

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: P691242

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-7040-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691242
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-C015-5TLD-U-T3-7040-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4791 lumens
Efficiency: N/A
Efficacy: 146.5 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
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

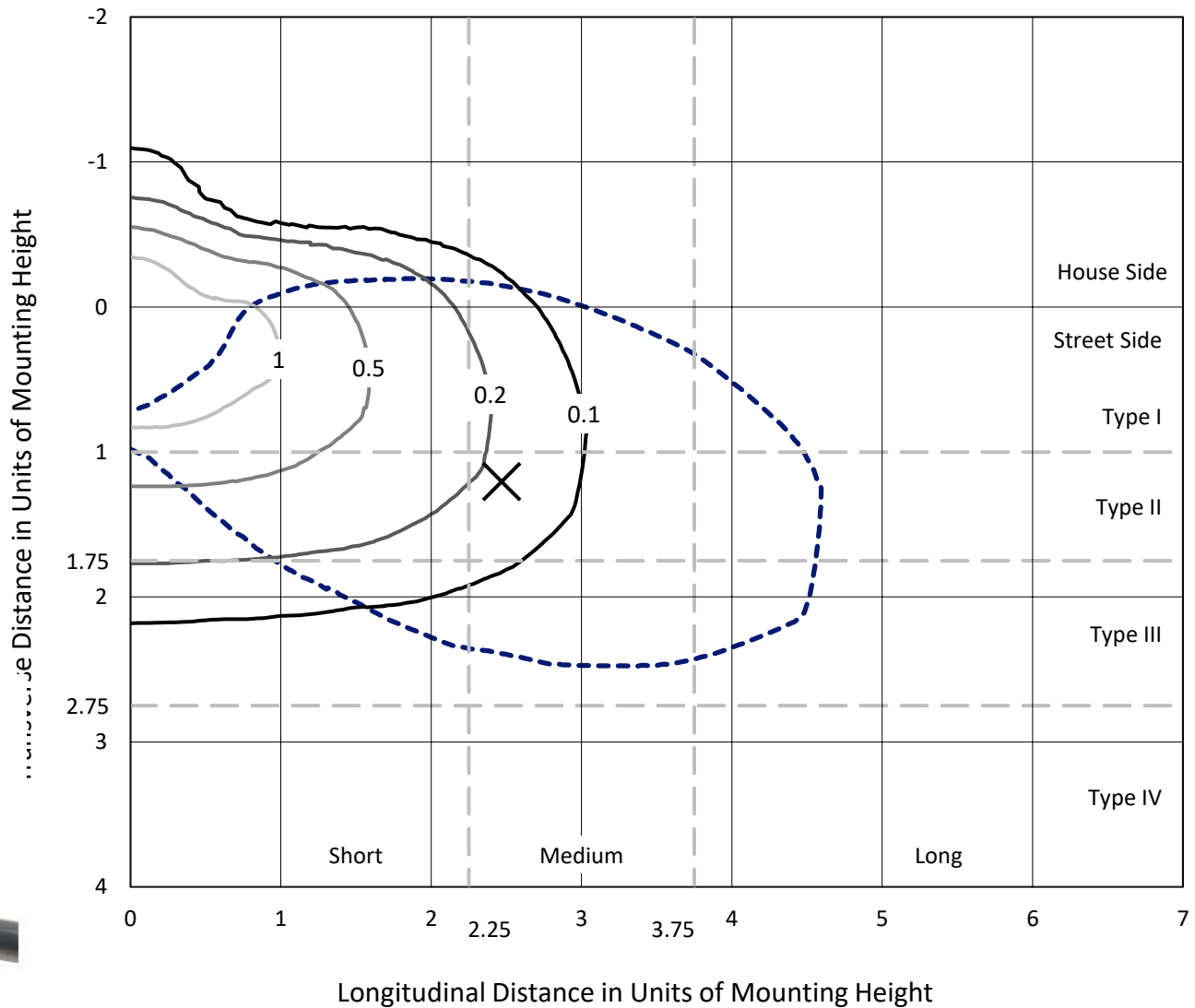


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

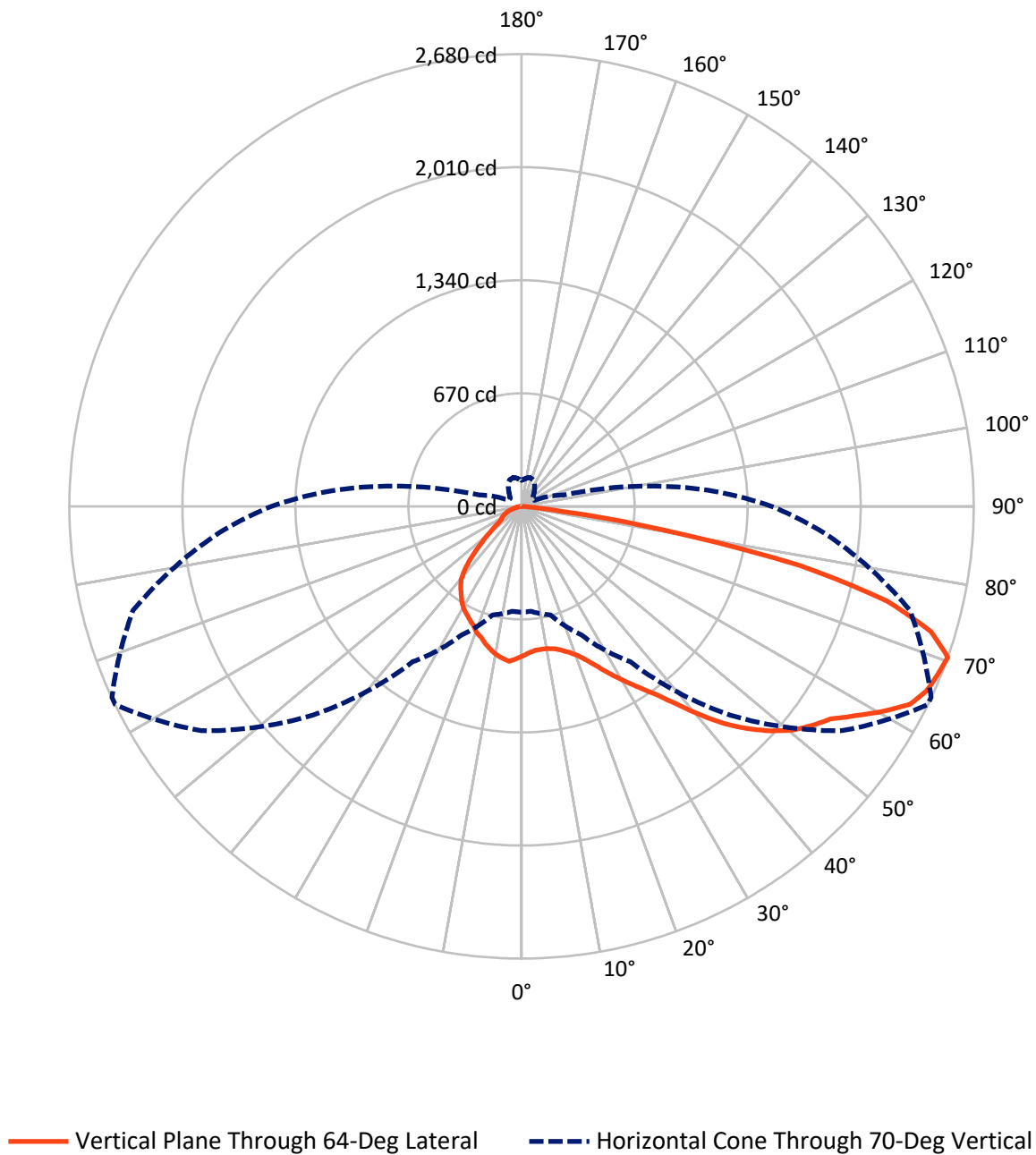


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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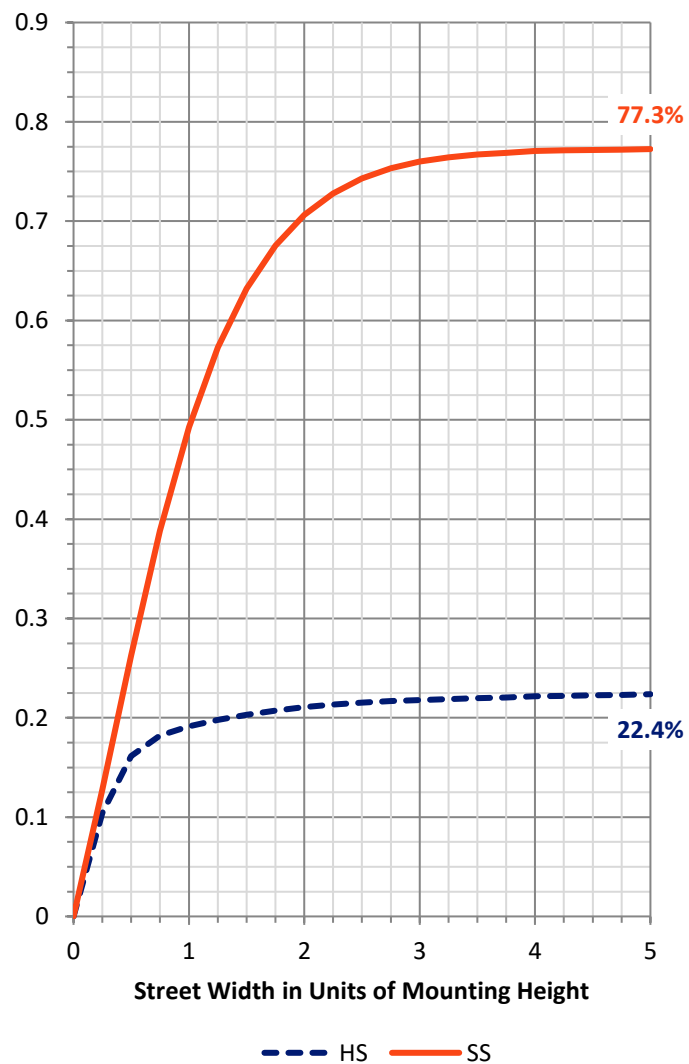
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1088.4	0.0	1088.4
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	3702.7	0.0	3702.7
	% Fixture	77.3	0.0	77.3
Total	Lumens	4791.0	0.0	4791.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.2	1.8
10°-20°	249.9	5.2
20°-30°	414.7	8.7
30°-40°	593.2	12.4
40°-50°	792.2	16.5
50°-60°	957.4	20.0
60°-70°	1018.9	21.3
70°-80°	625.9	13.1
80°-90°	53.6	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°	4791.0	100.0
0°-180°	4791.0	100.0

Coefficient of Utilization



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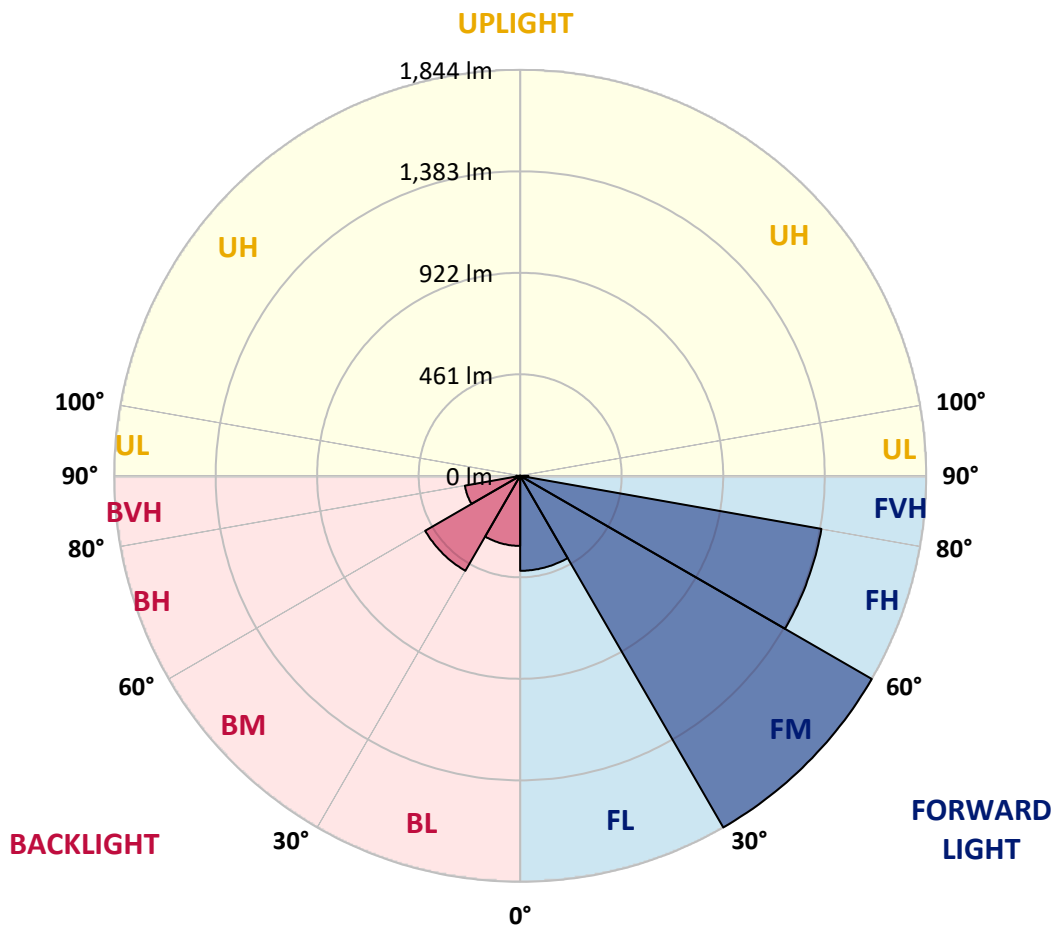
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	431.4	9.0			
FM	(30°-60°)	1844.5	38.5			
FH	(60°-80°)	1389.6	29.0			G1/1800
FVH	(80°-90°)	37.2	0.8			G1/100
BL	(0°-30°)	318.4	6.6	B1/500		
BM	(30°-60°)	498.3	10.4	B1/1000		
BH	(60°-80°)	255.2	5.3	B1/500		G1/500
BVH	(80°-90°)	16.4	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°	886.1	886.1	886.1	886.1	886.1	886.1	886.1	886.1	886.1	886.1	886.1
2.5°	864.9	864.9	864.9	864.9	866.6	868.2	866.6	868.2	868.2	871.4	876.3
5°	879.6	879.6	876.3	869.8	864.9	858.4	855.2	856.8	856.8	864.9	878.0
7.5°	884.5	884.5	881.2	881.2	876.3	861.7	856.8	855.2	856.8	860.0	878.0
10°	908.9	907.3	899.1	889.4	882.8	869.8	858.4	856.8	858.4	863.3	882.8
12.5°	935.0	935.0	931.7	923.6	905.7	892.6	873.1	866.6	864.9	869.8	881.2
15°	987.1	980.6	967.6	956.1	943.1	921.9	895.9	884.5	881.2	887.7	882.8
17.5°	1018.0	1013.2	1014.8	996.9	985.5	956.1	930.1	908.9	907.3	913.8	892.6
20°	1052.3	1050.6	1053.9	1052.3	1034.3	1008.3	967.6	941.5	938.2	939.9	907.3
22.5°	1104.4	1104.4	1102.7	1102.7	1093.0	1062.0	1016.4	990.4	985.5	974.1	931.7
25°	1161.4	1161.4	1161.4	1164.6	1164.6	1128.8	1083.2	1053.9	1050.6	1034.3	972.4
27.5°	1215.1	1218.4	1220.0	1221.7	1226.5	1210.3	1159.8	1125.6	1123.9	1102.7	1026.2
30°	1257.5	1259.1	1273.8	1277.0	1286.8	1281.9	1233.1	1200.5	1203.7	1176.0	1086.5
32.5°	1295.0	1296.6	1317.8	1329.2	1340.6	1342.2	1301.5	1278.7	1278.7	1254.2	1159.8
35°	1330.8	1332.4	1358.5	1386.2	1409.0	1402.5	1379.7	1366.6	1371.5	1363.4	1260.7
37.5°	1361.7	1368.3	1402.5	1443.2	1469.2	1474.1	1464.4	1482.3	1492.0	1505.1	1397.6
40°	1391.1	1394.3	1426.9	1469.2	1513.2	1536.0	1547.4	1620.7	1630.5	1640.3	1475.8
42.5°	1363.4	1369.9	1439.9	1503.5	1558.8	1597.9	1651.7	1759.2	1780.4	1726.6	1581.6
45°	1330.8	1338.9	1409.0	1516.5	1594.7	1666.3	1765.7	1879.7	1896.0	1814.6	1638.6
47.5°	1303.1	1312.9	1384.5	1505.1	1632.1	1759.2	1858.5	1987.2	1997.0	1889.5	1716.8
50°	1272.2	1280.3	1356.9	1490.4	1651.7	1843.9	1956.3	2085.0	2088.2	1951.4	1757.6
52.5°	1231.4	1239.6	1317.8	1467.6	1666.3	1900.9	2037.7	2156.6	2143.6	2031.2	1804.8
55°	1179.3	1190.7	1275.4	1436.7	1674.5	1935.1	2093.1	2223.4	2216.9	2125.7	1866.7
57.5°	1123.9	1135.3	1221.7	1394.3	1666.3	1956.3	2150.1	2339.1	2337.4	2202.2	1912.3
60°	1062.0	1071.8	1145.1	1338.9	1622.4	1990.5	2275.5	2464.5	2477.5	2288.6	1930.2
62.5°	980.6	982.2	1055.5	1259.1	1565.3	2014.9	2365.1	2583.4	2575.2	2345.6	1933.5
65°	873.1	878.0	943.1	1148.4	1472.5	1995.4	2387.9	2637.1	2637.1	2387.9	1930.2
67.5°	768.8	767.2	822.6	1009.9	1329.2	1909.0	2368.4	2660.0	2671.4	2415.6	1887.9
70°	627.1	623.9	666.2	840.5	1123.9	1749.4	2317.9	2679.5	2677.9	2383.0	1798.3
72.5°	464.2	462.6	491.9	636.9	860.0	1496.9	2168.0	2536.2	2519.9	2226.7	1624.0
75°	257.4	244.3	242.7	394.2	500.1	1049.0	1842.3	2236.4	2243.0	1967.7	1360.1
77.5°	37.5	39.1	40.7	71.7	86.3	392.6	1197.2	1685.9	1682.6	1518.1	992.0
80°	26.1	27.7	29.3	35.8	40.7	92.8	413.7	850.3	899.1	798.1	457.7
82.5°	19.5	19.5	21.2	24.4	22.8	42.4	128.7	236.2	244.3	221.5	135.2
85°	13.0	13.0	11.4	13.0	8.1	11.4	29.3	44.0	47.2	45.6	37.5
87.5°	6.5	6.5	4.9	4.9	3.3	3.3	3.3	1.6	3.3	1.6	3.3
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°	886.1	886.1	886.1	886.1	886.1	886.1	886.1	886.1	886.1	886.1	886.1
2.5°	881.2	884.5	894.3	902.4	912.2	923.6	930.1	936.6	943.1	939.9	944.7
5°	884.5	891.0	905.7	920.3	928.5	930.1	931.7	936.6	946.4	946.4	954.5
7.5°	887.7	899.1	899.1	907.3	918.7	921.9	923.6	926.8	931.7	933.3	931.7
10°	887.7	882.8	891.0	892.6	887.7	895.9	900.8	899.1	904.0	905.7	905.7
12.5°	878.0	876.3	869.8	869.8	868.2	855.2	855.2	868.2	868.2	876.3	878.0
15°	878.0	864.9	856.8	845.4	834.0	829.1	822.6	812.8	816.1	827.5	830.7
17.5°	876.3	861.7	837.2	814.4	806.3	786.7	780.2	780.2	778.6	785.1	786.7
20°	882.8	861.7	824.2	798.1	754.2	747.7	734.6	736.3	737.9	728.1	723.2
22.5°	900.8	874.7	814.4	763.9	729.7	700.4	676.0	659.7	658.1	653.2	658.1
25°	928.5	897.5	816.1	744.4	689.0	646.7	630.4	591.3	573.4	575.0	584.8
27.5°	979.0	925.2	824.2	723.2	656.4	596.2	544.0	519.6	500.1	500.1	503.3
30°	1026.2	967.6	821.0	705.3	605.9	531.0	464.2	425.1	418.6	412.1	410.5
32.5°	1114.1	1021.3	853.5	679.2	558.7	447.9	381.2	327.4	332.3	333.9	337.2
35°	1202.1	1107.6	860.0	646.7	490.3	364.9	294.8	265.5	278.5	281.8	285.1
37.5°	1319.4	1215.1	904.0	617.3	420.2	280.2	234.6	221.5	234.6	234.6	236.2
40°	1382.9	1265.6	939.9	588.0	329.0	206.9	184.1	174.3	190.6	203.6	206.9
42.5°	1472.5	1330.8	972.4	529.4	232.9	154.7	141.7	161.3	187.3	200.4	202.0
45°	1518.1	1363.4	961.0	451.2	153.1	125.4	138.5	162.9	188.9	202.0	203.6
47.5°	1580.0	1409.0	938.2	360.0	122.2	123.8	140.1	167.8	193.8	205.2	206.9
50°	1640.3	1456.2	879.6	286.7	117.3	123.8	143.3	169.4	192.2	200.4	198.7
52.5°	1674.5	1500.2	804.7	218.3	117.3	125.4	146.6	172.7	190.6	192.2	192.2
55°	1705.4	1505.1	742.8	169.4	115.7	127.1	149.9	175.9	192.2	192.2	188.9
57.5°	1725.0	1485.5	695.5	146.6	115.7	127.1	149.9	175.9	200.4	205.2	200.4
60°	1716.8	1448.1	663.0	136.8	112.4	125.4	148.2	180.8	246.0	257.4	247.6
62.5°	1697.3	1426.9	592.9	125.4	107.5	120.5	145.0	195.5	263.9	265.5	257.4
65°	1679.4	1356.9	508.2	112.4	101.0	115.7	140.1	198.7	223.2	215.0	213.4
67.5°	1597.9	1265.6	387.7	99.4	91.2	109.1	135.2	182.4	198.7	188.9	185.7
70°	1482.3	1106.0	259.0	84.7	81.4	101.0	135.2	171.0	177.5	161.3	154.7
72.5°	1270.5	915.4	141.7	68.4	68.4	92.8	122.2	159.6	164.5	145.0	133.6
75°	1034.3	663.0	91.2	52.1	52.1	78.2	110.8	151.5	161.3	140.1	125.4
77.5°	711.8	363.2	63.5	37.5	34.2	60.3	88.0	123.8	143.3	120.5	102.6
80°	241.1	96.1	40.7	24.4	21.2	34.2	58.6	96.1	130.3	123.8	110.8
82.5°	94.5	60.3	27.7	16.3	14.7	16.3	29.3	60.3	104.2	112.4	130.3
85°	27.7	16.3	9.8	8.1	8.1	8.1	8.1	24.4	61.9	81.4	102.6
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	14.7	26.1	34.2
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)