

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: P691718

Luminaire Tested: **CRTK2-C018-D-U-T3-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691718
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-C018-D-U-T3-8027-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5899 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

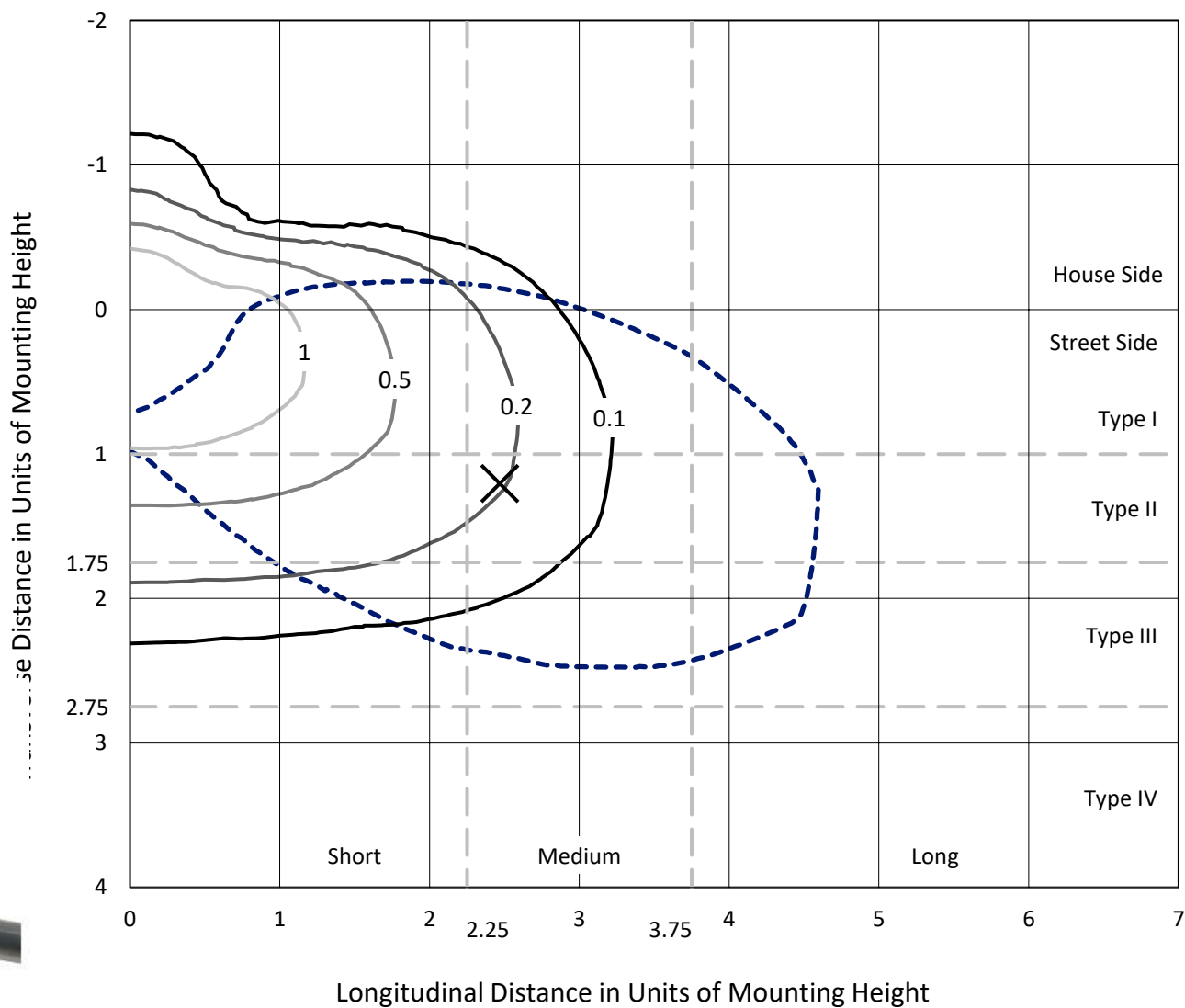
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

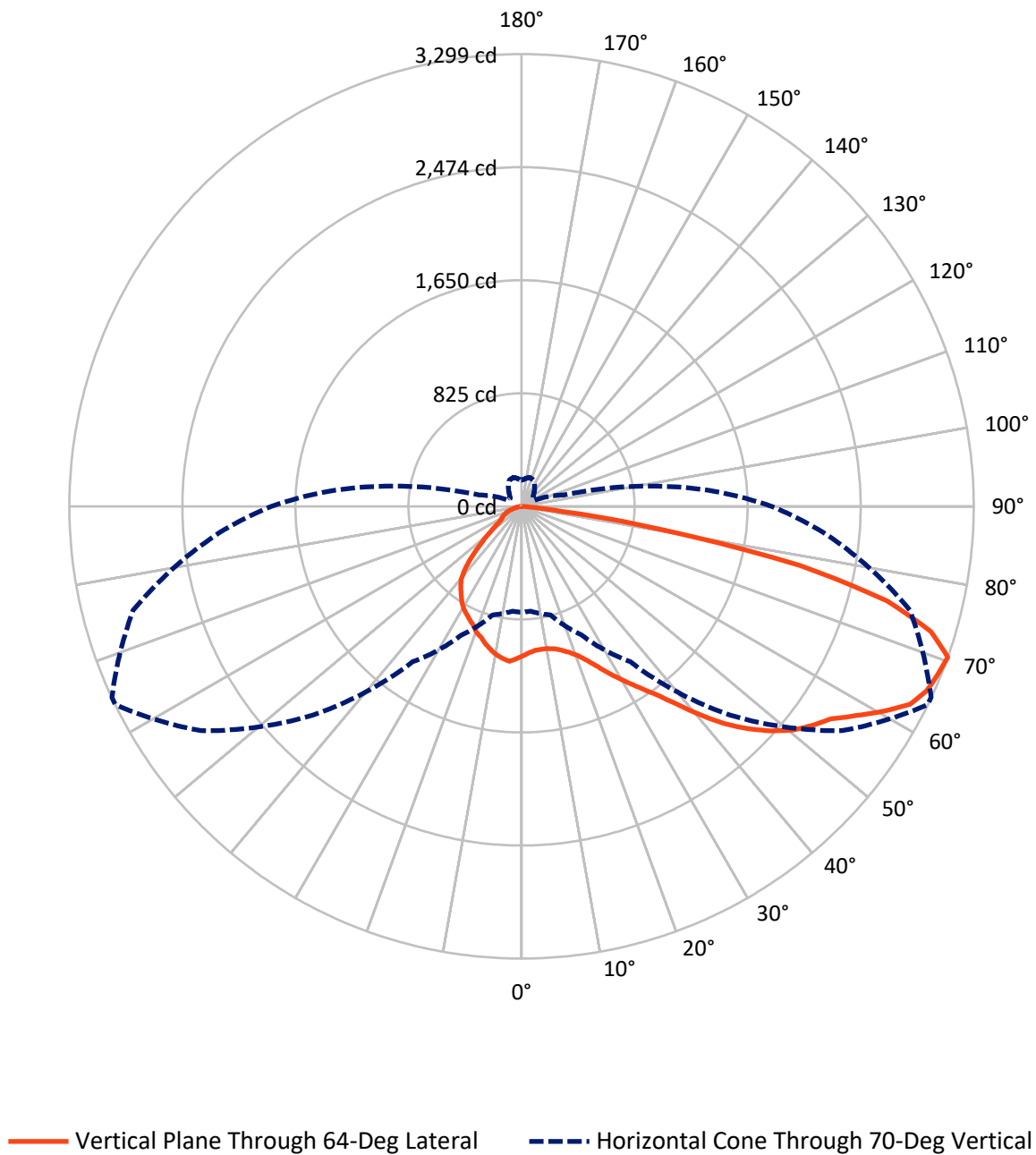
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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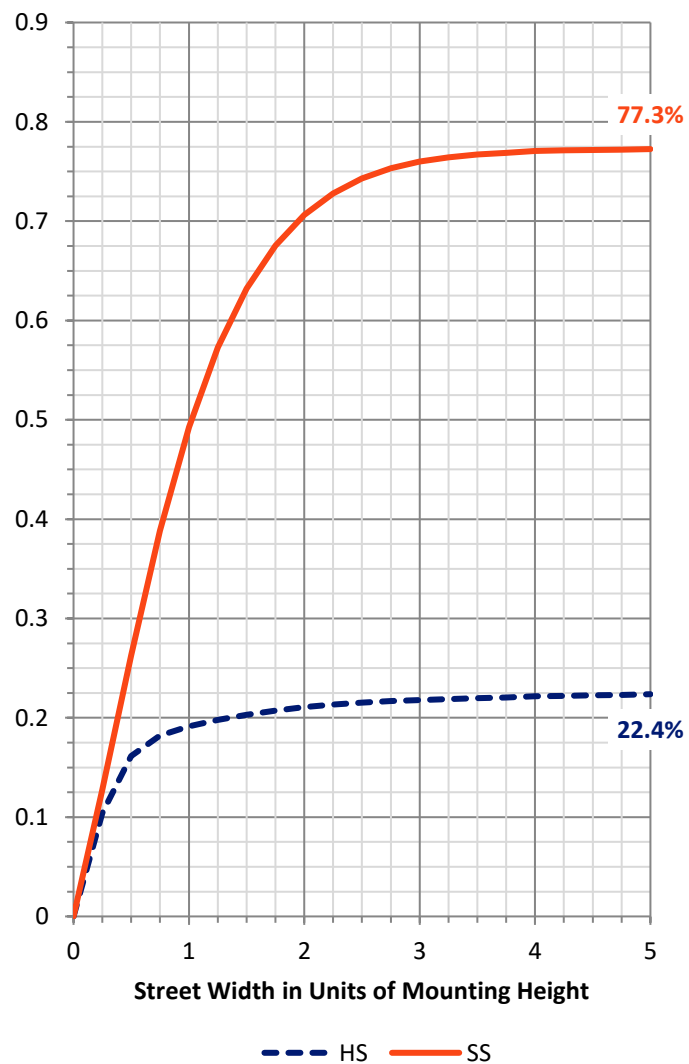
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1340.0	0.0	1340.0
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	4558.9	0.0	4558.9
	% Fixture	77.3	0.0	77.3
Total	Lumens	5899.0	0.0	5899.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.0	1.8
10°-20°	307.6	5.2
20°-30°	510.6	8.7
30°-40°	730.4	12.4
40°-50°	975.4	16.5
50°-60°	1178.8	20.0
60°-70°	1254.5	21.3
70°-80°	770.7	13.1
80°-90°	66.0	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°	5899.0	100.0
0°-180°	5899.0	100.0

Coefficient of Utilization



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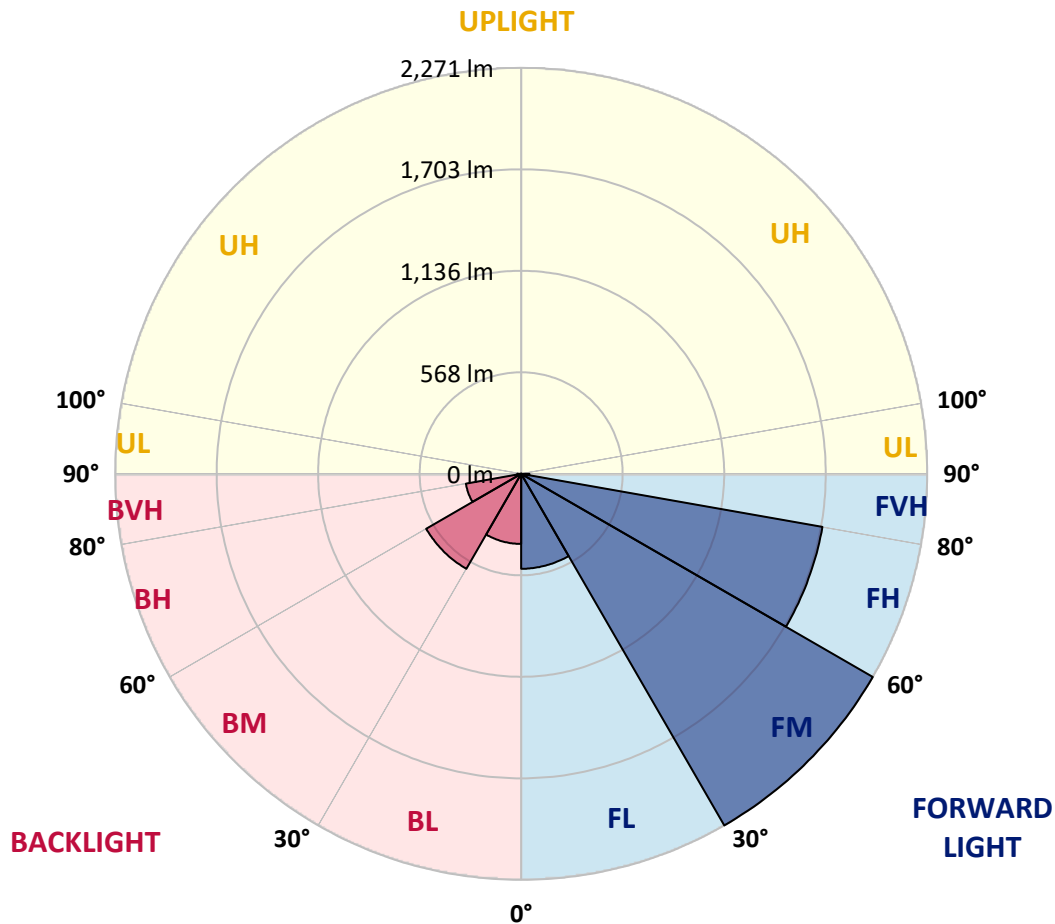
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	531.2	9.0			
FM	(30°-60°)	2271.0	38.5			
FH	(60°-80°)	1710.9	29.0			G1/1800
FVH	(80°-90°)	45.8	0.8			G1/100
BL	(0°-30°)	392.1	6.6	B1/500		
BM	(30°-60°)	613.6	10.4	B1/1000		
BH	(60°-80°)	314.3	5.3	B1/500		G1/500
BVH	(80°-90°)	20.2	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°	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0
2.5°	1065.0	1065.0	1065.0	1065.0	1067.0	1069.0	1067.0	1069.0	1069.0	1073.0	1079.0
5°	1083.0	1083.0	1079.0	1071.0	1065.0	1056.9	1052.9	1054.9	1054.9	1065.0	1081.0
7.5°	1089.0	1089.0	1085.0	1085.0	1079.0	1061.0	1054.9	1052.9	1054.9	1058.9	1081.0
10°	1119.1	1117.1	1107.1	1095.0	1087.0	1071.0	1056.9	1054.9	1056.9	1063.0	1087.0
12.5°	1151.2	1151.2	1147.2	1137.2	1115.1	1099.1	1075.0	1067.0	1065.0	1071.0	1085.0
15°	1215.4	1207.4	1191.3	1177.3	1161.2	1135.2	1103.1	1089.0	1085.0	1093.0	1087.0
17.5°	1253.5	1247.5	1249.5	1227.4	1213.4	1177.3	1145.2	1119.1	1117.1	1125.1	1099.1
20°	1295.6	1293.6	1297.6	1295.6	1273.5	1241.5	1191.3	1159.2	1155.2	1157.2	1117.1
22.5°	1359.8	1359.8	1357.8	1357.8	1345.7	1307.6	1251.5	1219.4	1213.4	1199.3	1147.2
25°	1430.0	1430.0	1430.0	1434.0	1434.0	1389.9	1333.7	1297.6	1293.6	1273.5	1197.3
27.5°	1496.2	1500.2	1502.2	1504.2	1510.2	1490.1	1428.0	1385.9	1383.8	1357.8	1263.5
30°	1548.3	1550.3	1568.4	1572.4	1584.4	1578.4	1518.2	1478.1	1482.1	1448.0	1337.7
32.5°	1594.4	1596.4	1622.5	1636.6	1650.6	1652.6	1602.5	1574.4	1574.4	1544.3	1428.0
35°	1638.6	1640.6	1672.7	1706.7	1734.8	1726.8	1698.7	1682.7	1688.7	1678.7	1552.3
37.5°	1676.7	1684.7	1726.8	1776.9	1809.0	1815.0	1803.0	1825.1	1837.1	1853.2	1720.8
40°	1712.8	1716.8	1756.9	1809.0	1863.2	1891.3	1905.3	1995.6	2007.6	2019.6	1817.1
42.5°	1678.7	1686.7	1772.9	1851.1	1919.3	1967.5	2033.7	2166.0	2192.1	2125.9	1947.4
45°	1638.6	1648.6	1734.8	1867.2	1963.5	2051.7	2174.0	2314.4	2334.5	2234.2	2017.6
47.5°	1604.5	1616.5	1704.7	1853.2	2009.6	2166.0	2288.4	2446.8	2458.8	2326.5	2113.9
50°	1566.4	1576.4	1670.6	1835.1	2033.7	2270.3	2408.7	2567.1	2571.2	2402.7	2164.0
52.5°	1516.2	1526.2	1622.5	1807.0	2051.7	2340.5	2509.0	2655.4	2639.3	2501.0	2222.2
55°	1452.0	1466.1	1570.4	1768.9	2061.7	2382.6	2577.2	2737.6	2729.6	2617.3	2298.4
57.5°	1383.8	1397.9	1504.2	1716.8	2051.7	2408.7	2647.4	2880.0	2878.0	2711.5	2354.5
60°	1307.6	1319.7	1409.9	1648.6	1997.6	2450.8	2801.8	3034.4	3050.5	2817.8	2376.6
62.5°	1207.4	1209.4	1299.6	1550.3	1927.4	2480.9	2912.1	3180.8	3170.8	2888.0	2380.6
65°	1075.0	1081.0	1161.2	1413.9	1813.0	2456.8	2940.2	3247.0	3247.0	2940.2	2376.6
67.5°	946.6	944.6	1012.8	1243.5	1636.6	2350.5	2916.1	3275.1	3289.1	2974.3	2324.5
70°	772.1	768.1	820.3	1034.9	1383.8	2154.0	2853.9	3299.2	3297.2	2934.2	2214.2
72.5°	571.6	569.6	605.7	784.2	1058.9	1843.1	2669.4	3122.7	3102.6	2741.6	1999.6
75°	316.9	300.8	298.8	485.3	615.7	1291.6	2268.3	2753.7	2761.7	2422.7	1674.7
77.5°	46.1	48.1	50.1	88.2	106.3	483.3	1474.1	2075.8	2071.8	1869.2	1221.4
80°	32.1	34.1	36.1	44.1	50.1	114.3	509.4	1046.9	1107.1	982.7	563.6
82.5°	24.1	24.1	26.1	30.1	28.1	52.1	158.4	290.8	300.8	272.8	166.5
85°	16.0	16.0	14.0	16.0	10.0	14.0	36.1	54.2	58.2	56.2	46.1
87.5°	8.0	8.0	6.0	6.0	4.0	4.0	4.0	2.0	4.0	2.0	4.0
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°	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0
2.5°	1085.0	1089.0	1101.1	1111.1	1123.1	1137.2	1145.2	1153.2	1161.2	1157.2	1163.2
5°	1089.0	1097.1	1115.1	1133.2	1143.2	1145.2	1147.2	1153.2	1165.2	1165.2	1175.3
7.5°	1093.0	1107.1	1107.1	1117.1	1131.1	1135.2	1137.2	1141.2	1147.2	1149.2	1147.2
10°	1093.0	1087.0	1097.1	1099.1	1093.0	1103.1	1109.1	1107.1	1113.1	1115.1	1115.1
12.5°	1081.0	1079.0	1071.0	1071.0	1069.0	1052.9	1052.9	1069.0	1069.0	1079.0	1081.0
15°	1081.0	1065.0	1054.9	1040.9	1026.9	1020.8	1012.8	1000.8	1004.8	1018.8	1022.8
17.5°	1079.0	1061.0	1030.9	1002.8	992.8	968.7	960.7	960.7	958.7	966.7	968.7
20°	1087.0	1061.0	1014.8	982.7	928.6	920.6	904.5	906.5	908.5	896.5	890.5
22.5°	1109.1	1077.0	1002.8	940.6	898.5	862.4	832.3	812.3	810.3	804.2	810.3
25°	1143.2	1105.1	1004.8	916.5	848.4	796.2	776.2	728.0	706.0	708.0	720.0
27.5°	1205.4	1139.2	1014.8	890.5	808.2	734.0	669.9	639.8	615.7	615.7	619.7
30°	1263.5	1191.3	1010.8	868.4	746.1	653.8	571.6	523.5	515.4	507.4	505.4
32.5°	1371.8	1257.5	1050.9	836.3	687.9	551.5	469.3	403.1	409.1	411.1	415.2
35°	1480.1	1363.8	1058.9	796.2	603.7	449.2	363.0	326.9	343.0	347.0	351.0
37.5°	1624.5	1496.2	1113.1	760.1	517.4	345.0	288.8	272.8	288.8	288.8	290.8
40°	1702.7	1558.3	1157.2	724.0	405.1	254.7	226.6	214.6	234.7	250.7	254.7
42.5°	1813.0	1638.6	1197.3	651.8	286.8	190.5	174.5	198.6	230.6	246.7	248.7
45°	1869.2	1678.7	1183.3	555.5	188.5	154.4	170.5	200.6	232.6	248.7	250.7
47.5°	1945.4	1734.8	1155.2	443.2	150.4	152.4	172.5	206.6	238.7	252.7	254.7
50°	2019.6	1793.0	1083.0	353.0	144.4	152.4	176.5	208.6	236.7	246.7	244.7
52.5°	2061.7	1847.1	990.8	268.7	144.4	154.4	180.5	212.6	234.7	236.7	236.7
55°	2099.8	1853.2	914.5	208.6	142.4	156.4	184.5	216.6	236.7	236.7	232.6
57.5°	2123.9	1829.1	856.4	180.5	142.4	156.4	184.5	216.6	246.7	252.7	246.7
60°	2113.9	1783.0	816.3	168.5	138.4	154.4	182.5	222.6	302.8	316.9	304.8
62.5°	2089.8	1756.9	730.0	154.4	132.4	148.4	178.5	240.7	324.9	326.9	316.9
65°	2067.8	1670.6	625.7	138.4	124.3	142.4	172.5	244.7	274.8	264.7	262.7
67.5°	1967.5	1558.3	477.3	122.3	112.3	134.4	166.5	224.6	244.7	232.6	228.6
70°	1825.1	1361.8	318.9	104.3	100.3	124.3	166.5	210.6	218.6	198.6	190.5
72.5°	1564.4	1127.1	174.5	84.2	84.2	114.3	150.4	196.5	202.6	178.5	164.5
75°	1273.5	816.3	112.3	64.2	64.2	96.3	136.4	186.5	198.6	172.5	154.4
77.5°	876.4	447.2	78.2	46.1	42.1	74.2	108.3	152.4	176.5	148.4	126.4
80°	296.8	118.3	50.1	30.1	26.1	42.1	72.2	118.3	160.4	152.4	136.4
82.5°	116.3	74.2	34.1	20.1	18.1	20.1	36.1	74.2	128.4	138.4	160.4
85°	34.1	20.1	12.0	10.0	10.0	10.0	10.0	30.1	76.2	100.3	126.4
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	18.1	32.1	42.1
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)