

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: P639261

Luminaire Tested: **USSL-M-PA6B-740-U-T2U**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639261
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-719-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-M-PA6B-740-U-T2U
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K LIGHT ENGINES AND TYPE II U OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52294 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 365.8
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

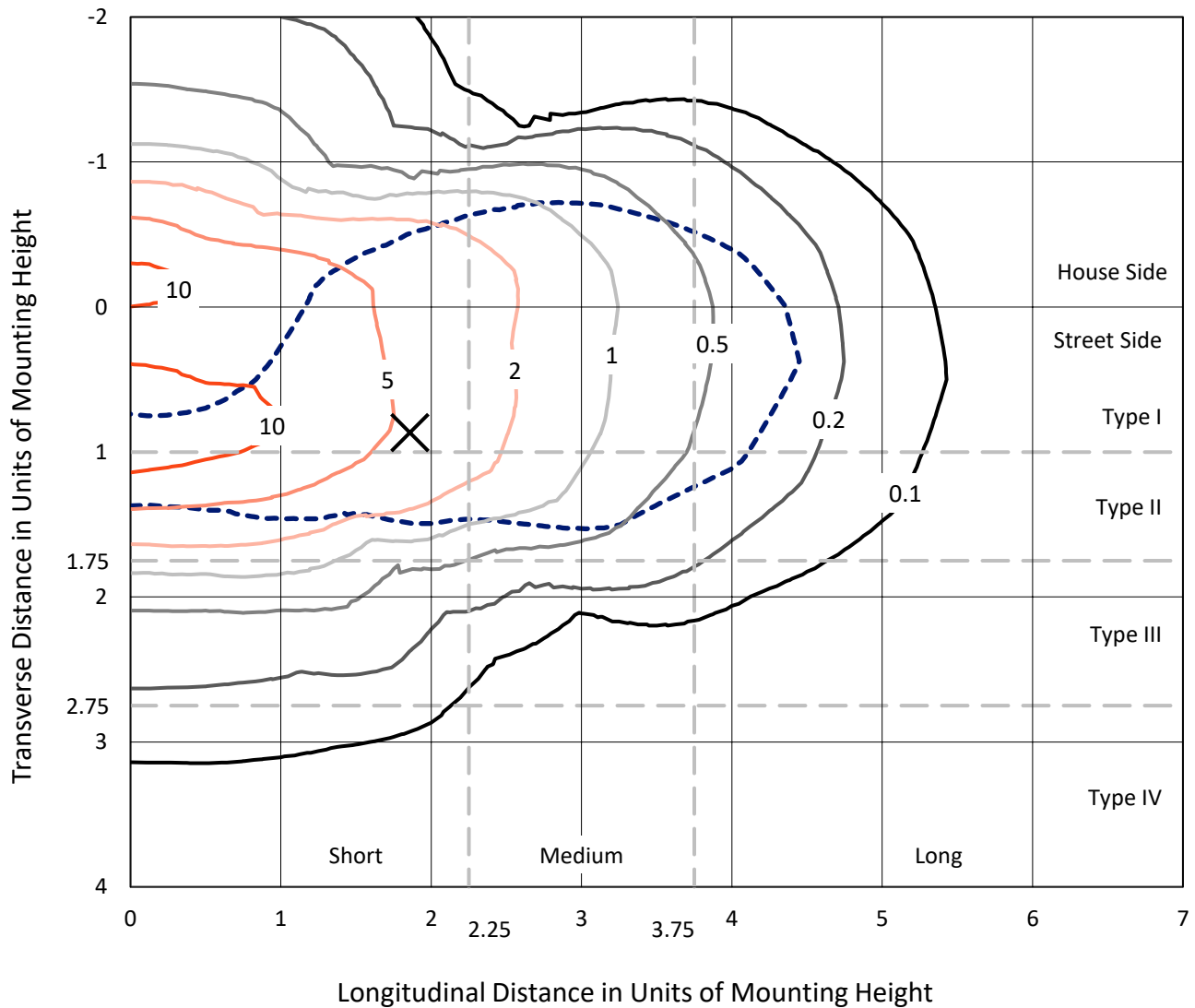


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

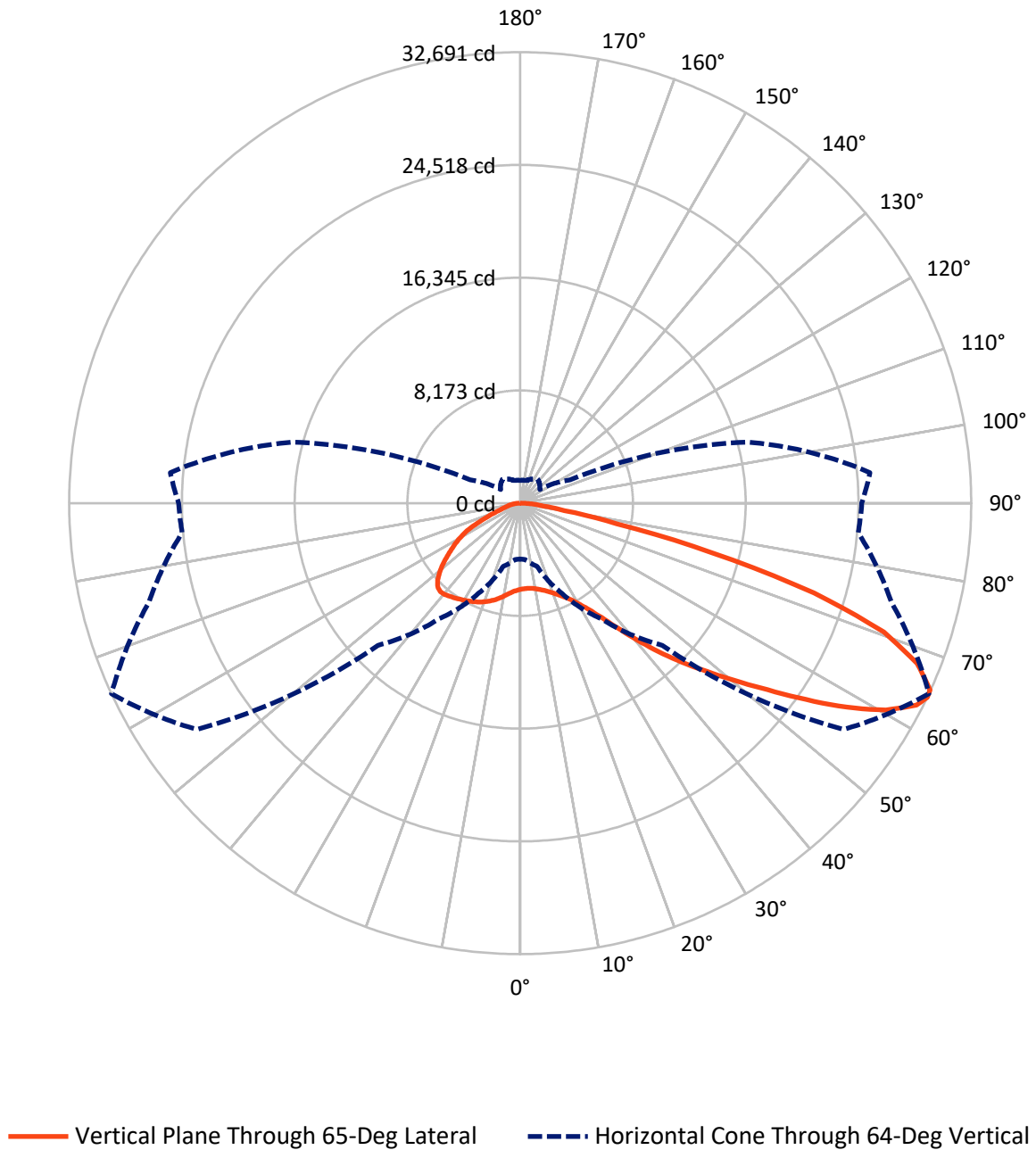


Based on 25 foot mounting height. Maximum calculated value = 13.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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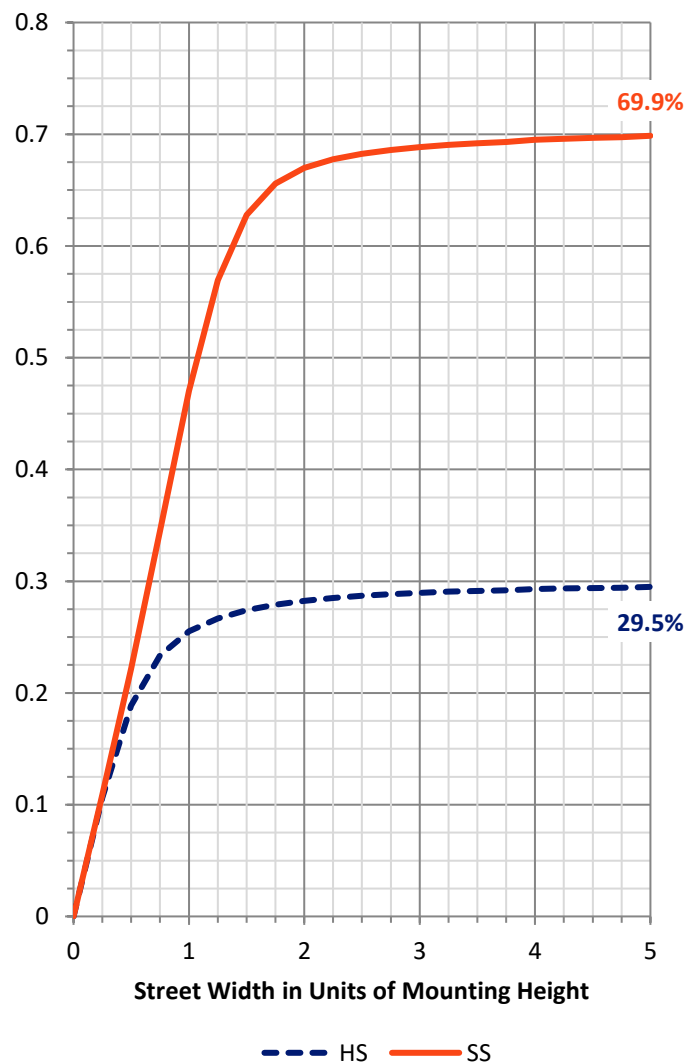
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15593.8	0.0	15593.8
	% Fixture	29.8	0.0	29.8
Street Side	Lumens	36700.2	0.0	36700.2
	% Fixture	70.2	0.0	70.2
Total	Lumens	52294.0	0.0	52294.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.7	1.2
10°-20°	1959.0	3.7
20°-30°	3520.1	6.7
30°-40°	5737.6	11.0
40°-50°	9565.2	18.3
50°-60°	12444.9	23.8
60°-70°	11226.1	21.5
70°-80°	6274.3	12.0
80°-90°	951.2	1.8
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°	52294.0	100.0
0°-180°	52294.0	100.0

Coefficient of Utilization



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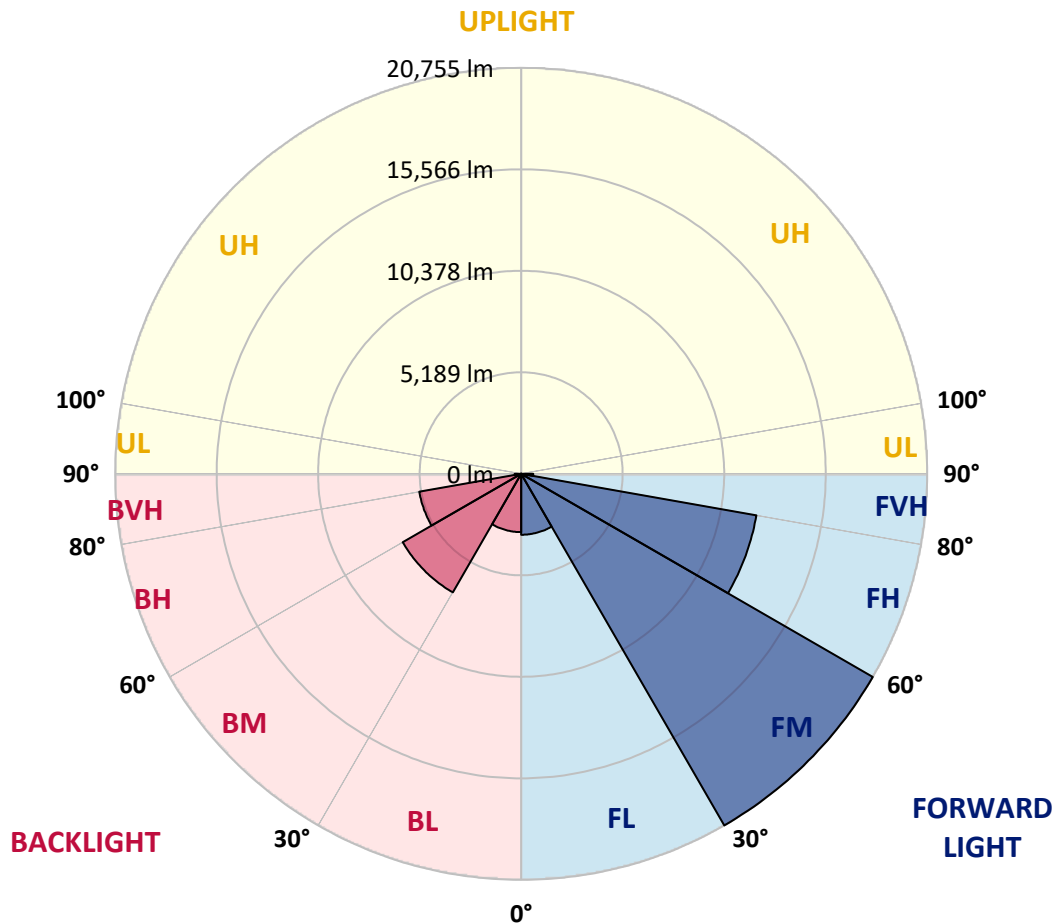
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3115.4	6.0			
FM	(30°-60°)	20755.2	39.7			
FH	(60°-80°)	12211.2	23.4			G5
FVH	(80°-90°)	618.4	1.2			G4/750
BL	(0°-30°)	2979.4	5.7	B4/5000		
BM	(30°-60°)	6992.4	13.4	B4/8500		
BH	(60°-80°)	5289.2	10.1	B5		G5
BVH	(80°-90°)	332.8	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6240.3	6240.3	6240.3	6240.3	6240.3	6240.3	6240.3	6240.3	6240.3	6240.3	6240.3
2.5°	6235.3	6186.0	6188.5	6188.5	6189.8	6192.3	6201.1	6207.5	6213.8	6225.2	6249.2
5°	6201.1	6155.6	6162.0	6165.7	6173.3	6182.2	6192.3	6197.3	6207.5	6231.5	6264.3
7.5°	6175.9	6130.4	6139.2	6145.5	6158.2	6179.7	6211.3	6236.5	6251.7	6284.6	6328.8
10°	6217.6	6165.7	6174.6	6172.1	6178.4	6212.5	6261.8	6314.9	6336.4	6379.4	6435.0
12.5°	6330.1	6278.2	6280.8	6261.8	6268.1	6306.1	6361.7	6427.4	6452.7	6498.2	6555.1
15°	6505.8	6435.0	6436.2	6421.1	6416.0	6452.7	6499.4	6560.1	6585.4	6632.2	6685.2
17.5°	6804.1	6738.3	6708.0	6642.3	6619.5	6651.1	6695.4	6745.9	6768.7	6787.6	6835.7
20°	7322.3	7241.4	7174.4	7046.7	6930.5	6905.2	6926.7	6973.4	6973.4	6963.3	7003.8
22.5°	8063.0	7987.2	7887.3	7663.6	7391.8	7255.3	7209.8	7238.9	7216.1	7171.9	7180.7
25°	8965.5	8808.8	8724.1	8451.0	8022.6	7734.4	7572.6	7552.3	7527.1	7455.0	7434.8
27.5°	10081.6	9935.0	9721.4	9339.6	8778.4	8353.7	8052.9	7959.4	7901.2	7767.2	7709.1
30°	11391.1	11167.4	10905.7	10371.0	9675.9	9107.1	8667.2	8501.6	8363.8	8128.7	8022.6
32.5°	12864.9	12614.6	12301.2	11607.2	10759.1	10027.2	9486.3	9204.4	8990.8	8684.9	8486.4
35°	14831.7	14591.5	13972.2	13174.6	12049.6	11139.6	10520.2	10182.7	9921.1	9512.8	9246.1
37.5°	17314.1	16879.3	16065.3	15089.5	13668.8	12521.1	11756.4	11478.3	11166.1	10634.0	10264.9
40°	19427.5	18988.9	18367.1	17264.9	15746.8	14358.9	13373.0	13009.0	12628.5	11914.4	11502.3
42.5°	21050.5	20611.9	20153.1	19417.4	18216.6	16803.5	15190.6	14716.6	14175.7	13283.3	12738.5
45°	22027.6	21537.1	21304.6	21166.8	20753.5	20772.4	17368.5	16455.9	15720.3	14716.6	14046.7
47.5°	22312.0	21791.2	21839.2	22262.7	22901.0	23634.1	19918.0	18239.4	17286.3	16060.3	15401.7
50°	21394.3	21010.1	21537.1	22818.8	24587.2	25851.1	22737.9	20204.9	18879.0	17540.4	16745.4
52.5°	18518.7	18511.1	19677.8	22208.3	25598.3	27835.6	25629.9	22461.1	20541.1	18983.9	18152.2
55°	14642.1	14638.3	16372.5	19705.6	25202.7	28583.9	28061.9	25126.9	22263.9	20384.4	19610.8
57.5°	10273.7	10621.3	12624.7	15736.7	22325.9	28041.6	29557.2	27916.5	23955.2	21753.3	21016.4
60°	6709.3	6850.8	8906.1	12284.7	17515.1	25154.7	30185.4	30454.6	25585.7	22947.8	22446.0
62.5°	4781.7	4812.0	5773.9	9177.8	12479.4	19541.3	29649.4	32238.1	27092.4	24029.7	23914.7
64°	4049.8	4096.6	4743.8	7254.0	10224.4	14573.8	28591.5	32690.6	27867.2	24596.0	24757.8
65°	3664.3	3708.5	4230.6	6113.9	9115.9	11798.1	27300.9	32651.4	28374.1	24928.4	25277.3
67.5°	3004.5	3008.3	3288.9	4199.0	6799.0	6902.7	20908.9	31023.4	28990.9	25431.5	26273.3
70°	2687.2	2701.1	2852.8	3180.2	5076.2	4617.4	11822.1	27958.2	28323.5	25221.7	26359.3
72.5°	2199.3	2239.8	2486.3	2747.9	3642.8	3235.8	5535.0	22272.8	25464.4	24012.0	24947.4
75°	1714.0	1743.0	1980.7	2424.3	2613.9	2419.3	3067.7	14385.5	20408.4	21298.2	21279.3
77.5°	1290.5	1319.6	1523.1	1918.7	2325.7	1797.4	2067.9	7149.1	14103.6	16108.3	15324.6
80°	975.8	974.5	1154.0	1446.0	1898.5	1348.7	1396.7	3240.9	8061.7	9635.4	8506.7
82.5°	672.4	686.3	848.1	1108.5	1314.6	1298.1	978.3	1677.3	3565.7	4054.9	3903.2
85°	471.5	465.1	600.4	730.6	867.1	939.1	654.7	942.9	1543.3	807.7	719.2
87.5°	262.9	261.6	356.4	403.2	432.3	379.2	390.6	366.6	606.7	318.5	204.8
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6240.3	6240.3	6240.3	6240.3	6240.3	6240.3	6240.3	6240.3	6240.3	6240.3
2.5°	6242.9	6279.5	6312.4	6342.7	6352.8	6381.9	6414.8	6422.3	6431.2	6364.2
5°	6274.5	6347.8	6428.7	6495.6	6555.1	6618.3	6695.4	6710.5	6743.4	6658.7
7.5°	6362.9	6471.6	6603.1	6714.3	6814.2	6905.2	7003.8	7040.4	7061.9	6979.8
10°	6481.7	6638.5	6802.8	6970.9	7092.3	7193.4	7271.7	7273.0	7295.8	7217.4
12.5°	6615.7	6809.1	7018.9	7204.7	7327.4	7379.2	7394.3	7350.1	7351.4	7266.7
15°	6749.7	6976.0	7230.0	7407.0	7463.9	7432.3	7391.8	7333.7	7323.6	7233.8
17.5°	6912.8	7154.2	7407.0	7546.0	7498.0	7404.5	7355.2	7285.6	7278.1	7184.5
20°	7070.8	7336.2	7576.4	7616.8	7456.3	7321.0	7251.5	7147.9	7128.9	7031.6
22.5°	7232.6	7503.1	7726.8	7623.1	7357.7	7146.6	7016.4	6876.1	6844.5	6758.6
25°	7442.4	7675.0	7855.7	7572.6	7159.2	6824.3	6628.4	6481.7	6465.3	6398.3
27.5°	7719.2	7905.0	7984.6	7461.3	6839.5	6379.4	6136.7	6002.7	6021.7	5938.2
30°	7982.1	8151.5	8102.2	7265.4	6381.9	5803.0	5597.0	5497.1	5530.0	5447.8
32.5°	8353.7	8448.5	8212.1	6979.8	5852.3	5255.7	5081.2	4940.9	4910.6	4891.6
35°	9035.0	8999.6	8339.8	6644.8	5320.1	4745.0	4492.2	4257.1	4201.5	4109.2
37.5°	9969.1	9793.4	8454.8	6282.0	4817.1	4225.5	3884.2	3617.5	3526.5	3454.5
40°	11052.3	10718.6	8580.0	5846.0	4349.4	3709.8	3397.6	3117.0	3018.4	2989.3
42.5°	12235.4	11635.0	8643.2	5253.1	3924.7	3386.2	3027.3	2771.9	2660.7	2606.3
45°	13488.0	12505.9	8520.6	4599.7	3593.5	3146.1	2758.0	2443.3	2316.9	2300.5
47.5°	14721.7	13199.9	8178.0	4028.3	3354.6	2967.9	2457.2	2249.9	2175.3	2151.3
50°	16110.8	13776.2	7654.7	3527.8	3143.5	2694.8	2310.6	2158.9	2098.2	2081.8
52.5°	17566.9	14260.3	7045.5	3143.5	2883.2	2533.0	2236.0	2072.9	2027.4	2013.5
55°	19112.8	14728.0	6386.9	2793.4	2571.0	2462.3	2167.7	2000.9	1969.3	1961.7
57.5°	20836.9	15270.3	5771.4	2411.7	2380.1	2394.0	2117.2	1950.3	1926.3	1921.3
60°	22605.2	15950.3	5183.6	2100.8	2229.7	2328.3	2065.4	1884.6	1840.4	1825.2
62.5°	24439.3	16701.1	4499.8	1854.3	2079.3	2239.8	1987.0	1778.4	1736.7	1716.5
64°	25456.8	17092.9	4003.1	1730.4	1993.3	2167.7	1918.7	1697.5	1667.2	1647.0
65°	26024.3	17309.1	3602.4	1659.6	1931.4	2112.1	1864.4	1636.9	1624.2	1601.5
67.5°	26830.7	17387.5	2693.6	1509.2	1755.7	1939.0	1701.3	1499.1	1530.7	1489.0
70°	26235.4	16644.2	1941.5	1370.2	1561.0	1740.5	1552.2	1355.0	1394.2	1325.9
72.5°	23905.9	14418.3	1466.2	1219.8	1362.6	1537.0	1380.3	1194.5	1165.4	1118.6
75°	19201.3	10721.2	1161.6	1075.7	1174.2	1327.2	1205.8	1022.6	959.4	936.6
77.5°	13527.2	6338.9	939.1	921.4	997.3	1106.0	1031.4	869.6	787.5	782.4
80°	7371.6	2788.4	766.0	759.7	806.4	903.8	865.8	720.5	632.0	610.5
82.5°	2788.4	1194.5	581.4	587.8	621.9	699.0	677.5	548.6	504.3	418.4
85°	710.4	589.0	377.9	380.5	374.1	460.1	452.5	357.7	304.6	279.3
87.5°	284.4	219.9	141.6	154.2	146.6	212.4	216.1	169.4	103.6	89.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)