

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: P691210

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-7040-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691210
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T2-7040-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4736 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 32.7
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



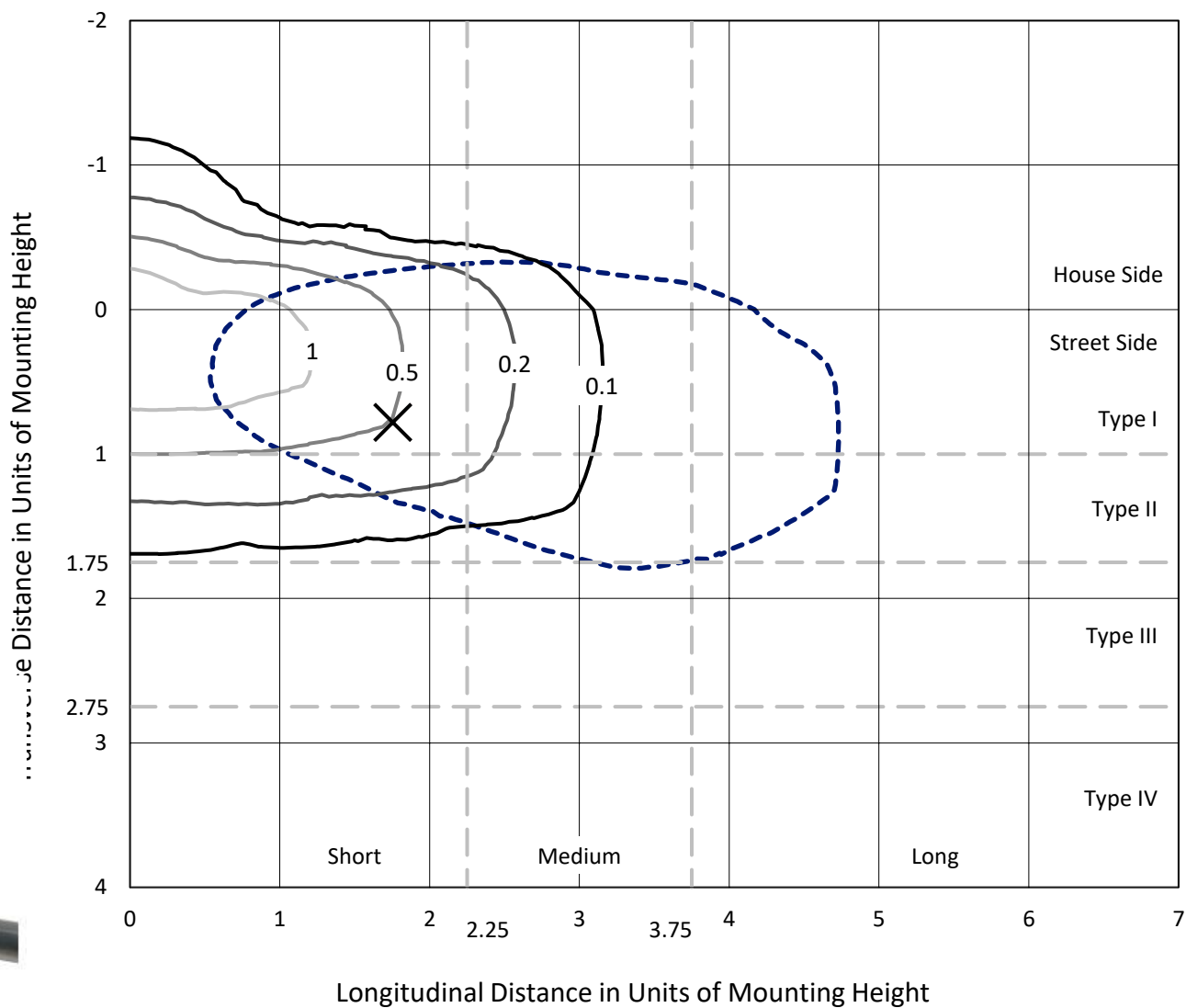
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

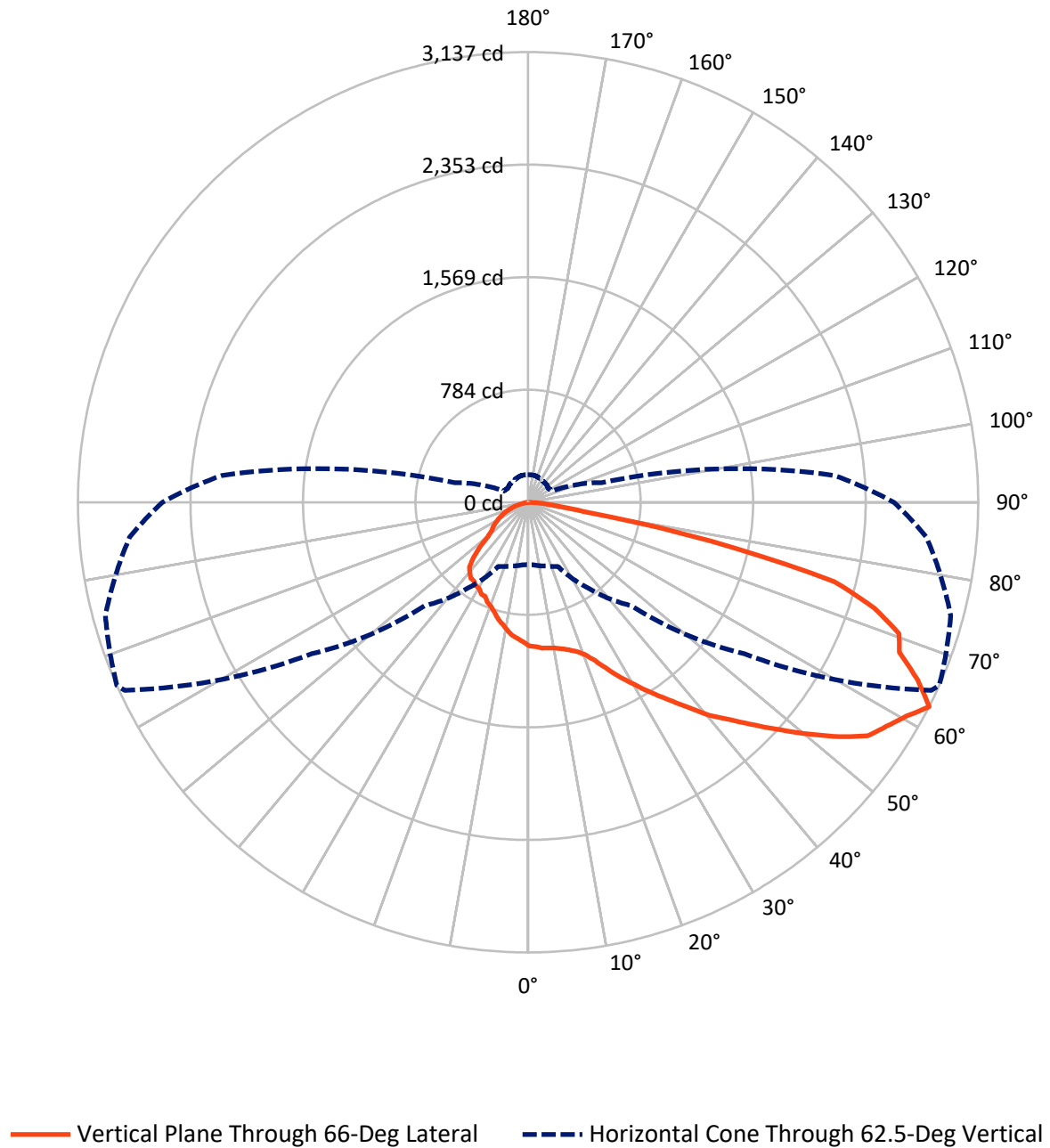
--- 1/2 Max cd



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

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Luminous Intensity Polar Plot



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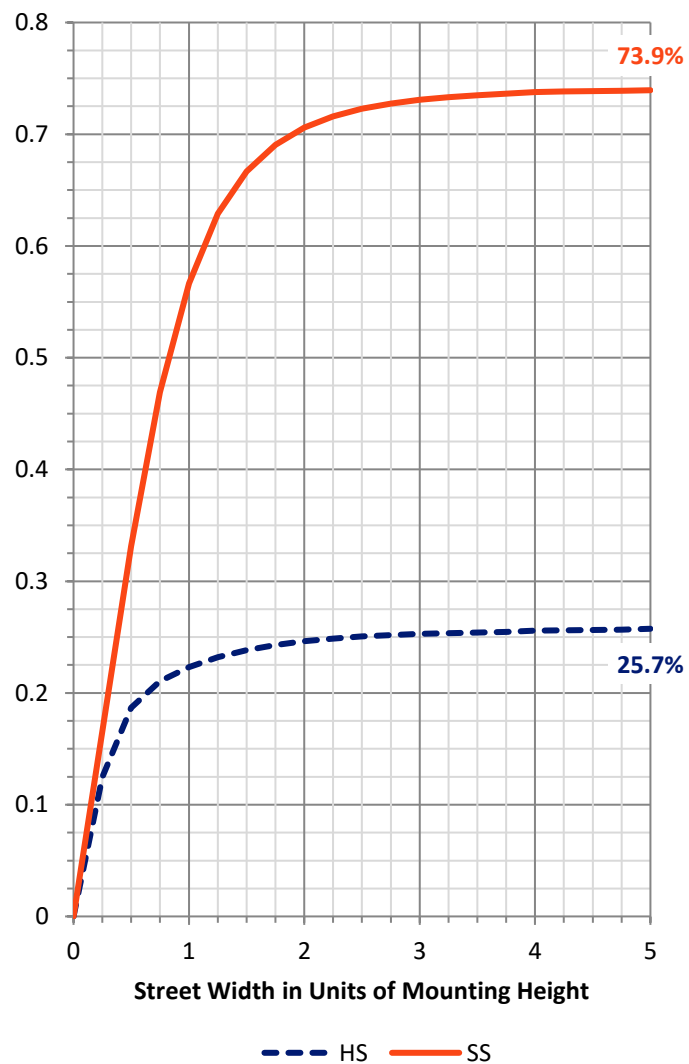
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1237.5	0.0	1237.5
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	3498.5	0.0	3498.5
	% Fixture	73.9	0.0	73.9
Total	Lumens	4736.0	0.0	4736.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.7	2.0
10°-20°	266.0	5.6
20°-30°	431.9	9.1
30°-40°	622.9	13.2
40°-50°	810.2	17.1
50°-60°	941.0	19.9
60°-70°	931.0	19.7
70°-80°	576.7	12.2
80°-90°	62.6	1.3
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°	4736.0	100.0
0°-180°	4736.0	100.0

Coefficient of Utilization



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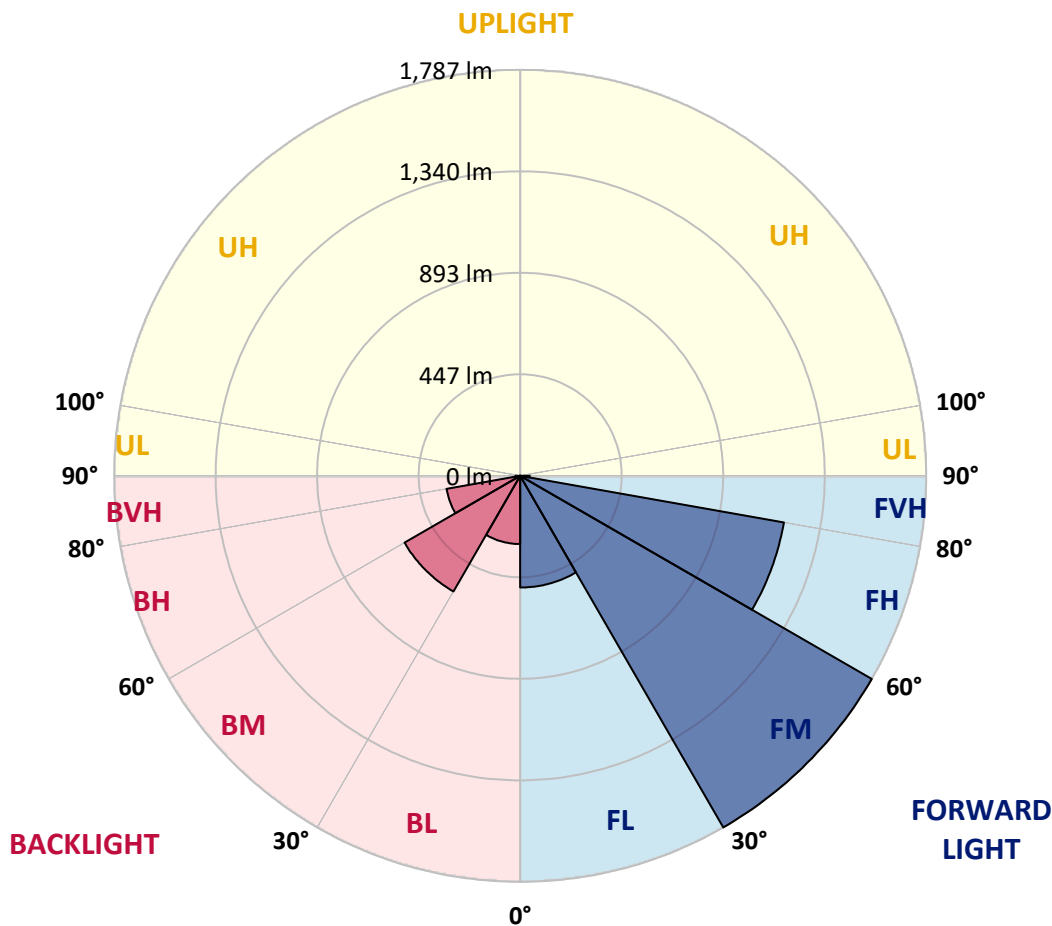
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	491.4	10.4			
FM	(30°-60°)	1786.5	37.7			
FH	(60°-80°)	1178.7	24.9			G1/1800
FVH	(80°-90°)	42.0	0.9			G1/100
BL	(0°-30°)	300.2	6.3	B1/500		
BM	(30°-60°)	587.6	12.4	B1/1000		
BH	(60°-80°)	329.1	6.9	B1/500		G1/500
BVH	(80°-90°)	20.6	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8
2.5°	1037.6	1037.6	1040.9	1029.5	1023.0	1018.1	1013.2	1008.3	1006.7	1001.8	995.3
5°	1083.2	1083.2	1084.9	1073.5	1060.4	1045.8	1031.1	1021.3	1021.3	1009.9	993.6
7.5°	1107.7	1107.7	1107.7	1094.6	1086.5	1076.7	1053.9	1026.2	1024.6	1013.2	990.4
10°	1107.7	1107.7	1114.2	1094.6	1088.1	1078.3	1065.3	1036.0	1032.7	1006.7	975.7
12.5°	1127.2	1130.5	1127.2	1106.0	1099.5	1091.4	1073.5	1049.0	1047.4	1013.2	969.2
15°	1154.9	1156.5	1151.6	1137.0	1130.5	1117.4	1096.3	1070.2	1066.9	1026.2	974.1
17.5°	1161.4	1163.0	1166.3	1148.4	1148.4	1143.5	1132.1	1101.1	1093.0	1057.2	988.7
20°	1158.2	1159.8	1164.7	1161.4	1163.0	1159.8	1167.9	1141.9	1132.1	1093.0	1011.6
22.5°	1172.8	1176.1	1185.8	1187.5	1194.0	1200.5	1203.8	1205.4	1198.9	1153.3	1058.8
25°	1177.7	1187.5	1200.5	1218.4	1241.2	1254.3	1272.2	1290.1	1288.5	1242.9	1137.0
27.5°	1154.9	1166.3	1207.0	1234.7	1285.2	1321.0	1361.8	1386.2	1386.2	1348.7	1226.6
30°	1176.1	1181.0	1202.1	1241.2	1299.9	1381.3	1444.8	1475.8	1479.0	1454.6	1314.5
32.5°	1132.1	1143.5	1195.6	1270.5	1360.1	1449.7	1513.3	1580.0	1583.3	1575.2	1443.2
35°	1127.2	1133.7	1163.0	1242.9	1358.5	1513.3	1598.0	1682.7	1690.8	1700.6	1568.6
37.5°	1076.7	1089.7	1146.8	1246.1	1404.1	1555.6	1669.6	1799.9	1813.0	1843.9	1676.1
40°	1023.0	1032.7	1080.0	1187.5	1389.5	1609.4	1739.7	1938.4	1954.7	1980.8	1824.4
42.5°	949.7	969.2	1050.6	1163.0	1382.9	1625.7	1817.9	2065.5	2072.0	2117.6	1941.7
45°	881.2	887.8	949.7	1078.3	1325.9	1650.1	1876.5	2208.8	2213.7	2243.0	2039.4
47.5°	825.9	834.0	897.5	1006.7	1273.8	1643.6	1935.1	2347.3	2370.1	2402.6	2158.3
50°	654.8	672.7	840.5	944.8	1184.2	1632.2	1982.4	2513.4	2539.5	2570.4	2285.4
52.5°	565.2	573.4	658.1	882.9	1096.3	1583.3	2026.4	2682.8	2713.8	2697.5	2446.6
55°	526.1	531.0	570.1	760.7	1018.1	1490.5	2058.9	2840.8	2873.4	2795.2	2573.7
57.5°	498.4	505.0	527.8	622.2	930.1	1327.6	2062.2	2933.7	2945.1	2876.7	2625.8
60°	461.0	465.9	498.4	544.1	827.5	1156.5	2003.6	2974.4	3028.1	2963.0	2743.1
62.5°	433.3	438.2	459.4	493.6	728.1	1019.7	1840.7	3101.4	3137.3	3049.3	2787.1
65°	400.7	400.7	421.9	456.1	664.6	936.6	1756.0	3060.7	2982.5	3024.9	2840.8
67.5°	353.5	356.7	377.9	405.6	557.1	856.8	1547.5	2871.8	2790.3	2907.6	2699.1
70°	314.4	311.1	333.9	355.1	456.1	755.8	1282.0	2676.3	2743.1	2730.1	2568.8
72.5°	262.3	259.0	278.5	301.3	368.1	627.1	1013.2	2484.1	2523.2	2441.7	2278.8
75°	203.6	184.1	211.8	241.1	289.9	496.8	718.3	2057.3	2203.9	2301.6	1943.3
77.5°	32.6	32.6	40.7	57.0	94.5	252.5	320.9	1130.5	1296.6	1959.6	1703.8
80°	26.1	26.1	29.3	39.1	57.0	138.5	107.5	350.2	390.9	845.4	980.6
82.5°	14.7	14.7	21.2	26.1	35.8	42.4	47.2	171.0	190.6	299.7	379.5
85°	8.1	8.1	11.4	13.0	14.7	14.7	14.7	78.2	88.0	159.6	172.7
87.5°	4.9	4.9	4.9	4.9	4.9	3.3	1.6	1.6	1.6	1.6	1.6
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°	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8
2.5°	992.0	987.1	979.0	972.5	967.6	962.7	954.5	949.7	949.7	957.8	959.4
5°	983.9	972.5	957.8	951.3	943.1	935.0	922.0	915.4	913.8	918.7	922.0
7.5°	977.3	961.1	946.4	930.1	905.7	884.5	873.1	865.0	868.2	876.4	873.1
10°	957.8	943.1	920.3	895.9	866.6	848.7	830.7	821.0	822.6	827.5	822.6
12.5°	949.7	930.1	892.6	863.3	837.3	803.1	780.2	765.6	765.6	773.7	773.7
15°	949.7	920.3	869.8	834.0	793.3	759.1	733.0	720.0	728.1	723.2	720.0
17.5°	957.8	912.2	855.2	794.9	746.0	711.8	680.9	663.0	667.9	671.1	667.9
20°	967.6	912.2	837.3	764.0	706.9	658.1	623.9	604.3	602.7	604.3	607.6
22.5°	1000.2	933.4	825.9	744.4	658.1	610.8	576.6	542.4	540.8	539.2	542.4
25°	1055.5	972.5	834.0	708.6	630.4	560.3	518.0	488.7	478.9	477.3	480.5
27.5°	1146.8	1040.9	847.0	703.7	579.9	516.4	464.2	431.7	421.9	425.1	423.5
30°	1246.1	1128.8	884.5	669.5	550.6	451.2	402.3	374.6	364.9	358.4	360.0
32.5°	1319.4	1216.8	931.7	658.1	493.6	381.2	345.3	329.0	317.6	309.5	307.9
35°	1435.1	1291.7	974.1	632.0	443.1	335.6	306.2	288.3	281.8	276.9	276.9
37.5°	1545.8	1382.9	1016.4	623.9	377.9	304.6	268.8	257.4	254.1	250.9	250.9
40°	1656.6	1475.8	1040.9	591.3	325.8	267.1	232.9	231.3	236.2	232.9	234.6
42.5°	1793.4	1571.9	1065.3	560.3	288.3	228.0	208.5	221.5	231.3	232.9	232.9
45°	1887.9	1637.1	1075.1	485.4	249.2	198.7	203.6	218.3	229.7	234.6	232.9
47.5°	1974.2	1725.0	1060.4	394.2	216.6	193.8	202.0	211.8	228.0	234.6	234.6
50°	2058.9	1798.3	1047.4	291.6	205.2	195.5	202.0	206.9	224.8	231.3	231.3
52.5°	2177.9	1857.0	1003.4	244.3	195.5	197.1	206.9	205.2	219.9	229.7	232.9
55°	2342.4	1993.8	918.7	231.3	193.8	195.5	206.9	206.9	216.6	224.8	229.7
57.5°	2415.7	2052.4	775.4	218.3	189.0	193.8	202.0	203.6	215.0	219.9	218.3
60°	2498.7	2125.7	635.3	203.6	180.8	190.6	193.8	200.4	208.5	208.5	206.9
62.5°	2549.2	2143.6	529.4	187.3	171.0	179.2	179.2	185.7	192.2	192.2	192.2
65°	2573.7	2125.7	395.8	172.7	159.6	166.1	164.5	167.8	172.7	164.5	164.5
67.5°	2477.6	2058.9	273.7	153.1	146.6	153.1	151.5	153.1	151.5	145.0	146.6
70°	2313.1	1871.6	189.0	130.3	128.7	140.1	141.7	138.5	128.7	123.8	123.8
72.5°	2106.2	1501.9	130.3	104.3	109.1	123.8	127.1	120.5	110.8	105.9	105.9
75°	1910.7	1298.2	92.8	71.7	73.3	94.5	101.0	101.0	97.7	130.3	138.5
77.5°	1329.2	840.5	53.8	37.5	35.8	53.8	61.9	63.5	122.2	131.9	128.7
80°	788.4	395.8	39.1	22.8	22.8	30.9	42.4	83.1	140.1	94.5	84.7
82.5°	301.3	151.5	24.4	14.7	13.0	16.3	24.4	128.7	81.4	53.8	48.9
85°	109.1	37.5	11.4	8.1	8.1	9.8	14.7	109.1	57.0	40.7	39.1
87.5°	1.6	1.6	3.3	3.3	3.3	1.6	1.6	3.3	3.3	3.3	1.6
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)