

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: P510940

Luminaire Tested: **USSL-P-C016-D-U-T2**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510940
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-C016-D-U-T2
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 880mA LED AND TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6717 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

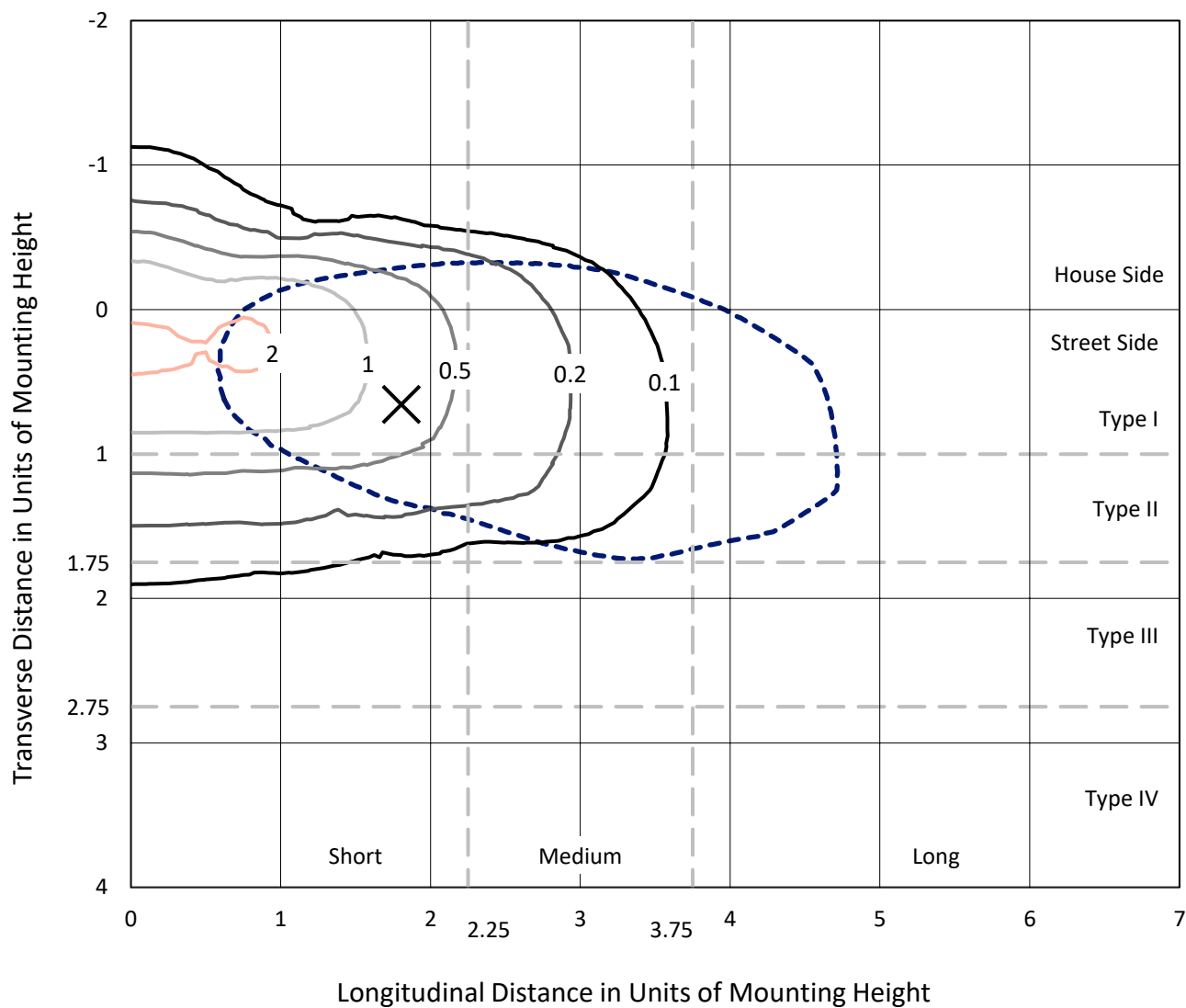
Input Watts (W): 49.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P510940
 CATALOG NUMBER: USSL-P-C016-D-U-T2

Iso-Footcandle Lines of Horizontal Illumination

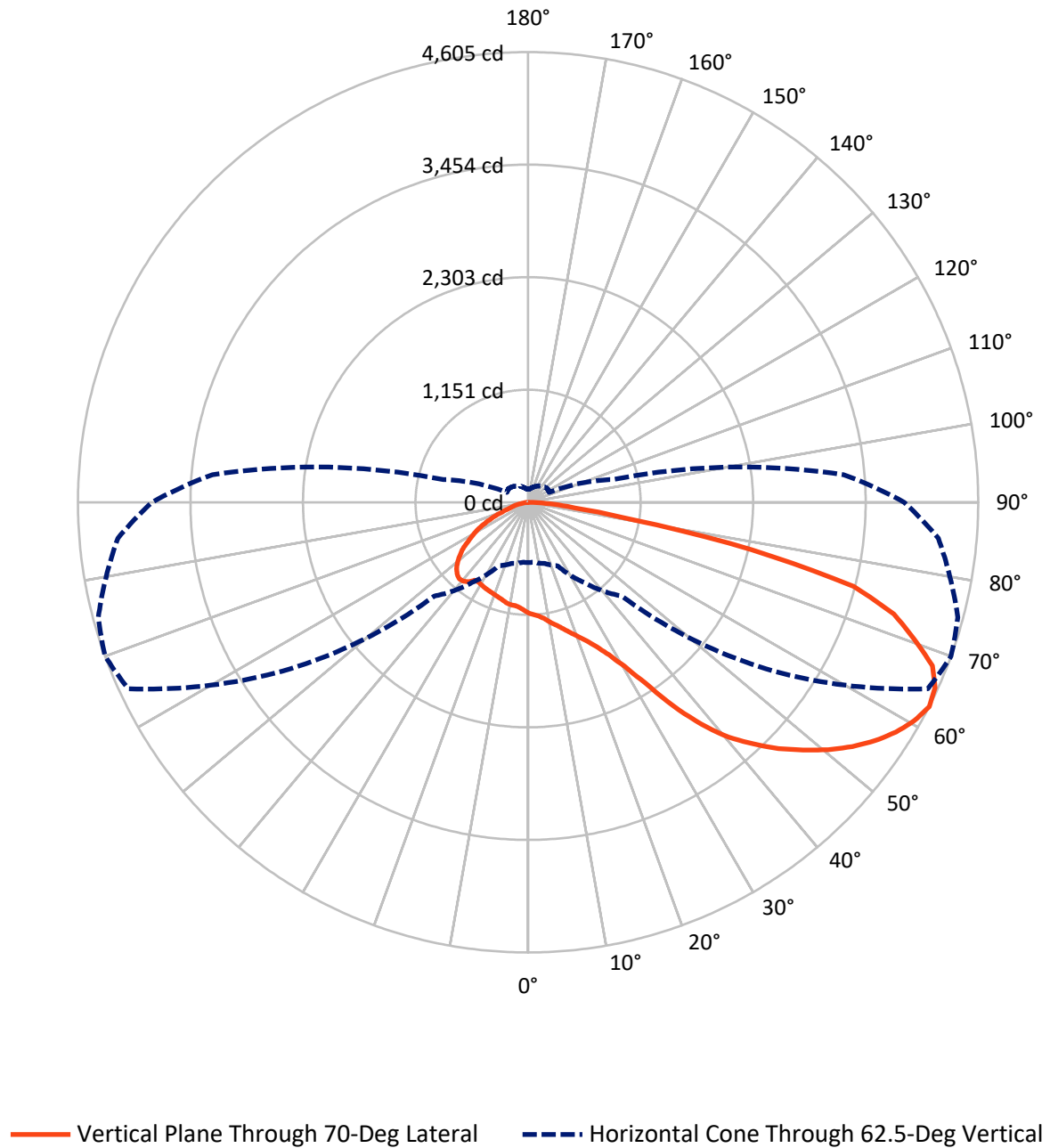
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Short - N/A

REPORT NUMBER: P510940
CATALOG NUMBER: USSL-P-C016-D-U-T2

Luminous Intensity Polar Plot



REPORT NUMBER: P510940

CATALOG NUMBER: USSL-P-C016-D-U-T2

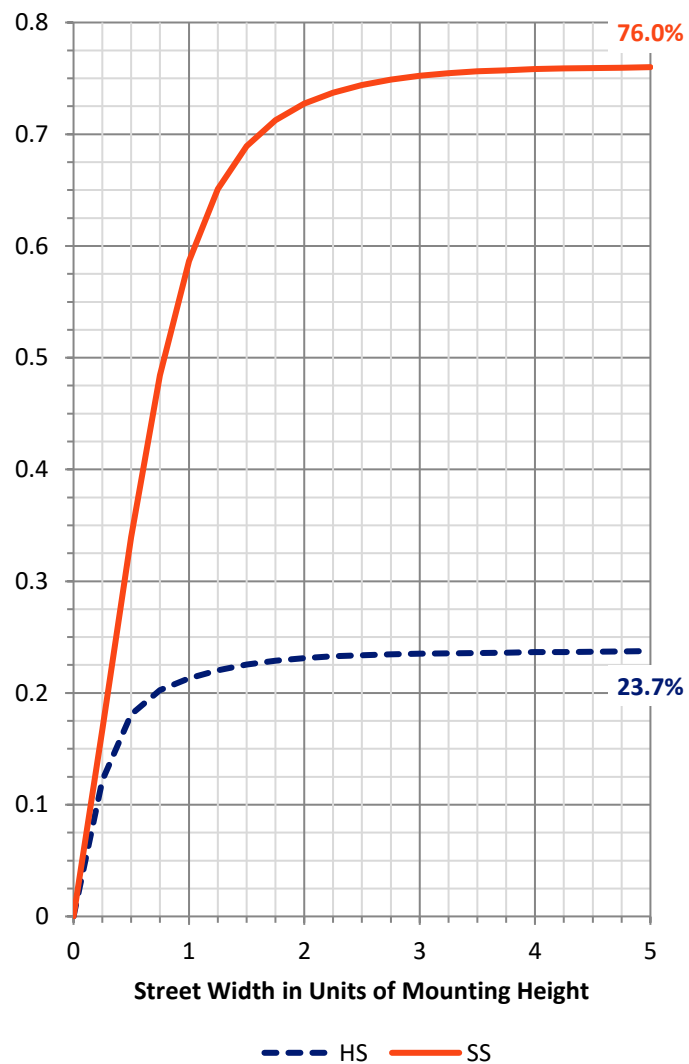
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1613.8	0.0	1613.8
	% Fixture	24.0	0.0	24.0
Street Side	Lumens	5103.2	0.0	5103.2
	% Fixture	76.0	0.0	76.0
Total	Lumens	6717.0	0.0	6717.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.8	1.6
10°-20°	333.6	5.0
20°-30°	567.3	8.4
30°-40°	857.7	12.8
40°-50°	1183.6	17.6
50°-60°	1382.1	20.6
60°-70°	1357.4	20.2
70°-80°	814.9	12.1
80°-90°	111.6	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°	6717.0	100.0
0°-180°	6717.0	100.0

Coefficient of Utilization



REPORT NUMBER: P510940

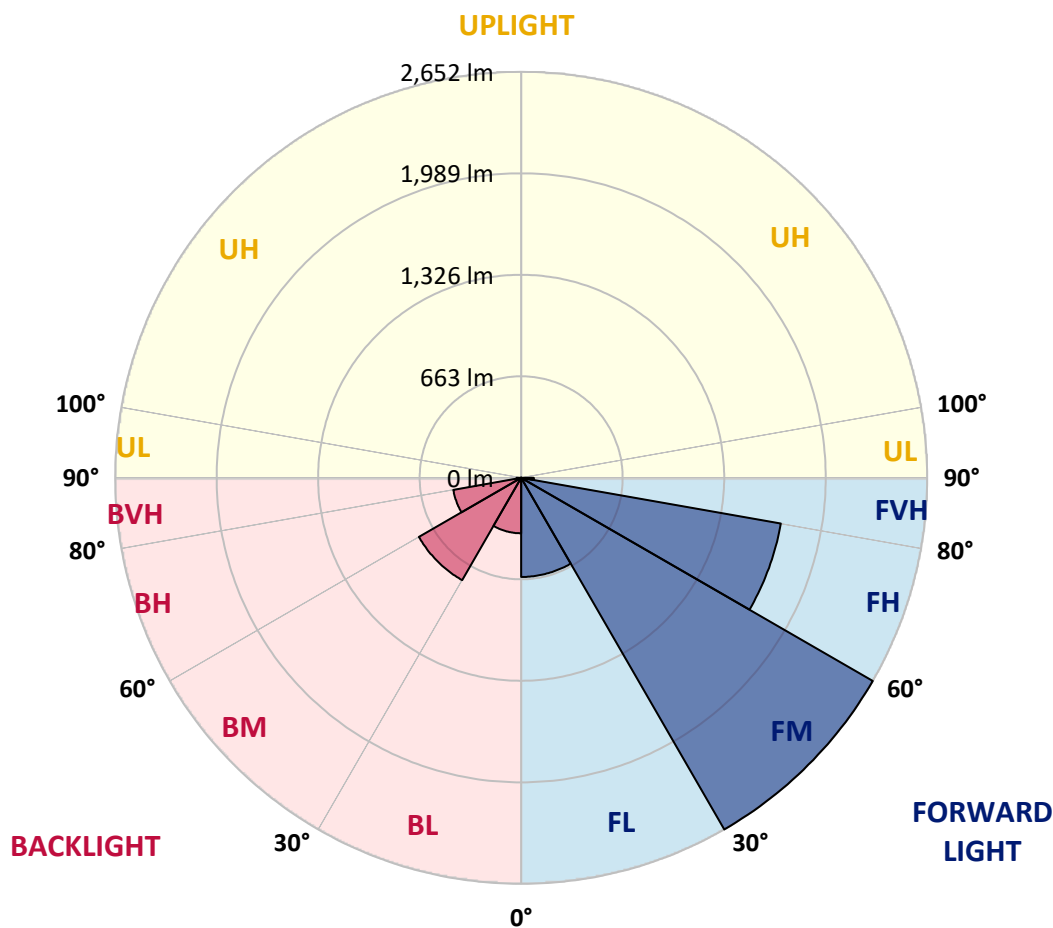
CATALOG NUMBER: USSL-P-C016-D-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	647.3	9.6			
FM	(30°-60°)	2651.6	39.5			
FH	(60°-80°)	1721.9	25.6			G1/1800
FVH	(80°-90°)	82.3	1.2			G1/100
BL	(0°-30°)	362.3	5.4	B1/500		
BM	(30°-60°)	771.8	11.5	B1/1000		
BH	(60°-80°)	450.3	6.7	B1/500		G1/500
BVH	(80°-90°)	29.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



REPORT NUMBER: P510940

CATALOG NUMBER: USSL-P-C016-D-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1133.7	1133.7	1133.7	1133.7	1133.7	1133.7	1133.7	1133.7	1133.7	1133.7	1133.7
2.5°	1201.2	1202.6	1194.2	1190.0	1184.3	1180.1	1168.9	1159.0	1152.0	1146.4	1135.1
5°	1268.7	1267.3	1258.9	1243.4	1233.6	1219.5	1195.6	1178.7	1168.9	1157.6	1135.1
7.5°	1336.2	1330.6	1322.2	1308.1	1295.4	1275.8	1250.4	1216.7	1202.6	1184.3	1149.2
10°	1392.5	1392.5	1389.7	1377.0	1363.0	1336.2	1310.9	1271.5	1247.6	1220.9	1170.3
12.5°	1448.8	1447.4	1438.9	1431.9	1417.8	1393.9	1364.4	1320.8	1289.8	1261.7	1192.8
15°	1506.4	1503.6	1493.8	1483.9	1464.2	1446.0	1416.4	1375.6	1341.9	1306.7	1219.5
17.5°	1566.9	1562.7	1550.0	1544.4	1521.9	1503.6	1479.7	1436.1	1400.9	1358.7	1257.5
20°	1611.9	1610.5	1599.3	1596.5	1585.2	1564.1	1545.8	1507.8	1465.6	1420.6	1301.1
22.5°	1647.1	1647.1	1644.3	1649.9	1654.1	1640.1	1616.1	1583.8	1538.8	1495.2	1357.3
25°	1672.4	1672.4	1682.3	1699.1	1723.0	1721.6	1710.4	1678.0	1640.1	1590.8	1429.1
27.5°	1680.8	1682.3	1696.3	1739.9	1793.4	1808.8	1803.2	1794.8	1768.1	1707.6	1527.5
30°	1680.8	1682.3	1711.8	1773.7	1859.5	1900.3	1917.2	1955.1	1946.7	1901.7	1694.9
32.5°	1656.9	1659.8	1697.7	1784.9	1904.5	1981.9	2043.7	2167.5	2204.1	2212.5	2004.4
35°	1569.7	1576.8	1638.7	1769.5	1941.1	2081.7	2206.9	2448.8	2558.5	2568.4	2334.9
37.5°	1493.8	1498.0	1582.4	1738.5	1963.6	2173.1	2382.7	2762.5	2880.7	2879.2	2590.9
40°	1422.0	1430.5	1510.7	1689.3	1960.8	2253.3	2561.4	3043.8	3162.0	3115.5	2806.1
42.5°	1340.5	1350.3	1427.7	1627.4	1942.5	2326.5	2734.4	3302.6	3378.6	3351.9	3019.9
45°	1253.3	1257.5	1337.6	1526.1	1900.3	2371.5	2900.3	3530.5	3593.8	3544.6	3209.8
47.5°	1174.5	1180.1	1247.6	1424.9	1820.1	2385.5	3046.6	3733.0	3786.5	3745.7	3380.0
50°	934.0	950.8	1149.2	1333.4	1701.9	2356.0	3184.5	3914.5	3977.8	3924.3	3558.6
52.5°	806.0	815.8	894.6	1239.2	1544.4	2277.2	3281.5	4097.3	4152.2	4081.9	3713.3
55°	753.9	755.3	801.7	1059.1	1415.0	2143.6	3339.2	4263.3	4305.5	4236.6	3868.1
57.5°	707.5	714.5	755.3	863.6	1289.8	1901.7	3342.0	4388.5	4436.3	4350.5	3994.7
60°	655.5	661.1	707.5	780.6	1146.4	1588.0	3225.3	4496.8	4539.0	4465.9	4119.8
62.5°	614.7	616.1	647.0	717.4	1002.9	1357.3	2970.7	4512.3	4605.1	4551.7	4212.7
65°	565.4	568.3	599.2	661.1	886.1	1180.1	2683.7	4425.1	4575.6	4577.0	4263.3
67.5°	502.1	503.6	537.3	599.2	766.6	1043.7	2211.1	4335.0	4460.2	4484.1	4162.0
70°	417.8	426.2	455.7	514.8	649.8	883.3	1680.8	4083.3	4191.6	4253.5	3899.0
72.5°	316.5	330.5	367.1	429.0	521.8	739.9	1181.5	3695.1	3913.1	3956.7	3513.6
75°	66.1	67.5	109.7	226.5	422.0	573.9	810.2	2810.3	3441.9	3515.0	2986.1
77.5°	29.5	32.4	50.6	76.0	136.4	369.9	530.3	1474.1	2337.7	2744.2	2357.4
80°	22.5	23.9	40.8	60.5	84.4	111.1	261.6	810.2	1085.9	1517.7	1586.6
82.5°	12.7	14.1	26.7	43.6	53.4	50.6	108.3	351.6	486.7	616.1	773.6
85°	7.0	8.4	15.5	23.9	22.5	25.3	47.8	187.1	277.1	365.7	391.0
87.5°	2.8	4.2	5.6	8.4	8.4	7.0	8.4	35.2	50.6	47.8	33.8
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: P510940

CATALOG NUMBER: USSL-P-C016-D-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1133.7	1133.7	1133.7	1133.7	1133.7	1133.7	1133.7	1133.7	1133.7	1133.7	1133.7
2.5°	1129.5	1122.4	1111.2	1099.9	1090.1	1081.7	1073.2	1070.4	1069.0	1069.0	1074.6
5°	1123.8	1112.6	1090.1	1070.4	1050.7	1036.6	1025.4	1014.1	1014.1	1011.3	1011.3
7.5°	1130.9	1114.0	1080.2	1050.7	1025.4	1005.7	993.0	980.4	973.3	971.9	971.9
10°	1144.9	1123.8	1081.7	1043.7	1011.3	980.4	960.7	941.0	929.7	924.1	925.5
12.5°	1159.0	1128.1	1076.0	1029.6	986.0	946.6	912.9	884.7	872.1	873.5	873.5
15°	1173.1	1135.1	1062.0	1004.3	950.8	900.2	866.4	836.9	818.6	815.8	820.0
17.5°	1201.2	1149.2	1056.3	980.4	914.3	855.2	822.8	798.9	765.2	765.2	762.4
20°	1235.0	1173.1	1057.7	955.1	876.3	808.8	770.8	748.3	718.8	701.9	697.7
22.5°	1278.6	1205.4	1060.6	931.1	835.5	761.0	710.3	682.2	661.1	637.2	633.0
25°	1340.5	1244.8	1067.6	907.2	791.9	706.1	641.4	604.8	580.9	554.2	552.8
27.5°	1409.4	1289.8	1074.6	883.3	741.3	637.2	555.6	514.8	495.1	482.5	478.2
30°	1524.7	1364.4	1084.5	855.2	680.8	547.2	467.0	441.7	426.2	398.1	403.7
32.5°	1814.5	1559.9	1095.7	822.8	618.9	467.0	407.9	377.0	348.8	327.7	326.3
35°	2094.4	1811.7	1150.6	786.3	542.9	391.0	353.0	309.4	275.7	265.8	265.8
37.5°	2340.5	2021.2	1284.2	752.5	468.4	350.2	294.0	260.2	239.1	225.1	241.9
40°	2558.5	2232.2	1384.1	704.7	388.2	301.0	236.3	225.1	212.4	209.6	211.0
42.5°	2751.2	2398.2	1461.4	644.2	330.5	246.1	205.4	215.2	213.8	212.4	206.8
45°	2941.1	2564.2	1510.7	557.0	282.7	209.6	202.5	218.0	219.4	219.4	213.8
47.5°	3102.9	2706.2	1541.6	458.5	241.9	208.2	208.2	211.0	219.4	222.2	219.4
50°	3266.1	2835.6	1540.2	357.3	239.1	218.0	211.0	204.0	211.0	204.0	202.5
52.5°	3425.0	2949.6	1479.7	291.2	247.6	230.7	212.4	199.7	188.5	188.5	182.9
55°	3554.4	3045.2	1363.0	272.9	256.0	237.7	213.8	195.5	180.0	167.4	174.4
57.5°	3672.6	3139.5	1190.0	265.8	256.0	236.3	213.8	191.3	173.0	154.7	146.3
60°	3782.3	3219.6	1042.3	253.2	254.6	230.7	208.2	185.7	160.3	142.1	136.4
62.5°	3847.0	3240.7	897.4	239.1	243.3	225.1	204.0	180.0	154.7	135.0	132.2
65°	3831.5	3181.7	721.6	223.6	233.5	218.0	196.9	170.2	144.9	125.2	119.6
67.5°	3682.4	2953.8	554.2	201.1	218.0	208.2	185.7	139.3	84.4	68.9	70.3
70°	3354.7	2657.0	392.4	171.6	191.3	188.5	142.1	94.2	67.5	53.4	57.7
72.5°	2969.3	2298.3	271.5	135.0	144.9	132.2	108.3	81.6	57.7	45.0	45.0
75°	2472.7	1841.2	204.0	109.7	76.0	91.4	92.8	71.7	57.7	67.5	74.5
77.5°	1929.8	1361.6	161.8	87.2	33.8	50.6	67.5	60.5	102.7	106.9	99.9
80°	1295.4	919.9	126.6	29.5	18.3	21.1	40.8	83.0	85.8	47.8	45.0
82.5°	717.4	479.6	53.4	16.9	9.8	11.3	21.1	108.3	56.3	43.6	42.2
85°	330.5	202.5	19.7	8.4	5.6	5.6	5.6	18.3	11.3	8.4	11.3
87.5°	25.3	15.5	4.2	2.8	2.8	1.4	0.0	1.4	1.4	1.4	1.4
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)