1	9269.1	13056.4	13178.0	12974.8	11792.5
57.5°	2089.7	2111.2	2197.1	2559.2	3960.4	5688.0	9160.3	13764.8	13810.7	13558.7	12376.5
60°	1950.9	1965.2	2094.0	2290.1	3493.8	5002.4	8885.5	14274.4	14401.8	13988.1	13006.3
62.5°	1832.1	1866.4	1933.7	2106.9	3167.5	4471.4	8189.9	14514.9	14695.2	14437.6	13424.2
65°	1714.7	1730.4	1807.7	1960.9	2816.8	4157.9	7792.0	14198.5	14408.9	14497.7	13681.8
67.5°	1554.4	1577.3	1653.2	1763.4	2350.2	3853.1	6863.1	13684.7	13985.3	14181.4	13528.7
70°	1366.9	1386.9	1464.2	1555.8	1962.3	3403.6	5792.5	13160.8	13358.4	13371.2	12844.5
72.5°	1149.3	1167.9	1245.2	1336.8	1628.8	2834.0	4540.1	11919.9	12362.2	12642.7	11696.6
75°	731.4	811.5	1003.3	1106.4	1341.1	2292.9	3239.0	9516.7	10679.0	11480.5	10122.2
77.5°	118.8	133.1	393.6	561.1	780.1	1554.4	1799.1	5272.9	6632.7	9594.0	8172.7
80°	90.2	101.6	143.1	380.7	501.0	967.6	708.5	1711.8	2063.9	4485.7	4578.7
82.5°	38.6	45.8	85.9	213.3	236.2	257.6	190.4	765.7	906.0	1364.0	1588.7
85°	12.9	17.2	40.1	67.3	74.4	57.3	41.5	303.4	373.6	654.1	605.4
87.5°	0.0	1.4	8.6	10.0	8.6	5.7	4.3	2.9	2.9	4.3	4.3
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°	3491.0	3491.0	3491.0	3491.0	3491.0	3491.0	3491.0	3491.0	3491.0	3491.0	3491.0
2.5°	3489.5	3440.9	3435.1	3376.4	3323.5	3263.4	3226.2	3213.3	3230.5	3247.6	3264.8
5°	3532.5	3458.0	3383.6	3261.9	3207.6	3141.7	3054.4	3001.4	2977.1	2998.6	3005.7
7.5°	3563.9	3468.0	3353.5	3187.5	3070.1	2944.2	2861.2	2772.4	2723.8	2732.4	2739.5
10°	3569.7	3463.8	3269.1	3108.8	2919.9	2746.7	2637.9	2596.4	2563.5	2534.8	2539.1
12.5°	3622.6	3466.6	3197.5	3002.9	2803.9	2580.6	2459.0	2406.0	2400.3	2341.6	2335.9
15°	3694.2	3529.6	3160.3	2907.0	2652.2	2441.8	2297.2	2202.8	2205.6	2175.6	2171.3
17.5°	3810.1	3591.1	3133.1	2795.3	2493.3	2300.1	2116.9	2031.0	2003.8	1995.2	1988.1
20°	3940.4	3681.3	3100.2	2696.6	2354.5	2129.8	1925.1	1837.8	1761.9	1739.0	1741.9
22.5°	4132.2	3800.1	3127.4	2622.1	2199.9	1963.7	1760.5	1590.2	1459.9	1425.6	1421.3
25°	4471.4	4034.8	3209.0	2557.7	2104.0	1802.0	1528.6	1289.6	1117.8	1080.6	1083.5
27.5°	4849.3	4344.0	3322.1	2530.5	1982.4	1623.1	1246.7	980.4	820.1	777.2	780.1
30°	5297.3	4711.9	3493.8	2454.7	1852.1	1362.6	928.9	718.5	594.0	543.9	546.8
32.5°	5728.1	5079.7	3714.2	2443.2	1688.9	1023.4	671.3	522.4	420.8	383.6	387.9
35°	6203.3	5500.5	3946.1	2386.0	1421.3	734.3	470.9	362.1	307.7	296.3	294.8
37.5°	6741.4	5875.5	4117.9	2333.0	1063.5	516.7	322.0	279.1	271.9	256.2	256.2
40°	7241.0	6266.2	4246.7	2192.8	744.3	350.7	251.9	253.3	246.2	224.7	220.4
42.5°	7701.8	6669.9	4365.5	1968.0	503.8	239.0	226.1	230.4	233.3	209.0	203.2
45°	8224.3	7168.0	4339.7	1630.3	320.6	216.1	203.2	216.1	230.4	206.1	200.4
47.5°	8796.8	7533.0	4394.1	1176.5	226.1	204.7	188.9	206.1	217.6	201.8	193.2
50°	9443.7	8011.0	4229.5	684.2	207.5	193.2	181.8	188.9	206.1	197.5	187.5
52.5°	10036.3	8437.5	4004.8	334.9	196.1	181.8	170.3	176.1	193.2	183.2	186.1
55°	10535.8	8881.2	3548.2	239.0	188.9	168.9	164.6	166.0	176.1	163.2	171.8
57.5°	11148.4	9246.2	3084.5	223.3	183.2	160.3	161.7	150.3	153.1	146.0	137.4
60°	11693.8	9591.2	2454.7	206.1	174.6	164.6	146.0	130.2	121.7	117.4	115.9
62.5°	12239.1	9853.1	1809.2	187.5	166.0	148.9	128.8	111.6	97.3	91.6	90.2
65°	12445.2	9993.4	1235.2	171.8	156.0	136.0	114.5	90.2	74.4	68.7	64.4
67.5°	12292.0	9554.0	715.7	154.6	150.3	124.5	100.2	73.0	57.3	53.0	50.1
70°	11582.1	8864.1	382.2	140.3	131.7	110.2	88.7	60.1	45.8	40.1	38.6
72.5°	10361.2	7623.1	200.4	117.4	110.2	90.2	70.1	50.1	37.2	30.1	28.6
75°	8798.2	5984.3	140.3	85.9	75.9	70.1	53.0	40.1	30.1	22.9	21.5
77.5°	6944.7	3888.9	105.9	55.8	44.4	45.8	38.6	32.9	24.3	17.2	17.2
80°	3586.8	2021.0	80.2	37.2	25.8	27.2	27.2	24.3	18.6	12.9	12.9
82.5°	1422.7	744.3	55.8	21.5	15.7	17.2	15.7	15.7	12.9	8.6	8.6
85°	469.5	163.2	20.0	12.9	10.0	10.0	8.6	7.2	4.3	2.9	2.9
87.5°	4.3	4.3	5.7	7.2	7.2	5.7	4.3	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)