

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: P511032

Luminaire Tested: **USSL-P-C01-D-U-T2-7050**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511032
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-2)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-P-C01-D-U-T2-7050
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 5000K, 1650mA LED AND TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11732 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 94.1
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



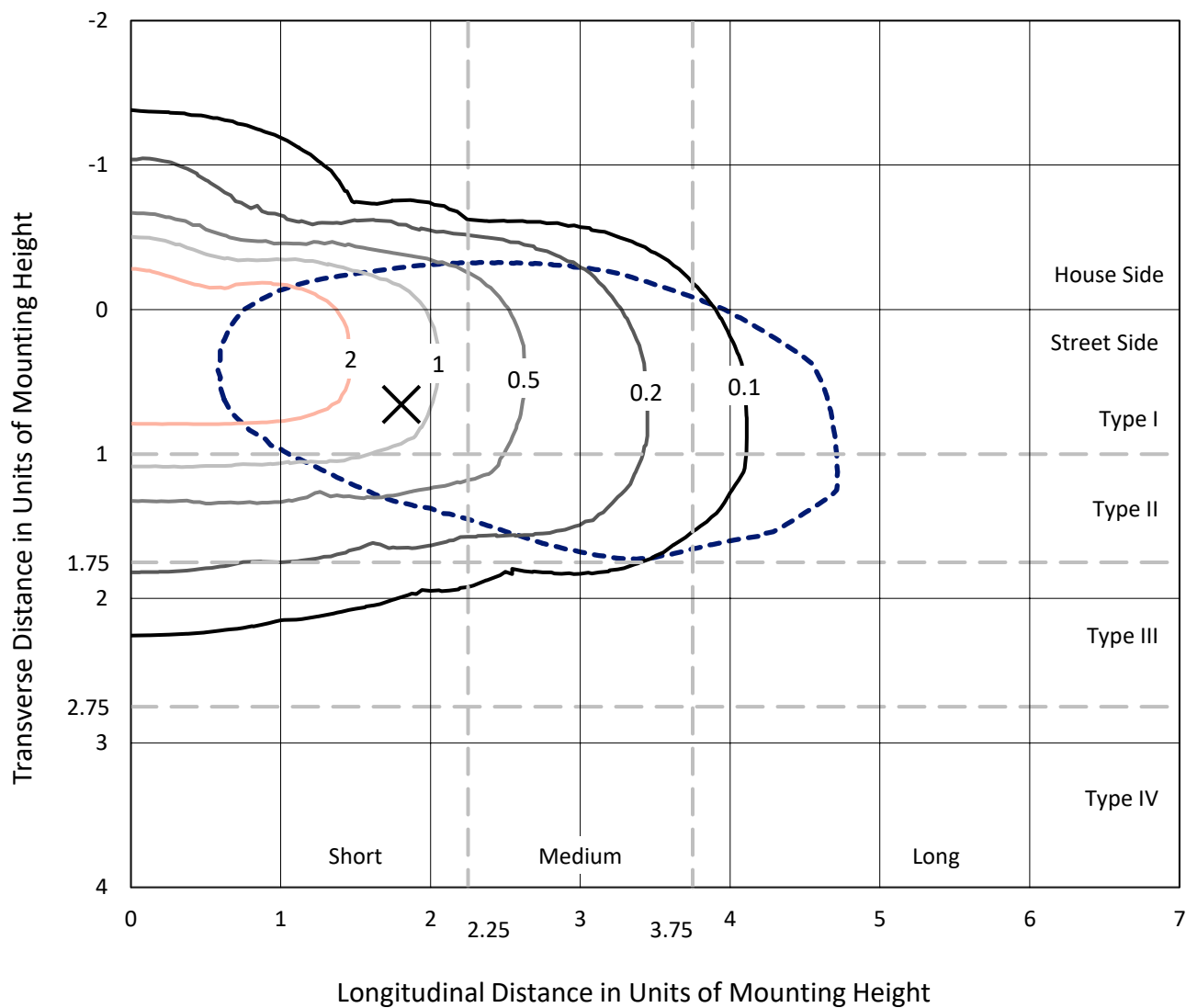
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

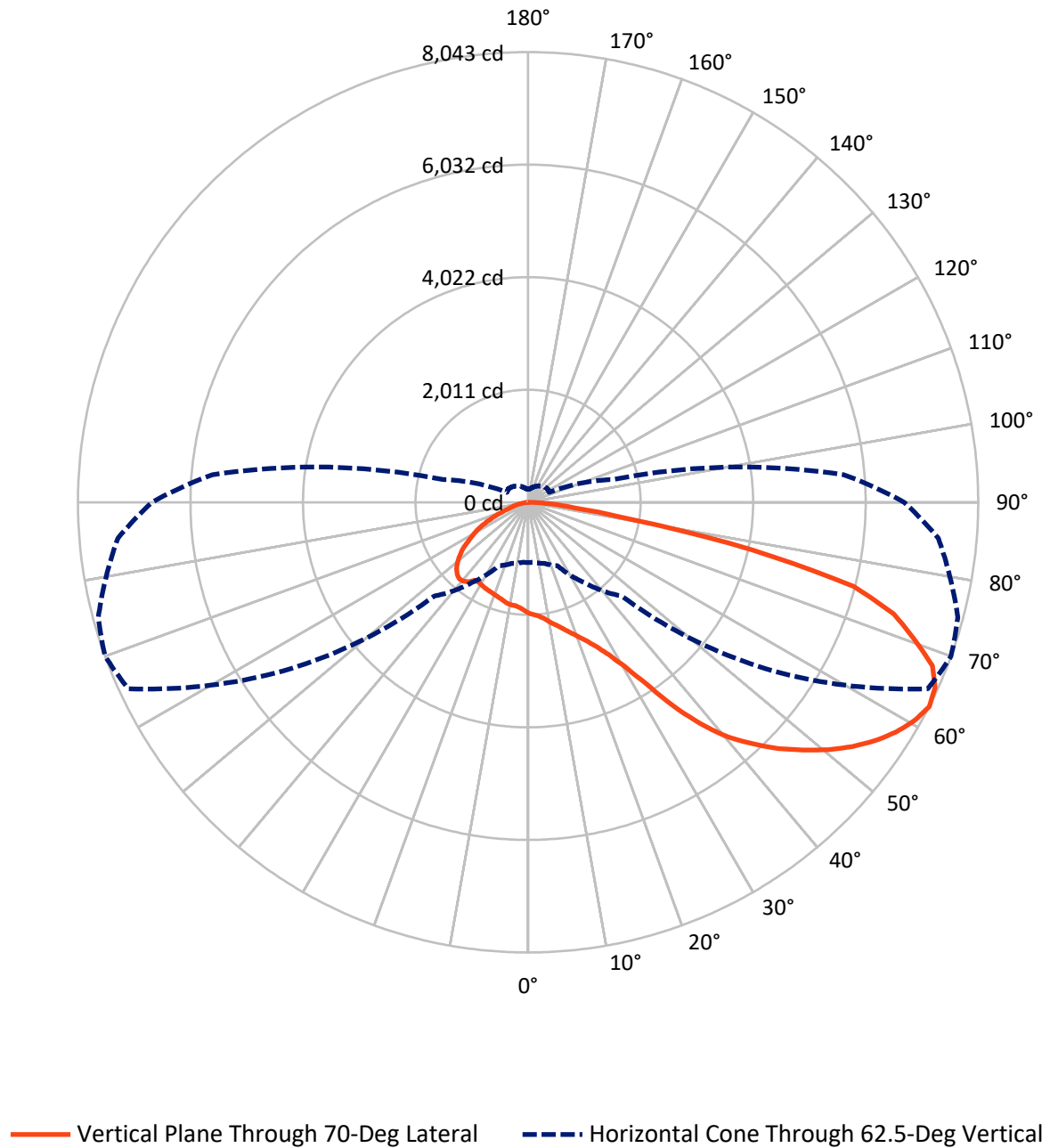


Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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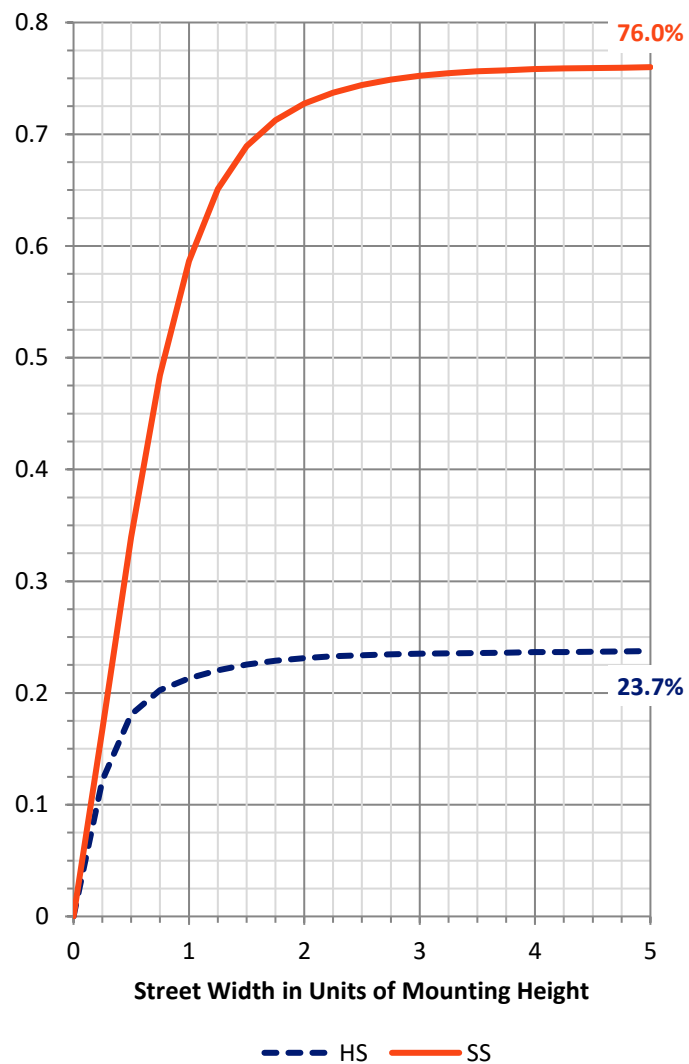
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2818.7	0.0	2818.7
	% Fixture	24.0	0.0	24.0
Street Side	Lumens	8913.3	0.0	8913.3
	% Fixture	76.0	0.0	76.0
Total	Lumens	11732.0	0.0	11732.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.0	1.6
10°-20°	582.6	5.0
20°-30°	990.8	8.4
30°-40°	1498.0	12.8
40°-50°	2067.3	17.6
50°-60°	2414.1	20.6
60°-70°	2370.8	20.2
70°-80°	1423.3	12.1
80°-90°	195.0	1.7
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°	11732.0	100.0
0°-180°	11732.0	100.0

Coefficient of Utilization



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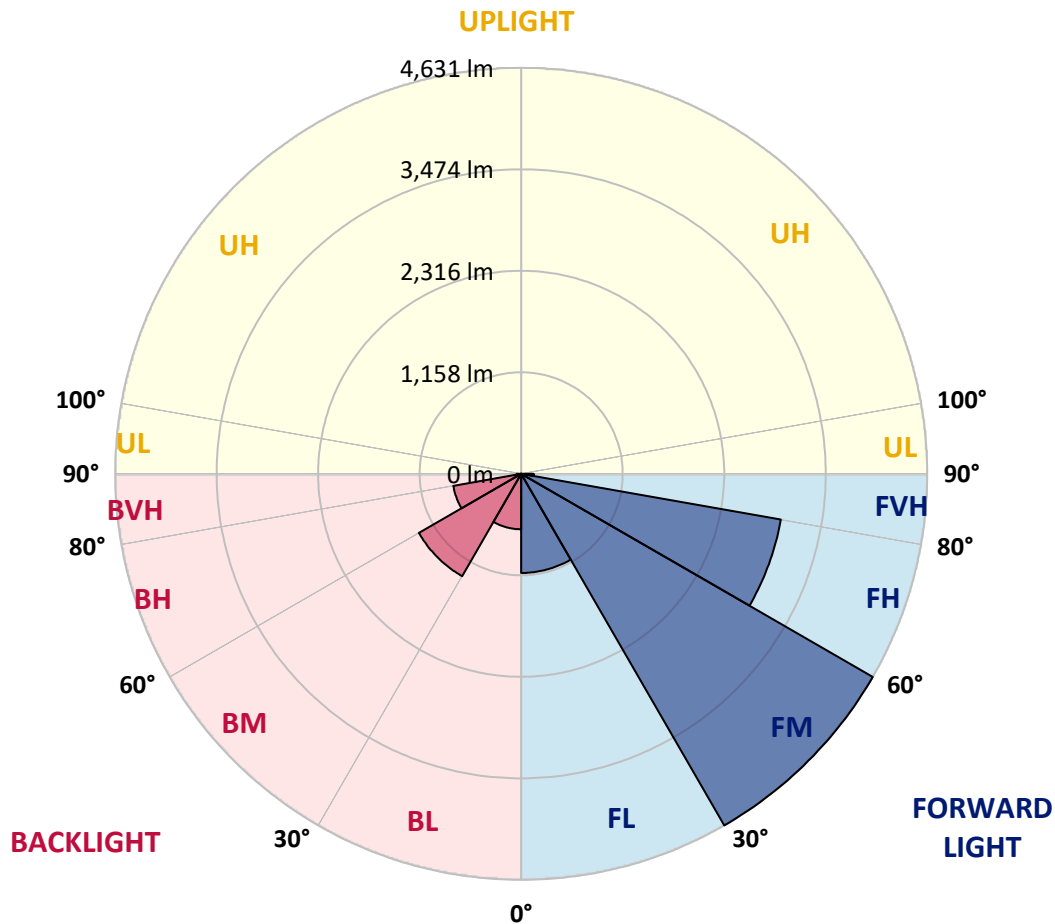
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1130.6	9.6			
FM	(30°-60°)	4631.4	39.5			
FH	(60°-80°)	3007.6	25.6			G2/5000
FVH	(80°-90°)	143.7	1.2			G2/225
BL	(0°-30°)	632.8	5.4	B2/1000		
BM	(30°-60°)	1348.1	11.5	B2/2500		
BH	(60°-80°)	786.6	6.7	B2/1000		G2/1000
BVH	(80°-90°)	51.3	0.4			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°	70°	75°	85°
0°	1980.1	1980.1	1980.1	1980.1	1980.1	1980.1	1980.1	1980.1	1980.1	1980.1	1980.1
2.5°	2098.0	2100.5	2085.8	2078.4	2068.6	2061.2	2041.5	2024.3	2012.1	2002.2	1982.6
5°	2216.0	2213.5	2198.8	2171.8	2154.6	2130.0	2088.2	2058.7	2041.5	2021.9	1982.6
7.5°	2333.9	2324.1	2309.3	2284.8	2262.6	2228.3	2184.0	2125.1	2100.5	2068.6	2007.1
10°	2432.2	2432.2	2427.3	2405.1	2380.6	2333.9	2289.7	2220.9	2179.1	2132.4	2044.0
12.5°	2530.4	2528.0	2513.2	2501.0	2476.4	2434.6	2383.0	2306.9	2252.8	2203.7	2083.3
15°	2631.2	2626.2	2609.0	2591.9	2557.5	2525.5	2473.9	2402.7	2343.7	2282.3	2130.0
17.5°	2736.8	2729.4	2707.3	2697.5	2658.2	2626.2	2584.5	2508.3	2446.9	2373.2	2196.3
20°	2815.4	2813.0	2793.3	2788.4	2768.7	2731.9	2699.9	2633.6	2559.9	2481.3	2272.5
22.5°	2876.8	2876.8	2871.9	2881.7	2889.1	2864.5	2822.8	2766.3	2687.7	2611.5	2370.7
25°	2921.1	2921.1	2938.3	2967.7	3009.5	3007.0	2987.4	2930.9	2864.5	2778.6	2496.0
27.5°	2935.8	2938.3	2962.8	3039.0	3132.3	3159.4	3149.5	3134.8	3088.1	2982.5	2668.0
30°	2935.8	2938.3	2989.8	3097.9	3247.8	3319.0	3348.5	3414.9	3400.1	3321.5	2960.4
32.5°	2894.0	2898.9	2965.3	3117.6	3326.4	3461.5	3569.6	3785.8	3849.7	3864.4	3500.8
35°	2741.7	2754.0	2862.1	3090.6	3390.3	3636.0	3854.6	4277.2	4468.8	4486.0	4078.2
37.5°	2609.0	2616.4	2763.8	3036.5	3429.6	3795.6	4161.7	4825.0	5031.4	5028.9	4525.3
40°	2483.8	2498.5	2638.5	2950.5	3424.7	3935.7	4473.7	5316.4	5522.7	5441.7	4901.2
42.5°	2341.3	2358.5	2493.6	2842.4	3392.7	4063.4	4775.9	5768.4	5901.1	5854.4	5274.6
45°	2188.9	2196.3	2336.4	2665.6	3319.0	4142.0	5065.8	6166.4	6276.9	6191.0	5606.3
47.5°	2051.4	2061.2	2179.1	2488.7	3179.0	4166.6	5321.3	6520.2	6613.5	6542.3	5903.5
50°	1631.3	1660.8	2007.1	2329.0	2972.6	4115.0	5562.0	6837.1	6947.6	6854.3	6215.5
52.5°	1407.7	1424.9	1562.5	2164.4	2697.5	3977.4	5731.6	7156.5	7252.3	7129.4	6485.8
55°	1316.8	1319.3	1400.3	1849.9	2471.5	3744.1	5832.3	7446.4	7520.1	7399.7	6756.0
57.5°	1235.7	1248.0	1319.3	1508.4	2252.8	3321.5	5837.2	7665.0	7748.5	7598.7	6977.1
60°	1144.8	1154.7	1235.7	1363.5	2002.2	2773.6	5633.3	7854.2	7927.9	7800.1	7195.8
62.5°	1073.6	1076.0	1130.1	1252.9	1751.6	2370.7	5188.6	7881.2	8043.3	7950.0	7357.9
65°	987.6	992.5	1046.6	1154.7	1547.7	2061.2	4687.4	7728.9	7991.7	7994.2	7446.4
67.5°	877.1	879.5	938.5	1046.6	1338.9	1822.9	3862.0	7571.6	7790.3	7832.1	7269.5
70°	729.6	744.4	796.0	899.2	1135.0	1542.8	2935.8	7131.9	7321.1	7429.2	6810.1
72.5°	552.8	577.3	641.2	749.3	911.4	1292.2	2063.7	6453.8	6834.6	6910.8	6136.9
75°	115.5	117.9	191.6	395.5	737.0	1002.3	1415.1	4908.5	6011.6	6139.4	5215.6
77.5°	51.6	56.5	88.4	132.7	238.3	646.1	926.2	2574.7	4083.1	4793.1	4117.5
80°	39.3	41.8	71.2	105.6	147.4	194.1	457.0	1415.1	1896.6	2650.8	2771.2
82.5°	22.1	24.6	46.7	76.2	93.4	88.4	189.2	614.2	850.0	1076.0	1351.2
85°	12.3	14.7	27.0	41.8	39.3	44.2	83.5	326.7	484.0	638.8	683.0
87.5°	4.9	7.4	9.8	14.7	14.7	12.3	14.7	61.4	88.4	83.5	59.0
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°	1980.1	1980.1	1980.1	1980.1	1980.1	1980.1	1980.1	1980.1	1980.1	1980.1	1980.1
2.5°	1972.8	1960.5	1940.8	1921.2	1904.0	1889.2	1874.5	1869.6	1867.1	1867.1	1876.9
5°	1962.9	1943.3	1904.0	1869.6	1835.2	1810.6	1791.0	1771.3	1771.3	1766.4	1766.4
7.5°	1975.2	1945.7	1886.8	1835.2	1791.0	1756.6	1734.5	1712.3	1700.1	1697.6	1697.6
10°	1999.8	1962.9	1889.2	1822.9	1766.4	1712.3	1677.9	1643.6	1623.9	1614.1	1616.5
12.5°	2024.3	1970.3	1879.4	1798.3	1722.2	1653.4	1594.4	1545.3	1523.2	1525.6	1525.6
15°	2048.9	1982.6	1854.8	1754.1	1660.8	1572.3	1513.3	1461.8	1429.8	1424.9	1432.3
17.5°	2098.0	2007.1	1845.0	1712.3	1596.9	1493.7	1437.2	1395.4	1336.5	1336.5	1331.5
20°	2157.0	2048.9	1847.5	1668.1	1530.5	1412.6	1346.3	1307.0	1255.4	1225.9	1218.5
22.5°	2233.2	2105.4	1852.4	1626.4	1459.3	1329.1	1240.6	1191.5	1154.7	1112.9	1105.5
25°	2341.3	2174.2	1864.7	1584.6	1383.1	1233.3	1120.3	1056.4	1014.6	968.0	965.5
27.5°	2461.6	2252.8	1876.9	1542.8	1294.7	1112.9	970.4	899.2	864.8	842.7	835.3
30°	2663.1	2383.0	1894.1	1493.7	1189.1	955.7	815.6	771.4	744.4	695.3	705.1
32.5°	3169.2	2724.5	1913.8	1437.2	1081.0	815.6	712.5	658.4	609.3	572.4	570.0
35°	3658.1	3164.3	2009.6	1373.3	948.3	683.0	616.6	540.5	481.5	464.3	464.3
37.5°	4088.0	3530.3	2243.0	1314.4	818.1	611.7	513.5	454.5	417.6	393.1	422.6
40°	4468.8	3898.8	2417.4	1230.8	678.1	525.7	412.7	393.1	371.0	366.1	368.5
42.5°	4805.4	4188.7	2552.5	1125.2	577.3	429.9	358.7	375.9	373.4	371.0	361.1
45°	5137.0	4478.6	2638.5	972.9	493.8	366.1	353.8	380.8	383.3	383.3	373.4
47.5°	5419.5	4726.8	2692.6	800.9	422.6	363.6	363.6	368.5	383.3	388.2	383.3
50°	5704.5	4952.8	2690.1	624.0	417.6	380.8	368.5	356.2	368.5	356.2	353.8
52.5°	5982.1	5151.8	2584.5	508.5	432.4	402.9	371.0	348.9	329.2	329.2	319.4
55°	6208.2	5318.8	2380.6	476.6	447.1	415.2	373.4	341.5	314.5	292.4	304.6
57.5°	6414.5	5483.4	2078.4	464.3	447.1	412.7	373.4	334.1	302.2	270.2	255.5
60°	6606.2	5623.5	1820.4	442.2	444.7	402.9	363.6	324.3	280.1	248.1	238.3
62.5°	6719.2	5660.3	1567.4	417.6	425.0	393.1	356.2	314.5	270.2	235.8	230.9
65°	6692.1	5557.1	1260.3	390.6	407.8	380.8	343.9	297.3	253.0	218.6	208.8
67.5°	6431.7	5159.1	968.0	351.3	380.8	363.6	324.3	243.2	147.4	120.4	122.8
70°	5859.3	4640.8	685.4	299.7	334.1	329.2	248.1	164.6	117.9	93.4	100.7
72.5°	5186.2	4014.3	474.1	235.8	253.0	230.9	189.2	142.5	100.7	78.6	78.6
75°	4318.9	3215.9	356.2	191.6	132.7	159.7	162.1	125.3	100.7	117.9	130.2
77.5°	3370.6	2378.1	282.5	152.3	59.0	88.4	117.9	105.6	179.3	186.7	174.4
80°	2262.6	1606.7	221.1	51.6	31.9	36.9	71.2	144.9	149.9	83.5	78.6
82.5°	1252.9	837.7	93.4	29.5	17.2	19.7	36.9	189.2	98.3	76.2	73.7
85°	577.3	353.8	34.4	14.7	9.8	9.8	9.8	31.9	19.7	14.7	19.7
87.5°	44.2	27.0	7.4	4.9	4.9	2.5	0.0	2.5	2.5	2.5	2.5
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)