

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: P511035

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

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511035
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-3)
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-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 1650mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10795 lumens
Efficiency: N/A
Efficacy: 114.7 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

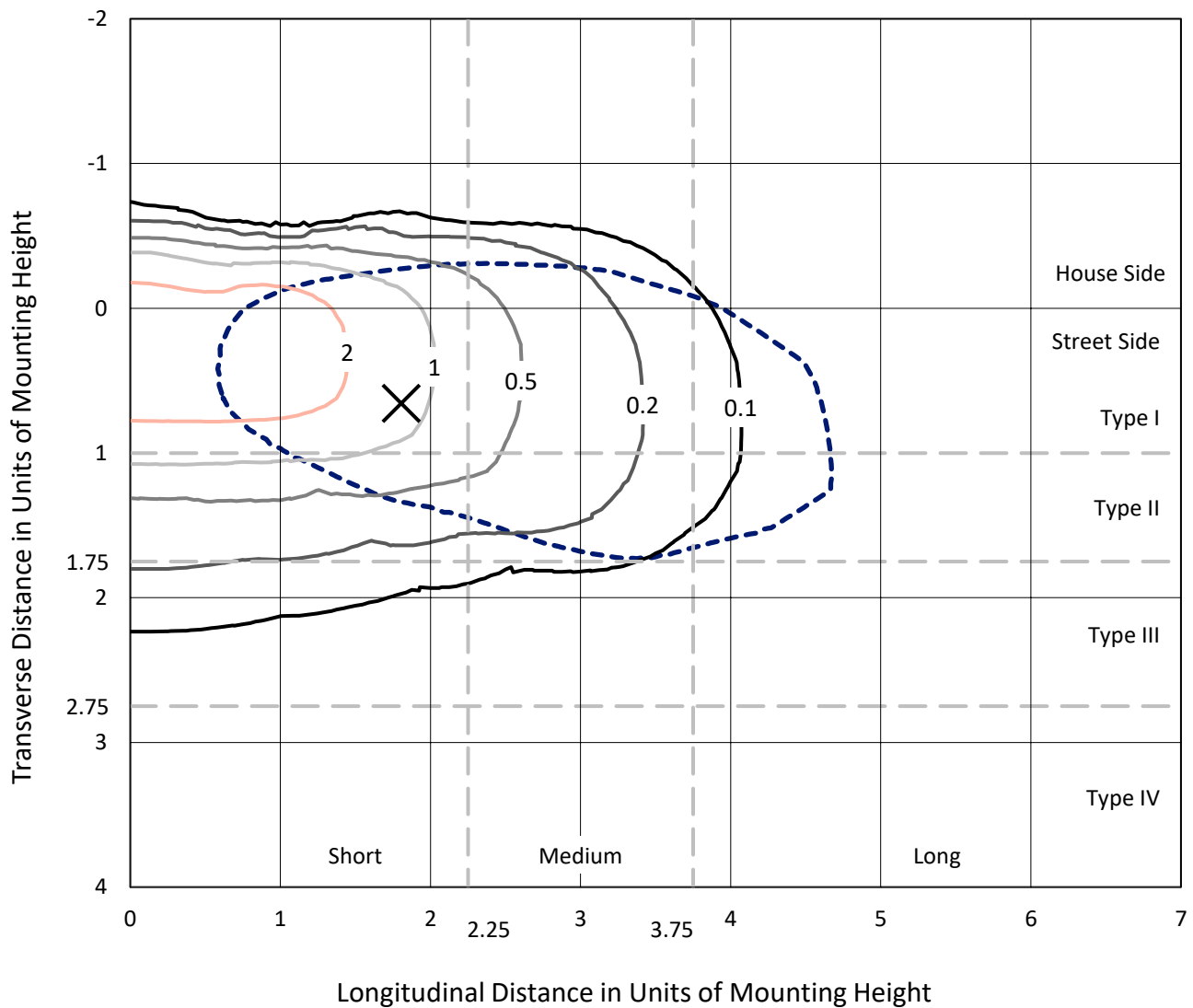


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Iso-Footcandle Lines of Horizontal Illumination

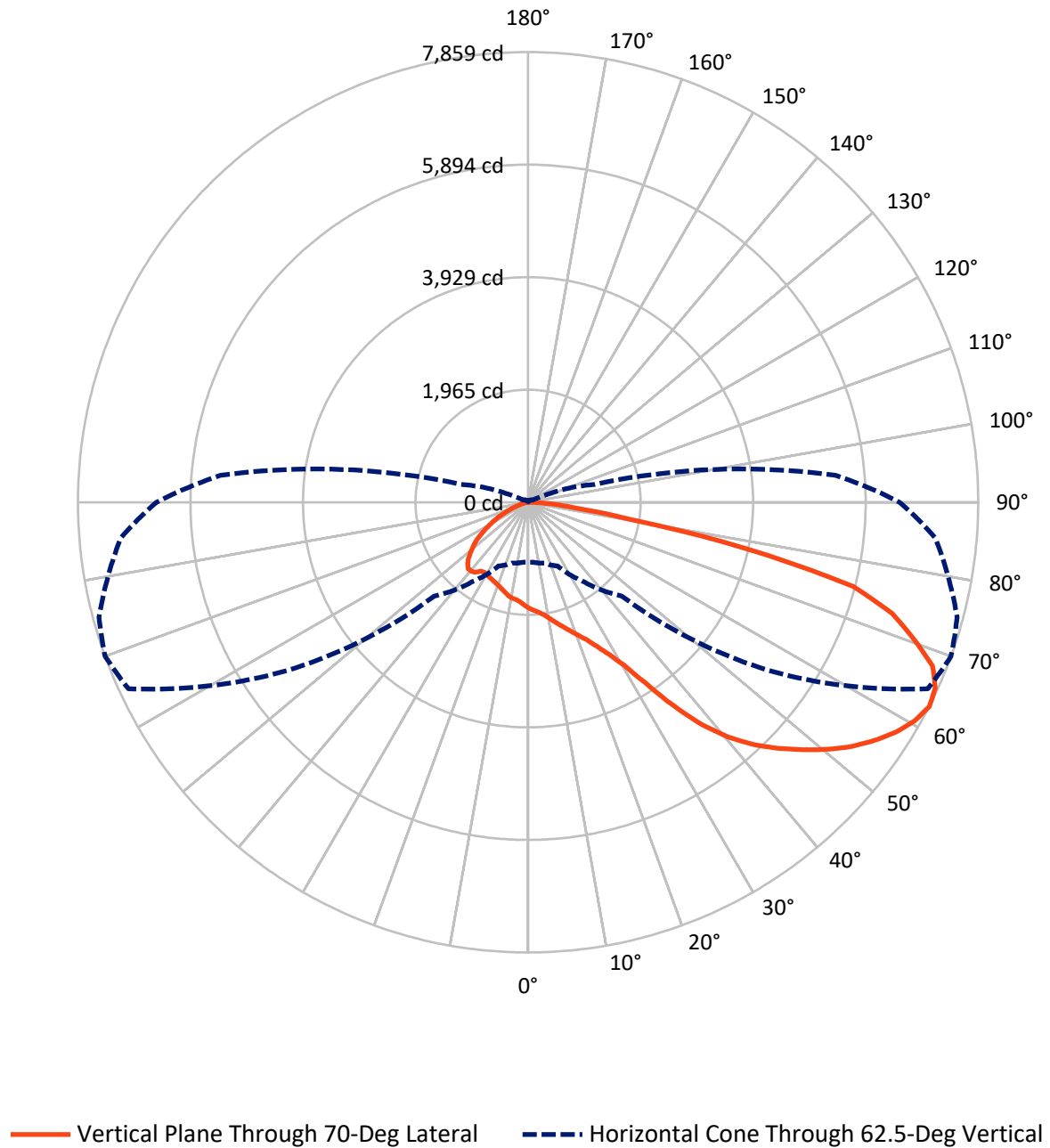
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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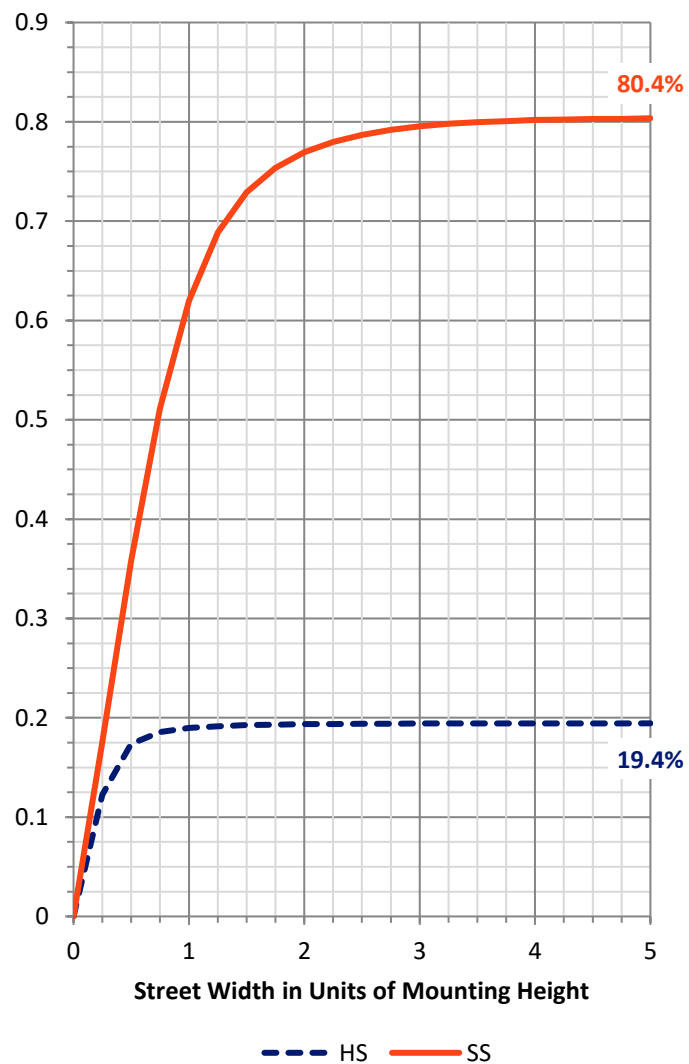
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2123.5	0.0	2123.5
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	8671.5	0.0	8671.5
	% Fixture	80.3	0.0	80.3
Total	Lumens	10795.0	0.0	10795.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.9	1.6
10°-20°	529.4	4.9
20°-30°	894.8	8.3
30°-40°	1371.9	12.7
40°-50°	1913.1	17.7
50°-60°	2228.4	20.6
60°-70°	2189.1	20.3
70°-80°	1317.0	12.2
80°-90°	175.5	1.6
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°	10795.0	100.0
0°-180°	10795.0	100.0

Coefficient of Utilization



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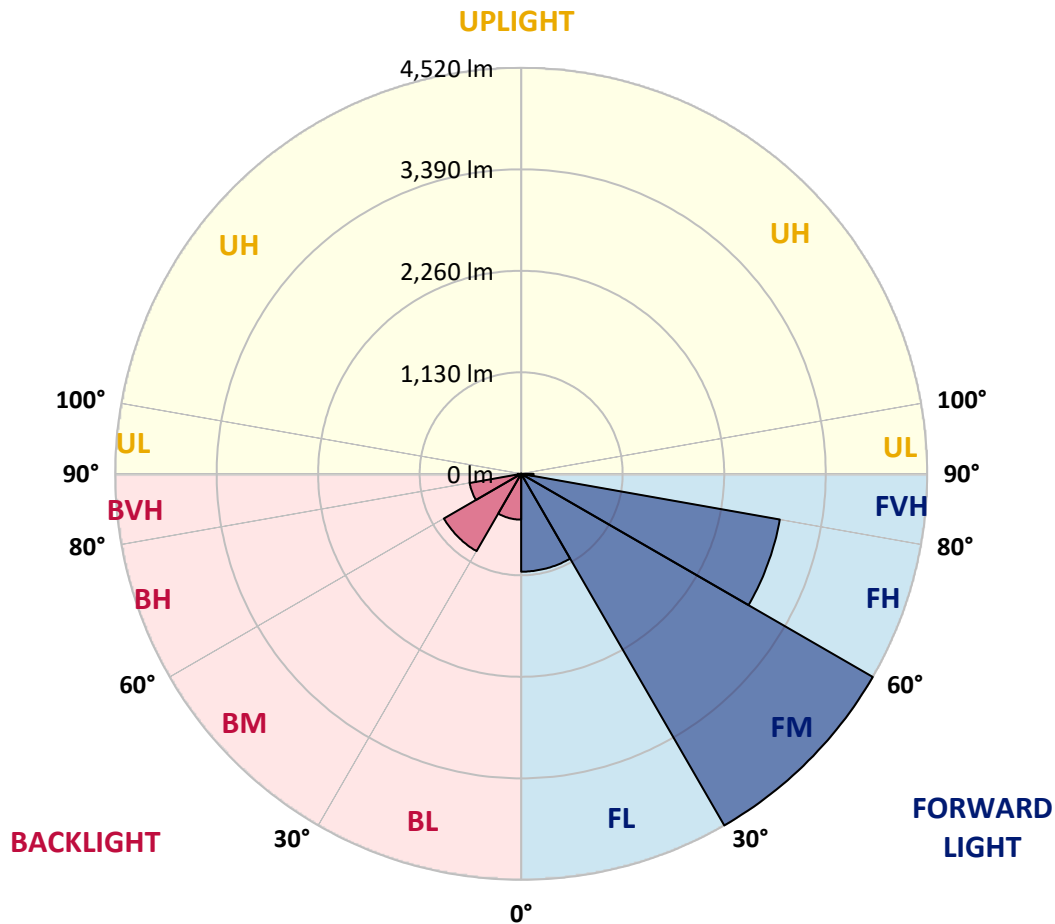
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1089.7	10.1			
FM	(30°-60°)	4519.8	41.9			
FH	(60°-80°)	2923.5	27.1			G2/5000
FVH	(80°-90°)	138.5	1.3			G2/225
BL	(0°-30°)	510.5	4.7	B2/1000		
BM	(30°-60°)	993.5	9.2	B1/1000		
BH	(60°-80°)	582.6	5.4	B2/1000		G2/1000
BVH	(80°-90°)	37.0	0.3			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°	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2
2.5°	1978.5	1978.5	1971.3	1961.6	1952.0	1939.9	1920.6	1901.3	1889.3	1879.6	1855.5
5°	2116.1	2111.2	2096.8	2070.2	2038.8	2012.3	1980.9	1942.3	1925.4	1903.7	1860.3
7.5°	2229.5	2227.0	2210.2	2193.3	2166.7	2130.5	2072.6	2005.1	1983.4	1954.4	1884.4
10°	2338.0	2338.0	2326.0	2306.7	2277.7	2243.9	2190.9	2116.1	2063.0	2017.1	1923.0
12.5°	2432.1	2432.1	2415.2	2398.4	2371.8	2335.6	2285.0	2205.3	2149.8	2099.2	1964.0
15°	2533.5	2526.2	2509.3	2499.7	2461.1	2429.7	2383.9	2299.4	2248.8	2181.2	2012.3
17.5°	2634.8	2625.2	2603.5	2593.8	2562.4	2526.2	2487.6	2412.8	2352.5	2275.3	2079.9
20°	2712.0	2707.2	2692.7	2690.3	2673.4	2630.0	2603.5	2528.7	2470.7	2383.9	2154.7
22.5°	2801.3	2798.9	2791.7	2779.6	2784.4	2772.3	2736.2	2671.0	2603.5	2523.8	2260.8
25°	2839.9	2842.3	2856.8	2885.8	2907.5	2905.1	2883.3	2835.1	2782.0	2687.9	2391.1
27.5°	2861.6	2861.6	2885.8	2960.5	3052.2	3059.5	3049.8	3042.6	2999.2	2895.4	2567.3
30°	2866.4	2868.9	2917.1	3018.5	3165.6	3230.8	3254.9	3305.6	3295.9	3228.4	2837.5
32.5°	2825.4	2830.3	2897.8	3045.0	3247.7	3392.4	3472.1	3698.9	3759.2	3764.0	3406.9
35°	2680.7	2685.5	2801.3	3018.5	3310.4	3554.1	3749.5	4157.3	4343.1	4381.7	3952.2
37.5°	2538.3	2557.6	2692.7	2967.8	3351.4	3708.5	4058.4	4705.0	4917.4	4890.8	4386.5
40°	2422.5	2437.0	2574.5	2883.3	3353.8	3855.7	4386.5	5182.8	5390.3	5308.2	4770.2
42.5°	2287.4	2299.4	2429.7	2772.3	3320.1	3978.8	4685.7	5636.4	5781.2	5696.7	5127.3
45°	2130.5	2145.0	2277.7	2605.9	3250.1	4058.4	4953.6	5988.7	6126.2	6056.2	5453.0
47.5°	1995.4	2007.5	2130.5	2432.1	3115.0	4080.1	5216.6	6367.5	6454.3	6365.1	5745.0
50°	1563.5	1635.9	1961.6	2277.7	2902.6	4034.3	5433.7	6690.8	6777.7	6693.2	6015.2
52.5°	1375.3	1382.6	1515.3	2113.6	2642.1	3901.6	5600.2	6973.1	7081.7	6970.7	6309.6
55°	1283.6	1290.9	1358.4	1838.6	2422.5	3679.6	5711.2	7257.8	7337.4	7209.6	6570.2
57.5°	1204.0	1218.5	1288.5	1462.2	2200.5	3279.0	5711.2	7494.3	7571.5	7417.1	6784.9
60°	1114.7	1124.4	1206.4	1331.9	1954.4	2743.4	5503.7	7672.8	7752.4	7617.3	6990.0
62.5°	1042.3	1052.0	1100.3	1228.1	1689.0	2313.9	5110.4	7699.4	7858.6	7754.9	7137.2
65°	953.1	960.3	1015.8	1126.8	1512.8	2017.1	4584.4	7559.4	7812.8	7793.5	7219.2
67.5°	842.1	856.6	912.1	1011.0	1307.8	1778.3	3764.0	7392.9	7614.9	7629.4	7043.1
70°	704.5	714.2	772.1	875.9	1095.4	1498.4	2794.1	6963.4	7139.6	7255.4	6661.8
72.5°	552.5	562.2	622.5	719.0	885.5	1245.0	2053.3	6285.4	6649.8	6724.6	5952.5
75°	79.6	101.3	200.3	390.9	709.4	965.1	1348.8	4828.1	5863.2	5913.9	5035.6
77.5°	48.3	50.7	77.2	120.6	212.3	646.6	897.6	2470.7	3899.1	4572.3	3937.7
80°	36.2	38.6	60.3	94.1	137.5	183.4	434.3	1358.4	1816.9	2560.0	2608.3
82.5°	19.3	21.7	41.0	67.6	84.4	79.6	183.4	593.6	839.7	1071.3	1312.6
85°	12.1	12.1	21.7	36.2	33.8	41.0	84.4	308.8	475.3	608.0	656.3
87.5°	4.8	4.8	7.2	12.1	12.1	9.7	14.5	72.4	94.1	115.8	72.4
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°	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2	1848.2
2.5°	1843.4	1831.3	1809.6	1783.1	1761.4	1744.5	1732.4	1725.2	1713.1	1717.9	1722.8
5°	1836.2	1812.0	1766.2	1722.8	1681.7	1648.0	1616.6	1594.9	1578.0	1570.8	1568.3
7.5°	1848.2	1809.6	1742.1	1679.3	1619.0	1556.3	1520.1	1476.7	1452.5	1447.7	1442.9
10°	1872.4	1828.9	1742.1	1650.4	1558.7	1474.2	1409.1	1363.3	1324.6	1307.8	1300.5
12.5°	1896.5	1833.8	1722.8	1604.5	1483.9	1380.1	1295.7	1223.3	1182.3	1177.5	1165.4
15°	1927.9	1848.2	1691.4	1544.2	1397.0	1269.2	1177.5	1112.3	1066.5	1059.2	1056.8
17.5°	1973.7	1872.4	1672.1	1483.9	1312.6	1165.4	1083.4	1037.5	967.5	965.1	953.1
20°	2031.6	1913.4	1667.3	1418.7	1228.1	1078.5	994.1	950.7	875.9	844.5	839.7
22.5°	2113.6	1966.5	1664.9	1363.3	1150.9	1003.7	902.4	825.2	743.2	673.2	658.7
25°	2212.6	2031.6	1669.7	1317.4	1076.1	921.7	772.1	632.2	547.7	485.0	460.9
27.5°	2338.0	2118.5	1676.9	1271.6	1001.3	813.1	600.8	451.2	376.4	335.4	325.7
30°	2555.2	2241.5	1686.6	1223.3	921.7	656.3	412.6	325.7	263.0	217.2	217.2
32.5°	3004.0	2574.5	1705.9	1177.5	825.2	487.4	299.2	222.0	164.1	139.9	144.8
35°	3520.3	3028.1	1795.2	1114.7	694.9	323.3	202.7	135.1	103.8	108.6	113.4
37.5°	3945.0	3380.4	2007.5	1052.0	523.6	226.8	123.1	94.1	94.1	96.5	113.4
40°	4297.3	3720.6	2157.1	962.7	345.0	139.9	79.6	86.9	82.0	84.4	79.6
42.5°	4651.9	4005.3	2275.3	844.5	222.0	84.4	72.4	82.0	77.2	77.2	67.6
45°	4951.1	4263.5	2335.6	673.2	125.5	70.0	67.6	77.2	74.8	72.4	62.7
47.5°	5243.1	4509.6	2364.6	465.7	79.6	62.7	62.7	70.0	70.0	60.3	55.5
50°	5515.7	4721.9	2350.1	255.8	74.8	60.3	62.7	57.9	60.3	48.3	43.4
52.5°	5778.7	4905.3	2234.3	154.4	70.0	60.3	55.5	50.7	48.3	36.2	36.2
55°	5995.9	5057.3	2022.0	120.6	70.0	57.9	50.7	43.4	38.6	29.0	31.4
57.5°	6188.9	5211.7	1734.8	111.0	72.4	55.5	45.8	38.6	31.4	24.1	21.7
60°	6374.7	5346.8	1462.2	101.3	74.8	55.5	38.6	31.4	21.7	19.3	16.9
62.5°	6488.1	5390.3	1211.2	91.7	74.8	50.7	36.2	26.5	16.9	14.5	12.1
65°	6461.6	5286.5	950.7	86.9	72.4	45.8	31.4	21.7	14.5	9.7	9.7
67.5°	6210.6	4927.0	690.1	84.4	70.0	45.8	29.0	16.9	12.1	7.2	7.2
70°	5648.4	4391.4	475.3	77.2	62.7	38.6	29.0	14.5	9.7	7.2	4.8
72.5°	4943.9	3884.7	318.5	67.6	50.7	29.0	16.9	12.1	7.2	4.8	4.8
75°	4234.5	3086.0	219.6	53.1	38.6	24.1	12.1	9.7	7.2	4.8	2.4
77.5°	3180.1	2224.6	164.1	41.0	29.0	14.5	7.2	4.8	4.8	2.4	2.4
80°	2195.7	1529.7	127.9	21.7	9.7	7.2	4.8	4.8	2.4	2.4	2.4
82.5°	1175.1	815.5	79.6	14.5	4.8	4.8	2.4	2.4	2.4	2.4	2.4
85°	557.4	330.6	26.5	7.2	4.8	2.4	2.4	2.4	2.4	2.4	2.4
87.5°	55.5	16.9	7.2	4.8	4.8	2.4	0.0	2.4	2.4	2.4	2.4
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)