

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: P510984

Luminaire Tested: **USSL-P-C018-D-U-T2-7050**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510984
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-C018-D-U-T2-7050
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 5000K, 1300mA LED AND TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9717 lumens
Efficiency: N/A
Efficacy: 133.5 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

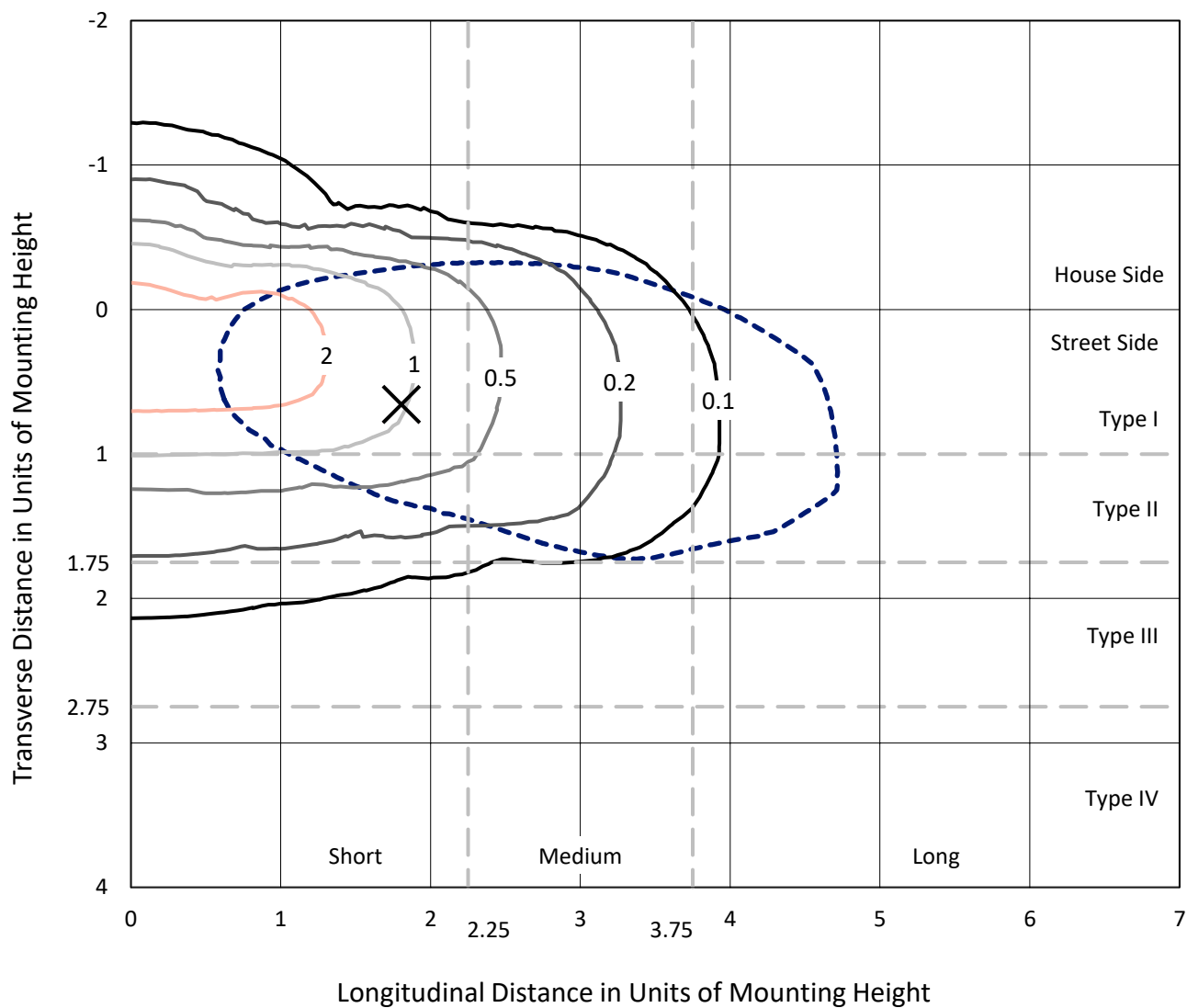
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P510984
 CATALOG NUMBER: USSL-P-C018-D-U-T2-7050

Iso-Footcandle Lines of Horizontal Illumination

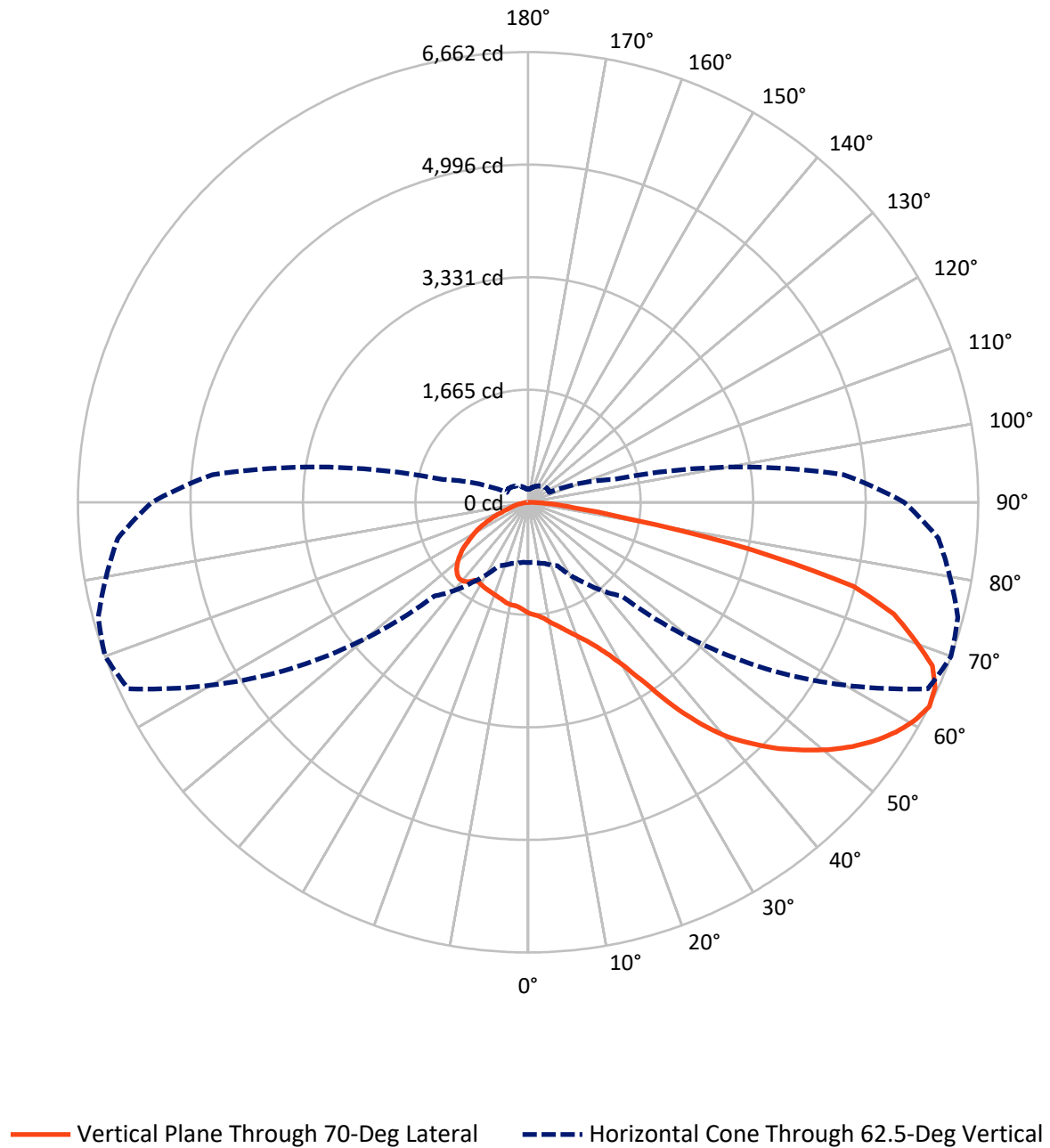
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Short - N/A

REPORT NUMBER: P510984
CATALOG NUMBER: USSL-P-C018-D-U-T2-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P510984

CATALOG NUMBER: USSL-P-C018-D-U-T2-7050

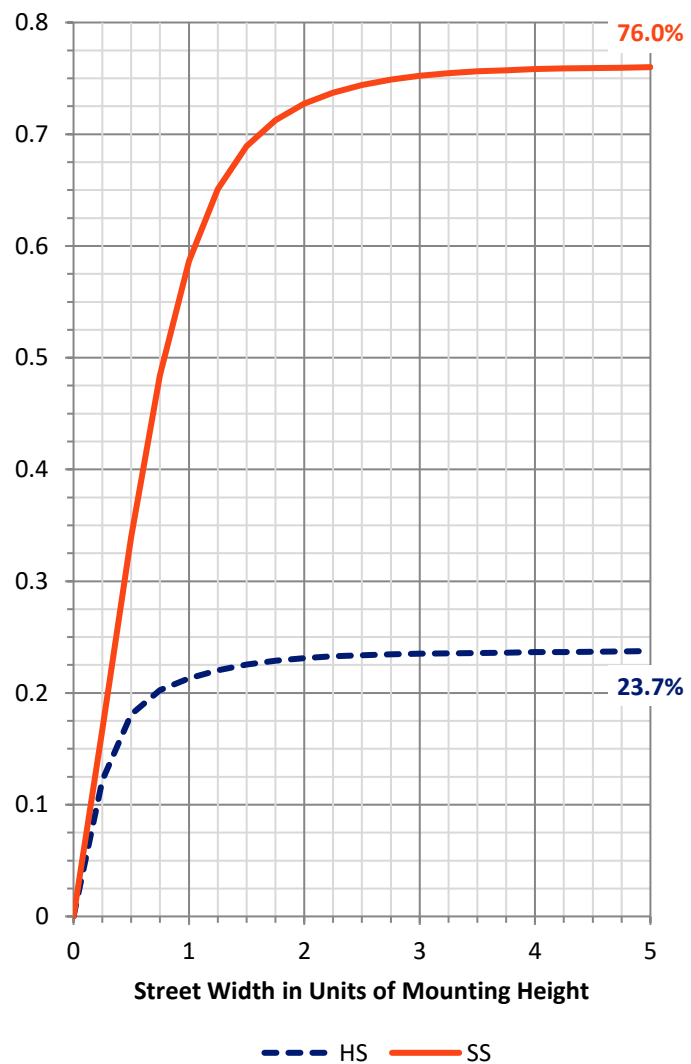
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2334.6	0.0	2334.6
	% Fixture	24.0	0.0	24.0
Street Side	Lumens	7382.4	0.0	7382.4
	% Fixture	76.0	0.0	76.0
Total	Lumens	9717.0	0.0	9717.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.4	1.6
10°-20°	482.6	5.0
20°-30°	820.6	8.4
30°-40°	1240.7	12.8
40°-50°	1712.3	17.6
50°-60°	1999.4	20.6
60°-70°	1963.6	20.2
70°-80°	1178.9	12.1
80°-90°	161.5	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°	9717.0	100.0
0°-180°	9717.0	100.0

Coefficient of Utilization



REPORT NUMBER: P510984

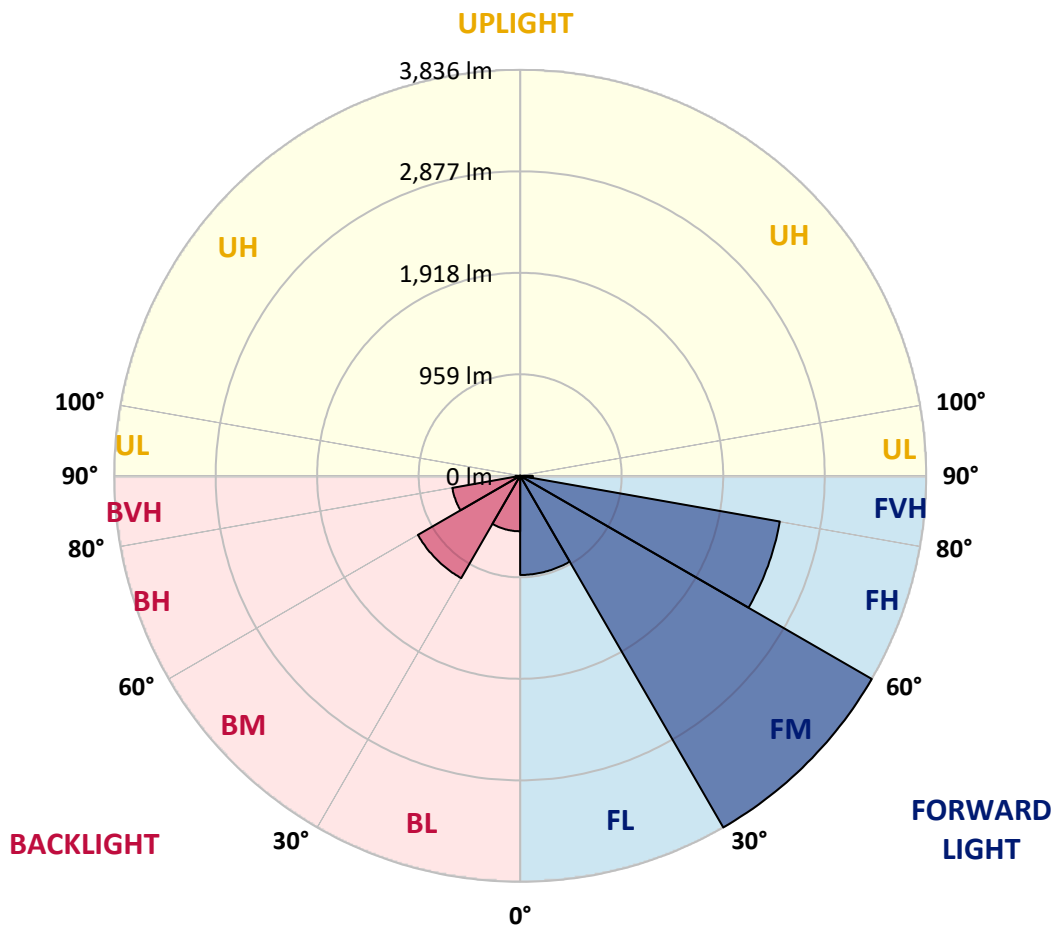
CATALOG NUMBER: USSL-P-C018-D-U-T2-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	936.5	9.6			
FM	(30°-60°)	3835.9	39.5			
FH	(60°-80°)	2491.0	25.6			G2/5000
FVH	(80°-90°)	119.0	1.2			G2/225
BL	(0°-30°)	524.1	5.4	B2/1000		
BM	(30°-60°)	1116.5	11.5	B2/2500		
BH	(60°-80°)	651.5	6.7	B2/1000		G2/1000
BVH	(80°-90°)	42.4	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



REPORT NUMBER: P510984

CATALOG NUMBER: USSL-P-C018-D-U-T2-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1640.0	1640.0	1640.0	1640.0	1640.0	1640.0	1640.0	1640.0	1640.0	1640.0	1640.0
2.5°	1737.7	1739.7	1727.5	1721.4	1713.3	1707.2	1690.9	1676.7	1666.5	1658.3	1642.1
5°	1835.4	1833.3	1821.1	1798.7	1784.5	1764.2	1729.6	1705.1	1690.9	1674.6	1642.1
7.5°	1933.0	1924.9	1912.7	1892.3	1874.0	1845.5	1808.9	1760.1	1739.7	1713.3	1662.4
10°	2014.4	2014.4	2010.4	1992.1	1971.7	1933.0	1896.4	1839.4	1804.9	1766.2	1692.9
12.5°	2095.8	2093.8	2081.6	2071.4	2051.1	2016.5	1973.7	1910.7	1865.9	1825.2	1725.5
15°	2179.3	2175.2	2160.9	2146.7	2118.2	2091.8	2049.0	1990.0	1941.2	1890.3	1764.2
17.5°	2266.7	2260.6	2242.3	2234.2	2201.6	2175.2	2140.6	2077.5	2026.6	1965.6	1819.1
20°	2331.9	2329.8	2313.5	2309.5	2293.2	2262.7	2236.2	2181.3	2120.2	2055.1	1882.2
22.5°	2382.7	2382.7	2378.7	2386.8	2392.9	2372.6	2338.0	2291.2	2226.1	2163.0	1963.6
25°	2419.4	2419.4	2433.6	2458.0	2492.6	2490.6	2474.3	2427.5	2372.6	2301.3	2067.3
27.5°	2431.6	2433.6	2453.9	2517.0	2594.3	2616.7	2608.6	2596.4	2557.7	2470.2	2209.8
30°	2431.6	2433.6	2476.3	2565.9	2690.0	2749.0	2773.4	2828.3	2816.1	2751.0	2451.9
32.5°	2397.0	2401.0	2456.0	2582.1	2755.1	2867.0	2956.5	3135.6	3188.5	3200.7	2899.6
35°	2270.8	2281.0	2370.5	2559.8	2808.0	3011.5	3192.6	3542.6	3701.3	3715.5	3377.7
37.5°	2160.9	2167.0	2289.1	2515.0	2840.6	3143.7	3446.9	3996.3	4167.2	4165.2	3748.1
40°	2057.2	2069.4	2185.4	2443.8	2836.5	3259.7	3705.3	4403.3	4574.2	4507.0	4059.4
42.5°	1939.1	1953.4	2065.3	2354.2	2810.0	3365.5	3955.6	4777.7	4887.5	4848.9	4368.7
45°	1813.0	1819.1	1935.1	2207.7	2749.0	3430.6	4195.7	5107.3	5198.9	5127.6	4643.4
47.5°	1699.0	1707.2	1804.9	2061.2	2633.0	3451.0	4407.3	5400.3	5477.6	5418.6	4889.6
50°	1351.1	1375.5	1662.4	1929.0	2462.1	3408.3	4606.7	5662.8	5754.4	5677.0	5148.0
52.5°	1165.9	1180.2	1294.1	1792.6	2234.2	3294.3	4747.1	5927.3	6006.7	5904.9	5371.8
55°	1090.6	1092.7	1159.8	1532.2	2047.0	3101.0	4830.6	6167.4	6228.5	6128.8	5595.6
57.5°	1023.5	1033.7	1092.7	1249.4	1865.9	2751.0	4834.6	6348.5	6417.7	6293.6	5778.8
60°	948.2	956.3	1023.5	1129.3	1658.3	2297.3	4665.8	6505.2	6566.2	6460.4	5959.9
62.5°	889.2	891.2	936.0	1037.7	1450.8	1963.6	4297.5	6527.6	6661.9	6584.6	6094.2
65°	818.0	822.1	866.8	956.3	1281.9	1707.2	3882.4	6401.4	6619.1	6621.2	6167.4
67.5°	726.4	728.5	777.3	866.8	1109.0	1509.8	3198.7	6271.2	6452.3	6486.9	6020.9
70°	604.3	616.5	659.3	744.7	940.1	1277.8	2431.6	5907.0	6063.6	6153.2	5640.4
72.5°	457.8	478.2	531.1	620.6	754.9	1070.3	1709.2	5345.4	5660.8	5723.8	5082.9
75°	95.6	97.7	158.7	327.6	610.4	830.2	1172.0	4065.5	4979.1	5084.9	4319.8
77.5°	42.7	46.8	73.3	109.9	197.4	535.1	767.1	2132.5	3381.8	3969.9	3410.3
80°	32.6	34.6	59.0	87.5	122.1	160.7	378.5	1172.0	1570.9	2195.5	2295.2
82.5°	18.3	20.3	38.7	63.1	77.3	73.3	156.7	508.7	704.0	891.2	1119.1
85°	10.2	12.2	22.4	34.6	32.6	36.6	69.2	270.6	400.9	529.0	565.7
87.5°	4.1	6.1	8.1	12.2	12.2	10.2	12.2	50.9	73.3	69.2	48.8
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: P510984

CATALOG NUMBER: USSL-P-C018-D-U-T2-7050

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1640.0	1640.0	1640.0	1640.0	1640.0	1640.0	1640.0	1640.0	1640.0	1640.0	1640.0
2.5°	1633.9	1623.8	1607.5	1591.2	1577.0	1564.7	1552.5	1548.5	1546.4	1546.4	1554.6
5°	1625.8	1609.5	1577.0	1548.5	1520.0	1499.6	1483.4	1467.1	1467.1	1463.0	1463.0
7.5°	1636.0	1611.5	1562.7	1520.0	1483.4	1454.9	1436.6	1418.2	1408.1	1406.0	1406.0
10°	1656.3	1625.8	1564.7	1509.8	1463.0	1418.2	1389.8	1361.3	1345.0	1336.9	1338.9
12.5°	1676.7	1631.9	1556.6	1489.5	1426.4	1369.4	1320.6	1279.9	1261.6	1263.6	1263.6
15°	1697.0	1642.1	1536.3	1452.8	1375.5	1302.3	1253.4	1210.7	1184.2	1180.2	1186.3
17.5°	1737.7	1662.4	1528.1	1418.2	1322.6	1237.1	1190.3	1155.8	1106.9	1106.9	1102.9
20°	1786.5	1697.0	1530.2	1381.6	1267.7	1170.0	1115.1	1082.5	1039.8	1015.4	1009.3
22.5°	1849.6	1743.8	1534.2	1347.0	1208.7	1100.8	1027.6	986.9	956.3	921.8	915.7
25°	1939.1	1800.8	1544.4	1312.4	1145.6	1021.5	927.9	875.0	840.4	801.7	799.7
27.5°	2038.9	1865.9	1554.6	1277.8	1072.3	921.8	803.7	744.7	716.2	697.9	691.8
30°	2205.7	1973.7	1568.8	1237.1	984.8	791.5	675.5	638.9	616.5	575.8	584.0
32.5°	2624.9	2256.6	1585.1	1190.3	895.3	675.5	590.1	545.3	504.6	474.1	472.1
35°	3029.8	2620.8	1664.5	1137.4	785.4	565.7	510.7	447.7	398.8	384.6	384.6
37.5°	3385.9	2924.0	1857.8	1088.6	677.6	506.7	425.3	376.4	345.9	325.6	350.0
40°	3701.3	3229.2	2002.2	1019.4	561.6	435.4	341.8	325.6	307.3	303.2	305.2
42.5°	3980.0	3469.3	2114.1	931.9	478.2	356.1	297.1	311.3	309.3	307.3	299.1
45°	4254.7	3709.4	2185.4	805.8	409.0	303.2	293.0	315.4	317.4	317.4	309.3
47.5°	4488.7	3914.9	2230.1	663.3	350.0	301.1	301.1	305.2	317.4	321.5	317.4
50°	4724.8	4102.1	2228.1	516.8	345.9	315.4	305.2	295.0	305.2	295.0	293.0
52.5°	4954.7	4266.9	2140.6	421.2	358.1	333.7	307.3	288.9	272.7	272.7	264.5
55°	5141.9	4405.3	1971.7	394.7	370.3	343.9	309.3	282.8	260.5	242.1	252.3
57.5°	5312.8	4541.6	1721.4	384.6	370.3	341.8	309.3	276.7	250.3	223.8	211.6
60°	5471.5	4657.6	1507.8	366.3	368.3	333.7	301.1	268.6	232.0	205.5	197.4
62.5°	5565.1	4688.1	1298.2	345.9	352.0	325.6	295.0	260.5	223.8	195.3	191.3
65°	5542.7	4602.7	1043.8	323.5	337.8	315.4	284.9	246.2	209.6	181.1	173.0
67.5°	5327.1	4273.0	801.7	291.0	315.4	301.1	268.6	201.4	122.1	99.7	101.7
70°	4853.0	3843.7	567.7	248.2	276.7	272.7	205.5	136.3	97.7	77.3	83.4
72.5°	4295.4	3324.8	392.7	195.3	209.6	191.3	156.7	118.0	83.4	65.1	65.1
75°	3577.1	2663.5	295.0	158.7	109.9	132.3	134.3	103.8	83.4	97.7	107.8
77.5°	2791.7	1969.7	234.0	126.2	48.8	73.3	97.7	87.5	148.5	154.6	144.5
80°	1874.0	1330.7	183.1	42.7	26.5	30.5	59.0	120.1	124.1	69.2	65.1
82.5°	1037.7	693.9	77.3	24.4	14.2	16.3	30.5	156.7	81.4	63.1	61.0
85°	478.2	293.0	28.5	12.2	8.1	8.1	8.1	26.5	16.3	12.2	16.3
87.5°	36.6	22.4	6.1	4.1	4.1	2.0	0.0	2.0	2.0	2.0	2.0
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)