

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: P1210903

Luminaire Tested: **ARCH4-110-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-110-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 920mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16150 lumens
Efficiency: N/A
Efficacy: 143.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 112.6
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

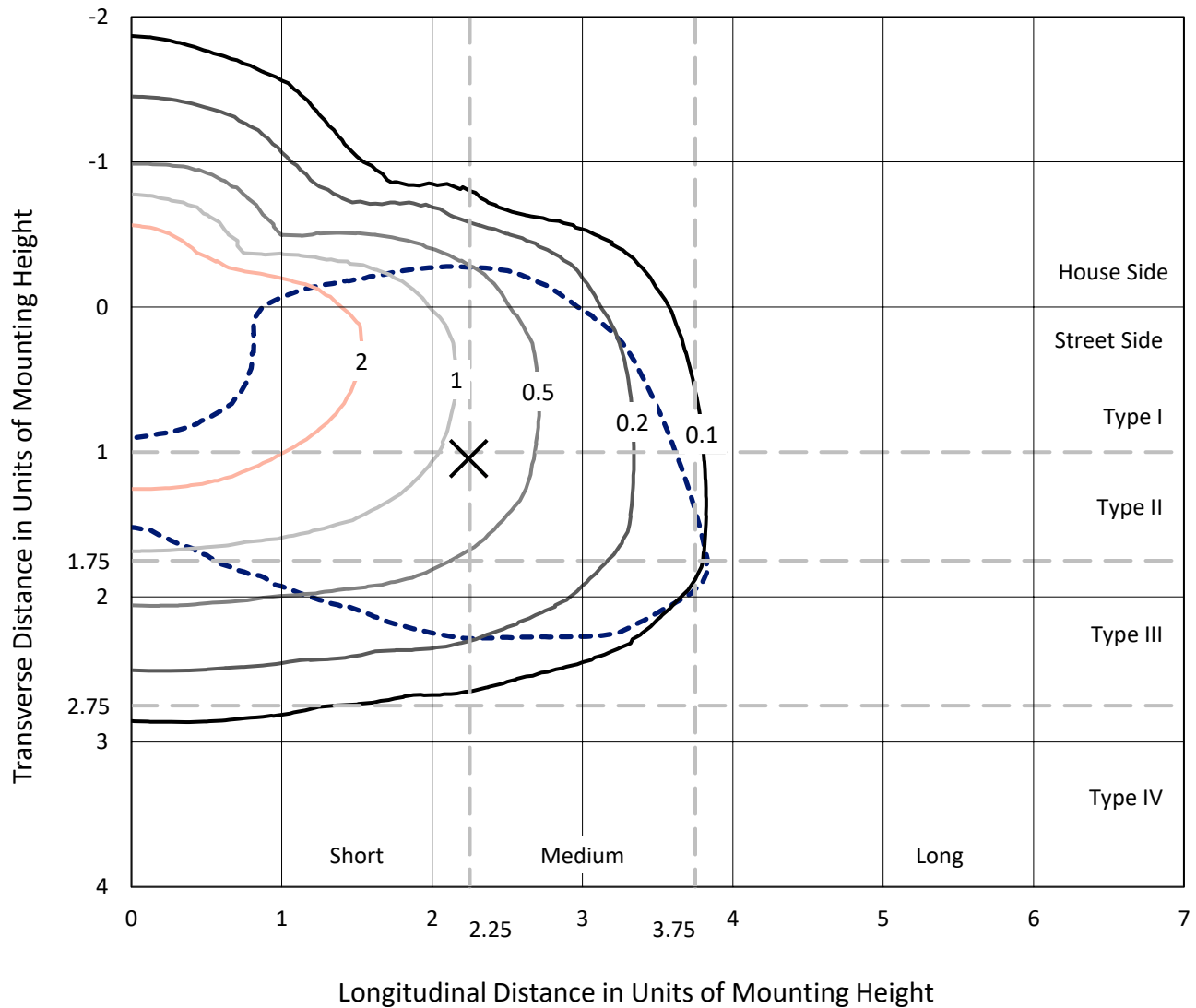


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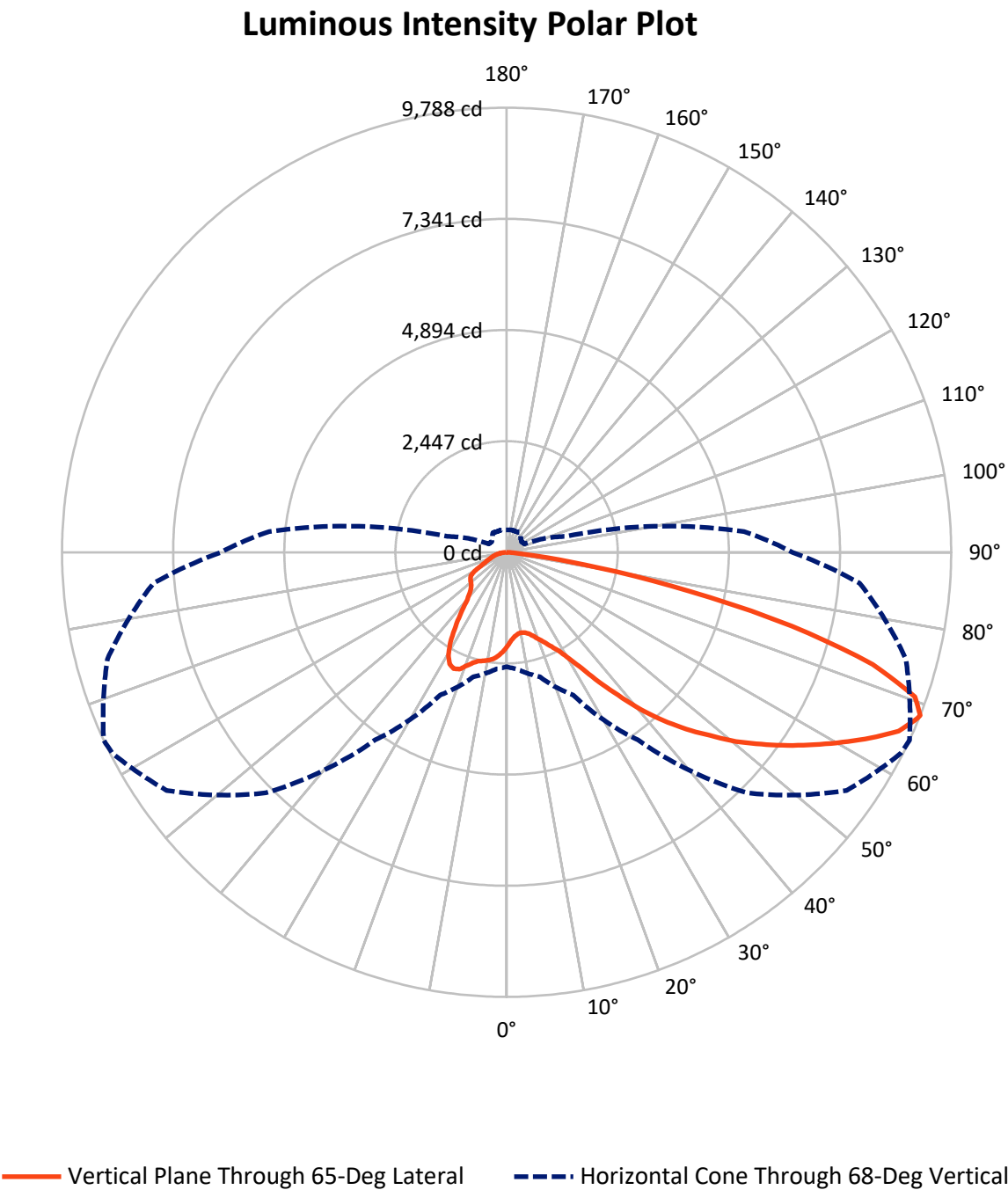
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
Type III - Short - N/A

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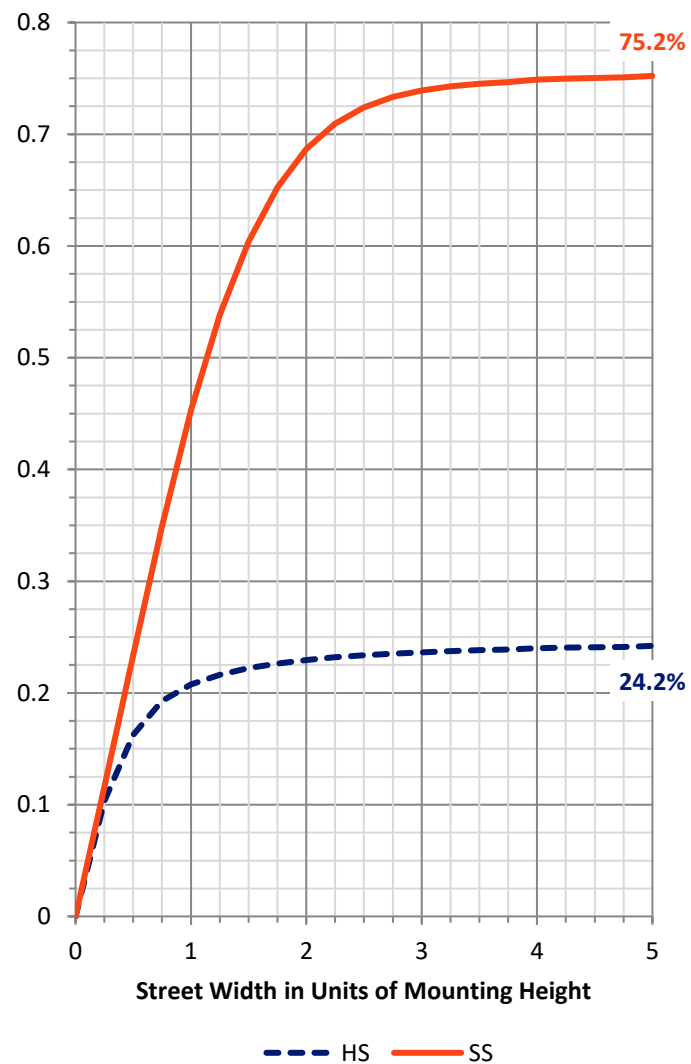
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3959.5	0.0	3959.5
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	12190.5	0.0	12190.5
	% Fixture	75.5	0.0	75.5
Total	Lumens	16150.0	0.0	16150.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.2	1.2
10°-20°	642.2	4.0
20°-30°	1162.3	7.2
30°-40°	1828.4	11.3
40°-50°	2723.3	16.9
50°-60°	3572.4	22.1
60°-70°	3906.6	24.2
70°-80°	1933.1	12.0
80°-90°	184.4	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°	16150.0	100.0
0°-180°	16150.0	100.0

Coefficient of Utilization



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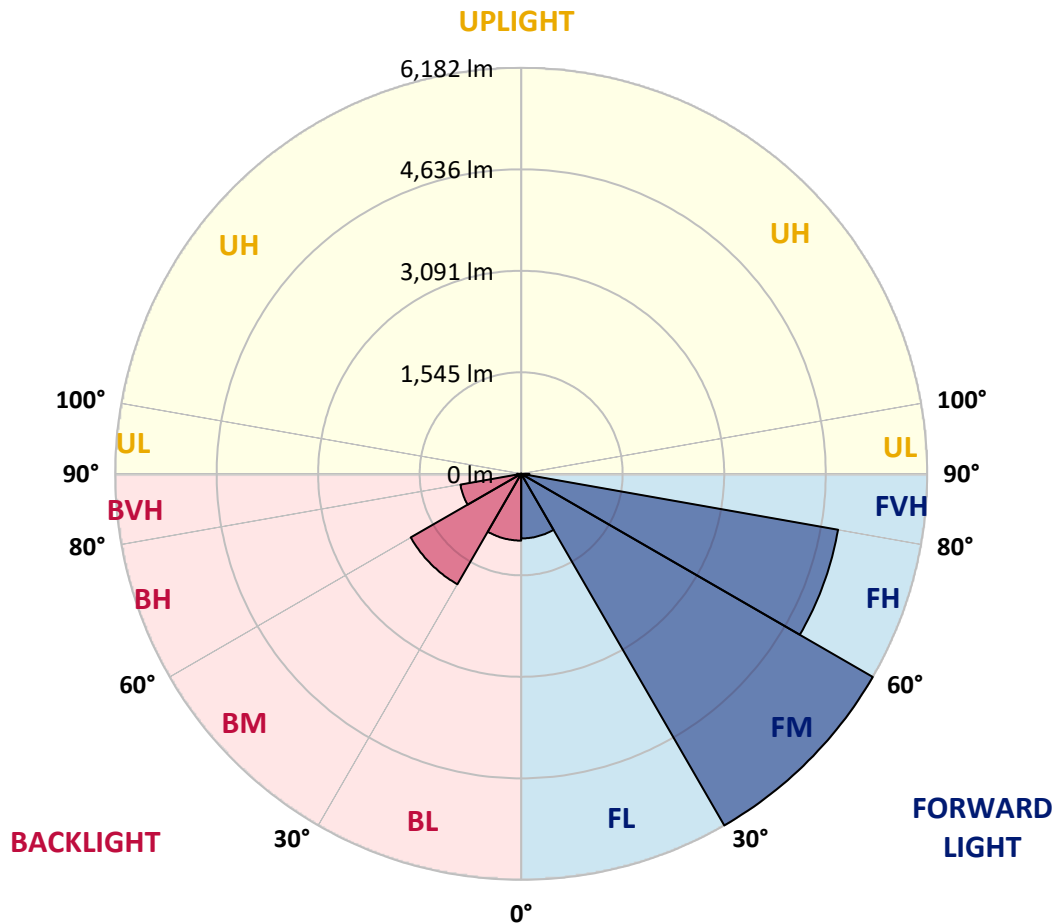
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	984.5	6.1			
FM	(30°-60°)	6182.0	38.3			
FH	(60°-80°)	4900.0	30.3			G2/5000
FVH	(80°-90°)	124.0	0.8			G2/225
BL	(0°-30°)	1017.2	6.3	B3/2500		
BM	(30°-60°)	1942.1	12.0	B2/2500		
BH	(60°-80°)	939.8	5.8	B2/1000		G2/1000
BVH	(80°-90°)	60.4	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	2063.8	2063.8	2063.8	2063.8	2063.8	2063.8	2063.8	2063.8	2063.8	2063.8	2063.8
2.5°	1801.4	1797.2	1807.6	1818.0	1840.9	1868.0	1905.5	1936.7	1940.9	1999.2	2045.0
5°	1695.2	1688.9	1699.3	1711.8	1722.2	1755.6	1795.1	1840.9	1859.7	1945.1	2042.9
7.5°	1705.6	1703.5	1707.7	1703.5	1703.5	1718.1	1745.1	1791.0	1811.8	1913.8	2053.4
10°	1766.0	1770.1	1772.2	1759.7	1747.2	1741.0	1749.3	1780.6	1795.1	1915.9	2099.2
12.5°	1865.9	1872.2	1874.3	1851.4	1834.7	1807.6	1793.0	1805.5	1816.0	1936.7	2163.7
15°	2001.3	2005.5	1990.9	1976.3	1934.7	1901.3	1865.9	1855.5	1859.7	1980.5	2236.6
17.5°	2159.6	2153.3	2153.3	2117.9	2063.8	2011.7	1953.4	1945.1	1945.1	2051.3	2340.7
20°	2332.4	2338.7	2319.9	2272.0	2217.9	2136.7	2078.4	2040.9	2045.0	2132.5	2467.8
22.5°	2582.3	2592.7	2542.8	2474.0	2390.7	2297.0	2213.7	2153.3	2155.4	2238.7	2599.0
25°	2851.0	2855.1	2823.9	2732.3	2619.8	2486.5	2376.2	2299.1	2297.0	2357.4	2767.7
27.5°	3125.9	3144.6	3082.1	2994.7	2890.5	2723.9	2578.2	2474.0	2457.4	2538.6	2978.0
30°	3409.1	3432.0	3371.6	3286.2	3157.1	3015.5	2842.6	2721.8	2711.4	2819.7	3259.1
32.5°	3694.4	3700.6	3652.7	3581.9	3465.3	3332.0	3192.5	3059.2	3048.8	3225.8	3623.6
35°	3927.6	3946.4	3913.0	3896.4	3811.0	3688.1	3552.8	3475.7	3502.8	3729.8	4096.3
37.5°	4208.8	4227.5	4190.0	4185.9	4158.8	4052.6	3958.9	3965.1	3992.2	4300.4	4594.0
40°	4614.9	4635.7	4539.9	4498.2	4498.2	4394.1	4362.9	4510.7	4546.1	4862.7	5112.6
42.5°	4958.5	4991.8	4935.6	4908.5	4827.3	4754.4	4791.9	5000.1	5060.5	5400.0	5564.5
45°	5125.1	5150.1	5216.7	5295.8	5216.7	5089.7	5231.3	5466.6	5552.0	5895.6	6016.4
47.5°	5214.6	5237.5	5314.6	5527.0	5581.1	5474.9	5674.9	5968.5	6026.8	6387.1	6447.5
50°	5227.1	5300.0	5400.0	5612.4	5860.2	5874.8	6120.5	6478.7	6547.4	6870.2	6826.5
52.5°	5125.1	5154.2	5360.4	5718.6	5993.5	6243.4	6605.7	6968.1	7018.1	7324.2	7161.8
55°	4958.5	5000.1	5206.3	5693.6	6122.6	6593.2	7099.3	7449.2	7505.4	7765.7	7472.1
57.5°	4808.5	4829.4	5050.1	5620.7	6251.7	6943.1	7538.7	7951.0	7988.5	8153.1	7701.1
60°	4641.9	4664.8	4885.6	5464.5	6347.5	7207.6	7996.9	8457.1	8490.4	8561.2	7967.7
62.5°	4210.8	4271.2	4548.2	5206.3	6322.5	7509.6	8486.3	8956.9	8998.6	8921.5	8178.0
65°	3419.5	3504.9	3844.3	4621.1	6089.3	7705.3	8886.1	9417.1	9487.9	9192.2	8234.3
67.5°	2655.2	2715.6	2988.4	3667.3	5270.8	7607.4	9144.3	9733.7	9754.5	9148.5	7921.9
68°	2517.8	2578.2	2838.5	3467.4	5043.9	7490.8	9138.1	9742.0	9787.8	9100.6	7801.1
70°	1926.3	1995.1	2242.9	2746.8	4065.1	6749.4	8757.0	9542.1	9535.8	8521.7	7051.4
72.5°	1203.7	1243.3	1414.0	1732.7	2688.5	5135.5	7432.5	8415.4	8432.1	6947.3	5408.3
75°	764.3	764.3	756.0	839.3	1378.6	2925.9	5524.9	6478.7	6491.2	4864.8	3409.1
77.5°	664.3	645.6	556.0	470.6	549.8	1137.1	3269.6	4183.8	4115.1	2619.8	1618.1
80°	560.2	529.0	456.1	379.0	354.0	356.1	1255.8	2124.2	2032.5	943.4	537.3
82.5°	404.0	376.9	343.6	297.8	272.8	212.4	262.4	614.3	599.8	272.8	174.9
85°	218.7	197.8	193.7	195.8	164.5	131.2	110.4	135.4	135.4	118.7	100.0
87.5°	77.1	56.2	66.6	75.0	64.6	54.1	43.7	52.1	54.1	52.1	47.9
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°	2063.8	2063.8	2063.8	2063.8	2063.8	2063.8	2063.8	2063.8	2063.8	2063.8	2063.8
2.5°	2072.1	2092.9	2142.9	2186.6	2217.9	2245.0	2259.5	2265.8	2280.4	2282.4	2278.3
5°	2088.8	2142.9	2217.9	2282.4	2317.8	2332.4	2336.6	2338.7	2332.4	2336.6	2332.4
7.5°	2132.5	2201.2	2307.4	2363.7	2369.9	2347.0	2349.1	2340.7	2349.1	2357.4	2357.4
10°	2199.1	2286.6	2386.6	2407.4	2380.3	2367.8	2392.8	2442.8	2459.5	2482.4	2482.4
12.5°	2286.6	2390.7	2461.5	2442.8	2417.8	2459.5	2532.3	2582.3	2599.0	2607.3	2601.1
15°	2386.6	2499.0	2534.4	2471.9	2517.8	2607.3	2632.3	2603.1	2561.5	2542.8	2553.2
17.5°	2513.6	2607.3	2586.5	2544.8	2649.0	2661.5	2580.2	2486.5	2419.9	2394.9	2411.6
20°	2646.9	2728.1	2632.3	2651.0	2715.6	2582.3	2428.2	2307.4	2249.1	2238.7	2255.4
22.5°	2788.5	2840.6	2678.1	2773.9	2678.1	2407.4	2222.0	2159.6	2145.0	2161.7	2176.2
25°	2948.8	2942.6	2757.3	2811.4	2538.6	2192.9	2082.5	2078.4	2078.4	2088.8	2109.6
27.5°	3130.0	3032.1	2836.4	2761.4	2297.0	2015.9	1995.1	1997.1	1990.9	1993.0	2003.4
30°	3340.4	3152.9	2923.9	2596.9	2026.3	1882.6	1874.3	1868.0	1853.4	1849.3	1853.4
32.5°	3604.8	3280.0	3013.4	2326.2	1788.9	1745.1	1741.0	1707.7	1672.3	1668.1	1682.7
35°	3940.1	3511.1	3059.2	1986.7	1593.1	1591.0	1576.5	1524.4	1478.6	1478.6	1468.2
37.5°	4323.3	3808.9	3078.0	1655.6	1430.7	1441.1	1399.5	1332.8	1297.4	1276.6	1282.8
40°	4714.8	4148.4	3075.9	1366.1	1289.1	1291.2	1259.9	1178.7	1091.2	1039.2	1051.7
42.5°	5091.8	4456.6	3021.7	1212.0	1174.5	1168.3	1143.3	1032.9	960.0	918.4	920.5
45°	5393.7	4775.2	2938.4	1120.4	1070.4	1080.8	1024.6	958.0	891.3	853.8	851.7
47.5°	5695.7	5016.8	2805.1	1064.2	993.4	974.6	951.7	905.9	855.9	814.3	816.3
50°	5970.6	5223.0	2680.2	1026.7	922.6	874.7	878.8	851.7	808.0	770.5	768.4
52.5°	6164.2	5358.3	2611.5	1005.9	837.2	785.1	799.7	785.1	743.5	716.4	714.3
55°	6357.9	5462.4	2634.4	978.8	743.5	701.8	726.8	722.6	699.7	691.4	693.5
57.5°	6514.1	5541.6	2715.6	928.8	653.9	628.9	670.6	658.1	641.4	643.5	643.5
60°	6666.1	5643.6	2811.4	814.3	576.9	578.9	618.5	595.6	585.2	603.9	606.0
62.5°	6824.4	5754.0	2732.3	647.7	510.2	524.8	570.6	551.9	556.0	583.1	591.4
65°	6805.7	5743.6	2226.2	531.0	451.9	481.1	549.8	543.5	545.6	556.0	560.2
67.5°	6422.5	5377.1	1530.6	451.9	410.3	445.7	533.1	508.1	510.2	504.0	506.1
68°	6293.4	5247.9	1349.5	439.4	401.9	437.3	524.8	501.9	504.0	497.7	495.6
70°	5589.5	4494.1	853.8	387.3	372.8	414.4	483.1	474.8	472.7	468.6	468.6
72.5°	4260.8	3317.4	449.8	335.3	339.5	379.0	431.1	447.7	437.3	439.4	451.9
75°	2821.8	1995.1	312.4	287.4	297.8	324.9	383.2	416.5	406.1	412.3	406.1
77.5°	1493.2	1074.6	249.9	243.7	243.7	262.4	316.5	368.6	368.6	364.4	358.2
80°	489.4	379.0	199.9	191.6	195.8	206.2	254.1	302.0	308.2	299.9	295.7
82.5°	164.5	174.9	149.9	139.5	143.7	152.0	191.6	231.2	233.2	216.6	212.4
85°	102.0	116.6	93.7	91.6	91.6	93.7	116.6	127.0	116.6	104.1	108.3
87.5°	47.9	58.3	43.7	37.5	31.2	27.1	20.8	8.3	8.3	4.2	4.2
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)