

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: P509582

Luminaire Tested: **VERD-G-CA2-130-722-U-T3-HSS**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509582
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-130-722-U-T3-HSS
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1200mA LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14123 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

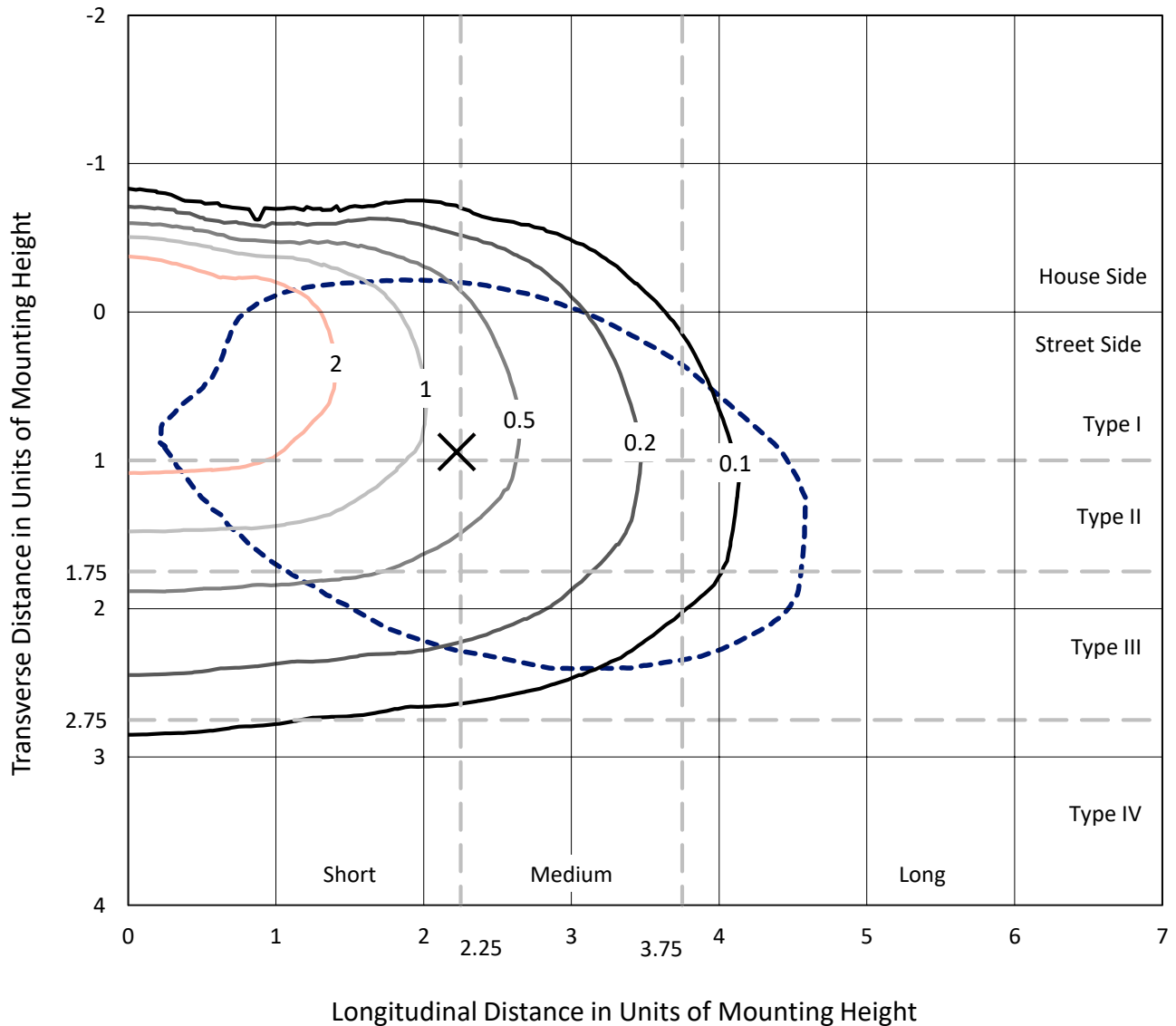
Input Watts (W): 133.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P509582
 CATALOG NUMBER: VERD-G-CA2-130-722-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

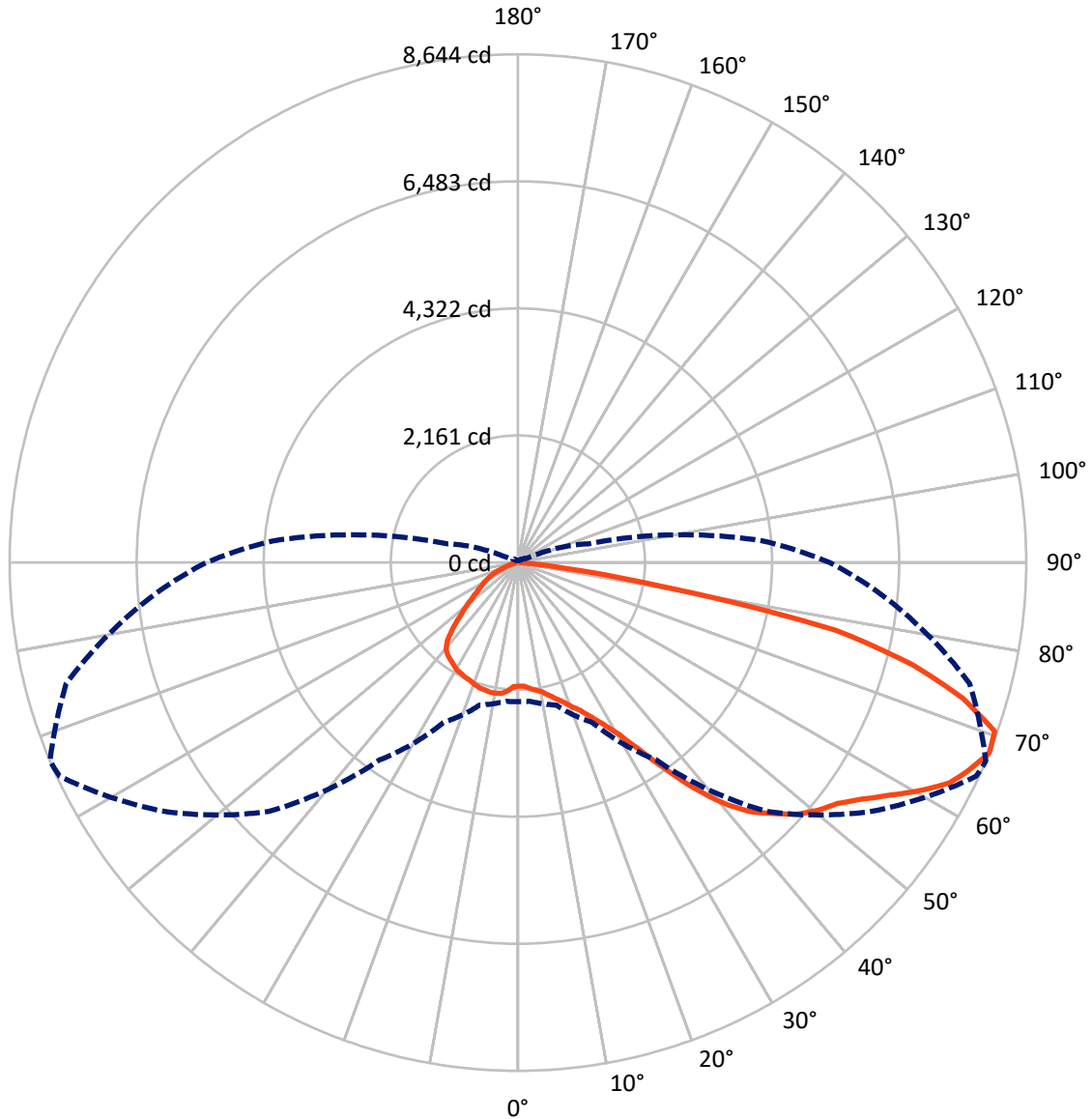
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Short - N/A

REPORT NUMBER: P509582
CATALOG NUMBER: VERD-G-CA2-130-722-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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 CATALOG NUMBER: VERD-G-CA2-130-722-U-T3-HSS

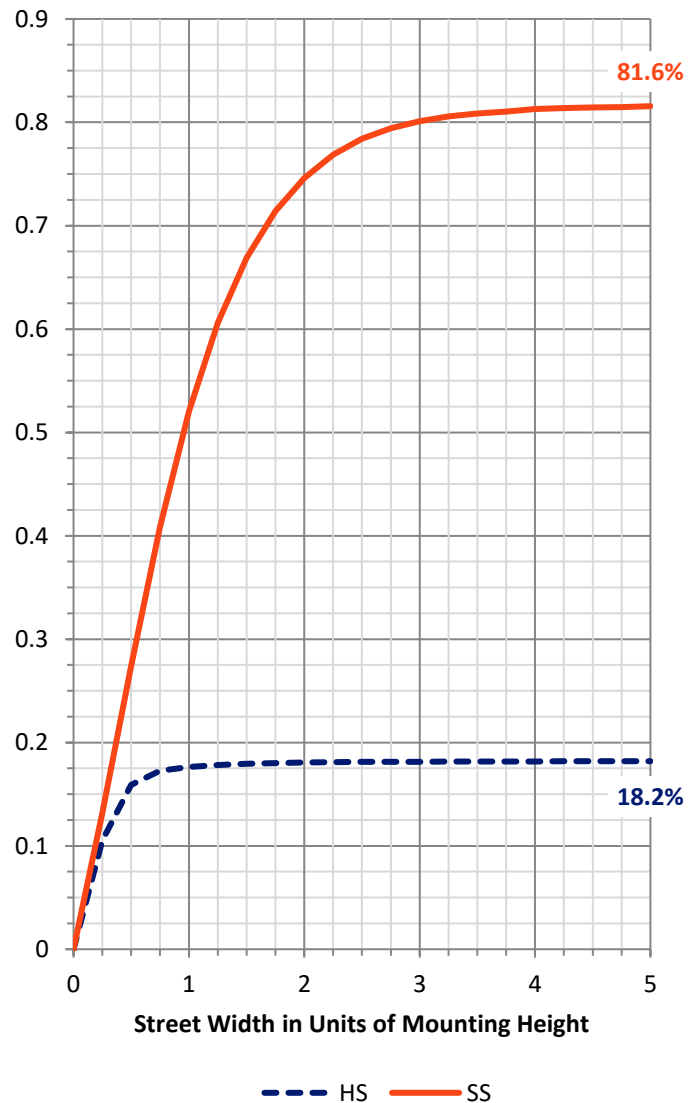
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2599.5	0.0	2599.5
	% Fixture	18.4	0.0	18.4
Street Side	Lumens	11523.5	0.0	11523.5
	% Fixture	81.6	0.0	81.6
Total	Lumens	14123.0	0.0	14123.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.5	1.5
10°-20°	661.1	4.7
20°-30°	1127.1	8.0
30°-40°	1719.0	12.2
40°-50°	2423.3	17.2
50°-60°	2929.1	20.7
60°-70°	3084.9	21.8
70°-80°	1835.1	13.0
80°-90°	131.9	0.9
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°	14123.0	100.0
0°-180°	14123.0	100.0



REPORT NUMBER: P509582

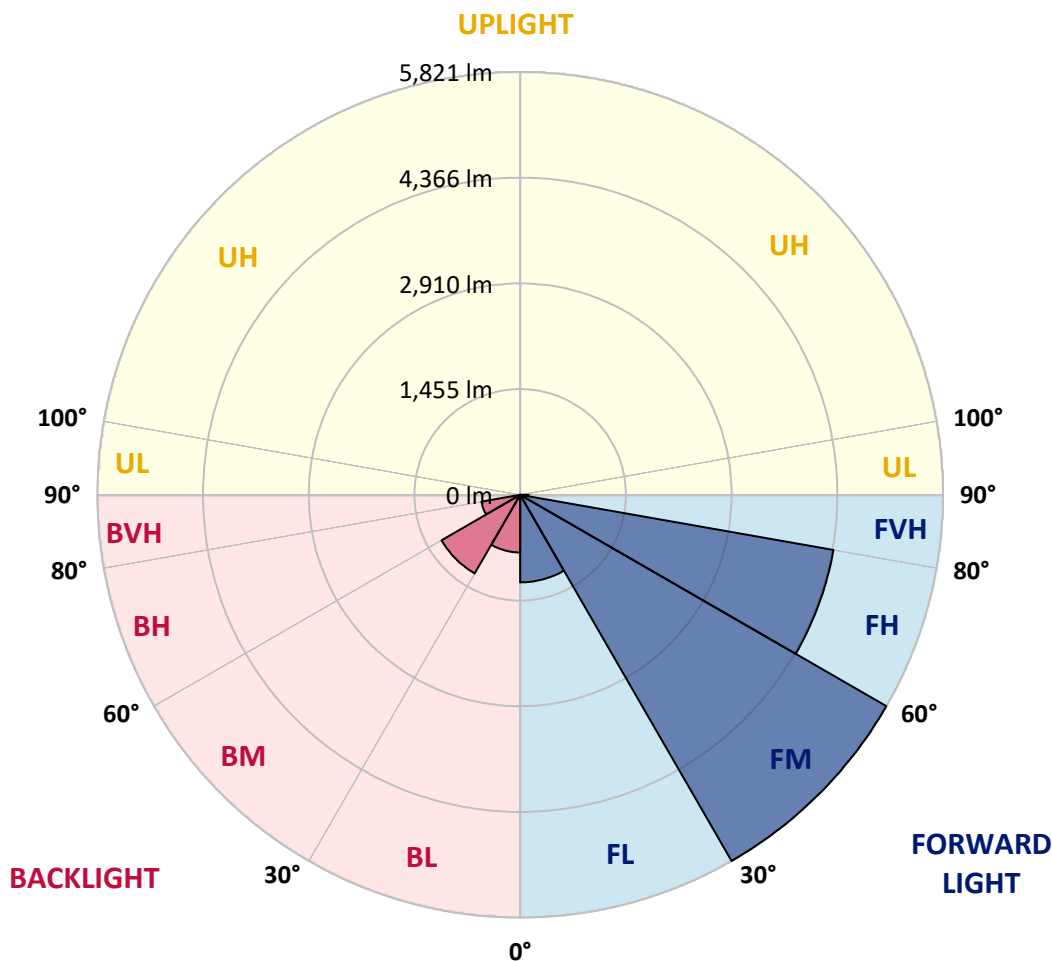
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1205.7	8.5			
FM (30°-60°)	5820.9	41.2			
FH (60°-80°)	4378.9	31.0			G2/5000
FVH (80°-90°)	118.1	0.8			G2/225
BL (0°-30°)	793.9	5.6	B2/1000		
BM (30°-60°)	1250.6	8.9	B2/2500		
BH (60°-80°)	541.2	3.8	B2/1000		G2/1000
BVH (80°-90°)	13.9	0.1			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 III Short





REPORT NUMBER: P509582

CATALOG NUMBER: VERD-G-CA2-130-722-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2102.5	2102.5	2102.5	2102.5	2102.5	2102.5	2102.5	2102.5	2102.5	2102.5	2102.5
2.5°	2146.9	2155.0	2138.8	2134.8	2113.6	2116.6	2112.6	2102.5	2106.5	2098.4	2103.5
5°	2229.8	2208.6	2202.5	2190.4	2171.2	2160.1	2143.9	2138.8	2150.0	2140.9	2142.9
7.5°	2317.7	2321.7	2294.4	2271.2	2236.8	2228.8	2200.5	2183.3	2194.4	2182.3	2189.4
10°	2427.8	2433.9	2404.6	2373.2	2343.9	2301.5	2266.1	2238.9	2235.8	2229.8	2239.9
12.5°	2572.3	2571.3	2538.9	2500.5	2442.9	2413.6	2346.0	2307.6	2312.6	2290.4	2288.4
15°	2740.0	2725.8	2688.5	2649.0	2577.3	2519.7	2437.9	2390.4	2398.5	2373.2	2367.2
17.5°	2903.6	2889.5	2860.2	2816.8	2751.1	2662.2	2562.2	2493.5	2491.4	2479.3	2442.9
20°	3071.4	3077.4	3038.0	2998.6	2932.9	2813.7	2700.6	2611.7	2613.7	2592.5	2521.7
22.5°	3267.4	3256.3	3208.8	3190.6	3115.8	2985.5	2859.2	2757.2	2736.9	2732.9	2610.7
25°	3454.3	3447.2	3403.8	3382.5	3319.9	3200.7	3037.0	2914.8	2911.7	2898.6	2725.8
27.5°	3602.8	3610.9	3606.8	3591.7	3523.0	3405.8	3262.3	3115.8	3117.8	3098.6	2875.4
30°	3813.9	3789.7	3780.6	3792.7	3786.7	3660.4	3507.8	3401.7	3394.7	3345.2	3064.3
32.5°	3937.2	3949.3	3961.5	4003.9	4004.9	3910.9	3811.9	3761.4	3789.7	3797.8	3534.1
35°	4050.4	4050.4	4120.1	4227.2	4264.5	4232.2	4189.8	4253.4	4309.0	4421.1	4112.0
37.5°	4151.4	4180.7	4246.4	4380.7	4503.0	4534.3	4627.2	4802.0	4869.7	4971.8	4599.0
40°	4236.3	4257.5	4341.3	4506.0	4716.2	4859.6	5033.4	5311.2	5382.0	5362.8	4869.7
42.5°	4142.3	4176.6	4311.0	4649.5	4914.2	5183.9	5411.3	5711.3	5797.2	5619.4	5154.6
45°	4091.8	4104.9	4245.3	4629.3	5059.7	5512.3	5769.9	6091.2	6091.2	5892.2	5355.7
47.5°	3990.8	4014.0	4180.7	4603.0	5214.2	5786.1	6046.7	6374.1	6395.3	6149.8	5555.7
50°	3888.7	3918.0	4106.9	4556.5	5301.1	6060.9	6282.1	6610.5	6618.6	6326.6	5732.5
52.5°	3787.7	3802.8	4014.0	4526.2	5397.1	6202.3	6485.2	6802.5	6806.5	6591.3	5927.5
55°	3606.8	3644.2	3862.4	4415.1	5392.1	6267.0	6591.3	7059.1	7098.5	6879.2	6119.5
57.5°	3437.1	3448.2	3686.6	4254.4	5310.2	6341.8	6819.6	7426.8	7465.2	7140.9	6261.9
60°	3210.8	3222.9	3479.5	4063.5	5189.0	6416.5	7109.6	7856.2	7873.4	7415.7	6369.0
62.5°	2974.4	3015.8	3227.0	3770.5	4937.4	6429.7	7355.1	8252.3	8245.2	7654.2	6439.8
65°	2696.5	2711.7	2914.8	3428.0	4552.5	6329.6	7456.1	8444.2	8461.4	7821.9	6393.3
67.5°	2363.1	2369.2	2508.6	3001.7	4096.8	5985.1	7372.3	8600.8	8644.3	7953.2	6199.3
70°	1867.1	1876.2	2004.5	2473.3	3450.2	5457.7	7230.8	8619.0	8600.8	7835.0	5904.3
72.5°	1301.3	1288.2	1413.4	1734.7	2612.7	4488.8	6547.9	7885.5	7917.9	7249.0	5287.0
75°	623.4	627.4	875.9	1066.9	1467.0	3206.7	5449.6	6790.3	6925.7	6317.5	4307.0
77.5°	106.1	108.1	231.4	420.3	591.0	1345.7	3613.9	5408.2	5523.4	4958.6	2915.8
80°	84.9	84.9	113.2	226.3	313.2	557.7	1369.0	2397.5	2522.8	2245.9	1075.0
82.5°	57.6	60.6	80.8	132.4	111.1	218.2	497.1	758.7	779.0	706.2	441.5
85°	32.3	33.3	41.4	53.5	46.5	80.8	102.0	104.1	110.1	85.9	65.7
87.5°	4.0	9.1	9.1	9.1	4.0	4.0	3.0	3.0	4.0	3.0	3.0
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: P509582
 CATALOG NUMBER: VERD-G-CA2-130-722-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2102.5	2102.5	2102.5	2102.5	2102.5	2102.5	2102.5	2102.5	2102.5	2102.5	2102.5
2.5°	2100.4	2088.3	2114.6	2109.5	2127.7	2124.7	2139.9	2147.9	2165.1	2187.3	2185.3
5°	2144.9	2143.9	2175.2	2190.4	2206.5	2221.7	2222.7	2237.9	2253.0	2286.3	2285.3
7.5°	2187.3	2196.4	2240.9	2241.9	2248.0	2259.1	2243.9	2249.0	2253.0	2265.1	2269.2
10°	2236.8	2254.0	2255.0	2251.0	2231.8	2230.8	2196.4	2200.5	2182.3	2196.4	2189.4
12.5°	2300.5	2286.3	2278.3	2251.0	2221.7	2182.3	2150.0	2105.5	2095.4	2095.4	2098.4
15°	2363.1	2341.9	2272.2	2228.8	2175.2	2112.6	2060.0	2009.5	1984.3	1973.1	1971.1
17.5°	2417.7	2373.2	2274.2	2217.6	2116.6	2024.7	1945.9	1865.0	1825.6	1800.4	1796.3
20°	2462.1	2414.7	2280.3	2181.3	2053.0	1917.6	1798.4	1696.3	1618.5	1560.9	1567.0
22.5°	2536.9	2461.1	2276.2	2137.8	1979.2	1803.4	1623.6	1483.1	1352.8	1320.5	1329.6
25°	2626.8	2527.8	2299.5	2111.6	1893.3	1660.0	1423.5	1260.9	1121.5	1077.0	1080.0
27.5°	2730.9	2608.6	2325.7	2068.1	1804.4	1483.1	1198.2	997.2	886.0	798.2	791.1
30°	2896.6	2718.8	2354.0	2039.8	1680.2	1286.1	952.7	743.6	604.2	556.7	556.7
32.5°	3285.5	2942.0	2399.5	1972.1	1516.5	1065.9	695.1	487.0	363.7	321.3	322.3
35°	3779.6	3392.6	2502.6	1889.3	1323.5	808.3	429.4	270.8	213.2	192.0	189.9
37.5°	4251.4	3806.9	2722.8	1792.3	1080.0	512.2	241.5	166.7	145.5	144.5	145.5
40°	4542.4	4134.2	2944.1	1663.0	789.1	281.9	156.6	136.4	133.4	130.3	130.3
42.5°	4811.1	4359.5	3111.8	1465.0	470.8	170.7	137.4	124.3	122.2	117.2	117.2
45°	5029.4	4521.2	3124.9	1201.3	249.5	151.5	126.3	113.2	109.1	106.1	105.1
47.5°	5236.5	4678.8	3077.4	920.4	177.8	140.4	118.2	104.1	99.0	101.0	100.0
50°	5375.9	4836.4	2948.1	723.4	169.7	130.3	109.1	95.0	92.9	97.0	96.0
52.5°	5526.4	4965.7	2696.5	562.7	157.6	120.2	100.0	88.9	84.9	87.9	88.9
55°	5645.6	4963.7	2511.6	439.5	149.5	112.1	94.0	83.9	76.8	76.8	75.8
57.5°	5704.2	4916.2	2363.1	345.5	140.4	104.1	87.9	73.8	65.7	63.6	62.6
60°	5701.2	4869.7	2190.4	283.9	131.3	95.0	78.8	62.6	54.6	50.5	50.5
62.5°	5668.9	4760.6	1916.6	244.5	122.2	87.9	65.7	51.5	45.5	41.4	42.4
65°	5586.0	4550.5	1580.1	208.1	113.2	84.9	55.6	45.5	39.4	35.4	35.4
67.5°	5299.1	4197.9	1232.6	174.8	104.1	70.7	48.5	38.4	33.3	29.3	29.3
70°	4893.0	3660.4	811.3	147.5	92.9	61.6	43.4	33.3	28.3	24.2	23.2
72.5°	4170.6	2924.9	412.2	126.3	79.8	54.6	38.4	29.3	24.2	20.2	19.2
75°	3198.7	1970.1	256.6	101.0	62.6	48.5	34.4	26.3	20.2	15.2	14.1
77.5°	1907.5	793.1	181.9	70.7	42.4	38.4	28.3	21.2	16.2	11.1	11.1
80°	602.1	350.6	123.3	48.5	27.3	26.3	21.2	15.2	11.1	8.1	8.1
82.5°	340.5	222.3	82.8	32.3	19.2	17.2	12.1	9.1	7.1	6.1	6.1
85°	56.6	44.5	25.3	12.1	9.1	8.1	5.1	3.0	2.0	1.0	2.0
87.5°	3.0	3.0	4.0	4.0	4.0	3.0	2.0	0.0	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)