

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: P853463

Luminaire Tested: **CRTK-N-50-740-U-T2R**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853463
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-50-740-U-T2R
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

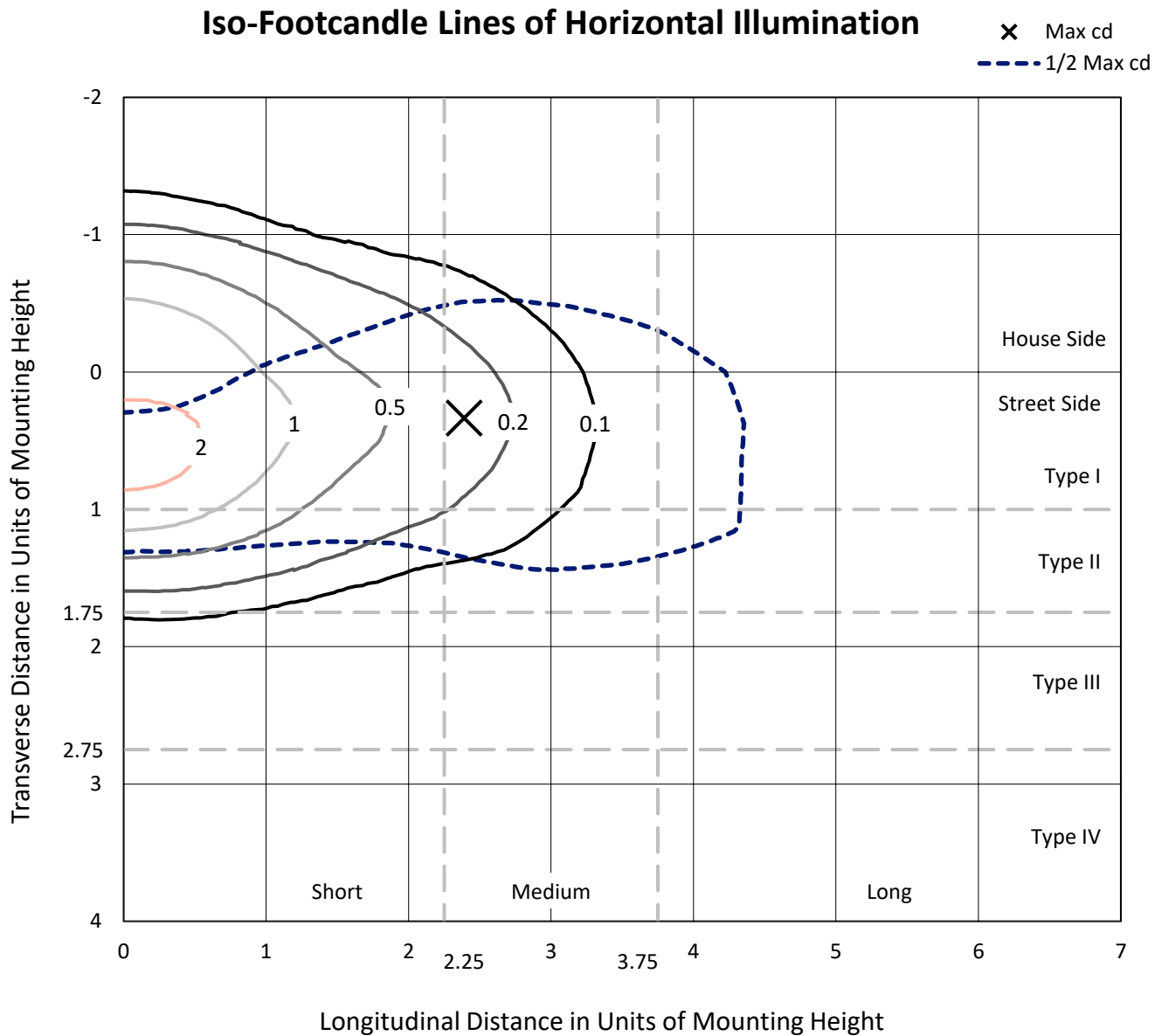
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6363 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 47.7
Input Voltage (V): 120.0
Input Current (Ain): 0.398
Voltage Rise (V): NR
Power Factor: 0.9969
Total Harmonic Distortion (THDi): 6.56%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

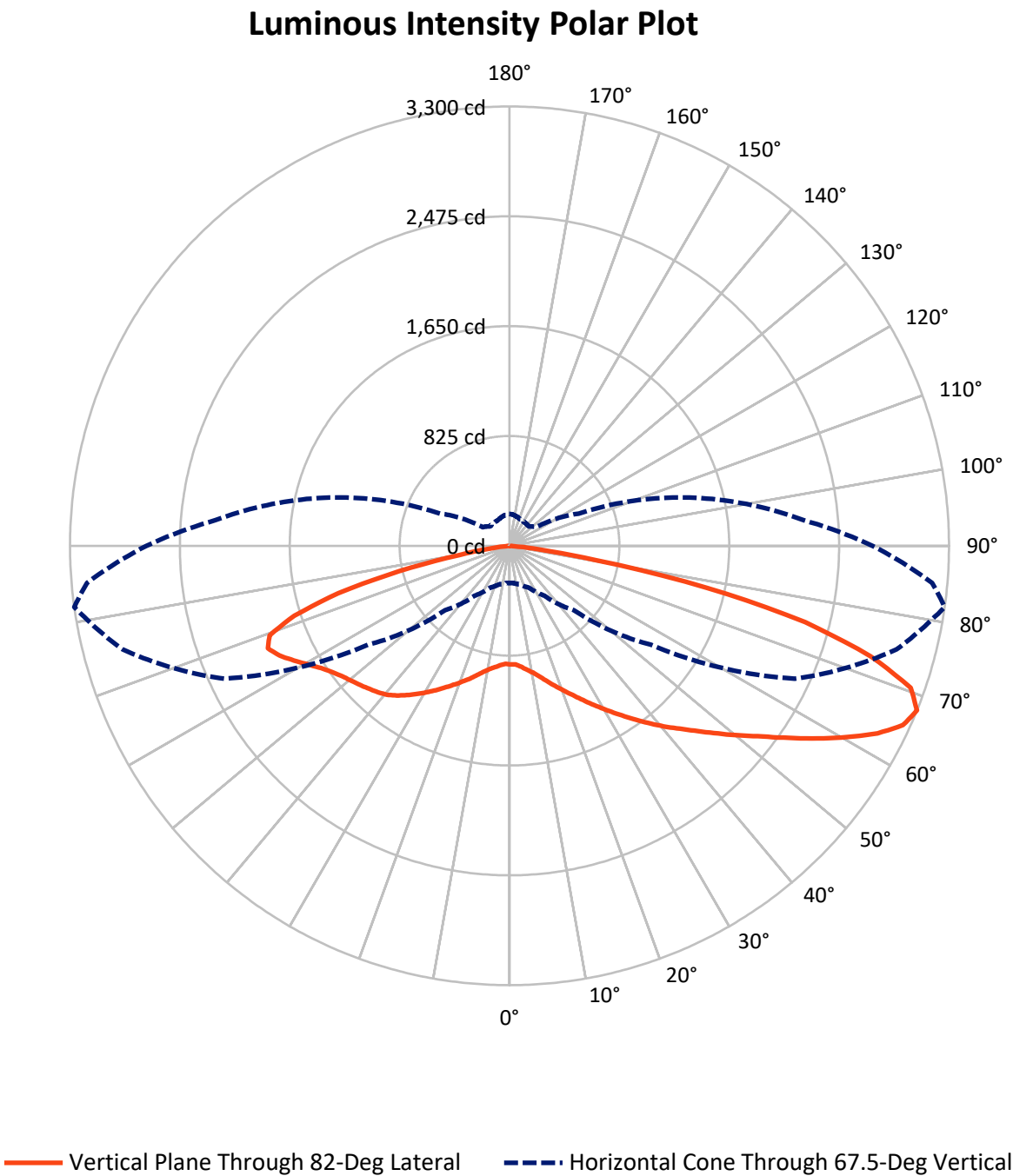


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Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
Type II - Medium - N/A

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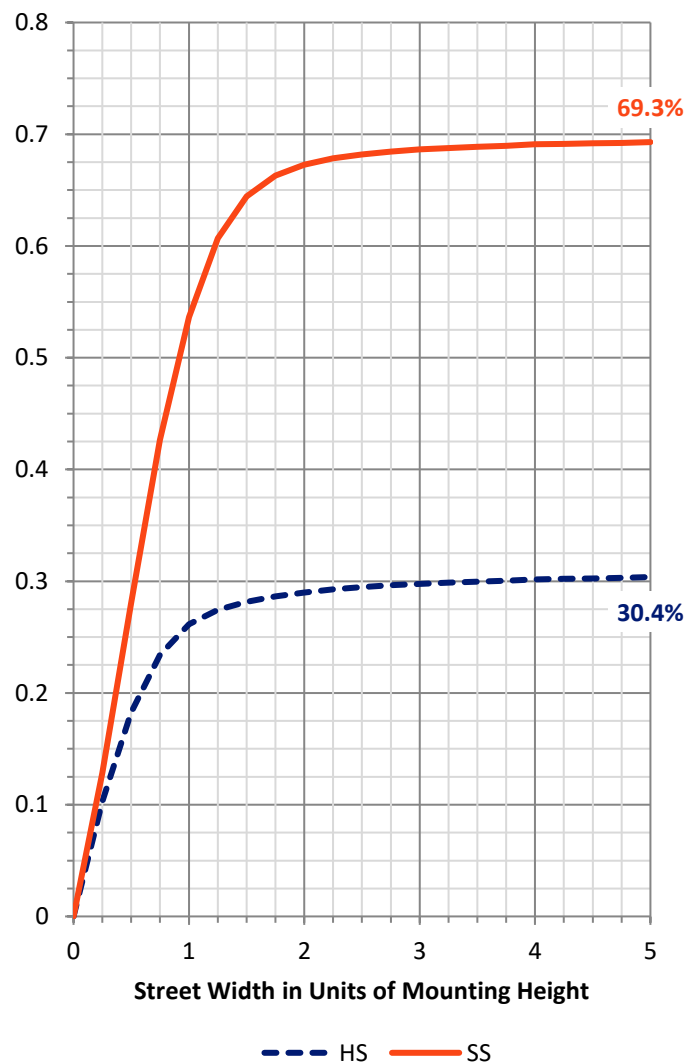
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1950.2	0.0	1950.2
	% Fixture	30.6	0.0	30.6
Street Side	Lumens	4412.8	0.0	4412.8
	% Fixture	69.4	0.0	69.4
Total	Lumens	6363.0	0.0	6363.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.2	1.4
10°-20°	331.9	5.2
20°-30°	667.4	10.5
30°-40°	1051.9	16.5
40°-50°	1288.9	20.3
50°-60°	1227.2	19.3
60°-70°	1029.6	16.2
70°-80°	609.5	9.6
80°-90°	64.4	1.0
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°	6363.0	100.0
0°-180°	6363.0	100.0

Coefficient of Utilization



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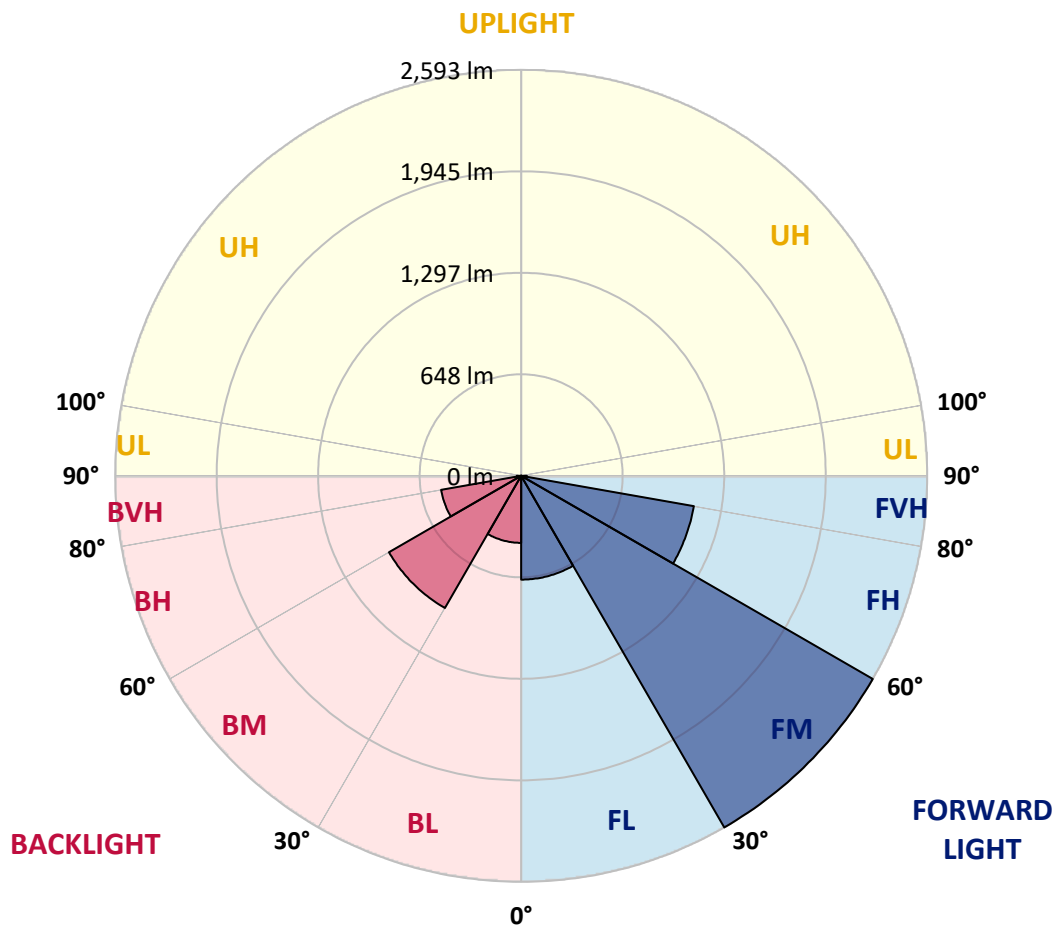
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	663.0	10.4			
FM	(30°-60°)	2593.1	40.8			
FH	(60°-80°)	1120.1	17.6			G1/1800
FVH	(80°-90°)	36.6	0.6			G1/100
BL	(0°-30°)	428.4	6.7	B1/500		
BM	(30°-60°)	974.9	15.3	B1/1000		
BH	(60°-80°)	519.1	8.2	B2/1000		G2/1000
BVH	(80°-90°)	27.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	890.5	890.5	890.5	890.5	890.5	890.5	890.5	890.5	890.5	890.5	890.5
2.5°	931.2	933.0	936.5	933.0	931.2	924.1	917.1	913.5	906.4	892.3	888.7
5°	1018.0	1019.7	1023.3	1009.1	1002.0	982.6	964.9	948.9	931.2	911.8	908.2
7.5°	1124.2	1131.3	1126.0	1104.7	1083.5	1055.2	1025.1	996.7	964.9	940.1	933.0
10°	1242.8	1253.4	1242.8	1210.9	1182.6	1136.6	1090.6	1048.1	1002.0	968.4	959.6
12.5°	1382.7	1384.4	1379.1	1334.9	1295.9	1232.2	1168.5	1111.8	1051.6	1007.4	995.0
15°	1534.9	1547.3	1529.6	1474.7	1419.9	1338.4	1257.0	1184.4	1110.0	1055.2	1041.0
17.5°	1699.6	1704.9	1690.7	1623.4	1554.4	1451.7	1350.8	1260.5	1170.2	1106.5	1088.8
20°	1871.3	1874.8	1857.1	1768.6	1692.5	1570.3	1449.9	1340.2	1234.0	1159.6	1136.6
22.5°	2048.3	2053.7	2021.8	1929.7	1835.9	1697.8	1556.2	1421.6	1304.8	1218.0	1189.7
25°	2260.8	2260.8	2220.1	2110.3	1997.0	1839.4	1678.3	1520.8	1382.7	1283.5	1248.1
27.5°	2478.5	2467.9	2432.5	2306.8	2170.5	1989.9	1809.3	1634.1	1471.2	1354.3	1313.6
30°	2675.1	2673.3	2630.8	2494.5	2338.7	2138.6	1938.6	1749.1	1565.0	1430.5	1384.4
32.5°	2818.5	2820.2	2781.3	2655.6	2490.9	2283.8	2067.8	1862.5	1657.1	1510.1	1462.3
35°	2922.9	2922.9	2891.0	2779.5	2623.7	2421.9	2202.4	1982.8	1758.0	1596.9	1545.6
37.5°	2956.6	2949.5	2935.3	2850.3	2715.8	2538.7	2335.1	2110.3	1864.2	1687.2	1625.2
40°	2905.2	2891.0	2905.2	2853.9	2756.5	2621.9	2450.2	2239.5	1975.8	1782.8	1708.4
42.5°	2795.4	2776.0	2804.3	2779.5	2737.0	2664.4	2537.0	2361.7	2092.6	1878.4	1791.6
45°	2652.0	2625.5	2659.1	2653.8	2646.7	2652.0	2588.3	2469.7	2220.1	1984.6	1887.2
47.5°	2441.4	2402.4	2473.2	2501.6	2526.3	2583.0	2593.6	2556.4	2354.6	2106.8	1991.7
50°	2099.7	2069.6	2193.5	2298.0	2375.9	2471.5	2547.6	2606.0	2490.9	2237.8	2106.8
52.5°	1662.4	1630.5	1798.7	2012.9	2186.4	2335.1	2452.0	2616.6	2621.9	2377.6	2237.8
55°	1209.2	1219.8	1375.6	1632.3	1928.0	2177.6	2331.6	2590.1	2742.3	2545.8	2397.1
57.5°	858.6	867.5	1002.0	1216.3	1593.4	1974.0	2218.3	2529.9	2857.4	2729.9	2581.2
60°	586.0	612.6	711.7	874.6	1216.3	1694.3	2103.2	2457.3	2944.2	2915.8	2776.0
62.5°	430.2	444.4	506.3	628.5	867.5	1340.2	1931.5	2406.0	3000.8	3101.7	2944.2
65°	334.6	341.7	377.1	458.5	621.4	975.5	1657.1	2395.3	3022.1	3246.9	3114.1
67.5°	279.7	279.7	299.2	347.0	456.8	683.4	1295.9	2361.7	3007.9	3300.0	3184.9
70°	235.5	233.7	249.6	279.7	343.5	486.9	913.5	2202.4	2931.8	3195.6	3096.4
72.5°	191.2	191.2	212.4	231.9	269.1	354.1	598.4	1860.7	2701.6	2836.2	2763.6
75°	154.0	152.3	168.2	194.7	212.4	258.5	375.3	1354.3	2301.5	2292.7	2214.8
77.5°	118.6	116.8	131.0	159.3	171.7	191.2	244.3	816.1	1596.9	1517.2	1522.5
80°	90.3	86.7	95.6	116.8	120.4	123.9	136.3	332.8	717.0	655.0	653.3
82.5°	56.7	56.7	60.2	74.4	70.8	72.6	62.0	111.5	253.2	216.0	223.1
85°	21.2	21.2	26.6	31.9	28.3	26.6	19.5	24.8	38.9	30.1	28.3
87.5°	1.8	1.8	1.8	3.5	3.5	3.5	1.8	1.8	1.8	1.8	3.5
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°	890.5	890.5	890.5	890.5	890.5	890.5	890.5	890.5	890.5	890.5	890.5
2.5°	887.0	887.0	887.0	888.7	883.4	879.9	874.6	871.0	871.0	872.8	876.3
5°	902.9	901.1	899.4	899.4	894.0	890.5	887.0	883.4	883.4	887.0	887.0
7.5°	924.1	920.6	915.3	915.3	911.8	908.2	906.4	902.9	904.7	906.4	908.2
10°	947.2	941.8	936.5	936.5	933.0	929.5	929.5	924.1	925.9	927.7	929.5
12.5°	979.0	973.7	963.1	966.6	963.1	959.6	956.0	950.7	947.2	950.7	950.7
15°	1019.7	1010.9	1000.3	1003.8	998.5	991.4	986.1	975.5	971.9	971.9	973.7
17.5°	1062.2	1051.6	1037.4	1041.0	1032.1	1019.7	1007.4	995.0	989.6	987.9	987.9
20°	1106.5	1090.6	1072.9	1076.4	1058.7	1039.2	1021.5	1000.3	991.4	987.9	987.9
22.5°	1150.8	1133.0	1110.0	1106.5	1079.9	1049.8	1021.5	995.0	979.0	975.5	973.7
25°	1202.1	1179.1	1149.0	1138.4	1099.4	1055.2	1014.4	980.8	961.3	956.0	954.2
27.5°	1258.7	1228.7	1189.7	1164.9	1110.0	1049.8	996.7	956.0	933.0	924.1	924.1
30°	1315.4	1280.0	1226.9	1184.4	1108.3	1032.1	968.4	918.8	892.3	879.9	879.9
32.5°	1379.1	1331.3	1262.3	1193.2	1095.9	1003.8	929.5	872.8	840.9	826.8	825.0
35°	1448.2	1389.8	1292.4	1196.8	1076.4	968.4	885.2	823.2	791.4	773.7	771.9
37.5°	1520.8	1446.4	1315.4	1191.5	1049.8	927.7	837.4	775.4	732.9	704.6	702.8
40°	1586.3	1499.5	1333.1	1177.3	1016.2	883.4	787.8	704.6	646.2	614.3	610.8
42.5°	1646.5	1536.7	1342.0	1156.1	979.0	830.3	718.8	614.3	554.1	522.3	520.5
45°	1712.0	1575.6	1340.2	1131.3	929.5	770.1	632.0	525.8	472.7	446.1	444.4
47.5°	1782.8	1614.6	1340.2	1103.0	874.6	692.2	545.3	449.7	400.1	377.1	375.3
50°	1857.1	1657.1	1334.9	1069.3	810.8	600.2	460.3	377.1	338.1	320.4	320.4
52.5°	1945.7	1703.1	1333.1	1028.6	734.7	509.9	384.2	318.7	288.6	279.7	279.7
55°	2051.9	1759.8	1336.6	979.0	646.2	421.4	324.0	278.0	260.2	256.7	256.7
57.5°	2184.7	1832.4	1347.3	924.1	548.8	345.2	279.7	254.9	249.6	247.9	247.9
60°	2333.4	1920.9	1366.7	862.2	455.0	288.6	253.2	244.3	242.5	249.6	249.6
62.5°	2489.2	2020.0	1398.6	782.5	371.8	249.6	237.2	233.7	235.5	247.9	247.9
65°	2634.3	2122.7	1425.2	690.5	299.2	226.6	223.1	223.1	231.9	246.1	246.1
67.5°	2726.4	2214.8	1400.4	573.6	244.3	207.1	208.9	210.7	224.8	237.2	239.0
70°	2691.0	2209.4	1255.2	433.7	201.8	189.4	194.7	198.3	207.1	224.8	230.2
72.5°	2444.9	2007.6	973.7	295.7	170.0	170.0	178.8	184.1	189.4	207.1	217.8
75°	2039.5	1627.0	649.7	194.7	141.6	154.0	162.9	164.6	170.0	185.9	191.2
77.5°	1426.9	1062.2	357.6	131.0	111.5	125.7	136.3	143.4	150.5	157.6	161.1
80°	624.9	472.7	171.7	86.7	83.2	93.8	102.7	116.8	129.2	141.6	143.4
82.5°	205.4	166.4	77.9	49.6	49.6	60.2	69.0	86.7	100.9	120.4	120.4
85°	28.3	21.2	23.0	19.5	21.2	28.3	35.4	46.0	51.3	51.3	44.3
87.5°	3.5	3.5	3.5	3.5	3.5	5.3	5.3	5.3	3.5	3.5	1.8
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)