

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: P553577

Luminaire Tested: **VERD-G-CA2-150-750-U-T2**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553577
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-150-750-U-T2
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1380mA LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22227 lumens
Efficiency: N/A
Efficacy: 146.0 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

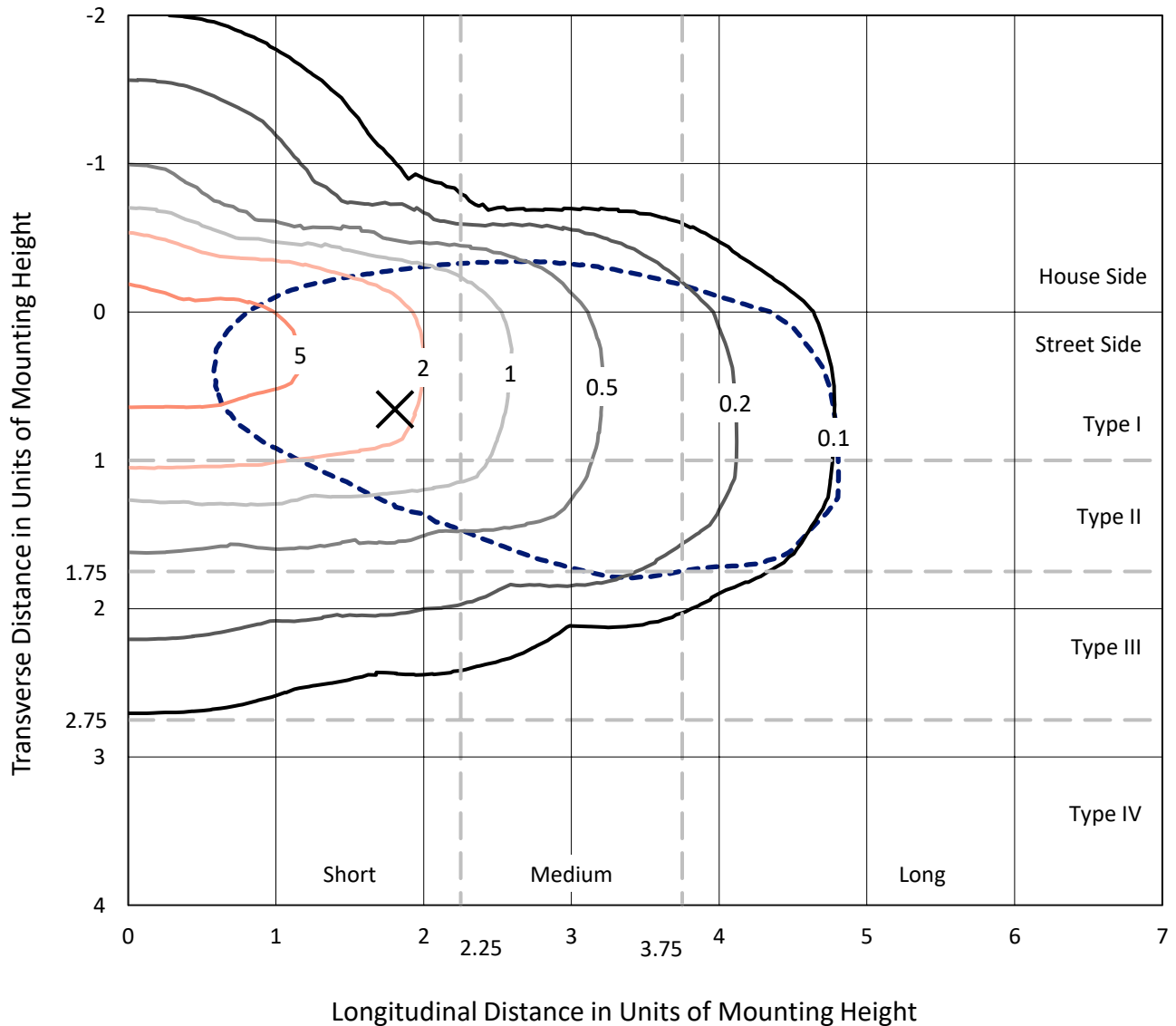
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

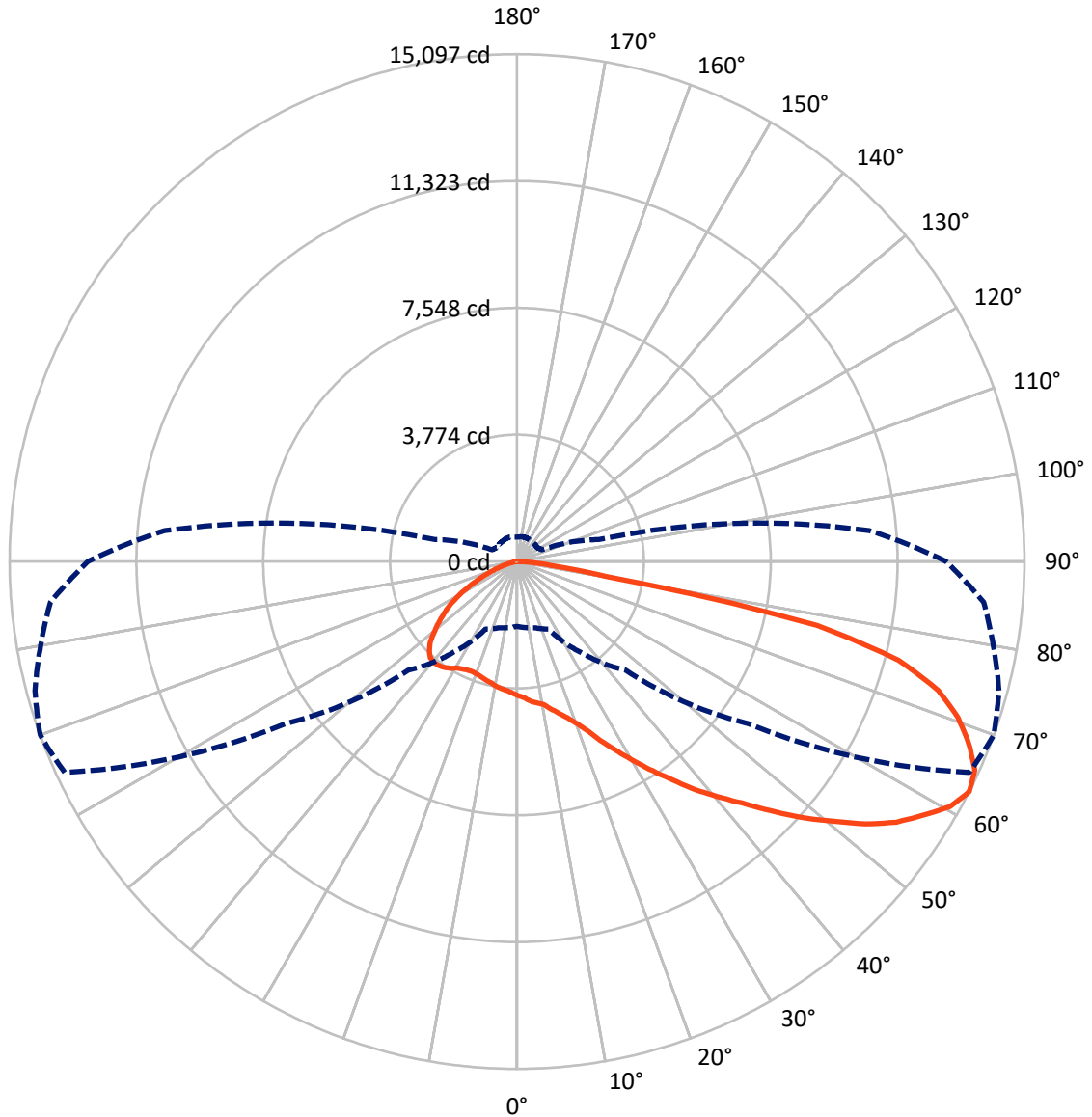
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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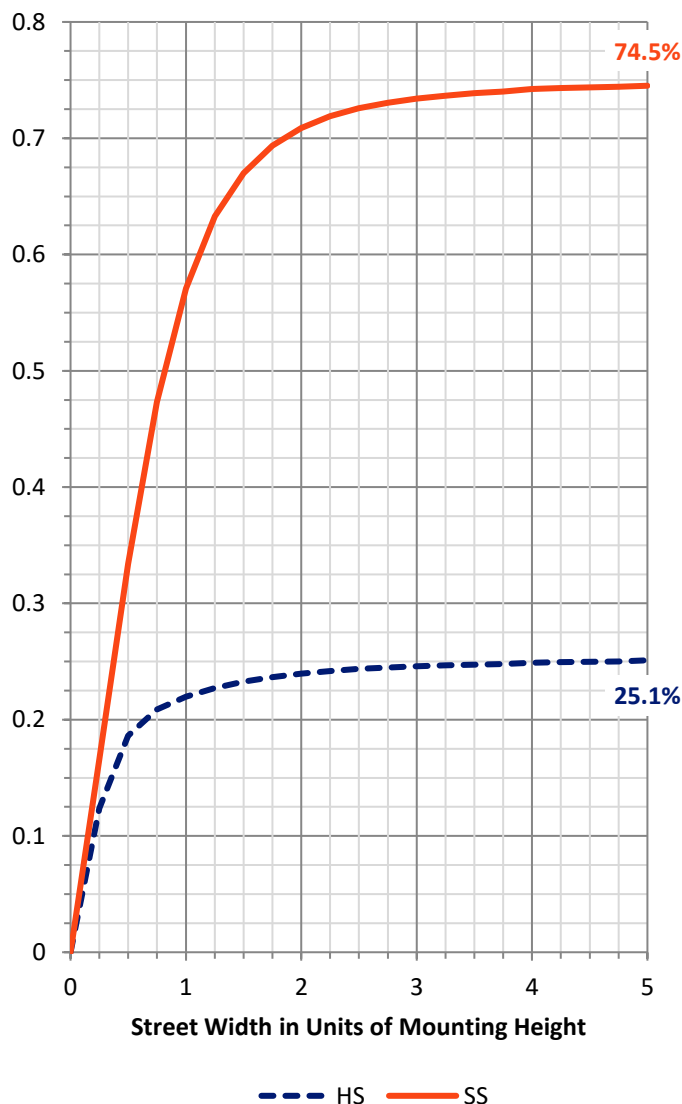
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5679.8	0.0	5679.8
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	16547.2	0.0	16547.2
	% Fixture	74.4	0.0	74.4
Total	Lumens	22227.0	0.0	22227.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.2	1.7
10°-20°	1171.8	5.3
20°-30°	1991.8	9.0
30°-40°	2866.2	12.9
40°-50°	3719.5	16.7
50°-60°	4360.2	19.6
60°-70°	4471.4	20.1
70°-80°	2934.1	13.2
80°-90°	326.9	1.5
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°	22227.0	100.0
0°-180°	22227.0	100.0

Coefficient of Utilization



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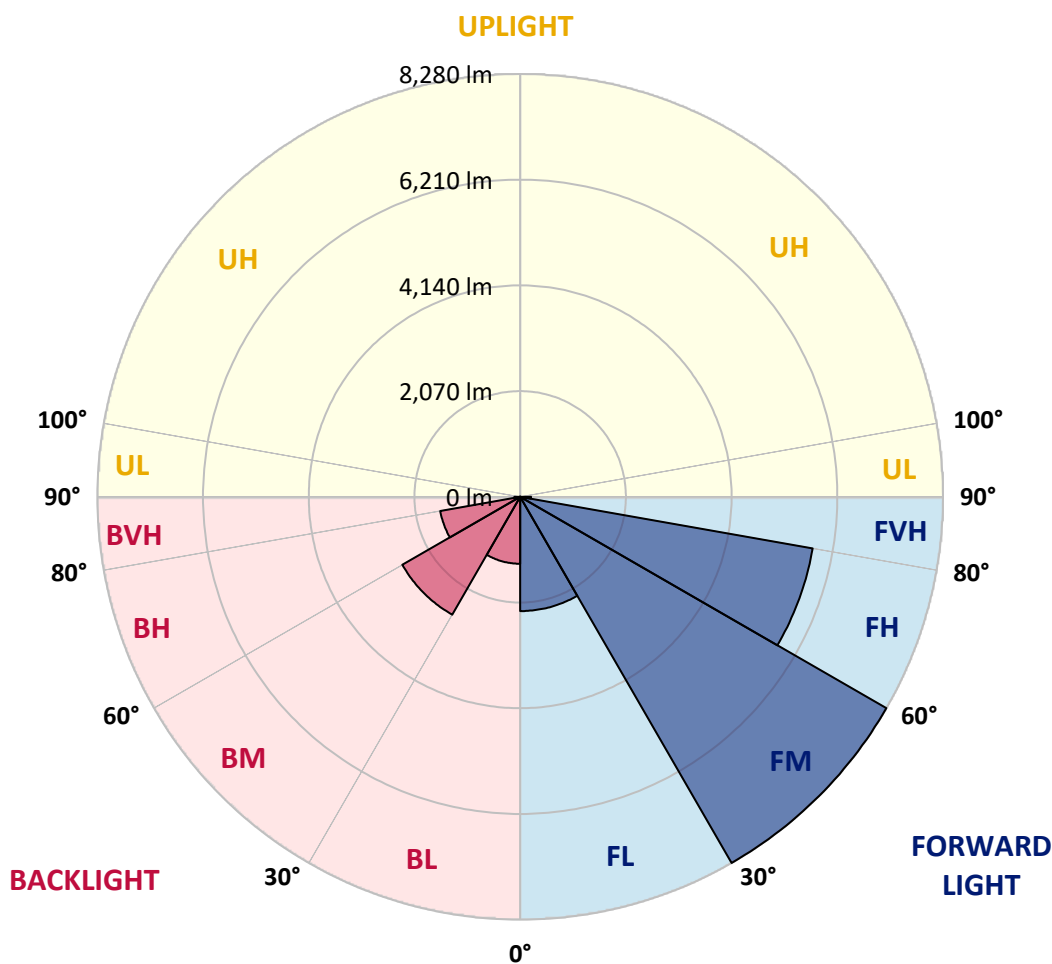
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2237.3	10.1			
FM (30°-60°)	8280.2	37.3			
FH (60°-80°)	5816.6	26.2			G3/7500
FVH (80°-90°)	213.1	1.0			G2/225
BL (0°-30°)	1311.5	5.9	B3/2500		
BM (30°-60°)	2665.7	12.0	B3/5000		
BH (60°-80°)	1588.8	7.1	B3/2500		G3/2500
BVH (80°-90°)	113.7	0.5			G2/225
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°	70°	75°	85°
0°	3989.2	3989.2	3989.2	3989.2	3989.2	3989.2	3989.2	3989.2	3989.2	3989.2	3989.2
2.5°	4245.7	4261.7	4235.5	4210.7	4185.9	4171.4	4146.6	4076.6	4051.9	4030.0	3986.3
5°	4465.8	4487.6	4449.7	4371.0	4352.1	4290.9	4257.4	4197.6	4172.8	4134.9	4062.1
7.5°	4723.8	4726.7	4672.7	4648.0	4585.3	4502.2	4395.8	4286.5	4250.1	4210.7	4118.9
10°	4873.9	4904.5	4852.0	4774.8	4731.0	4656.7	4544.5	4400.2	4320.0	4250.1	4148.0
12.5°	5085.2	5092.5	5008.0	4964.2	4905.9	4812.7	4703.4	4578.0	4499.3	4369.6	4184.5
15°	5239.7	5244.1	5168.3	5121.7	5066.3	5010.9	4892.8	4761.7	4684.4	4554.7	4273.4
17.5°	5350.5	5369.4	5322.8	5289.3	5231.0	5191.6	5098.3	4994.9	4894.3	4777.7	4458.5
20°	5471.5	5481.7	5395.7	5410.2	5400.0	5382.5	5338.8	5241.2	5159.6	5005.1	4607.2
22.5°	5505.0	5487.5	5510.8	5567.7	5595.3	5615.7	5602.6	5580.8	5506.4	5314.0	4888.5
25°	5455.4	5477.3	5532.7	5656.6	5811.1	5902.9	5968.5	5984.5	5962.6	5779.0	5264.5
27.5°	5442.3	5432.1	5522.5	5733.8	5993.2	6207.5	6337.2	6459.6	6404.3	6289.1	5688.6
30°	5386.9	5382.5	5541.4	5758.6	6092.4	6490.3	6722.0	6929.0	6902.7	6786.1	6185.6
32.5°	5251.4	5280.5	5403.0	5779.0	6243.9	6764.3	7047.0	7386.6	7426.0	7340.0	6688.5
35°	5076.5	5086.7	5282.0	5725.1	6362.0	7004.7	7415.8	7888.0	7979.8	7976.9	7254.0
37.5°	4854.9	4913.2	5121.7	5591.0	6413.0	7224.8	7769.9	8421.4	8605.1	8577.4	7819.5
40°	4633.4	4669.8	4916.1	5420.4	6417.4	7372.0	8070.2	8991.3	9195.4	9199.7	8463.7
42.5°	4301.1	4362.3	4620.3	5196.0	6319.7	7497.4	8369.0	9588.9	9820.6	9854.2	9061.3
45°	4024.2	4044.6	4273.4	4847.6	6108.4	7564.4	8701.3	10201.0	10575.6	10547.9	9580.2
47.5°	3665.6	3745.8	3987.7	4518.3	5777.5	7576.1	8989.9	10912.3	11375.8	11311.7	10287.0
50°	2836.3	2925.2	3584.0	4220.9	5359.2	7443.5	9221.6	11757.7	12135.1	12066.6	10889.0
52.5°	2501.1	2544.8	2811.5	3874.0	4924.9	7127.2	9406.7	12559.3	12971.8	12760.4	11593.0
55°	2358.2	2378.6	2499.6	3168.6	4541.6	6608.3	9513.1	13458.6	13690.3	13376.9	12248.8
57.5°	2203.7	2251.8	2313.1	2670.1	4114.5	5889.8	9447.5	14204.8	14242.7	13930.8	12808.5
60°	2058.0	2078.4	2205.2	2393.2	3623.3	5147.9	9077.3	14669.7	14803.8	14420.5	13481.9
62.5°	1928.3	1964.7	2039.0	2215.4	3295.4	4570.7	8418.5	14849.0	15096.8	14847.6	13936.6
65°	1805.8	1817.5	1902.0	2062.4	2932.5	4286.5	8038.1	14566.3	14968.5	14929.2	14136.3
67.5°	1661.6	1674.7	1749.0	1859.8	2479.2	3970.2	7047.0	14166.9	14505.0	14639.1	14022.6
70°	1473.5	1483.7	1571.2	1636.8	2078.4	3503.8	5917.5	13554.8	13920.6	13796.7	13258.9
72.5°	1257.8	1273.9	1343.8	1425.4	1728.6	2954.4	4634.9	12273.6	13111.7	13030.1	12124.9
75°	1015.9	1040.7	1097.5	1195.2	1405.0	2346.6	3280.8	9931.4	11721.2	11843.6	10463.4
77.5°	481.0	505.8	556.8	638.4	851.2	1636.8	1795.6	5598.3	9128.3	9886.2	8424.4
80°	157.4	160.3	377.5	431.4	540.7	1008.6	733.1	1826.2	2703.7	4572.2	4531.4
82.5°	84.5	91.8	204.1	250.7	271.1	271.1	214.3	806.0	1138.3	1391.9	1612.0
85°	45.2	46.6	71.4	86.0	93.3	74.3	55.4	332.3	533.4	666.1	660.2
87.5°	18.9	20.4	21.9	18.9	16.0	10.2	7.3	5.8	5.8	5.8	5.8
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°	3989.2	3989.2	3989.2	3989.2	3989.2	3989.2	3989.2	3989.2	3989.2	3989.2	3989.2
2.5°	3964.4	3944.0	3933.8	3891.5	3844.9	3795.3	3756.0	3757.4	3788.0	3811.4	3809.9
5°	4009.6	3958.6	3895.9	3796.8	3756.0	3719.5	3675.8	3617.5	3636.5	3659.8	3677.3
7.5°	4034.4	3968.8	3884.2	3737.0	3670.0	3591.3	3550.5	3474.7	3442.6	3465.9	3465.9
10°	4025.6	3958.6	3812.8	3705.0	3573.8	3449.9	3368.3	3349.3	3321.6	3317.3	3315.8
12.5°	4083.9	3984.8	3769.1	3610.2	3490.7	3331.8	3244.4	3226.9	3232.7	3196.3	3202.1
15°	4140.8	4028.5	3731.2	3566.5	3381.4	3194.8	3124.9	3060.8	3089.9	3059.3	3066.6
17.5°	4242.8	4107.2	3710.8	3479.1	3241.5	3079.7	2954.4	2881.5	2878.6	2874.2	2862.5
20°	4359.4	4171.4	3707.9	3403.3	3127.8	2935.4	2756.1	2676.0	2617.7	2638.1	2639.5
22.5°	4570.7	4292.3	3738.5	3333.3	2968.9	2753.2	2569.6	2447.1	2377.2	2388.8	2390.3
25°	4871.0	4545.9	3818.7	3273.5	2836.3	2541.9	2361.2	2206.7	2122.1	2123.6	2146.9
27.5°	5306.8	4849.1	3946.9	3222.5	2694.9	2342.2	2097.3	1945.8	1853.9	1852.5	1868.5
30°	5738.2	5228.1	4130.6	3149.7	2515.6	2074.0	1797.1	1676.1	1619.3	1581.4	1590.1
32.5°	6165.2	5634.7	4369.6	3111.8	2305.8	1757.7	1526.0	1442.9	1371.5	1301.5	1308.8
35°	6649.1	6016.6	4610.1	3036.0	2053.6	1495.4	1333.6	1219.9	1128.1	1091.7	1084.4
37.5°	7217.5	6461.1	4776.2	2971.8	1754.8	1319.0	1122.3	1037.7	978.0	938.6	932.8
40°	7718.9	6834.2	4959.9	2821.7	1467.7	1160.2	937.2	892.0	884.7	854.1	849.7
42.5°	8226.1	7291.9	5085.2	2625.0	1270.9	957.6	801.6	827.9	868.7	849.7	849.7
45°	8743.5	7769.9	5110.0	2330.5	1082.9	810.4	768.1	817.7	874.5	878.9	877.4
47.5°	9310.5	8194.1	5158.1	1909.3	948.8	772.5	762.3	803.1	876.0	902.2	896.4
50°	9953.3	8653.2	5024.0	1456.0	868.7	776.8	768.1	787.1	865.8	894.9	884.7
52.5°	10578.5	9094.8	4802.5	1110.6	817.7	781.2	798.7	784.1	841.0	870.1	881.8
55°	11158.6	9581.6	4333.1	988.2	782.7	775.4	823.5	797.3	817.7	826.4	842.4
57.5°	11746.0	9940.2	3834.7	927.0	763.7	768.1	808.9	797.3	810.4	800.2	787.1
60°	12296.9	10317.6	3191.9	870.1	743.3	763.7	779.8	776.8	785.6	766.6	757.9
62.5°	12764.8	10521.7	2520.0	820.6	725.8	743.3	740.4	755.0	756.4	734.6	728.8
65°	12979.0	10609.1	1923.9	775.4	699.6	717.1	702.5	705.4	706.9	677.7	676.3
67.5°	12761.9	10128.2	1319.0	708.3	671.9	693.8	666.1	661.7	651.5	622.4	623.8
70°	12127.9	9325.1	880.3	612.2	612.2	650.0	634.0	623.8	599.0	571.3	580.1
72.5°	10711.2	7960.9	571.3	494.1	537.8	599.0	591.7	577.2	518.9	440.2	443.1
75°	9161.8	6318.3	380.4	360.0	411.0	518.9	492.6	457.7	434.3	459.1	489.7
77.5°	7134.5	4028.5	212.8	207.0	243.4	364.4	411.0	418.3	591.7	702.5	695.2
80°	3703.5	2046.3	123.9	102.0	144.3	244.9	323.6	440.2	734.6	553.9	536.4
82.5°	1456.0	766.6	75.8	53.9	64.1	100.6	214.3	632.6	556.8	279.8	268.2
85°	498.5	173.4	30.6	27.7	30.6	42.3	84.5	567.0	288.6	177.8	169.1
87.5°	5.8	5.8	7.3	8.7	10.2	10.2	23.3	269.6	134.1	83.1	80.2
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)