

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: P553588

Luminaire Tested: **VERD-G-CA2-150-760-U-T4-HSS**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553588
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-150-760-U-T4-HSS
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1380mA LEDS AND TYPE IV OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19215 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

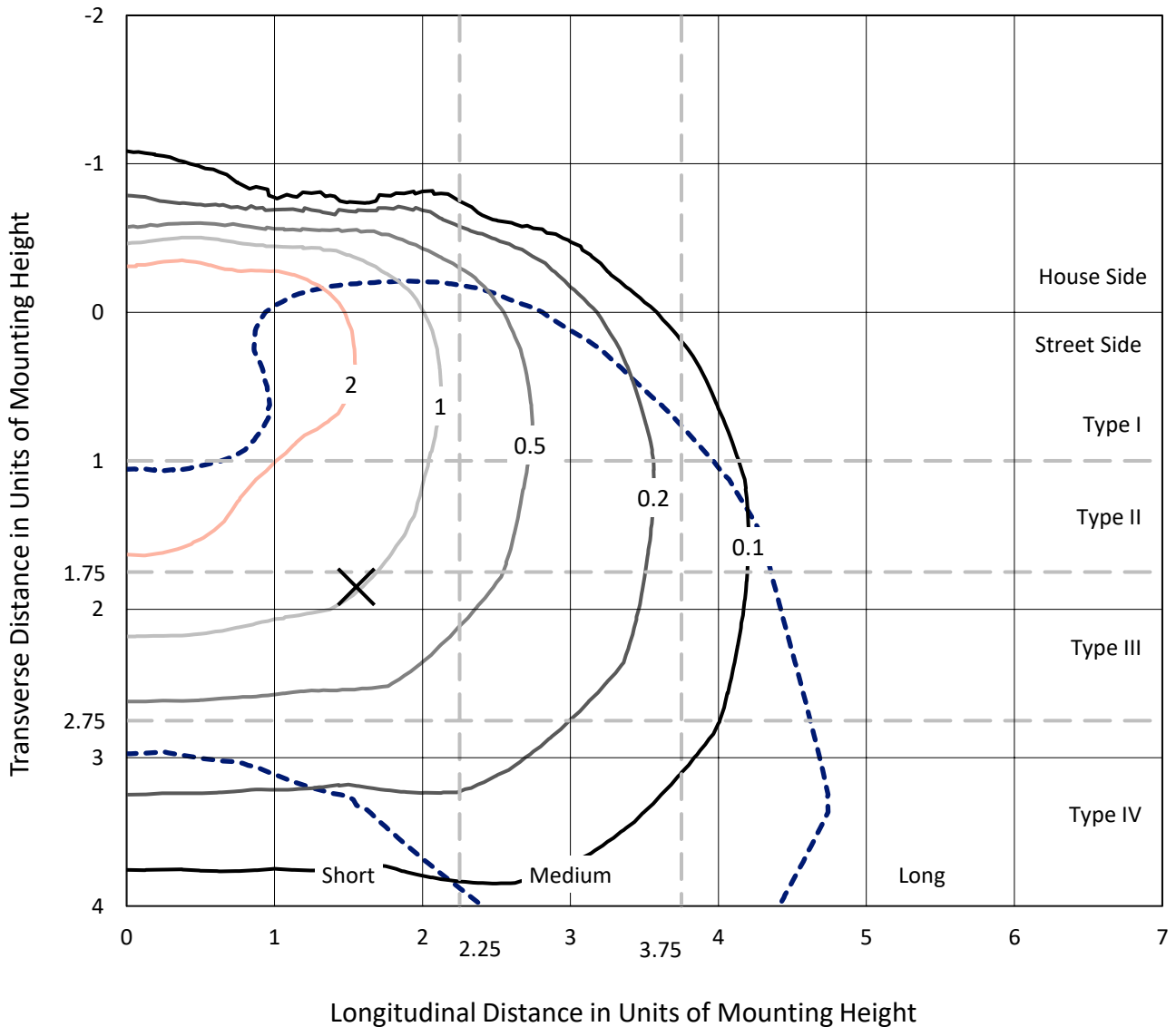
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

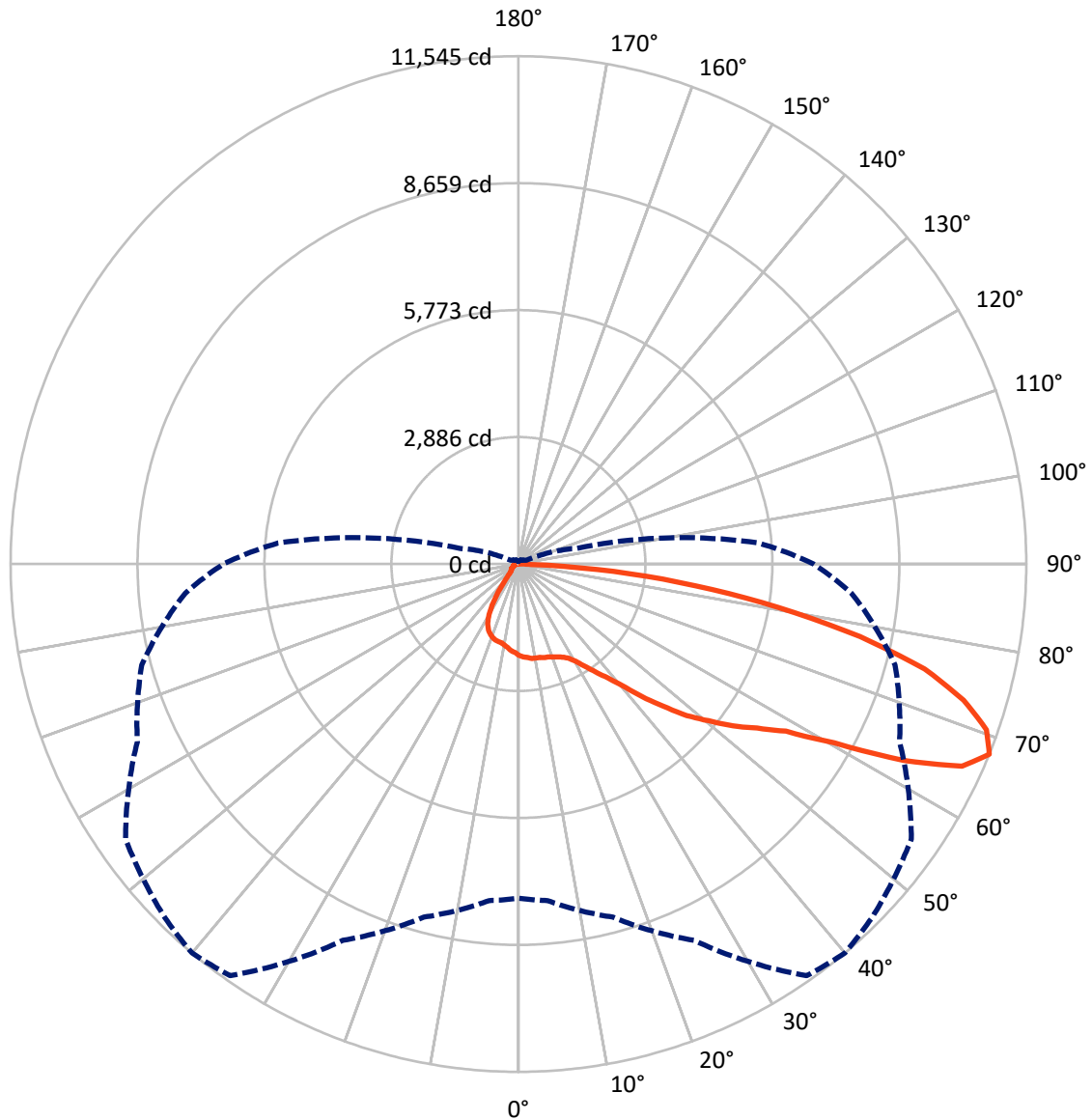
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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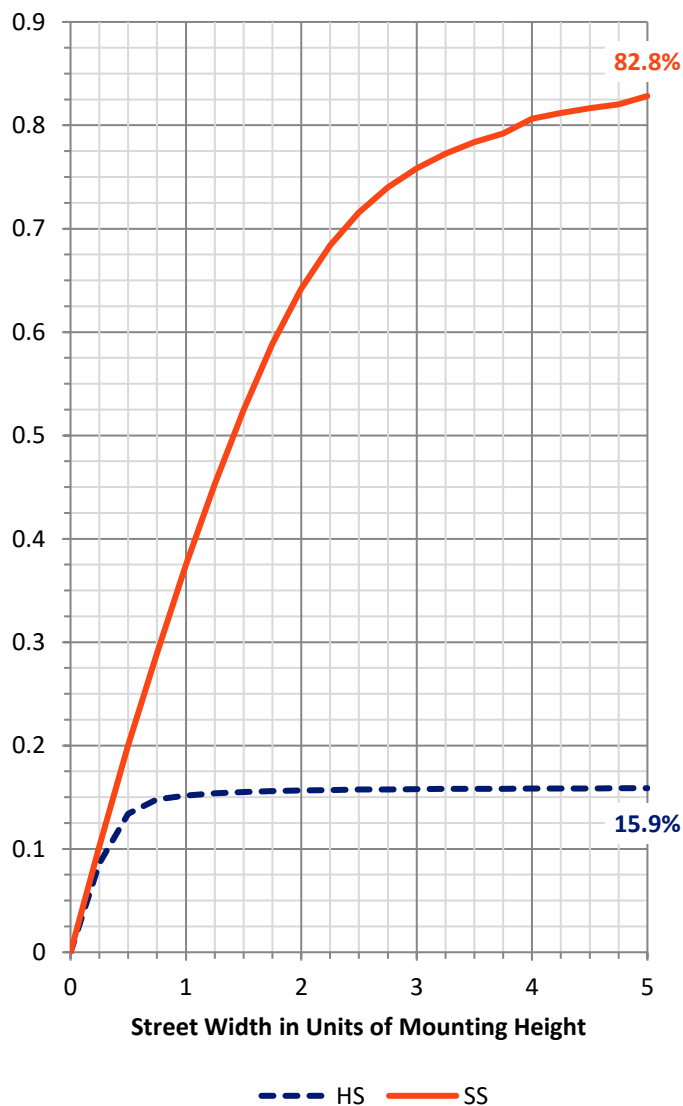
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3083.7	0.0	3083.7
	% Fixture	16.0	0.0	16.0
Street Side	Lumens	16131.3	0.0	16131.3
	% Fixture	84.0	0.0	84.0
Total	Lumens	19215.0	0.0	19215.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.8	1.0
10°-20°	583.8	3.0
20°-30°	971.3	5.1
30°-40°	1527.3	7.9
40°-50°	2644.4	13.8
50°-60°	3908.9	20.3
60°-70°	5081.8	26.4
70°-80°	3637.4	18.9
80°-90°	663.3	3.5
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°	19215.0	100.0
0°-180°	19215.0	100.0

Coefficient of Utilization



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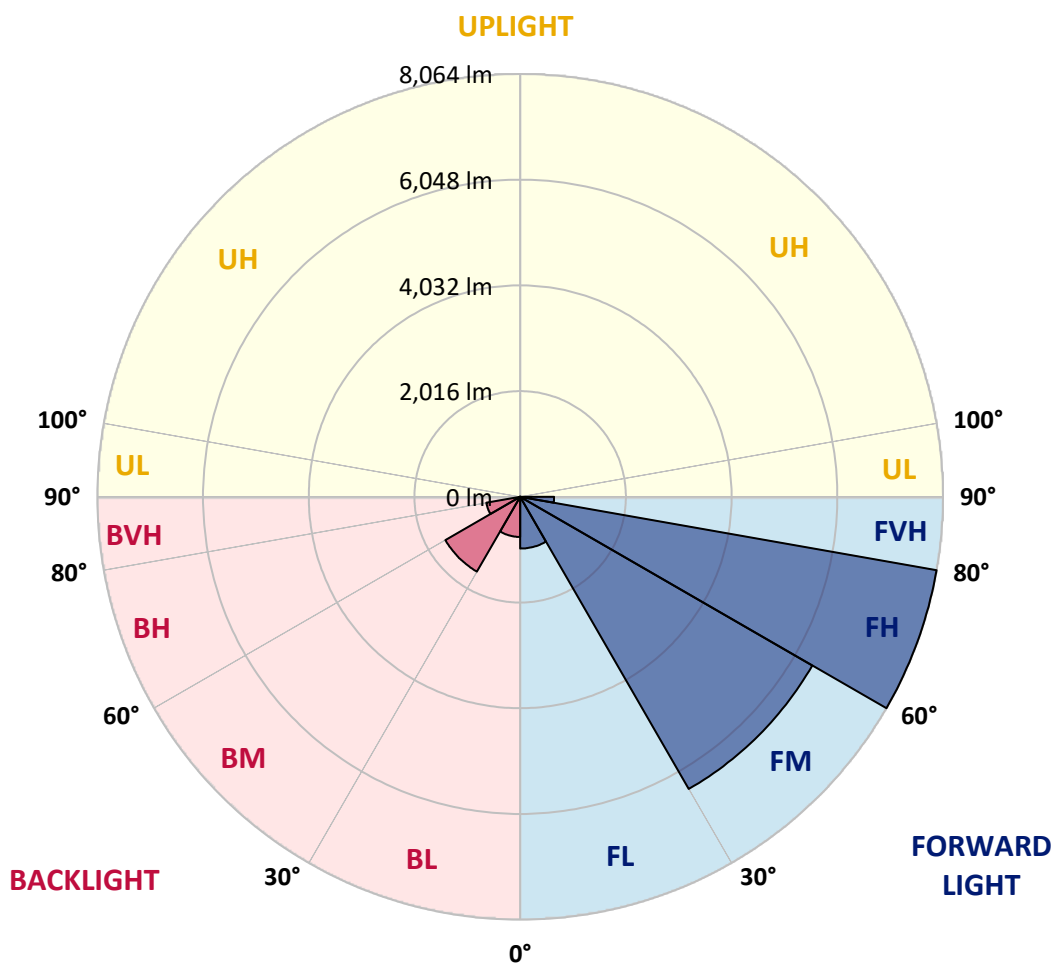
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	986.9	5.1			
FM	(30°-60°)	6433.3	33.5			
FH	(60°-80°)	8064.1	42.0			G4/12000
FVH	(80°-90°)	647.0	3.4			G4/750
BL	(0°-30°)	765.0	4.0	B2/1000		
BM	(30°-60°)	1647.2	8.6	B2/2500		
BH	(60°-80°)	655.2	3.4	B2/1000		G2/1000
BVH	(80°-90°)	16.3	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-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2080.0	2080.0	2080.0	2080.0	2080.0	2080.0	2080.0	2080.0	2080.0	2080.0	2080.0
2.5°	2164.1	2162.7	2148.4	2141.3	2121.3	2114.2	2115.6	2107.1	2087.1	2089.9	2070.0
5°	2167.0	2177.0	2155.6	2149.9	2142.7	2134.2	2144.2	2132.7	2115.6	2121.3	2099.9
7.5°	2179.8	2184.1	2174.1	2168.4	2151.3	2168.4	2167.0	2157.0	2145.6	2135.6	2127.0
10°	2184.1	2179.8	2159.8	2155.6	2155.6	2172.7	2179.8	2184.1	2184.1	2168.4	2162.7
12.5°	2162.7	2159.8	2139.9	2148.4	2167.0	2178.4	2201.2	2215.5	2238.3	2221.2	2212.6
15°	2129.9	2137.0	2145.6	2148.4	2182.7	2208.4	2229.8	2255.4	2293.9	2293.9	2291.1
17.5°	2139.9	2154.1	2164.1	2178.4	2211.2	2219.8	2249.7	2291.1	2355.3	2359.6	2366.7
20°	2189.8	2189.8	2192.7	2202.6	2231.2	2256.9	2282.5	2335.3	2409.5	2433.8	2440.9
22.5°	2244.0	2241.2	2254.0	2252.6	2275.4	2292.5	2325.3	2371.0	2463.7	2509.4	2527.9
25°	2288.2	2296.8	2308.2	2293.9	2338.2	2345.3	2371.0	2426.6	2525.1	2606.4	2646.3
27.5°	2363.8	2369.6	2366.7	2373.8	2418.1	2422.3	2446.6	2526.5	2617.8	2729.1	2816.1
30°	2493.7	2473.7	2476.5	2492.2	2556.4	2565.0	2590.7	2667.7	2740.5	2887.4	3024.4
32.5°	2672.0	2672.0	2640.6	2670.6	2744.7	2767.6	2806.1	2921.6	2993.0	3071.4	3296.8
35°	3012.9	3012.9	2990.1	2911.7	2948.7	3005.8	3077.1	3236.9	3456.6	3713.4	3953.1
37.5°	3577.9	3569.3	3479.4	3338.2	3258.3	3278.3	3348.2	3606.4	3963.1	4589.3	4773.3
40°	4252.6	4228.4	4060.1	3863.2	3659.2	3624.9	3657.8	3981.6	4489.5	5418.2	5488.1
42.5°	4851.8	4850.4	4603.6	4436.7	4175.6	4118.5	4080.0	4361.1	5017.3	6020.2	6044.4
45°	5423.9	5409.6	5169.9	4988.8	4750.5	4605.0	4595.0	4791.9	5572.2	6562.3	6459.6
47.5°	5933.2	5954.6	5686.4	5512.3	5248.4	5148.5	5068.7	5237.0	6083.0	7024.5	6811.9
50°	6519.5	6558.0	6157.1	5966.0	5699.2	5600.8	5645.0	5769.1	6592.2	7402.5	7125.8
52.5°	7259.9	7137.2	6739.2	6411.1	6162.8	6114.3	6124.3	6296.9	7181.4	7712.1	7344.1
55°	8131.5	7950.4	7550.9	7038.8	6633.6	6588.0	6583.7	6759.2	7726.4	8001.7	7512.4
57.5°	8459.6	8553.8	8396.9	8018.8	7302.7	7168.6	7064.4	7227.1	8215.7	8321.3	7689.3
60°	9217.2	9318.4	9202.9	8960.4	8717.9	8251.4	7794.9	7779.2	8672.2	8626.6	7763.5
62.5°	9301.3	9268.5	9782.1	9867.7	10011.8	9830.6	9492.5	8511.0	9084.5	8782.1	7822.0
65°	8830.6	8834.8	9523.9	9994.6	10990.4	11083.1	10873.4	9675.1	9394.1	8843.4	7780.6
67.5°	7598.0	7682.2	8309.9	9438.3	11424.1	11545.3	11368.4	10903.4	9561.0	8864.8	7600.8
70°	6529.5	6532.3	7125.8	8502.4	11195.8	11287.1	11205.8	10983.3	9496.8	8695.0	7112.9
72.5°	5138.6	5122.9	5643.6	7034.5	10389.8	10583.8	10539.6	10692.2	9261.4	8081.6	6051.6
75°	3710.5	3741.9	4269.8	5418.2	8937.5	9539.6	9753.6	10218.6	8422.6	6863.3	4436.7
77.5°	2597.8	2629.2	3135.6	4115.7	7212.8	7938.9	8282.7	8690.7	6826.2	5087.2	2274.0
80°	1699.1	1727.6	2162.7	3091.4	5376.8	5995.9	6254.1	6010.2	4008.7	2137.0	249.7
82.5°	987.2	1042.8	1373.8	2121.3	3767.6	4061.5	4075.8	3162.7	1497.9	191.2	117.0
85°	480.8	516.4	821.7	1258.2	2061.4	2167.0	2010.1	1176.9	349.5	91.3	67.0
87.5°	71.3	94.2	323.8	475.1	349.5	286.7	172.6	39.9	22.8	11.4	8.6
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°	2080.0	2080.0	2080.0	2080.0	2080.0	2080.0	2080.0	2080.0	2080.0	2080.0	2080.0
2.5°	2058.6	2057.1	2061.4	2042.9	2044.3	2021.5	2012.9	2008.6	2028.6	2025.7	2040.0
5°	2084.2	2070.0	2068.5	2022.9	2018.6	1990.1	1973.0	1947.3	1967.3	1963.0	1963.0
7.5°	2099.9	2085.7	2077.1	2022.9	1985.8	1935.9	1907.3	1887.4	1885.9	1881.7	1883.1
10°	2125.6	2118.5	2072.8	2012.9	1963.0	1898.8	1844.6	1813.2	1798.9	1800.3	1790.4
12.5°	2182.7	2168.4	2107.1	2035.7	1955.8	1867.4	1797.5	1741.9	1713.3	1707.6	1691.9
15°	2264.0	2248.3	2171.3	2089.9	1974.4	1870.3	1766.1	1667.7	1619.2	1599.2	1584.9
17.5°	2359.6	2335.3	2246.9	2154.1	2012.9	1867.4	1736.2	1603.5	1510.8	1458.0	1453.7
20°	2435.2	2423.8	2322.5	2222.6	2037.2	1848.9	1686.2	1510.8	1372.4	1275.4	1255.4
22.5°	2535.0	2536.5	2423.8	2274.0	2057.1	1817.5	1607.8	1380.9	1192.6	1062.8	1040.0
25°	2679.1	2657.7	2530.8	2315.3	2061.4	1781.8	1500.8	1218.3	972.9	827.4	801.7
27.5°	2851.7	2820.4	2617.8	2336.7	2042.9	1710.5	1358.1	1005.7	719.0	593.5	573.5
30°	3034.3	2960.2	2689.1	2345.3	1985.8	1594.9	1155.5	734.7	509.3	420.8	412.3
32.5°	3268.3	3159.9	2750.5	2316.8	1898.8	1419.5	895.9	503.6	352.4	305.3	308.1
35°	3747.6	3482.3	2846.0	2285.4	1776.1	1199.8	626.3	333.8	272.5	266.8	268.2
37.5°	4472.3	4051.5	3014.4	2239.7	1593.5	917.3	402.3	258.2	259.6	259.6	259.6
40°	5172.8	4673.5	3272.6	2149.9	1369.5	642.0	265.3	243.9	251.1	249.7	251.1
42.5°	5672.1	5135.7	3543.6	2040.0	1111.3	406.6	238.2	229.7	234.0	232.5	236.8
45°	6077.2	5532.3	3790.4	1884.5	831.7	265.3	234.0	218.3	214.0	212.6	216.8
47.5°	6376.8	5793.4	3967.3	1690.5	554.9	228.3	224.0	201.1	195.4	195.4	196.9
50°	6667.9	6044.4	4020.1	1469.4	342.4	222.5	211.1	186.9	178.3	175.5	178.3
52.5°	6870.4	6130.0	4031.5	1219.7	229.7	216.8	195.4	169.8	159.8	158.4	159.8
55°	7043.0	6305.5	3938.8	908.7	205.4	204.0	181.2	152.6	141.2	146.9	149.8
57.5°	7085.8	6322.6	3753.3	600.6	204.0	186.9	165.5	137.0	128.4	134.1	135.5
60°	7194.3	6252.7	3522.2	369.5	199.7	166.9	146.9	121.3	115.6	117.0	119.8
62.5°	7101.5	6214.2	3127.1	258.2	184.0	152.6	137.0	111.3	101.3	99.9	99.9
65°	7007.4	5987.4	2391.0	214.0	164.1	142.7	124.1	98.4	87.0	81.3	81.3
67.5°	6707.8	5479.5	1365.2	198.3	148.4	131.2	112.7	89.9	75.6	68.5	65.6
70°	5953.1	4389.6	420.8	181.2	149.8	122.7	104.1	78.5	65.6	55.6	54.2
72.5°	4662.1	2744.7	196.9	159.8	154.1	114.1	97.0	72.8	58.5	47.1	45.7
75°	2743.3	657.7	161.2	118.4	131.2	121.3	95.6	69.9	51.4	38.5	37.1
77.5°	596.3	159.8	144.1	79.9	98.4	117.0	91.3	61.3	45.7	30.0	28.5
80°	144.1	125.5	131.2	61.3	65.6	81.3	74.2	52.8	41.4	24.3	22.8
82.5°	97.0	94.2	115.6	38.5	32.8	30.0	31.4	32.8	34.2	18.5	17.1
85°	64.2	81.3	61.3	21.4	18.5	15.7	15.7	14.3	20.0	11.4	11.4
87.5°	10.0	8.6	10.0	8.6	8.6	7.1	5.7	5.7	4.3	5.7	5.7
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)