

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: P553552

Luminaire Tested: **VERD-G-CA2-150-727-U-T2-HSS**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553552
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-CA2-150-727-U-T2-HSS
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 1380mA LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16824 lumens
Efficiency: N/A
Efficacy: 110.5 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

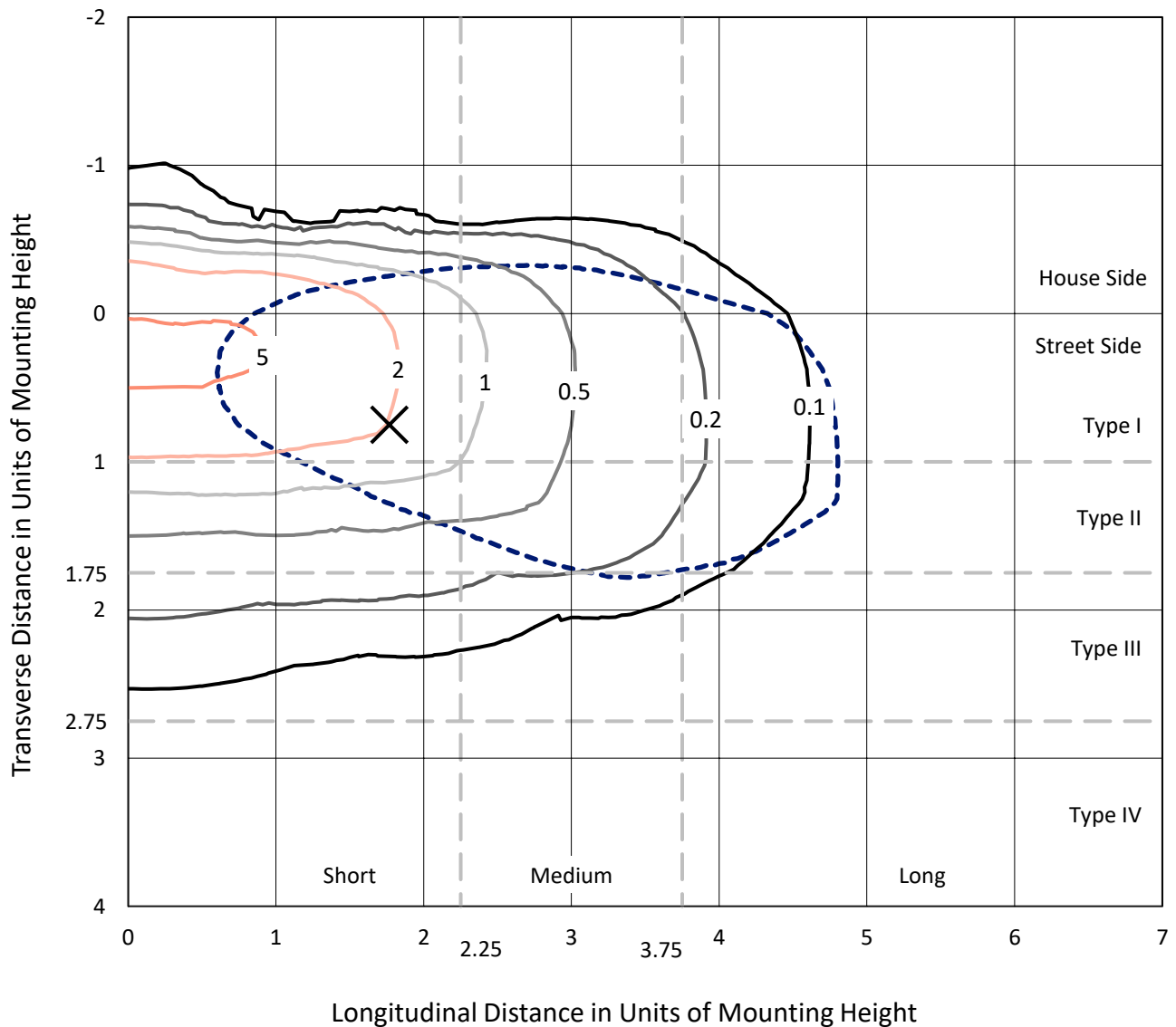
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P553552
 CATALOG NUMBER: VERD-G-CA2-150-727-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

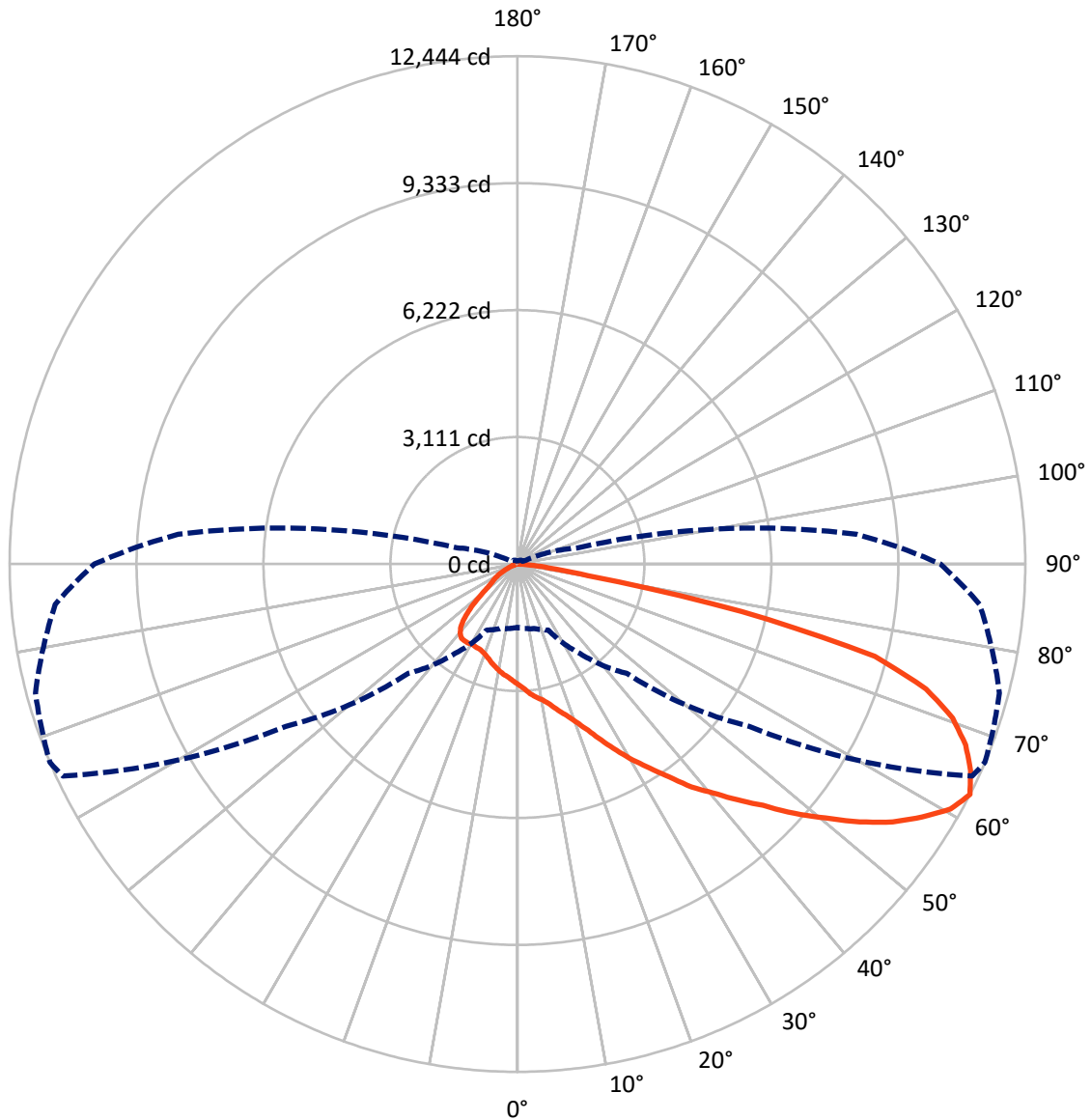
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type II - Short - N/A

REPORT NUMBER: P553552
CATALOG NUMBER: VERD-G-CA2-150-727-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P553552
 CATALOG NUMBER: VERD-G-CA2-150-727-U-T2-HSS

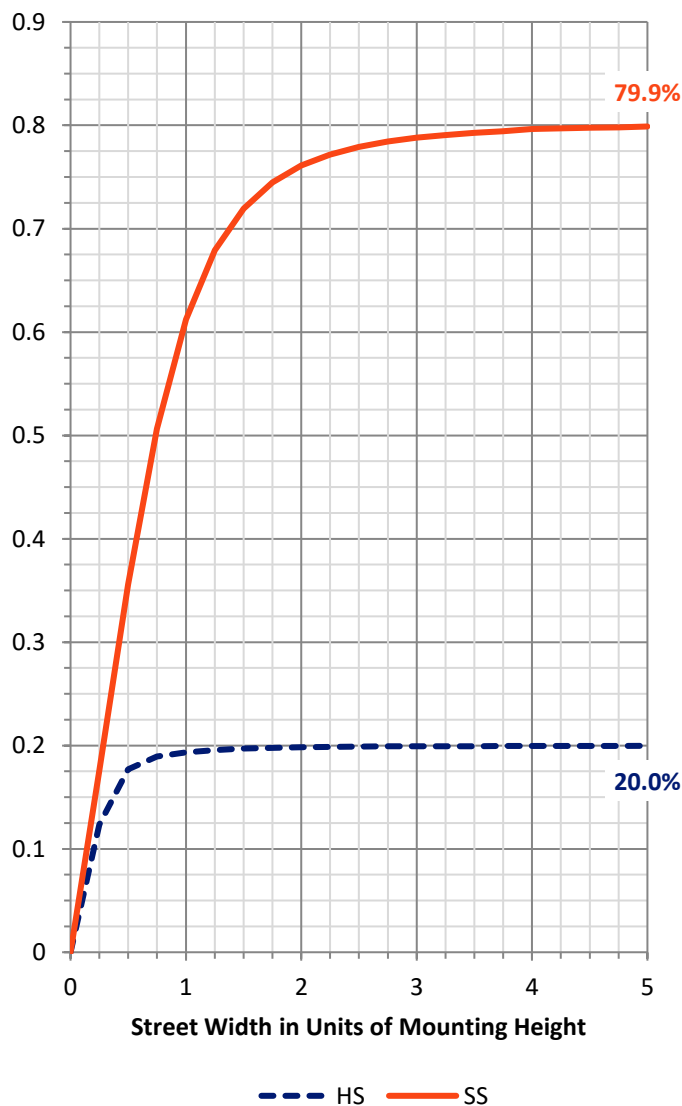
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3399.7	0.0	3399.7
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	13424.2	0.0	13424.2
	% Fixture	79.8	0.0	79.8
Total	Lumens	16824.0	0.0	16824.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.6	1.7
10°-20°	861.5	5.1
20°-30°	1469.4	8.7
30°-40°	2152.7	12.8
40°-50°	2841.0	16.9
50°-60°	3343.4	19.9
60°-70°	3438.7	20.4
70°-80°	2227.8	13.2
80°-90°	203.9	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°	16824.0	100.0
0°-180°	16824.0	100.0



REPORT NUMBER: P553552

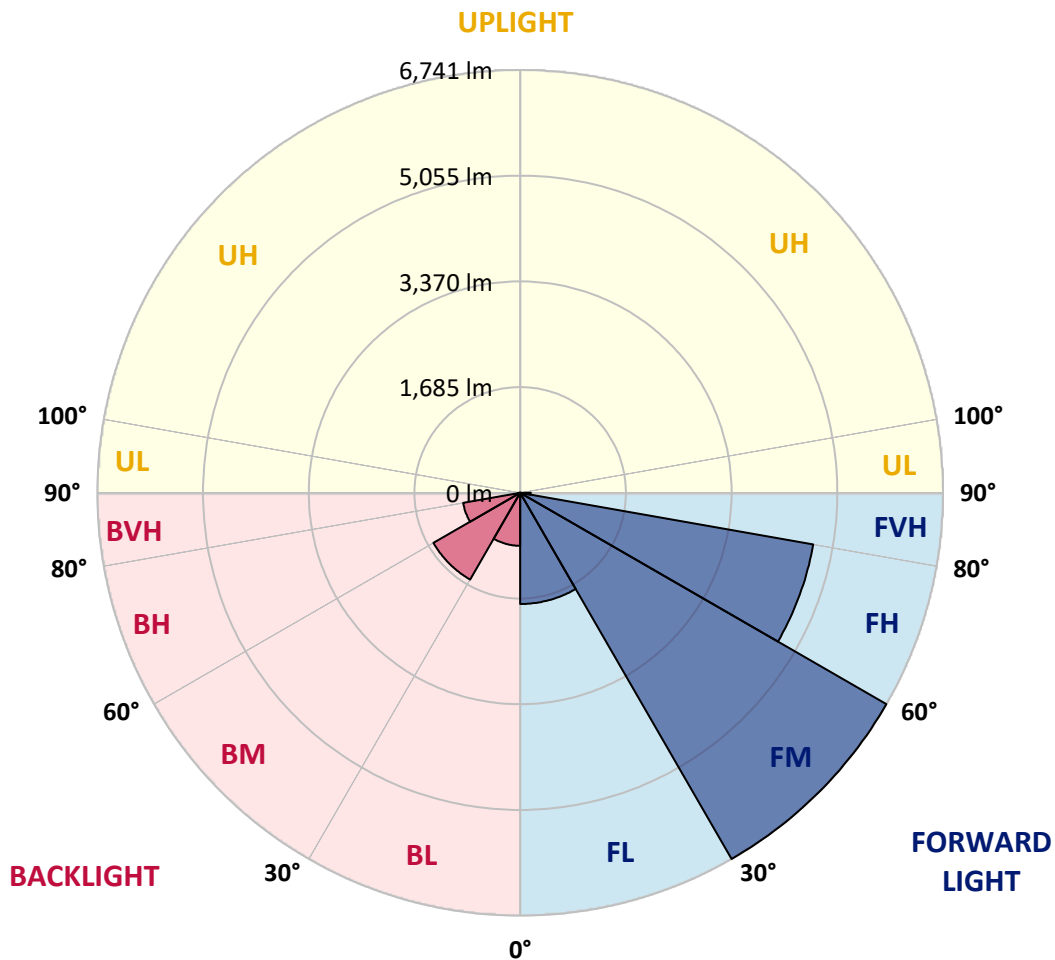
CATALOG NUMBER: VERD-G-CA2-150-727-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1771.6	10.5			
FM (30°-60°)	6740.6	40.1			
FH (60°-80°)	4743.5	28.2			G2/5000
FVH (80°-90°)	168.6	1.0			G2/225
BL (0°-30°)	845.0	5.0	B2/1000		
BM (30°-60°)	1596.5	9.5	B2/2500		
BH (60°-80°)	923.0	5.5	B2/1000		G2/1000
BVH (80°-90°)	35.3	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





REPORT NUMBER: P553552

CATALOG NUMBER: VERD-G-CA2-150-727-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2956.1	2956.1	2956.1	2956.1	2956.1	2956.1	2956.1	2956.1	2956.1	2956.1	2956.1
2.5°	3278.5	3274.9	3239.7	3207.0	3185.2	3184.0	3127.0	3076.1	3053.1	3026.4	2967.0
5°	3448.2	3477.3	3438.5	3390.0	3351.2	3322.1	3272.4	3214.3	3190.0	3127.0	3037.3
7.5°	3694.2	3694.2	3657.9	3616.6	3571.8	3494.2	3409.4	3307.6	3295.5	3225.2	3107.6
10°	3813.0	3842.1	3794.8	3746.3	3696.6	3656.6	3541.5	3416.7	3386.4	3280.9	3135.5
12.5°	3979.0	3979.0	3953.6	3912.4	3855.4	3775.4	3701.5	3575.4	3524.5	3367.0	3185.2
15°	4135.4	4122.1	4100.2	4032.4	4003.3	3953.6	3856.6	3724.5	3714.8	3540.3	3261.5
17.5°	4257.8	4236.0	4215.4	4179.0	4143.9	4124.5	4055.4	3940.3	3900.3	3740.3	3405.8
20°	4320.8	4339.0	4289.3	4288.1	4299.0	4284.5	4238.4	4152.4	4135.4	3945.1	3552.4
22.5°	4392.3	4416.6	4404.5	4416.6	4449.3	4473.5	4471.1	4452.9	4426.3	4219.0	3788.7
25°	4408.1	4392.3	4443.2	4556.0	4638.4	4696.5	4810.5	4787.4	4780.2	4597.2	4109.9
27.5°	4359.6	4374.2	4454.1	4616.6	4828.7	4987.4	5080.8	5195.9	5170.4	5028.6	4496.6
30°	4330.5	4356.0	4461.4	4651.7	4936.5	5223.8	5408.0	5551.0	5572.8	5460.1	4877.1
32.5°	4229.9	4263.9	4372.9	4679.6	5042.0	5477.1	5706.2	5972.8	5963.1	5917.0	5340.1
35°	4074.8	4119.6	4286.9	4643.2	5160.7	5704.9	6009.2	6397.0	6404.3	6423.7	5780.1
37.5°	3949.9	3964.5	4154.8	4535.3	5208.0	5889.2	6291.6	6816.4	6933.9	6906.0	6279.4
40°	3750.0	3793.6	3999.6	4403.2	5203.2	6014.0	6578.8	7307.2	7370.2	7457.5	6801.8
42.5°	3503.9	3551.2	3748.8	4223.9	5135.3	6123.1	6855.1	7807.8	7896.3	8033.2	7280.6
45°	3267.6	3288.2	3473.6	3962.1	5003.2	6209.1	7124.2	8301.1	8436.8	8633.2	7762.9
47.5°	2973.1	3028.8	3236.1	3688.2	4711.1	6240.7	7323.0	8882.8	9132.5	9252.5	8313.2
50°	2287.1	2322.2	2904.0	3447.0	4393.5	6142.5	7581.1	9621.0	9778.5	9903.4	8870.7
52.5°	2015.6	2047.1	2272.5	3168.2	4039.6	5888.0	7738.7	10307.0	10497.2	10470.6	9430.7
55°	1901.6	1917.4	2014.4	2585.2	3717.2	5415.3	7849.0	11056.0	11159.0	10986.9	9985.8
57.5°	1769.5	1787.7	1860.4	2167.1	3353.6	4816.5	7756.9	11655.9	11694.7	11481.4	10480.3
60°	1652.0	1664.1	1773.2	1939.2	2958.5	4236.0	7524.2	12087.4	12195.3	11845.0	11013.6
62.5°	1551.4	1580.5	1637.4	1784.1	2682.2	3786.3	6935.1	12291.0	12443.7	12225.6	11367.5
65°	1452.0	1465.3	1530.8	1660.5	2385.2	3520.9	6598.2	12023.2	12201.3	12276.5	11585.6
67.5°	1316.2	1335.6	1399.9	1493.2	1990.1	3262.7	5811.6	11588.0	11842.6	12008.6	11455.9
70°	1157.5	1174.4	1239.9	1317.5	1661.7	2882.2	4905.0	11144.5	11311.7	11322.6	10876.6
72.5°	973.2	989.0	1054.5	1132.0	1379.3	2399.8	3844.5	10093.6	10468.1	10705.7	9904.6
75°	619.3	687.2	849.6	936.9	1135.7	1941.6	2742.8	8058.7	9042.8	9721.5	8571.3
77.5°	100.6	112.7	333.3	475.1	660.5	1316.2	1523.5	4465.1	5616.5	8124.1	6920.6
80°	76.4	86.1	121.2	322.4	424.2	819.3	599.9	1449.6	1747.7	3798.4	3877.2
82.5°	32.7	38.8	72.7	180.6	200.0	218.2	161.2	648.4	767.2	1155.0	1345.3
85°	10.9	14.5	33.9	57.0	63.0	48.5	35.1	256.9	316.3	553.9	512.7
87.5°	0.0	1.2	7.3	8.5	7.3	4.8	3.6	2.4	2.4	3.6	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P553552

CATALOG NUMBER: VERD-G-CA2-150-727-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2956.1	2956.1	2956.1	2956.1	2956.1	2956.1	2956.1	2956.1	2956.1	2956.1	2956.1
2.5°	2954.9	2913.7	2908.8	2859.1	2814.3	2763.4	2731.9	2721.0	2735.5	2750.1	2764.6
5°	2991.2	2928.2	2865.2	2762.2	2716.1	2660.4	2586.4	2541.6	2521.0	2539.2	2545.2
7.5°	3017.9	2936.7	2839.7	2699.2	2599.8	2493.1	2422.8	2347.7	2306.5	2313.7	2319.8
10°	3022.8	2933.1	2768.2	2632.5	2472.5	2325.9	2233.7	2198.6	2170.7	2146.5	2150.1
12.5°	3067.6	2935.5	2707.6	2542.8	2374.3	2185.3	2082.2	2037.4	2032.5	1982.9	1978.0
15°	3128.2	2988.8	2676.1	2461.6	2245.9	2067.7	1945.3	1865.3	1867.7	1842.3	1838.6
17.5°	3226.4	3040.9	2653.1	2367.1	2111.3	1947.7	1792.6	1719.8	1696.8	1689.5	1683.5
20°	3336.7	3117.3	2625.2	2283.4	1993.8	1803.5	1630.2	1556.2	1492.0	1472.6	1475.0
22.5°	3499.1	3217.9	2648.2	2220.4	1862.9	1662.9	1490.8	1346.5	1236.3	1207.2	1203.5
25°	3786.3	3416.7	2717.3	2165.9	1781.7	1525.9	1294.4	1092.0	946.6	915.1	917.5
27.5°	4106.3	3678.5	2813.1	2142.8	1678.6	1374.4	1055.7	830.2	694.5	658.1	660.5
30°	4485.7	3989.9	2958.5	2078.6	1568.3	1153.8	786.6	608.4	503.0	460.6	463.0
32.5°	4850.5	4301.4	3145.2	2068.9	1430.2	866.6	568.4	442.4	356.3	324.8	328.5
35°	5252.9	4657.8	3341.5	2020.4	1203.5	621.8	398.8	306.6	260.6	250.9	249.7
37.5°	5708.6	4975.3	3487.0	1975.6	900.5	437.5	272.7	236.3	230.3	217.0	217.0
40°	6131.6	5306.2	3596.0	1856.8	630.2	296.9	213.3	214.5	208.5	190.3	186.6
42.5°	6521.8	5648.0	3696.6	1666.5	426.6	202.4	191.5	195.1	197.6	177.0	172.1
45°	6964.2	6069.8	3674.8	1380.5	271.5	183.0	172.1	183.0	195.1	174.5	169.7
47.5°	7449.0	6378.8	3720.9	996.3	191.5	173.3	160.0	174.5	184.2	170.9	163.6
50°	7996.9	6783.6	3581.5	579.3	175.7	163.6	153.9	160.0	174.5	167.3	158.8
52.5°	8498.6	7144.8	3391.2	283.6	166.0	153.9	144.2	149.1	163.6	155.1	157.6
55°	8921.6	7520.5	3004.6	202.4	160.0	143.0	139.4	140.6	149.1	138.2	145.4
57.5°	9440.4	7829.6	2611.9	189.1	155.1	135.7	137.0	127.3	129.7	123.6	116.4
60°	9902.1	8121.7	2078.6	174.5	147.9	139.4	123.6	110.3	103.0	99.4	98.2
62.5°	10363.9	8343.5	1532.0	158.8	140.6	126.0	109.1	94.5	82.4	77.6	76.4
65°	10538.4	8462.3	1046.0	145.4	132.1	115.1	97.0	76.4	63.0	58.2	54.5
67.5°	10408.8	8090.2	606.0	130.9	127.3	105.4	84.8	61.8	48.5	44.8	42.4
70°	9807.6	7506.0	323.6	118.8	111.5	93.3	75.1	50.9	38.8	33.9	32.7
72.5°	8773.8	6455.2	169.7	99.4	93.3	76.4	59.4	42.4	31.5	25.5	24.2
75°	7450.2	5067.4	118.8	72.7	64.2	59.4	44.8	33.9	25.5	19.4	18.2
77.5°	5880.7	3293.0	89.7	47.3	37.6	38.8	32.7	27.9	20.6	14.5	14.5
80°	3037.3	1711.4	67.9	31.5	21.8	23.0	23.0	20.6	15.8	10.9	10.9
82.5°	1204.7	630.2	47.3	18.2	13.3	14.5	13.3	13.3	10.9	7.3	7.3
85°	397.5	138.2	17.0	10.9	8.5	8.5	7.3	6.1	3.6	2.4	2.4
87.5°	3.6	3.6	4.8	6.1	6.1	4.8	3.6	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)