

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: P691442

Luminaire Tested: **CRTK2-C016-5TLD-U-T3-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691442
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-11)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-5TLD-U-T3-8027-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5313 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 42.8
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

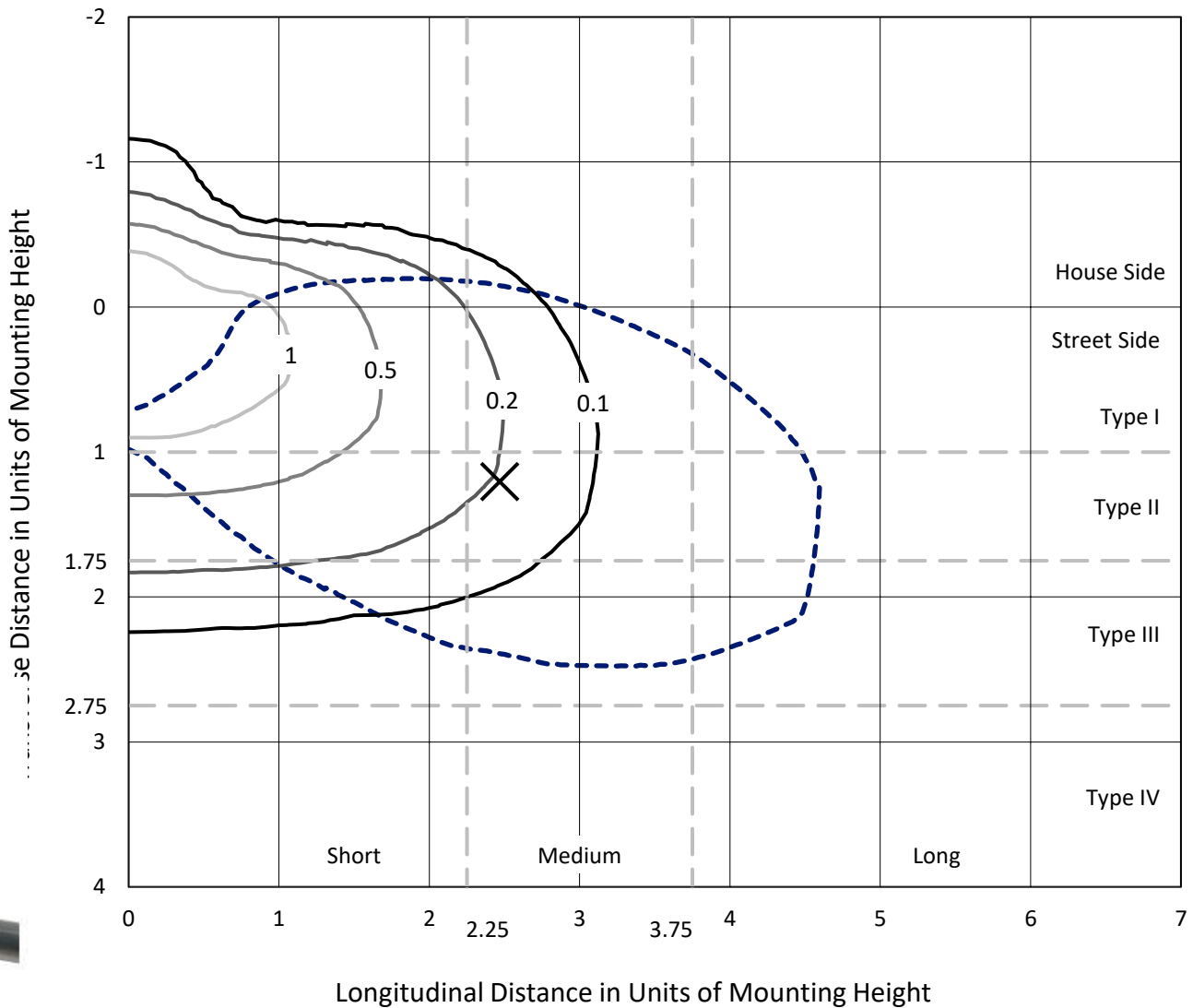


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

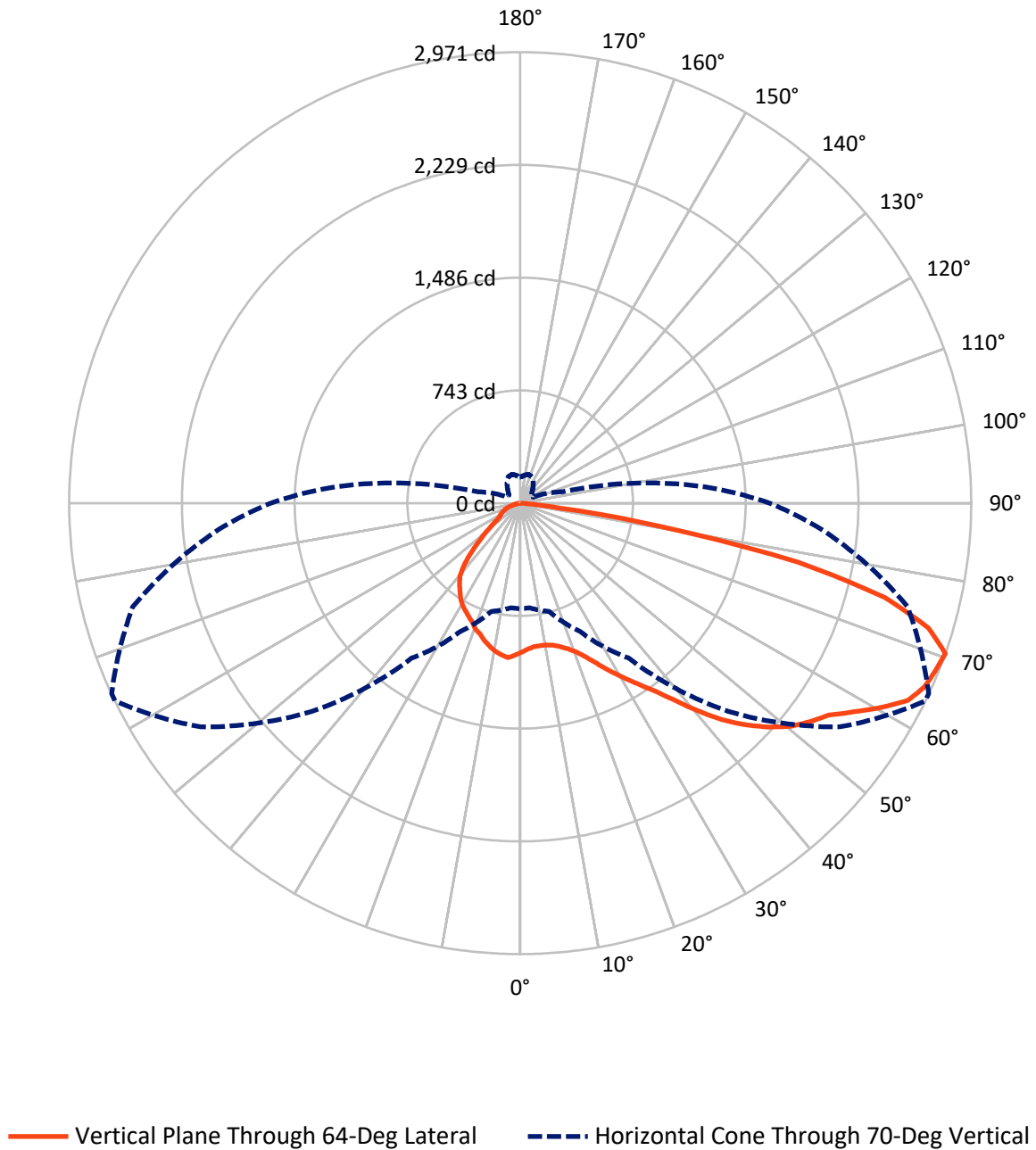


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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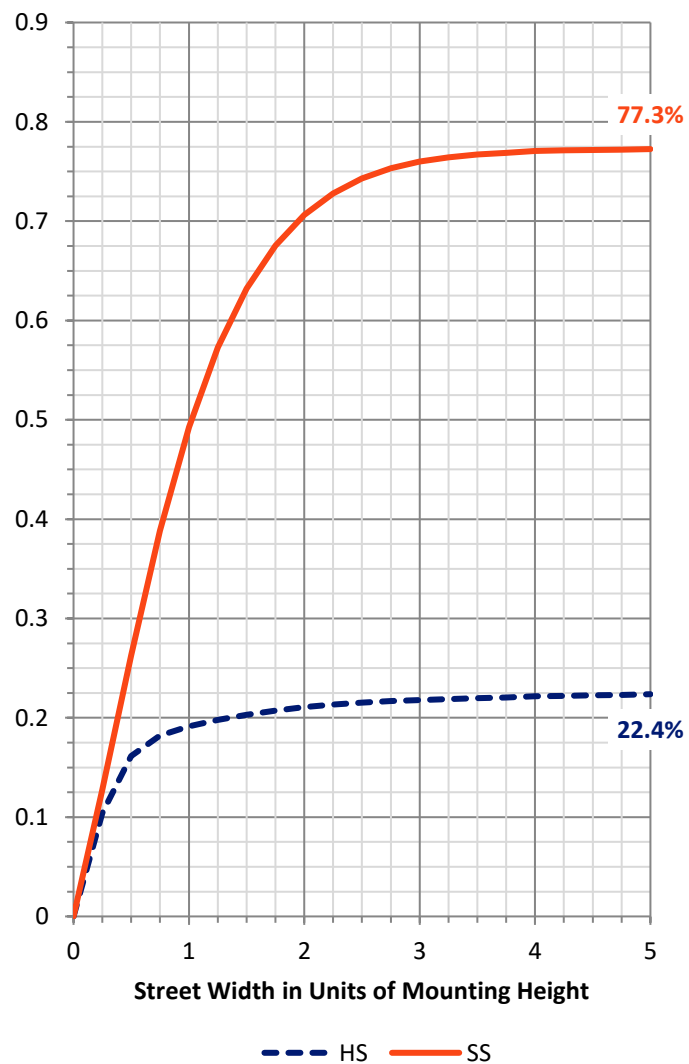
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1206.9	0.0	1206.9
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	4106.1	0.0	4106.1
	% Fixture	77.3	0.0	77.3
Total	Lumens	5313.0	0.0	5313.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.5	1.8
10°-20°	277.1	5.2
20°-30°	459.9	8.7
30°-40°	657.9	12.4
40°-50°	878.5	16.5
50°-60°	1061.7	20.0
60°-70°	1129.9	21.3
70°-80°	694.1	13.1
80°-90°	59.4	1.1
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°	5313.0	100.0
0°-180°	5313.0	100.0

Coefficient of Utilization



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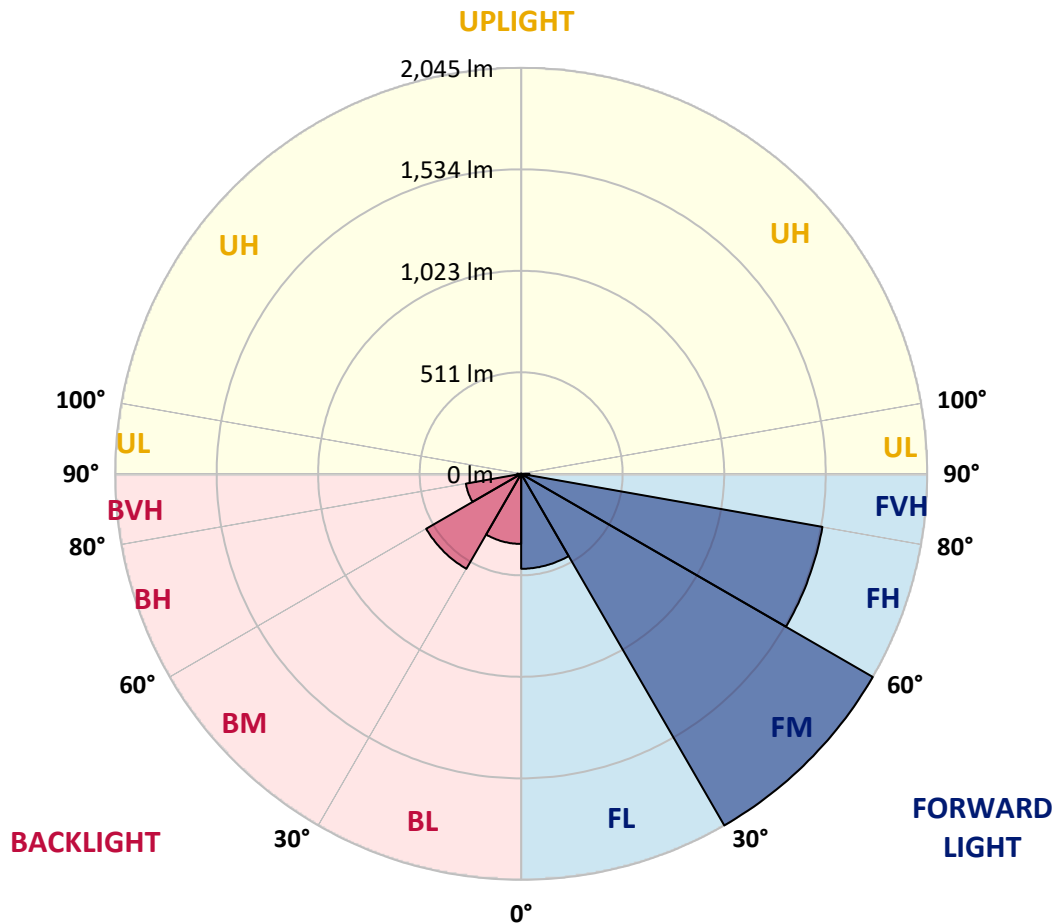
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	478.4	9.0			
FM	(30°-60°)	2045.4	38.5			
FH	(60°-80°)	1541.0	29.0			G1/1800
FVH	(80°-90°)	41.3	0.8			G1/100
BL	(0°-30°)	353.1	6.6	B1/500		
BM	(30°-60°)	552.6	10.4	B1/1000		
BH	(60°-80°)	283.1	5.3	B1/500		G1/500
BVH	(80°-90°)	18.2	0.3			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	982.7	982.7	982.7	982.7	982.7	982.7	982.7	982.7	982.7	982.7	982.7
2.5°	959.2	959.2	959.2	959.2	961.0	962.8	961.0	962.8	962.8	966.4	971.8
5°	975.4	975.4	971.8	964.6	959.2	951.9	948.3	950.1	950.1	959.2	973.6
7.5°	980.8	980.8	977.2	977.2	971.8	955.6	950.1	948.3	950.1	953.8	973.6
10°	1007.9	1006.1	997.1	986.3	979.0	964.6	951.9	950.1	951.9	957.4	979.0
12.5°	1036.8	1036.8	1033.2	1024.2	1004.3	989.9	968.2	961.0	959.2	964.6	977.2
15°	1094.6	1087.4	1073.0	1060.3	1045.9	1022.4	993.5	980.8	977.2	984.5	979.0
17.5°	1129.0	1123.5	1125.4	1105.5	1092.8	1060.3	1031.4	1007.9	1006.1	1013.4	989.9
20°	1166.9	1165.1	1168.7	1166.9	1147.0	1118.1	1073.0	1044.1	1040.5	1042.3	1006.1
22.5°	1224.7	1224.7	1222.9	1222.9	1212.1	1177.7	1127.2	1098.3	1092.8	1080.2	1033.2
25°	1287.9	1287.9	1287.9	1291.5	1291.5	1251.8	1201.2	1168.7	1165.1	1147.0	1078.4
27.5°	1347.5	1351.1	1353.0	1354.8	1360.2	1342.1	1286.1	1248.2	1246.4	1222.9	1138.0
30°	1394.5	1396.3	1412.6	1416.2	1427.0	1421.6	1367.4	1331.3	1334.9	1304.2	1204.8
32.5°	1436.0	1437.9	1461.3	1474.0	1486.6	1488.4	1443.3	1418.0	1418.0	1390.9	1286.1
35°	1475.8	1477.6	1506.5	1537.2	1562.5	1555.3	1530.0	1515.5	1520.9	1511.9	1398.1
37.5°	1510.1	1517.3	1555.3	1600.4	1629.3	1634.7	1623.9	1643.8	1654.6	1669.1	1549.8
40°	1542.6	1546.2	1582.4	1629.3	1678.1	1703.4	1716.0	1797.3	1808.2	1819.0	1636.5
42.5°	1511.9	1519.1	1596.8	1667.3	1728.7	1772.0	1831.6	1950.9	1974.3	1914.7	1754.0
45°	1475.8	1484.8	1562.5	1681.7	1768.4	1847.9	1958.1	2084.5	2102.6	2012.3	1817.2
47.5°	1445.1	1455.9	1535.4	1669.1	1810.0	1950.9	2061.0	2203.7	2214.6	2095.4	1903.9
50°	1410.8	1419.8	1504.7	1652.8	1831.6	2044.8	2169.4	2312.1	2315.7	2164.0	1949.0
52.5°	1365.6	1374.6	1461.3	1627.5	1847.9	2108.0	2259.7	2391.6	2377.2	2252.5	2001.4
55°	1307.8	1320.4	1414.4	1593.2	1856.9	2145.9	2321.2	2465.7	2458.4	2357.3	2070.1
57.5°	1246.4	1259.0	1354.8	1546.2	1847.9	2169.4	2384.4	2593.9	2592.1	2442.2	2120.7
60°	1177.7	1188.6	1269.9	1484.8	1799.1	2207.4	2523.5	2733.0	2747.5	2537.9	2140.5
62.5°	1087.4	1089.2	1170.5	1396.3	1735.9	2234.5	2622.8	2864.9	2855.8	2601.1	2144.1
65°	968.2	973.6	1045.9	1273.5	1632.9	2212.8	2648.1	2924.5	2924.5	2648.1	2140.5
67.5°	852.6	850.8	912.2	1119.9	1474.0	2117.0	2626.4	2949.8	2962.4	2678.8	2093.6
70°	695.4	691.8	738.8	932.1	1246.4	1940.0	2570.4	2971.4	2969.6	2642.7	1994.2
72.5°	514.8	513.0	545.5	706.3	953.8	1660.0	2404.2	2812.5	2794.4	2469.3	1800.9
75°	285.4	271.0	269.1	437.1	554.5	1163.3	2043.0	2480.1	2487.3	2182.1	1508.3
77.5°	41.5	43.4	45.2	79.5	95.7	435.3	1327.7	1869.6	1866.0	1683.5	1100.1
80°	28.9	30.7	32.5	39.7	45.2	103.0	458.8	942.9	997.1	885.1	507.6
82.5°	21.7	21.7	23.5	27.1	25.3	47.0	142.7	261.9	271.0	245.7	149.9
85°	14.5	14.5	12.6	14.5	9.0	12.6	32.5	48.8	52.4	50.6	41.5
87.5°	7.2	7.2	5.4	5.4	3.6	3.6	3.6	1.8	3.6	1.8	3.6
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°	982.7	982.7	982.7	982.7	982.7	982.7	982.7	982.7	982.7	982.7	982.7
2.5°	977.2	980.8	991.7	1000.7	1011.6	1024.2	1031.4	1038.6	1045.9	1042.3	1047.7
5°	980.8	988.1	1004.3	1020.6	1029.6	1031.4	1033.2	1038.6	1049.5	1049.5	1058.5
7.5°	984.5	997.1	997.1	1006.1	1018.8	1022.4	1024.2	1027.8	1033.2	1035.0	1033.2
10°	984.5	979.0	988.1	989.9	984.5	993.5	998.9	997.1	1002.5	1004.3	1004.3
12.5°	973.6	971.8	964.6	964.6	962.8	948.3	948.3	962.8	962.8	971.8	973.6
15°	973.6	959.2	950.1	937.5	924.8	919.4	912.2	901.4	905.0	917.6	921.2
17.5°	971.8	955.6	928.5	903.2	894.1	872.5	865.2	865.2	863.4	870.7	872.5
20°	979.0	955.6	914.0	885.1	836.3	829.1	814.7	816.5	818.3	807.4	802.0
22.5°	998.9	970.0	903.2	847.2	809.2	776.7	749.6	731.6	729.8	724.3	729.8
25°	1029.6	995.3	905.0	825.5	764.1	717.1	699.1	655.7	635.8	637.6	648.5
27.5°	1085.6	1026.0	914.0	802.0	728.0	661.1	603.3	576.2	554.5	554.5	558.2
30°	1138.0	1073.0	910.4	782.1	672.0	588.9	514.8	471.5	464.2	457.0	455.2
32.5°	1235.5	1132.6	946.5	753.2	619.6	496.7	422.7	363.1	368.5	370.3	373.9
35°	1333.1	1228.3	953.8	717.1	543.7	404.6	326.9	294.4	308.9	312.5	316.1
37.5°	1463.1	1347.5	1002.5	684.6	466.0	310.7	260.1	245.7	260.1	260.1	261.9
40°	1533.6	1403.5	1042.3	652.1	364.9	229.4	204.1	193.3	211.3	225.8	229.4
42.5°	1632.9	1475.8	1078.4	587.1	258.3	171.6	157.2	178.8	207.7	222.2	224.0
45°	1683.5	1511.9	1065.7	500.4	169.8	139.1	153.5	180.6	209.5	224.0	225.8
47.5°	1752.2	1562.5	1040.5	399.2	135.5	137.3	155.3	186.1	215.0	227.6	229.4
50°	1819.0	1614.9	975.4	317.9	130.1	137.3	159.0	187.9	213.1	222.2	220.4
52.5°	1856.9	1663.6	892.3	242.1	130.1	139.1	162.6	191.5	211.3	213.1	213.1
55°	1891.2	1669.1	823.7	187.9	128.3	140.9	166.2	195.1	213.1	213.1	209.5
57.5°	1912.9	1647.4	771.3	162.6	128.3	140.9	166.2	195.1	222.2	227.6	222.2
60°	1903.9	1605.8	735.2	151.7	124.6	139.1	164.4	200.5	272.8	285.4	274.6
62.5°	1882.2	1582.4	657.5	139.1	119.2	133.7	160.8	216.8	292.6	294.4	285.4
65°	1862.3	1504.7	563.6	124.6	112.0	128.3	155.3	220.4	247.5	238.4	236.6
67.5°	1772.0	1403.5	429.9	110.2	101.2	121.0	149.9	202.3	220.4	209.5	205.9
70°	1643.8	1226.5	287.2	93.9	90.3	112.0	149.9	189.7	196.9	178.8	171.6
72.5°	1408.9	1015.2	157.2	75.9	75.9	103.0	135.5	177.0	182.4	160.8	148.1
75°	1147.0	735.2	101.2	57.8	57.8	86.7	122.8	168.0	178.8	155.3	139.1
77.5°	789.4	402.8	70.4	41.5	37.9	66.8	97.5	137.3	159.0	133.7	113.8
80°	267.3	106.6	45.2	27.1	23.5	37.9	65.0	106.6	144.5	137.3	122.8
82.5°	104.8	66.8	30.7	18.1	16.3	18.1	32.5	66.8	115.6	124.6	144.5
85°	30.7	18.1	10.8	9.0	9.0	9.0	9.0	27.1	68.6	90.3	113.8
87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	16.3	28.9	37.9
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)