

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: P511012

Luminaire Tested: **USSL-P-C018-D-U-T4**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511012
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-6)
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-T4
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 1300mA LED AND TYPE IV OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9752 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

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

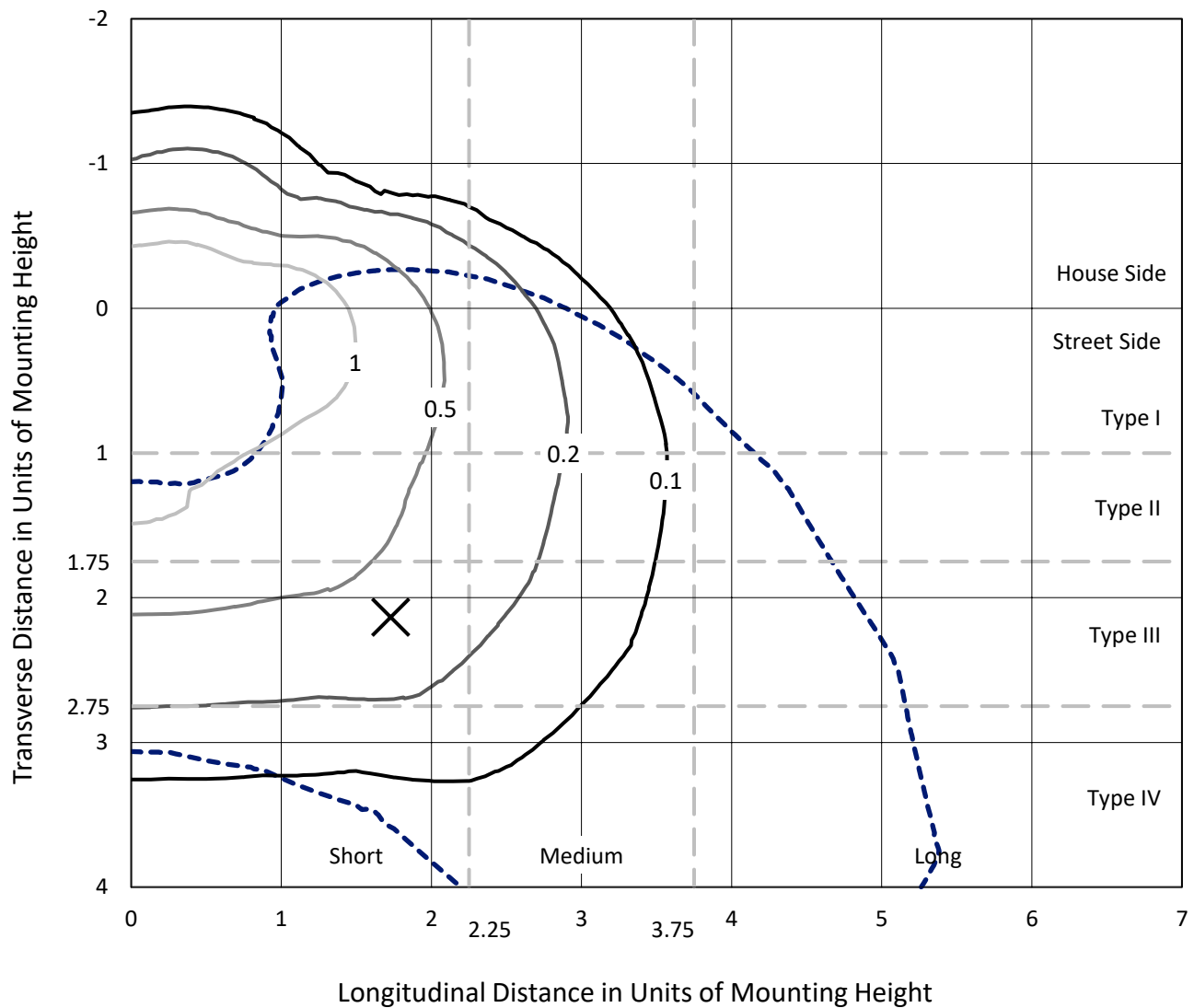


REPORT NUMBER: P511012

CATALOG NUMBER: USSL-P-C018-D-U-T4

Iso-Footcandle Lines of Horizontal Illumination

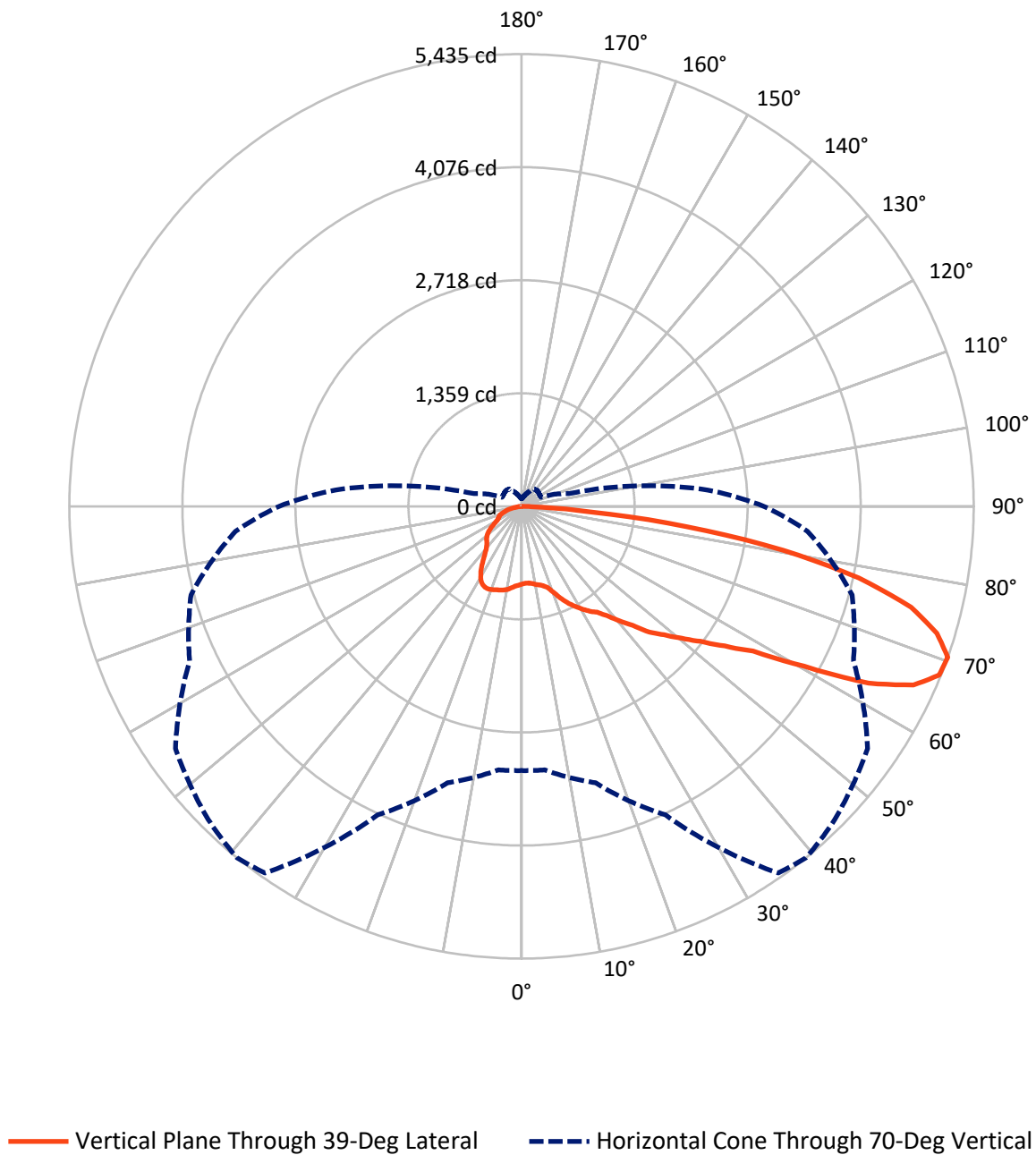
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P511012
CATALOG NUMBER: USSL-P-C018-D-U-T4

Luminous Intensity Polar Plot



REPORT NUMBER: P511012

CATALOG NUMBER: USSL-P-C018-D-U-T4

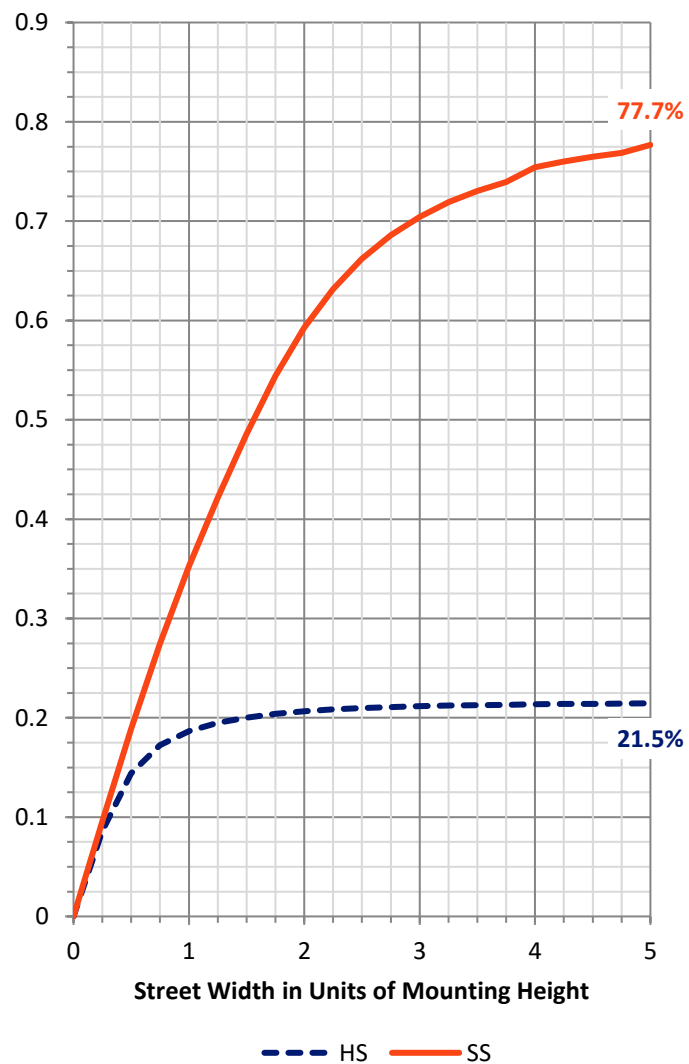
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2109.2	0.0	2109.2
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	7642.8	0.0	7642.8
	% Fixture	78.4	0.0	78.4
Total	Lumens	9752.0	0.0	9752.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	0.9
10°-20°	292.1	3.0
20°-30°	554.2	5.7
30°-40°	866.7	8.9
40°-50°	1316.1	13.5
50°-60°	1927.4	19.8
60°-70°	2480.1	25.4
70°-80°	1885.3	19.3
80°-90°	338.9	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°	9752.0	100.0
0°-180°	9752.0	100.0

Coefficient of Utilization



REPORT NUMBER: P511012

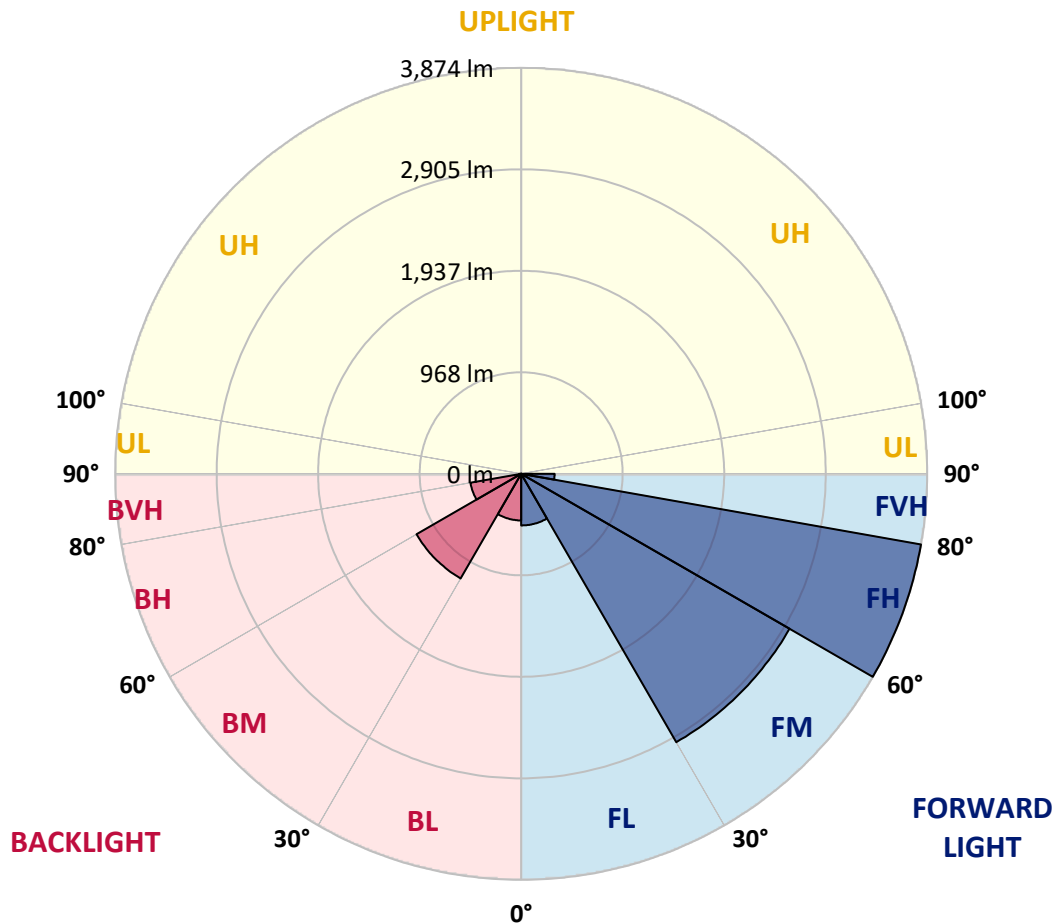
CATALOG NUMBER: USSL-P-C018-D-U-T4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	492.8	5.1			
FM	(30°-60°)	2957.1	30.3			
FH	(60°-80°)	3874.0	39.7			G2/5000
FVH	(80°-90°)	318.9	3.3			G3/500
BL	(0°-30°)	444.7	4.6	B1/500		
BM	(30°-60°)	1153.1	11.8	B2/2500		
BH	(60°-80°)	491.4	5.0	B1/500		G1/500
BVH	(80°-90°)	20.0	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



REPORT NUMBER: P511012

CATALOG NUMBER: USSL-P-C018-D-U-T4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2
2.5°	923.2	921.2	921.2	923.2	923.2	925.2	925.2	927.2	929.2	935.2	937.2
5°	919.2	921.2	921.2	923.2	925.2	925.2	925.2	927.2	927.2	933.2	935.2
7.5°	923.2	925.2	929.2	933.2	935.2	937.2	939.2	941.2	941.2	943.2	947.2
10°	929.2	933.2	935.2	943.2	953.2	955.2	959.2	965.1	967.1	969.1	973.1
12.5°	943.2	941.2	945.2	955.2	965.1	969.1	975.1	985.1	993.1	993.1	997.1
15°	955.2	957.2	961.2	971.1	983.1	991.1	999.1	1011.1	1021.1	1027.1	1031.1
17.5°	1019.1	1015.1	1021.1	1013.1	1021.1	1027.1	1037.1	1051.1	1067.1	1073.1	1081.0
20°	1115.0	1119.0	1109.0	1111.0	1105.0	1103.0	1099.0	1101.0	1117.0	1135.0	1149.0
22.5°	1224.9	1232.9	1228.9	1212.9	1198.9	1196.9	1188.9	1185.0	1188.9	1210.9	1230.9
25°	1322.8	1324.8	1322.8	1302.8	1286.9	1282.9	1282.9	1290.9	1292.9	1300.9	1318.8
27.5°	1396.8	1396.8	1390.8	1378.8	1362.8	1356.8	1362.8	1382.8	1400.8	1412.8	1432.7
30°	1454.7	1454.7	1448.7	1442.7	1436.7	1430.7	1434.7	1476.7	1518.7	1546.6	1592.6
32.5°	1572.6	1564.6	1550.6	1496.7	1502.7	1502.7	1506.7	1554.6	1626.6	1696.5	1760.4
35°	1690.5	1684.5	1668.5	1630.6	1564.6	1562.6	1584.6	1638.6	1730.5	1858.4	1968.3
37.5°	1840.4	1834.4	1816.4	1758.4	1696.5	1664.5	1646.5	1724.5	1854.4	2060.2	2214.0
40°	2014.2	2012.2	1980.3	1906.3	1826.4	1808.4	1766.4	1820.4	2004.2	2298.0	2467.8
42.5°	2146.1	2146.1	2122.1	2044.2	1984.2	1954.3	1928.3	1950.3	2182.1	2571.7	2707.6
45°	2238.0	2250.0	2234.0	2196.1	2160.1	2158.1	2136.1	2186.1	2411.9	2859.5	2937.4
47.5°	2351.9	2355.9	2321.9	2310.0	2304.0	2306.0	2337.9	2433.9	2639.7	3117.2	3139.2
50°	2675.6	2671.6	2543.8	2483.8	2451.8	2491.8	2545.8	2677.6	2911.4	3349.0	3313.1
52.5°	3077.3	3019.3	2805.5	2693.6	2669.6	2697.6	2765.6	2911.4	3227.1	3552.9	3451.0
55°	3494.9	3453.0	3311.1	3063.3	2925.4	2963.4	2999.4	3135.2	3520.9	3734.7	3574.8
57.5°	3764.7	3768.7	3760.7	3634.8	3329.1	3283.1	3285.1	3381.0	3766.7	3930.5	3680.7
60°	3986.5	4022.4	4120.4	4092.4	4036.4	3904.6	3660.8	3638.8	3994.5	4068.4	3760.7
62.5°	4104.4	4122.4	4282.2	4422.1	4665.9	4681.9	4400.1	3930.5	4208.3	4164.3	3798.6
65°	3994.5	4006.5	4222.3	4506.0	5091.5	5177.4	5079.5	4392.1	4370.1	4212.3	3780.7
67.5°	3632.8	3652.8	3878.6	4416.1	5349.3	5413.2	5331.3	4987.6	4436.1	4192.3	3674.8
70°	3175.2	3179.2	3439.0	4090.4	5379.2	5435.2	5325.3	5077.5	4402.1	4112.4	3451.0
72.5°	2569.7	2595.7	2863.5	3534.9	5165.4	5219.4	5153.4	4961.6	4324.2	3948.5	3037.3
75°	1974.3	1952.3	2208.0	2811.5	4625.9	4835.7	4809.8	4747.8	4118.4	3480.9	2361.9
77.5°	1228.9	1262.9	1510.7	2112.1	3806.6	4148.3	4316.2	4384.1	3572.8	2677.6	1356.8
80°	569.5	585.5	861.2	1412.8	2817.5	3187.2	3508.9	3504.9	2639.7	1592.6	399.6
82.5°	179.8	187.8	345.7	799.3	1780.4	2004.2	2248.0	2040.2	917.2	195.8	63.9
85°	75.9	81.9	141.9	299.7	687.4	825.3	957.2	947.2	99.9	52.0	36.0
87.5°	42.0	44.0	54.0	79.9	105.9	111.9	123.9	109.9	22.0	22.0	12.0
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: P511012

CATALOG NUMBER: USSL-P-C018-D-U-T4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2
2.5°	937.2	937.2	941.2	945.2	945.2	947.2	947.2	947.2	947.2	943.2	941.2
5°	937.2	939.2	945.2	951.2	957.2	959.2	963.1	963.1	965.1	967.1	965.1
7.5°	951.2	955.2	963.1	973.1	979.1	983.1	987.1	989.1	989.1	991.1	991.1
10°	975.1	979.1	993.1	1003.1	1009.1	1013.1	1011.1	1011.1	1013.1	1011.1	1011.1
12.5°	999.1	1005.1	1021.1	1035.1	1035.1	1029.1	1025.1	1021.1	1019.1	1017.1	1015.1
15°	1035.1	1039.1	1061.1	1069.1	1061.1	1047.1	1033.1	1019.1	1009.1	1003.1	1003.1
17.5°	1089.0	1099.0	1123.0	1115.0	1095.0	1065.1	1037.1	1007.1	983.1	969.1	969.1
20°	1159.0	1171.0	1192.9	1175.0	1137.0	1091.0	1041.1	987.1	939.2	911.2	905.2
22.5°	1242.9	1260.9	1268.9	1232.9	1177.0	1115.0	1041.1	967.1	891.2	827.3	813.3
25°	1344.8	1358.8	1338.8	1276.9	1202.9	1119.0	1031.1	935.2	821.3	733.4	723.4
27.5°	1458.7	1458.7	1404.8	1310.8	1208.9	1103.0	1003.1	875.2	733.4	669.4	661.4
30°	1598.6	1568.6	1462.7	1330.8	1192.9	1071.1	947.2	781.3	667.4	611.5	605.5
32.5°	1748.5	1686.5	1518.7	1336.8	1161.0	1015.1	861.2	707.4	619.5	561.5	553.5
35°	1930.3	1832.4	1576.6	1322.8	1101.0	935.2	759.3	647.4	569.5	505.6	497.6
37.5°	2158.1	2018.2	1640.6	1292.9	1025.1	833.3	679.4	589.5	521.5	451.6	439.6
40°	2393.9	2232.0	1736.5	1252.9	937.2	741.3	615.5	549.5	485.6	411.6	395.7
42.5°	2627.7	2433.9	1858.4	1216.9	859.2	679.4	589.5	543.5	473.6	395.7	381.7
45°	2833.5	2611.7	1972.3	1175.0	773.3	623.4	577.5	537.5	467.6	387.7	371.7
47.5°	2999.4	2775.5	2082.2	1139.0	693.4	585.5	565.5	521.5	451.6	375.7	359.7
50°	3155.2	2909.4	2158.1	1109.0	621.5	555.5	539.5	485.6	415.6	343.7	333.7
52.5°	3283.1	3015.3	2206.1	1121.0	551.5	523.5	497.6	437.6	367.7	313.7	299.7
55°	3379.0	3075.3	2214.0	1101.0	489.6	473.6	443.6	391.7	341.7	295.7	283.7
57.5°	3458.9	3103.3	2184.1	929.2	435.6	413.6	389.7	355.7	307.7	263.8	255.8
60°	3484.9	3101.3	2108.1	659.4	375.7	341.7	349.7	323.7	273.8	231.8	223.8
62.5°	3470.9	3053.3	1912.3	459.6	319.7	309.7	321.7	295.7	245.8	207.8	201.8
65°	3397.0	2933.4	1616.6	319.7	289.7	295.7	307.7	279.8	227.8	191.8	187.8
67.5°	3227.1	2701.6	1183.0	275.8	275.8	285.7	291.7	255.8	157.9	111.9	103.9
70°	2915.4	2248.0	591.5	257.8	259.8	267.8	253.8	183.8	133.9	95.9	91.9
72.5°	2377.9	1584.6	209.8	237.8	239.8	229.8	205.8	161.9	115.9	83.9	77.9
75°	1544.6	775.3	181.8	221.8	207.8	193.8	181.8	135.9	97.9	59.9	56.0
77.5°	673.4	177.8	169.8	191.8	177.8	171.8	129.9	99.9	65.9	42.0	40.0
80°	113.9	105.9	159.9	141.9	141.9	105.9	79.9	59.9	40.0	26.0	24.0
82.5°	54.0	75.9	123.9	91.9	77.9	52.0	46.0	42.0	30.0	20.0	20.0
85°	40.0	59.9	48.0	42.0	30.0	30.0	34.0	24.0	20.0	10.0	10.0
87.5°	12.0	10.0	10.0	8.0	10.0	4.0	4.0	2.0	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)