

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: P1210757

Luminaire Tested: **ARCH3-60-740-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210757
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH3-60-740-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 505mA LIGHTSQUARE WITH 40 LEDS AND TYPE II ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10612 lumens
Efficiency: N/A
Efficacy: 167.9 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

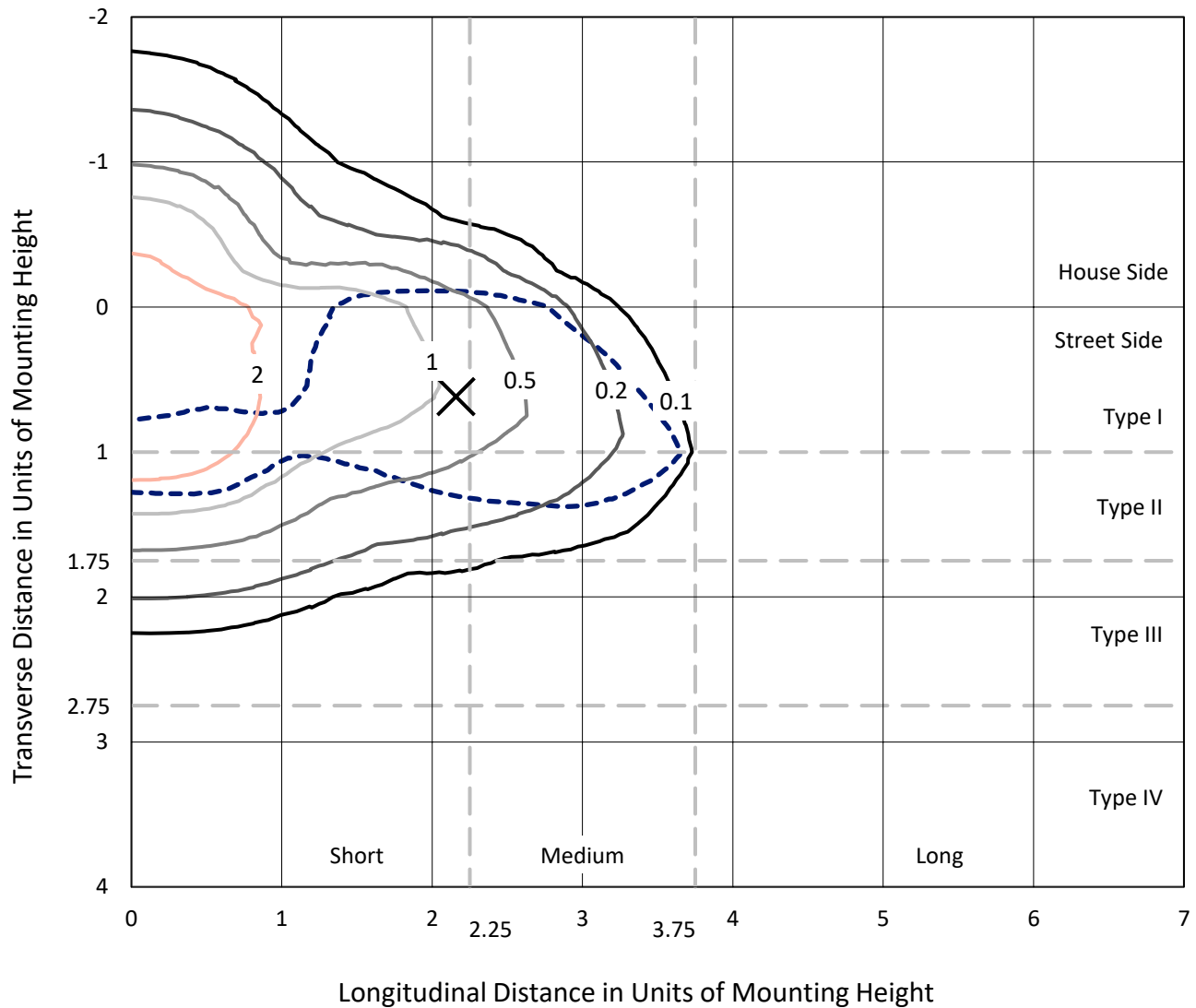
Input Watts (W): 63.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

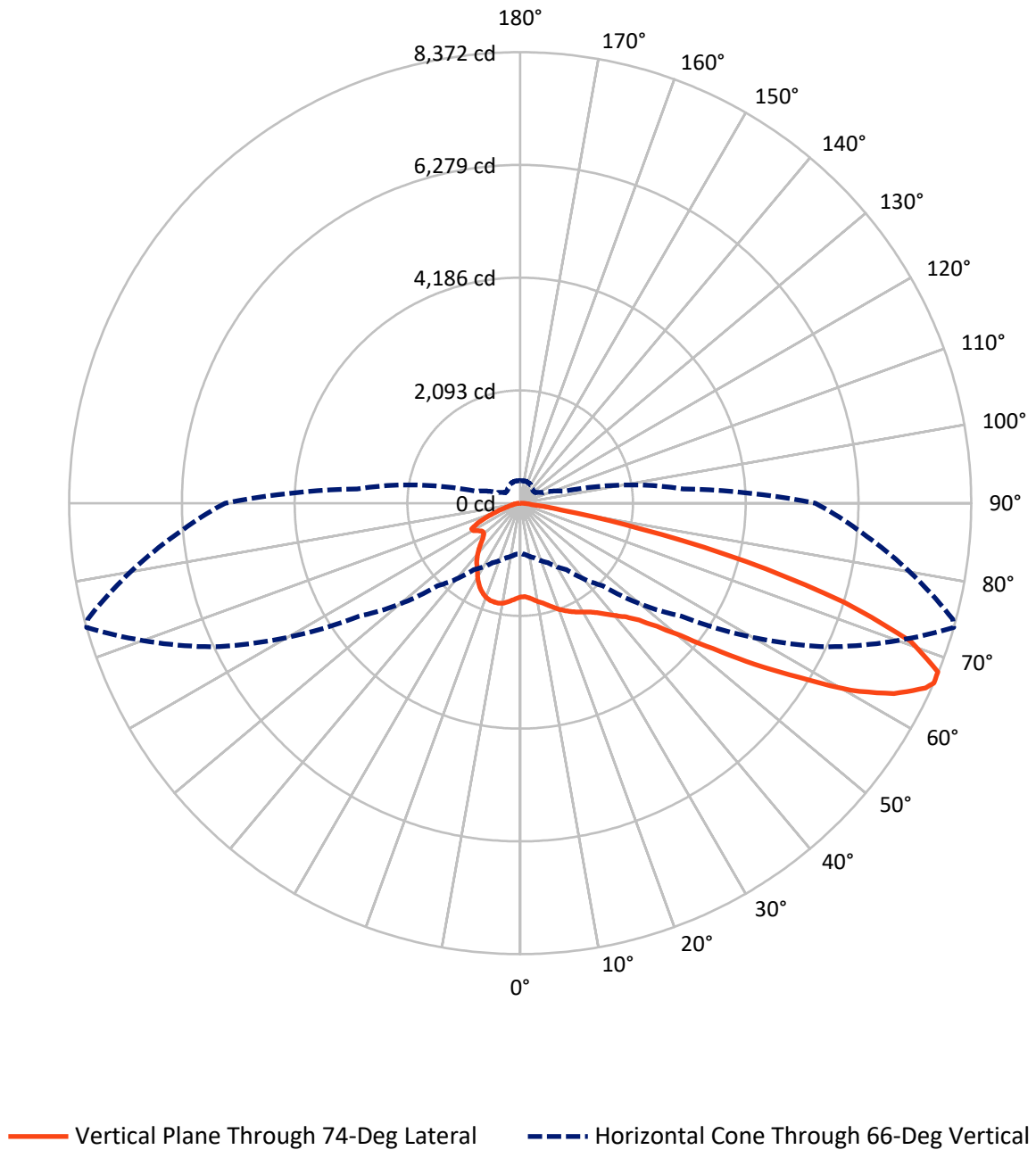
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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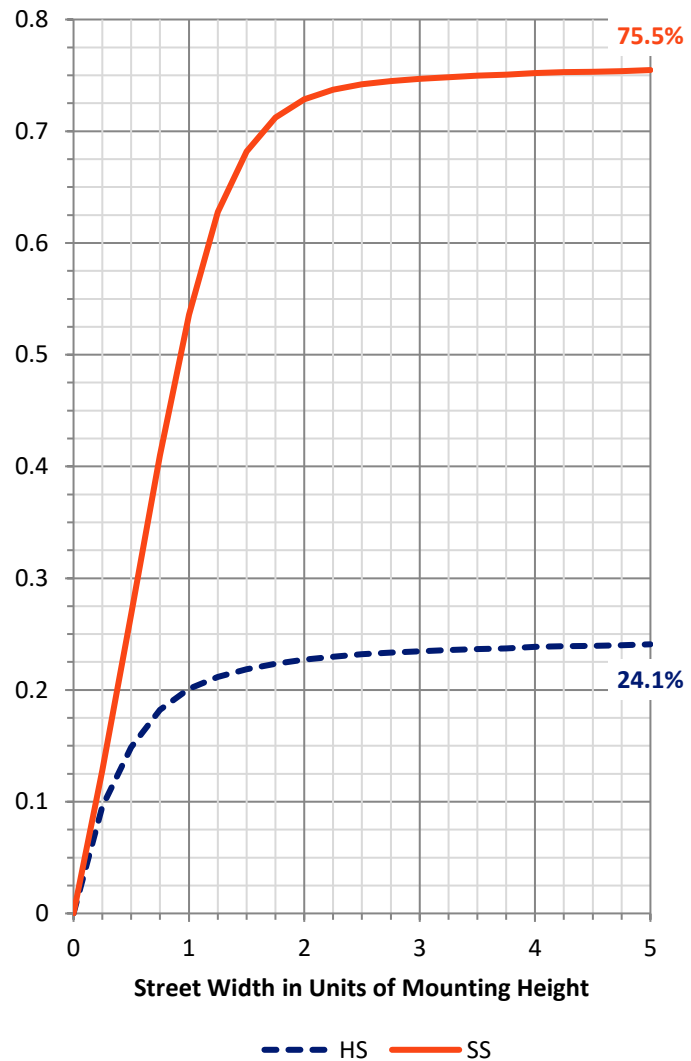
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2584.3	0.0	2584.3
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	8027.7	0.0	8027.7
	% Fixture	75.6	0.0	75.6
Total	Lumens	10612.0	0.0	10612.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.9	1.6
10°-20°	510.3	4.8
20°-30°	957.6	9.0
30°-40°	1473.1	13.9
40°-50°	1981.4	18.7
50°-60°	2343.2	22.1
60°-70°	2167.6	20.4
70°-80°	911.9	8.6
80°-90°	100.9	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°	10612.0	100.0
0°-180°	10612.0	100.0

Coefficient of Utilization



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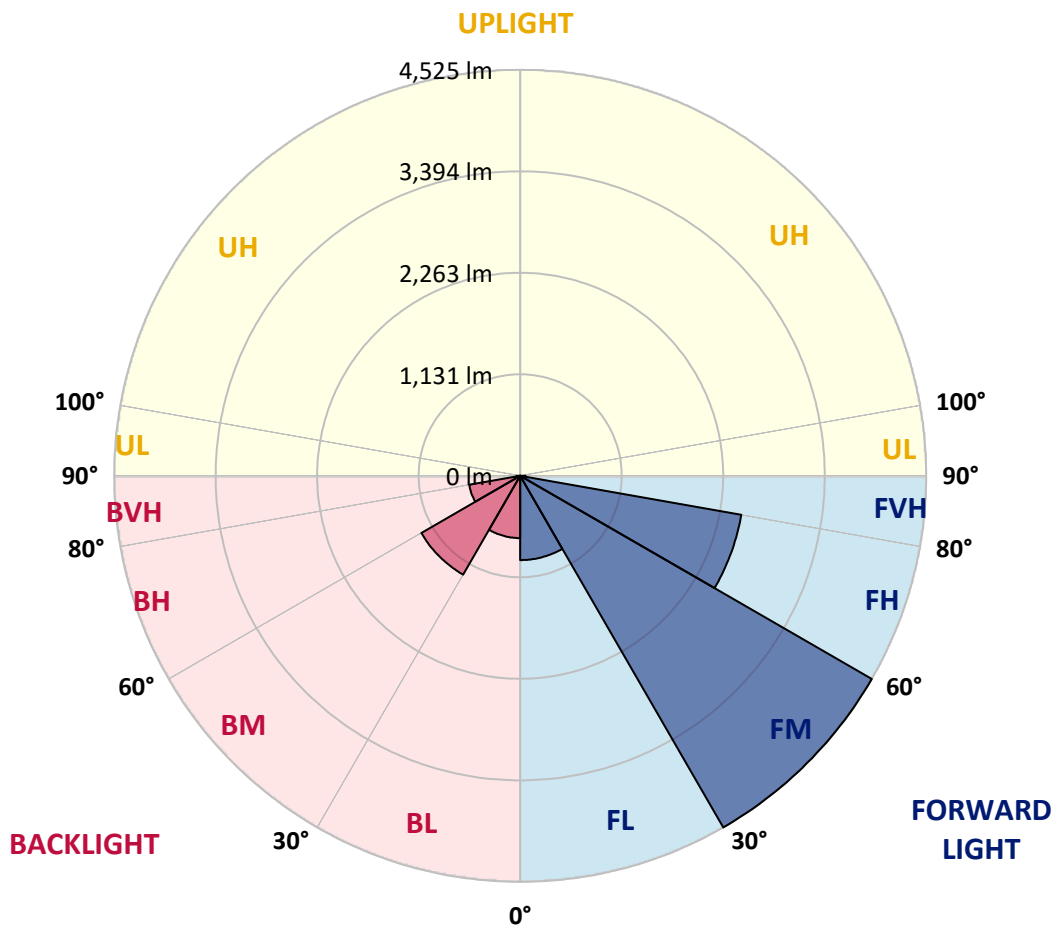
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	939.3	8.9			
FM	(30°-60°)	4525.4	42.6			
FH	(60°-80°)	2502.6	23.6			G2/5000
FVH	(80°-90°)	60.4	0.6			G1/100
BL	(0°-30°)	694.6	6.5	B2/1000		
BM	(30°-60°)	1272.3	12.0	B2/2500		
BH	(60°-80°)	576.9	5.4	B2/1000		G2/1000
BVH	(80°-90°)	40.5	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1739.7	1739.7	1739.7	1739.7	1739.7	1739.7	1739.7	1739.7	1739.7	1739.7	1739.7
2.5°	1734.2	1731.5	1736.9	1745.1	1749.2	1742.4	1739.7	1738.3	1738.3	1734.2	1741.0
5°	1652.3	1650.9	1663.2	1678.2	1706.9	1727.4	1754.7	1771.1	1765.6	1757.4	1762.9
7.5°	1545.8	1543.0	1558.0	1586.7	1626.3	1671.4	1738.3	1790.2	1810.7	1807.9	1806.6
10°	1586.7	1584.0	1582.6	1574.4	1588.1	1631.8	1701.4	1792.9	1862.6	1863.9	1865.3
12.5°	1728.7	1735.6	1728.7	1702.8	1672.7	1656.4	1697.3	1799.7	1906.3	1914.4	1948.6
15°	1922.6	1915.8	1902.2	1872.1	1825.7	1776.5	1746.5	1831.1	1969.1	1975.9	2051.0
17.5°	2093.3	2098.8	2090.6	2061.9	2007.3	1943.1	1851.6	1885.8	2036.0	2055.1	2160.2
20°	2279.0	2300.9	2290.0	2254.5	2209.4	2113.8	1999.1	1965.0	2109.7	2123.4	2273.6
22.5°	2493.4	2516.6	2496.2	2462.0	2425.1	2307.7	2160.2	2061.9	2171.2	2199.8	2382.8
25°	2750.1	2772.0	2752.9	2699.6	2653.2	2509.8	2333.7	2171.2	2231.2	2262.6	2471.6
27.5°	2953.6	2970.0	2987.7	2956.3	2885.3	2736.5	2513.9	2284.5	2291.3	2324.1	2553.5
30°	3135.2	3176.2	3191.2	3195.3	3135.2	2968.6	2698.2	2401.9	2343.2	2377.4	2635.4
32.5°	3383.7	3445.2	3420.6	3445.2	3409.7	3187.1	2889.4	2523.5	2410.1	2441.5	2713.3
35°	3747.0	3796.1	3731.9	3712.8	3655.5	3408.3	3073.8	2649.1	2498.9	2533.0	2787.0
37.5°	4137.5	4193.5	4100.6	4024.2	3914.9	3626.8	3232.2	2814.3	2621.8	2649.1	2855.3
40°	4478.9	4525.3	4444.7	4343.7	4160.7	3819.3	3368.7	2930.4	2744.7	2778.8	2934.5
42.5°	4794.3	4824.3	4734.2	4637.3	4392.8	3992.8	3516.2	3053.3	2888.1	2920.8	2998.7
45°	5113.8	5137.0	5011.4	4873.5	4586.7	4151.2	3678.7	3225.3	3098.3	3142.0	3102.4
47.5°	5171.2	5178.0	5156.2	5063.3	4739.7	4302.7	3879.4	3456.1	3419.2	3467.0	3281.3
50°	4773.8	4835.3	4970.5	5061.9	4801.1	4429.7	4080.1	3786.6	3861.7	3923.1	3652.7
52.5°	4002.3	4061.0	4373.7	4720.6	4653.7	4458.4	4295.9	4205.8	4485.7	4559.4	4158.0
55°	3188.5	3240.4	3570.8	4070.6	4177.1	4327.3	4526.7	4741.1	5281.8	5331.0	4712.4
57.5°	2625.9	2654.6	2890.8	3371.4	3542.1	3908.1	4650.9	5377.4	6091.5	6166.6	5194.4
60°	2153.4	2184.8	2361.0	2757.0	2983.6	3308.6	4552.6	6005.5	7058.3	7058.3	5813.0
62.5°	1620.9	1648.2	1812.0	2122.0	2503.0	2800.7	4238.5	6422.0	7787.5	7754.7	6260.9
65°	1112.9	1134.7	1253.5	1459.7	1802.5	2386.9	3809.8	6427.5	8270.9	8227.2	6452.0
66°	934.0	953.1	1054.2	1220.8	1508.9	2165.7	3658.2	6311.4	8371.9	8310.5	6371.5
67.5°	737.4	751.0	817.9	916.3	1106.1	1753.3	3419.2	5982.3	8362.4	8325.5	6166.6
70°	527.1	536.6	585.8	606.3	654.1	1014.6	2716.0	5239.5	7691.9	7702.8	5361.0
72.5°	408.3	423.3	453.3	457.4	446.5	539.4	1648.2	4371.0	6292.3	6288.2	3979.1
75°	329.1	337.3	352.3	360.5	357.8	348.2	697.8	3260.8	4331.4	4381.9	2228.5
77.5°	259.4	258.1	271.7	282.7	290.9	273.1	319.5	1911.7	2270.8	2206.7	837.1
80°	191.2	191.2	210.3	214.4	226.7	229.4	213.0	737.4	779.7	708.7	217.1
82.5°	125.6	125.6	146.1	148.8	161.1	178.9	154.3	221.2	215.8	204.8	98.3
85°	68.3	65.5	72.4	81.9	88.8	105.1	92.9	110.6	113.3	112.0	65.5
87.5°	13.7	12.3	19.1	21.8	24.6	32.8	30.0	45.1	62.8	61.4	28.7
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°	1739.7	1739.7	1739.7	1739.7	1739.7	1739.7	1739.7	1739.7	1739.7	1739.7	1739.7
2.5°	1750.6	1749.2	1764.2	1782.0	1802.5	1814.8	1820.2	1829.8	1823.0	1825.7	1833.9
5°	1776.5	1780.6	1802.5	1825.7	1835.2	1828.4	1813.4	1807.9	1795.6	1792.9	1790.2
7.5°	1814.8	1821.6	1843.4	1848.9	1820.2	1772.4	1738.3	1719.2	1698.7	1693.2	1690.5
10°	1877.6	1881.7	1887.1	1831.1	1760.1	1696.0	1653.6	1635.9	1622.2	1611.3	1614.0
12.5°	1956.8	1954.0	1911.7	1795.6	1694.6	1629.1	1600.4	1589.5	1579.9	1573.1	1571.7
15°	2056.5	2037.3	1915.8	1746.5	1633.1	1578.5	1558.0	1554.0	1543.0	1543.0	1541.7
17.5°	2157.5	2108.3	1913.1	1694.6	1574.4	1544.4	1532.1	1529.4	1526.6	1525.3	1529.4
20°	2258.6	2171.2	1891.2	1630.4	1533.5	1515.7	1513.0	1514.4	1511.6	1515.7	1513.0
22.5°	2347.3	2212.1	1850.3	1562.1	1504.8	1503.4	1496.6	1499.3	1508.9	1510.3	1514.4
25°	2415.6	2227.1	1790.2	1499.3	1484.3	1481.6	1489.8	1500.7	1508.9	1510.3	1517.1
27.5°	2471.6	2219.0	1715.1	1450.2	1448.8	1463.8	1488.4	1492.5	1493.9	1493.9	1488.4
30°	2513.9	2201.2	1619.5	1395.6	1402.4	1439.2	1462.5	1462.5	1451.5	1448.8	1457.0
32.5°	2523.5	2178.0	1515.7	1339.6	1350.5	1394.2	1422.9	1413.3	1401.0	1401.0	1406.5
35°	2531.7	2146.6	1432.4	1263.1	1279.5	1331.4	1358.7	1339.6	1325.9	1321.8	1320.4
37.5°	2528.9	2134.3	1357.3	1166.1	1188.0	1238.5	1256.3	1238.5	1218.0	1208.5	1220.8
40°	2531.7	2126.1	1263.1	1059.6	1081.5	1111.5	1134.7	1121.1	1102.0	1077.4	1089.7
42.5°	2548.0	2137.0	1159.3	955.9	955.9	972.2	1011.8	1002.3	955.9	946.3	957.2
45°	2635.4	2195.7	1055.5	852.1	837.1	848.0	888.9	848.0	819.3	819.3	828.9
47.5°	2847.1	2305.0	964.0	760.6	725.1	746.9	757.9	719.6	697.8	692.3	701.9
50°	3278.6	2523.5	909.4	685.5	641.8	658.2	651.3	650.0	628.1	630.9	636.3
52.5°	3934.0	2949.5	893.0	648.6	594.0	598.1	591.3	594.0	589.9	603.6	607.7
55°	4648.2	3398.8	913.5	654.1	561.2	532.5	535.3	548.9	565.3	587.2	591.3
57.5°	5182.1	3624.1	966.8	690.9	520.3	476.6	483.4	509.3	540.7	558.5	568.1
60°	5579.5	3596.8	1044.6	700.5	471.1	426.0	438.3	476.6	503.9	518.9	528.5
62.5°	5709.2	3426.1	1063.7	630.9	406.9	378.2	408.3	447.9	460.2	476.6	483.4
65°	5602.7	3184.4	924.5	512.1	357.8	342.7	386.4	416.5	432.9	441.1	442.4
66°	5477.1	3039.6	849.3	465.6	340.0	331.8	378.2	402.8	419.2	417.8	419.2
67.5°	5201.2	2736.5	727.8	400.1	314.1	315.4	364.6	381.0	386.4	382.3	382.3
70°	4263.1	1926.7	521.6	303.1	275.8	295.0	327.7	331.8	344.1	338.6	338.6
72.5°	2628.6	946.3	349.6	232.1	245.8	275.8	274.5	288.1	316.8	325.0	330.5
75°	1291.8	383.7	230.8	196.6	219.8	230.8	228.0	262.2	303.1	338.6	350.9
77.5°	490.2	191.2	161.1	172.1	177.5	173.4	181.6	237.6	303.1	367.3	379.6
80°	151.6	132.5	127.0	142.0	133.8	127.0	136.6	196.6	256.7	278.6	278.6
82.5°	91.5	103.8	98.3	97.0	90.1	91.5	98.3	140.6	198.0	207.6	207.6
85°	64.2	68.3	56.0	53.3	51.9	50.5	50.5	81.9	117.4	116.1	120.2
87.5°	24.6	27.3	20.5	20.5	19.1	13.7	10.9	13.7	13.7	9.6	6.8
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)