

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: P509548

Luminaire Tested: **VERD-G-CA2-120-730-U-T2-HSS**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509548
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-CA2-120-730-U-T2-HSS
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1120mA LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15978 lumens
Efficiency: N/A
Efficacy: 128.1 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

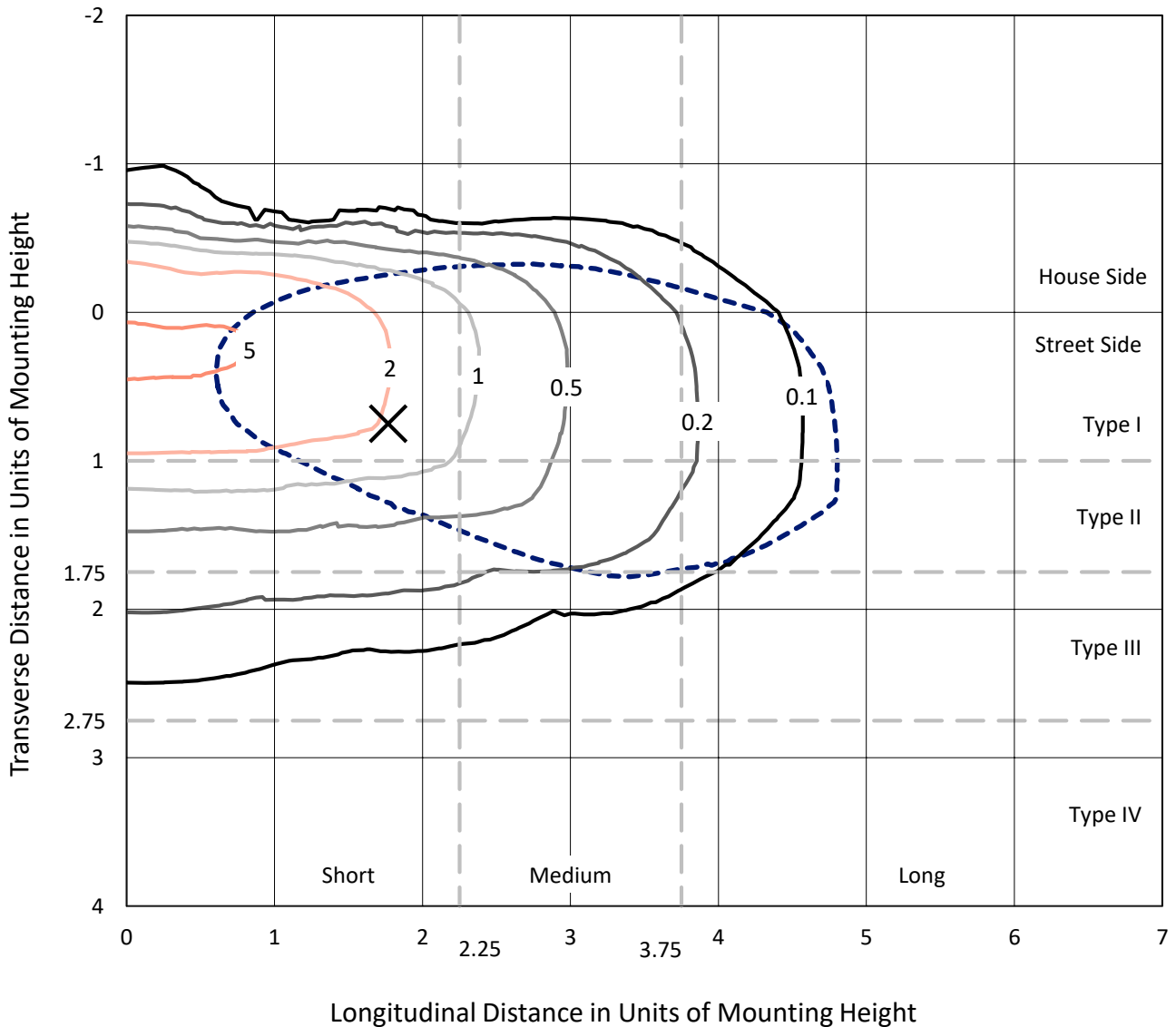
Input Watts (W): 124.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

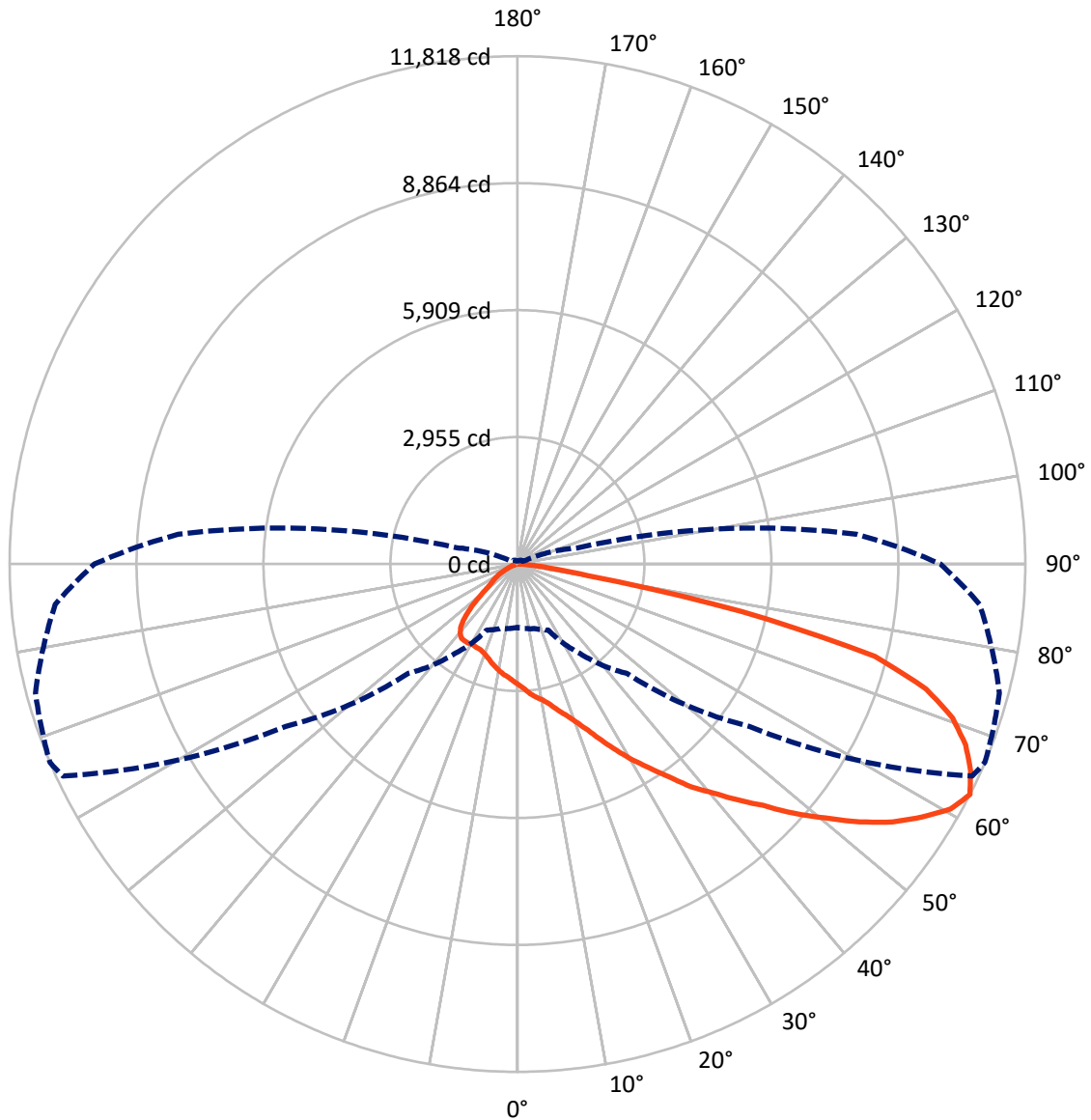
✕ Max cd
 - - - 1/2 Max cd



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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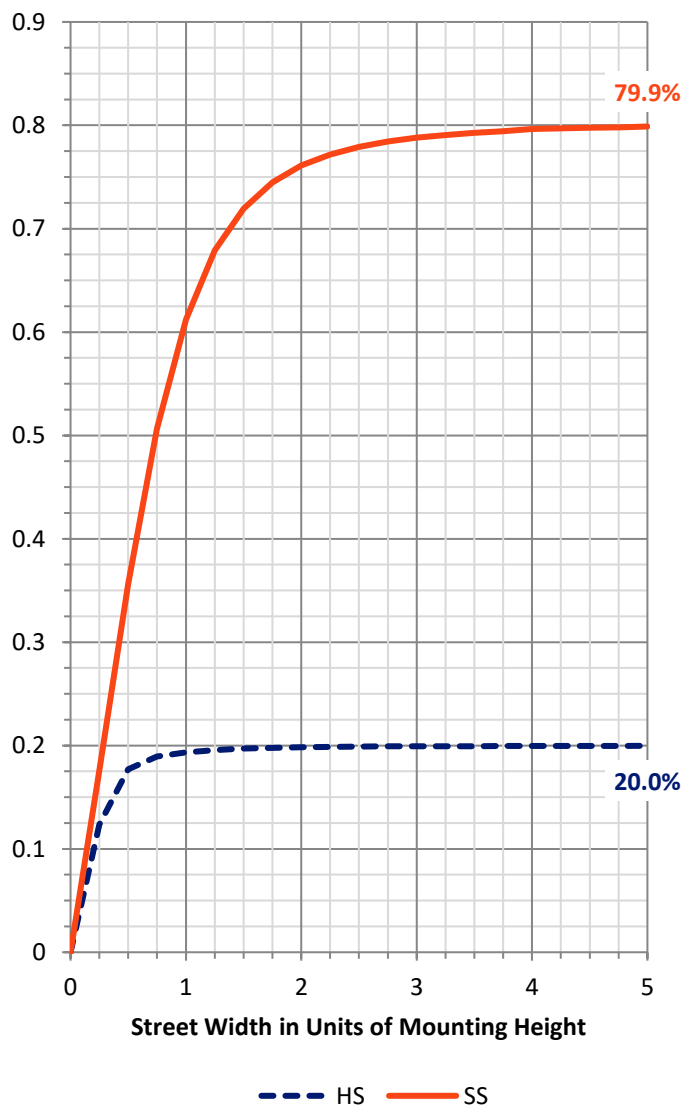
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3228.8	0.0	3228.8
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	12749.2	0.0	12749.2
	% Fixture	79.8	0.0	79.8
Total	Lumens	15978.0	0.0	15978.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.3	1.7
10°-20°	818.1	5.1
20°-30°	1395.5	8.7
30°-40°	2044.5	12.8
40°-50°	2698.1	16.9
50°-60°	3175.2	19.9
60°-70°	3265.7	20.4
70°-80°	2115.8	13.2
80°-90°	193.7	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°	15978.0	100.0
0°-180°	15978.0	100.0

Coefficient of Utilization



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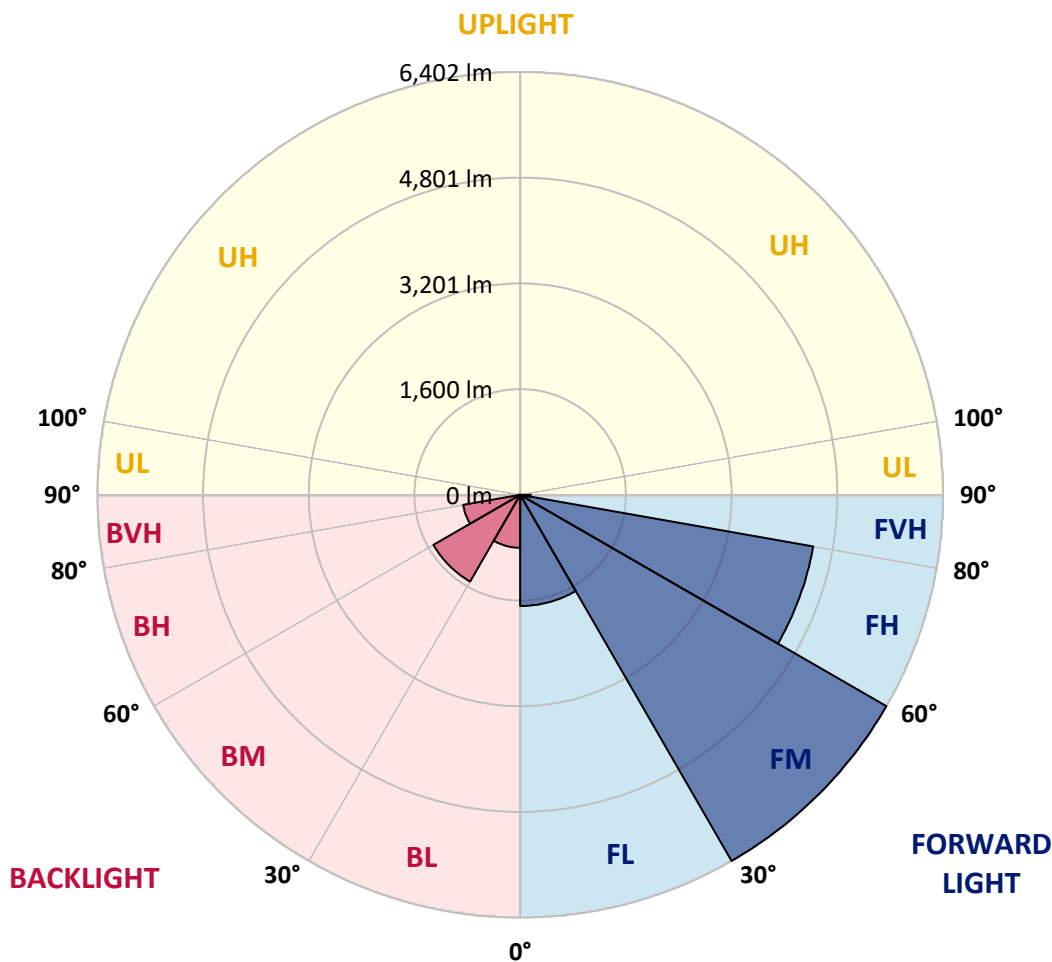
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1682.5	10.5			
FM (30°-60°)	6401.6	40.1			
FH (60°-80°)	4504.9	28.2			G2/5000
FVH (80°-90°)	160.2	1.0			G2/225
BL (0°-30°)	802.5	5.0	B2/1000		
BM (30°-60°)	1516.2	9.5	B2/2500		
BH (60°-80°)	876.6	5.5	B2/1000		G2/1000
BVH (80°-90°)	33.5	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°	2807.4	2807.4	2807.4	2807.4	2807.4	2807.4	2807.4	2807.4	2807.4	2807.4	2807.4
2.5°	3113.6	3110.2	3076.8	3045.7	3025.0	3023.8	2969.7	2921.4	2899.5	2874.2	2817.8
5°	3274.8	3302.4	3265.6	3219.5	3182.7	3155.1	3107.9	3052.6	3029.6	2969.7	2884.6
7.5°	3508.4	3508.4	3473.9	3434.8	3392.2	3318.5	3237.9	3141.3	3129.7	3063.0	2951.3
10°	3621.3	3648.9	3604.0	3557.9	3510.8	3472.8	3363.4	3244.9	3216.1	3115.9	2977.8
12.5°	3778.9	3778.9	3754.8	3715.6	3661.5	3585.6	3515.4	3395.6	3347.3	3197.7	3025.0
15°	3927.4	3914.8	3894.1	3829.6	3802.0	3754.8	3662.7	3537.2	3528.0	3362.3	3097.5
17.5°	4043.7	4023.0	4003.4	3968.9	3935.5	3917.1	3851.5	3742.1	3704.1	3552.2	3234.5
20°	4103.5	4120.8	4073.6	4072.5	4082.8	4069.0	4025.3	3943.6	3927.4	3746.7	3373.8
22.5°	4171.5	4194.5	4183.0	4194.5	4225.6	4248.6	4246.3	4229.0	4203.7	4006.9	3598.2
25°	4186.4	4171.5	4219.8	4326.9	4405.1	4460.4	4568.6	4546.7	4539.8	4366.0	3903.3
27.5°	4140.4	4154.2	4230.2	4384.4	4585.8	4736.6	4825.3	4934.6	4910.4	4775.8	4270.5
30°	4112.8	4136.9	4237.1	4417.8	4688.3	4961.1	5136.1	5271.9	5292.6	5185.6	4631.9
32.5°	4017.2	4049.4	4153.0	4444.3	4788.4	5201.7	5419.2	5672.5	5663.2	5619.5	5071.6
35°	3869.9	3912.5	4071.3	4409.7	4901.2	5418.1	5707.0	6075.3	6082.2	6100.6	5489.4
37.5°	3751.3	3765.1	3945.9	4307.3	4946.1	5593.0	5975.2	6473.6	6585.2	6558.8	5963.7
40°	3561.4	3602.8	3798.5	4181.8	4941.5	5711.6	6248.0	6939.8	6999.6	7082.5	6459.8
42.5°	3327.7	3372.6	3560.2	4011.5	4877.1	5815.2	6510.4	7415.2	7499.2	7629.3	6914.5
45°	3103.3	3122.8	3299.0	3762.8	4751.6	5896.9	6766.0	7883.6	8012.6	8199.0	7372.6
47.5°	2823.6	2876.5	3073.3	3502.7	4474.2	5926.8	6954.7	8436.2	8673.3	8787.2	7895.2
50°	2172.1	2205.4	2758.0	3273.6	4172.6	5833.6	7199.9	9137.2	9286.8	9405.4	8424.6
52.5°	1914.2	1944.1	2158.2	3008.9	3836.5	5591.9	7349.6	9788.7	9969.4	9944.1	8956.4
55°	1806.0	1821.0	1913.1	2455.2	3530.3	5143.0	7454.3	10500.0	10597.9	10434.4	9483.6
57.5°	1680.6	1697.8	1766.9	2058.1	3185.0	4574.3	7366.8	11069.8	11106.6	10904.0	9953.3
60°	1568.9	1580.4	1684.0	1841.7	2809.8	4023.0	7145.8	11479.6	11582.0	11249.4	10459.7
62.5°	1473.4	1501.0	1555.1	1694.4	2547.3	3595.9	6586.4	11673.0	11818.0	11610.8	10795.8
65°	1379.0	1391.6	1453.8	1577.0	2265.3	3343.8	6266.4	11418.6	11587.8	11659.1	11003.0
67.5°	1250.1	1268.5	1329.5	1418.1	1890.0	3098.7	5519.4	11005.3	11247.1	11404.8	10879.9
70°	1099.3	1115.4	1177.5	1251.2	1578.1	2737.2	4658.4	10584.0	10742.9	10753.3	10329.7
72.5°	924.3	939.3	1001.4	1075.1	1309.9	2279.1	3651.2	9586.1	9941.8	10167.4	9406.5
75°	588.2	652.7	806.9	889.8	1078.5	1844.0	2604.9	7653.4	8588.1	9232.7	8140.3
77.5°	95.5	107.0	316.5	451.2	627.3	1250.1	1446.9	4240.5	5334.0	7715.6	6572.6
80°	72.5	81.7	115.1	306.2	402.9	778.1	569.8	1376.7	1659.8	3607.4	3682.3
82.5°	31.1	36.8	69.1	171.5	189.9	207.2	153.1	615.8	728.6	1097.0	1277.7
85°	10.4	13.8	32.2	54.1	59.9	46.0	33.4	244.0	300.4	526.0	486.9
87.5°	0.0	1.2	6.9	8.1	6.9	4.6	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°	2807.4	2807.4	2807.4	2807.4	2807.4	2807.4	2807.4	2807.4	2807.4	2807.4	2807.4
2.5°	2806.3	2767.2	2762.6	2715.4	2672.8	2624.4	2594.5	2584.1	2598.0	2611.8	2625.6
5°	2840.8	2781.0	2721.1	2623.3	2579.5	2526.6	2456.4	2413.8	2394.2	2411.5	2417.2
7.5°	2866.2	2789.0	2696.9	2563.4	2469.0	2367.7	2301.0	2229.6	2190.5	2197.4	2203.1
10°	2870.8	2785.6	2629.0	2500.1	2348.2	2208.9	2121.4	2088.0	2061.6	2038.5	2042.0
12.5°	2913.3	2787.9	2571.5	2414.9	2254.9	2075.4	1977.5	1934.9	1930.3	1883.1	1878.5
15°	2970.9	2838.5	2541.6	2337.8	2132.9	1963.7	1847.5	1771.5	1773.8	1749.6	1746.2
17.5°	3064.1	2888.0	2519.7	2248.0	2005.2	1849.8	1702.4	1633.4	1611.5	1604.6	1598.8
20°	3168.9	2960.5	2493.2	2168.6	1893.5	1712.8	1548.2	1478.0	1417.0	1398.5	1400.8
22.5°	3323.1	3056.1	2515.1	2108.8	1769.2	1579.3	1415.8	1278.8	1174.1	1146.5	1143.0
25°	3595.9	3244.9	2580.7	2057.0	1692.1	1449.2	1229.3	1037.1	899.0	869.1	871.4
27.5°	3899.8	3493.5	2671.6	2035.1	1594.2	1305.3	1002.6	788.5	659.6	625.0	627.3
30°	4260.1	3789.3	2809.8	1974.1	1489.5	1095.8	747.0	577.8	477.7	437.4	439.7
32.5°	4606.6	4085.1	2987.0	1964.9	1358.3	823.0	539.8	420.1	338.4	308.5	311.9
35°	4988.7	4423.5	3173.5	1918.8	1143.0	590.5	378.7	291.2	247.5	238.3	237.1
37.5°	5421.5	4725.1	3311.6	1876.2	855.2	415.5	259.0	224.5	218.7	206.0	206.0
40°	5823.2	5039.4	3415.2	1763.4	598.6	282.0	202.6	203.7	198.0	180.7	177.3
42.5°	6193.9	5364.0	3510.8	1582.7	405.2	192.2	181.9	185.3	187.6	168.1	163.5
45°	6614.0	5764.5	3490.0	1311.1	257.8	173.8	163.5	173.8	185.3	165.8	161.1
47.5°	7074.4	6058.1	3533.8	946.2	181.9	164.6	151.9	165.8	175.0	162.3	155.4
50°	7594.7	6442.5	3401.4	550.2	166.9	155.4	146.2	151.9	165.8	158.8	150.8
52.5°	8071.3	6785.5	3220.7	269.3	157.7	146.2	137.0	141.6	155.4	147.3	149.6
55°	8473.0	7142.4	2853.5	192.2	151.9	135.8	132.4	133.5	141.6	131.2	138.1
57.5°	8965.7	7435.9	2480.5	179.6	147.3	128.9	130.1	120.9	123.2	117.4	110.5
60°	9404.2	7713.3	1974.1	165.8	140.4	132.4	117.4	104.7	97.8	94.4	93.2
62.5°	9842.8	7923.9	1454.9	150.8	133.5	119.7	103.6	89.8	78.3	73.7	72.5
65°	10008.5	8036.7	993.4	138.1	125.5	109.4	92.1	72.5	59.9	55.3	51.8
67.5°	9885.4	7683.4	575.5	124.3	120.9	100.1	80.6	58.7	46.0	42.6	40.3
70°	9314.4	7128.5	307.3	112.8	105.9	88.6	71.4	48.3	36.8	32.2	31.1
72.5°	8332.6	6130.6	161.1	94.4	88.6	72.5	56.4	40.3	29.9	24.2	23.0
75°	7075.6	4812.6	112.8	69.1	61.0	56.4	42.6	32.2	24.2	18.4	17.3
77.5°	5585.0	3127.4	85.2	44.9	35.7	36.8	31.1	26.5	19.6	13.8	13.8
80°	2884.6	1625.3	64.5	29.9	20.7	21.9	21.9	19.6	15.0	10.4	10.4
82.5°	1144.2	598.6	44.9	17.3	12.7	13.8	12.7	12.7	10.4	6.9	6.9
85°	377.5	131.2	16.1	10.4	8.1	8.1	6.9	5.8	3.5	2.3	2.3
87.5°	3.5	3.5	4.6	5.8	5.8	4.6	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)