

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: P639162

Luminaire Tested: **USSL-M-PA6A-730-U-T2U**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639162
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-PA6A-730-U-T2U
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K LIGHT ENGINES AND TYPE II U OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37678 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 273.8
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



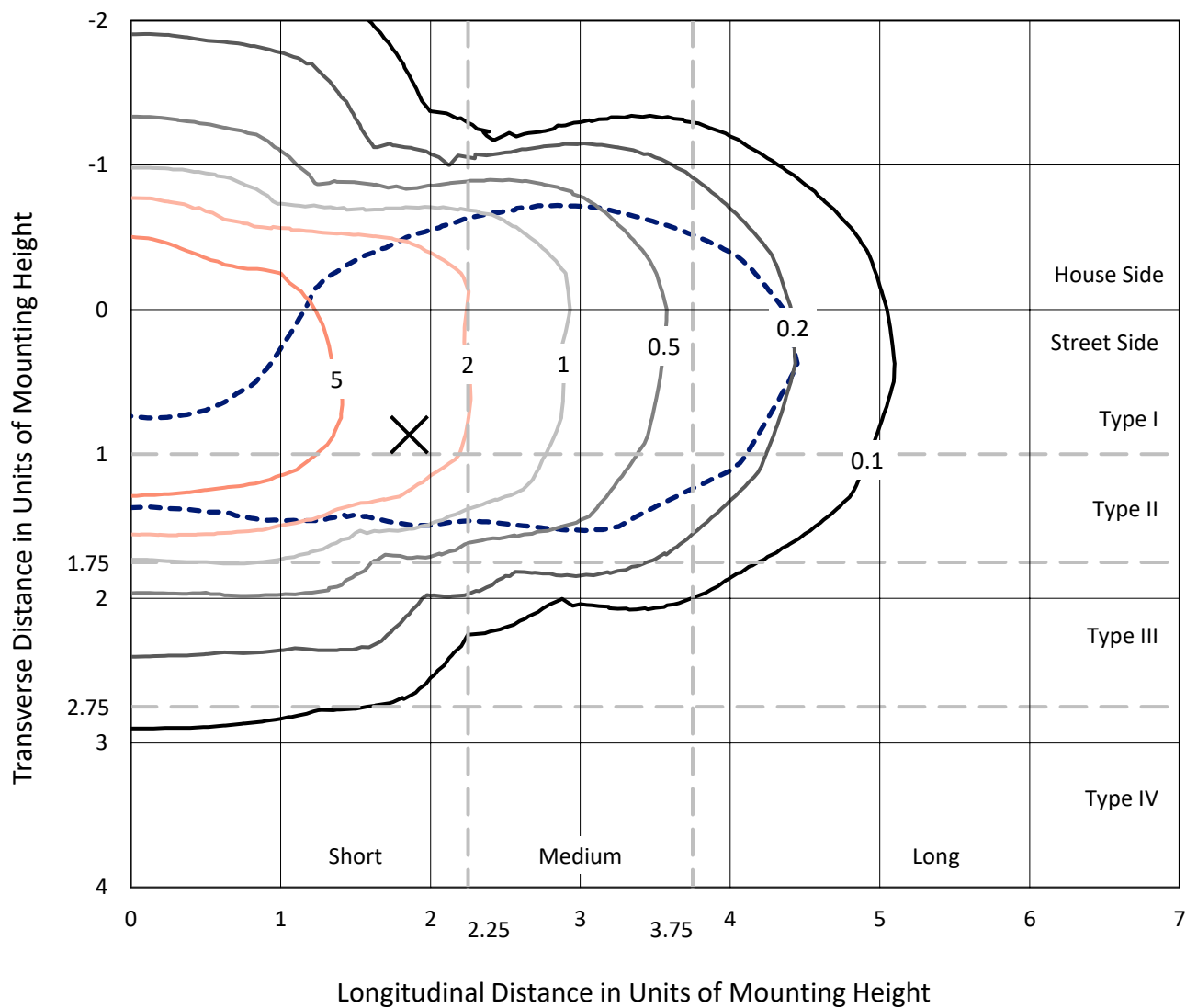
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

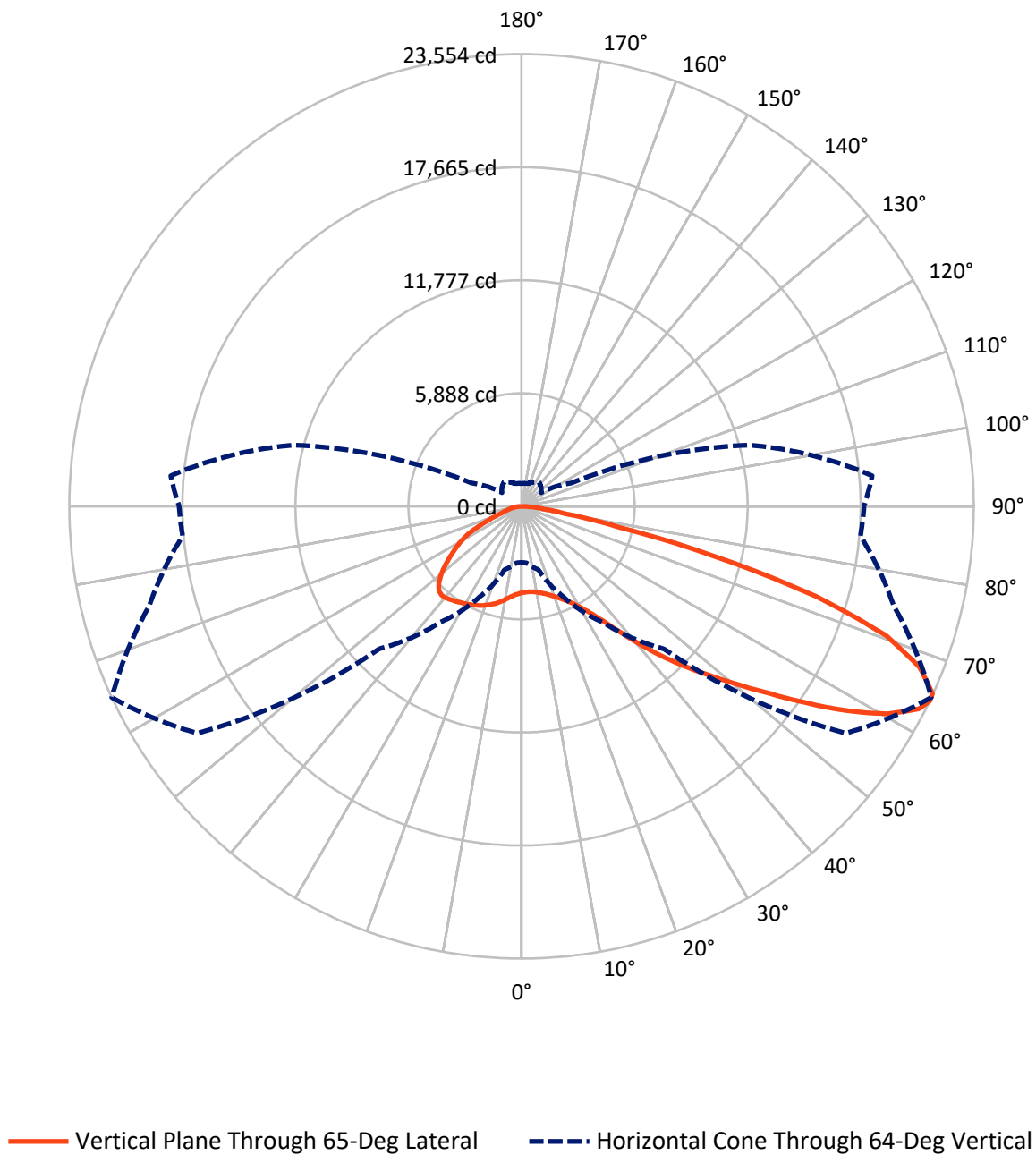


Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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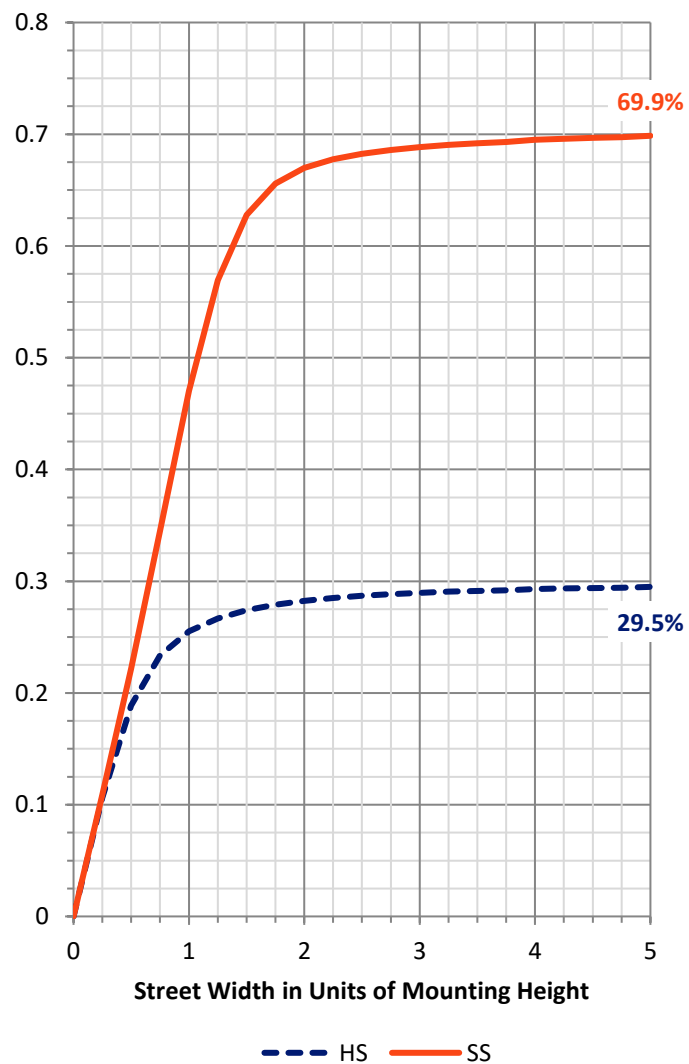
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11235.4	0.0	11235.4
	% Fixture	29.8	0.0	29.8
Street Side	Lumens	26442.6	0.0	26442.6
	% Fixture	70.2	0.0	70.2
Total	Lumens	37678.0	0.0	37678.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	443.6	1.2
10°-20°	1411.4	3.7
20°-30°	2536.2	6.7
30°-40°	4134.0	11.0
40°-50°	6891.7	18.3
50°-60°	8966.6	23.8
60°-70°	8088.5	21.5
70°-80°	4520.6	12.0
80°-90°	685.3	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°	37678.0	100.0
0°-180°	37678.0	100.0

Coefficient of Utilization



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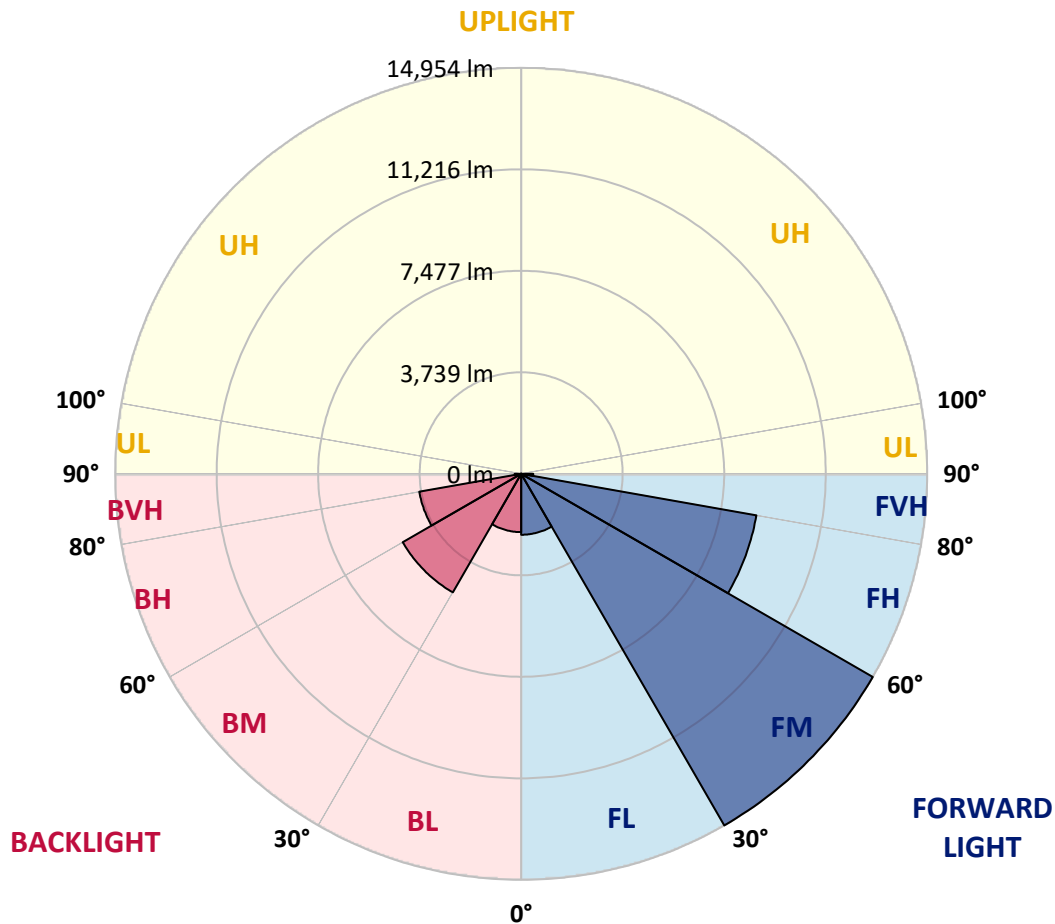
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2244.6	6.0			
FM	(30°-60°)	14954.2	39.7			
FH	(60°-80°)	8798.2	23.4			G4/12000
FVH	(80°-90°)	445.6	1.2			G3/500
BL	(0°-30°)	2146.7	5.7	B3/2500		
BM	(30°-60°)	5038.1	13.4	B4/8500		
BH	(60°-80°)	3810.9	10.1	B4/5000		G4/5000
BVH	(80°-90°)	239.8	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4496.2	4496.2	4496.2	4496.2	4496.2	4496.2	4496.2	4496.2	4496.2	4496.2	4496.2
2.5°	4492.5	4457.0	4458.8	4458.8	4459.7	4461.6	4467.9	4472.5	4477.0	4485.2	4502.5
5°	4467.9	4435.2	4439.7	4442.4	4447.9	4454.3	4461.6	4465.2	4472.5	4489.8	4513.5
7.5°	4449.7	4416.9	4423.3	4427.9	4437.0	4452.5	4475.2	4493.4	4504.4	4528.0	4559.9
10°	4479.8	4442.4	4448.8	4447.0	4451.5	4476.1	4511.7	4549.9	4565.4	4596.4	4636.4
12.5°	4560.8	4523.5	4525.3	4511.7	4516.2	4543.5	4583.6	4631.0	4649.2	4682.0	4722.9
15°	4687.4	4636.4	4637.3	4626.4	4622.8	4649.2	4682.9	4726.6	4744.8	4778.5	4816.7
17.5°	4902.4	4855.0	4833.1	4785.8	4769.4	4792.2	4824.0	4860.5	4876.9	4890.5	4925.1
20°	5275.7	5217.5	5169.2	5077.2	4993.4	4975.2	4990.7	5024.4	5024.4	5017.1	5046.2
22.5°	5809.4	5754.8	5682.8	5521.6	5325.8	5227.5	5194.7	5215.6	5199.2	5167.4	5173.7
25°	6459.7	6346.7	6285.7	6089.0	5780.3	5572.6	5456.1	5441.5	5423.3	5371.4	5356.8
27.5°	7263.8	7158.2	7004.3	6729.2	6324.9	6018.9	5802.1	5734.7	5692.8	5596.3	5554.4
30°	8207.3	8046.1	7857.6	7472.4	6971.5	6561.7	6244.7	6125.4	6026.2	5856.8	5780.3
32.5°	9269.2	9088.9	8863.0	8363.0	7752.0	7224.7	6834.9	6631.8	6477.9	6257.5	6114.5
35°	10686.3	10513.2	10067.0	9492.3	8681.8	8026.1	7579.8	7336.7	7148.2	6854.0	6661.8
37.5°	12474.9	12161.6	11575.1	10872.1	9848.4	9021.5	8470.5	8270.2	8045.2	7661.8	7395.9
40°	13997.6	13681.6	13233.5	12439.4	11345.6	10345.7	9635.3	9373.0	9098.9	8584.3	8287.5
42.5°	15167.0	14850.9	14520.4	13990.3	13125.1	12107.0	10944.9	10603.4	10213.6	9570.6	9178.1
45°	15870.9	15517.6	15350.0	15250.7	14952.9	14966.6	12514.1	11856.5	11326.5	10603.4	10120.7
47.5°	16075.8	15700.6	15735.2	16040.3	16500.2	17028.4	14351.0	13141.5	12454.9	11571.5	11097.0
50°	15414.7	15137.8	15517.6	16441.0	17715.1	18625.8	16382.8	14557.7	13602.4	12637.9	12065.1
52.5°	13342.8	13337.3	14177.9	16001.2	18443.7	20055.6	18466.5	16183.3	14799.9	13677.9	13078.7
55°	10549.7	10546.9	11796.4	14198.0	18158.6	20594.8	20218.7	18104.0	16041.2	14687.0	14129.7
57.5°	7402.2	7652.7	9096.2	11338.3	16085.9	20204.1	21296.0	20113.9	17259.8	15673.3	15142.4
60°	4834.0	4936.0	6416.9	8851.2	12619.7	18124.0	21748.7	21942.6	18434.6	16533.9	16172.4
62.5°	3445.2	3467.1	4160.1	6612.7	8991.4	14079.6	21362.5	23227.6	19520.2	17313.5	17230.6
64°	2917.9	2951.6	3417.9	5226.6	7366.7	10500.5	20600.3	23553.7	20078.4	17721.5	17838.1
65°	2640.1	2672.0	3048.1	4405.1	6568.0	8500.6	19670.4	23525.5	20443.6	17961.0	18212.4
67.5°	2164.8	2167.5	2369.7	3025.4	4898.7	4973.4	15065.0	22352.5	20888.0	18323.5	18930.0
70°	1936.2	1946.2	2055.5	2291.3	3657.4	3326.8	8517.9	20144.0	20407.2	18172.3	18991.9
72.5°	1584.6	1613.8	1791.4	1979.9	2624.7	2331.4	3988.0	16047.6	18347.2	17300.8	17974.7
75°	1234.9	1255.9	1427.1	1746.7	1883.3	1743.1	2210.3	10364.8	14704.3	15345.5	15331.8
77.5°	929.8	950.8	1097.4	1382.5	1675.7	1295.0	1489.9	5151.0	10161.7	11606.1	11041.4
80°	703.1	702.2	831.5	1041.9	1367.9	971.7	1006.3	2335.1	5808.5	6942.3	6129.1
82.5°	484.5	494.5	611.1	798.7	947.1	935.3	704.9	1208.5	2569.1	2921.6	2812.3
85°	339.7	335.1	432.6	526.4	624.7	676.7	471.7	679.4	1112.0	581.9	518.2
87.5°	189.4	188.5	256.8	290.5	311.5	273.2	281.4	264.1	437.1	229.5	147.5
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4496.2	4496.2	4496.2	4496.2	4496.2	4496.2	4496.2	4496.2	4496.2	4496.2
2.5°	4498.0	4524.4	4548.1	4569.9	4577.2	4598.2	4621.9	4627.3	4633.7	4585.4
5°	4520.8	4573.6	4631.9	4680.1	4722.9	4768.5	4824.0	4835.0	4858.6	4797.6
7.5°	4584.5	4662.8	4757.5	4837.7	4909.6	4975.2	5046.2	5072.7	5088.1	5028.9
10°	4670.1	4783.0	4901.4	5022.6	5110.0	5182.8	5239.3	5240.2	5256.6	5200.2
12.5°	4766.7	4906.0	5057.2	5191.0	5279.4	5316.7	5327.7	5295.8	5296.7	5235.7
15°	4863.2	5026.2	5209.3	5336.8	5377.7	5355.0	5325.8	5283.9	5276.7	5212.0
17.5°	4980.7	5154.6	5336.8	5436.9	5402.3	5334.9	5299.4	5249.3	5243.9	5176.5
20°	5094.5	5285.8	5458.8	5487.9	5372.3	5274.8	5224.7	5150.1	5136.4	5066.3
22.5°	5211.1	5406.0	5567.2	5492.5	5301.2	5149.2	5055.3	4954.3	4931.5	4869.6
25°	5362.3	5529.8	5660.1	5456.1	5158.3	4916.9	4775.8	4670.1	4658.3	4610.0
27.5°	5561.7	5695.6	5753.0	5375.9	4927.8	4596.4	4421.5	4325.0	4338.6	4278.5
30°	5751.1	5873.2	5837.6	5234.8	4598.2	4181.1	4032.6	3960.7	3984.4	3925.2
32.5°	6018.9	6087.2	5916.9	5028.9	4216.6	3786.7	3661.1	3560.0	3538.1	3524.4
35°	6509.8	6484.3	6008.9	4787.6	3833.2	3418.8	3236.7	3067.3	3027.2	2960.7
37.5°	7182.8	7056.2	6091.7	4526.2	3470.7	3044.5	2798.6	2606.5	2540.9	2489.0
40°	7963.2	7722.8	6181.9	4212.0	3133.8	2672.9	2448.0	2245.8	2174.8	2153.8
42.5°	8815.7	8383.1	6227.4	3784.9	2827.8	2439.8	2181.1	1997.2	1917.0	1877.9
45°	9718.2	9010.6	6139.1	3314.1	2589.1	2266.8	1987.2	1760.4	1669.3	1657.5
47.5°	10607.0	9510.5	5892.3	2902.4	2417.0	2138.3	1770.4	1621.1	1567.3	1550.0
50°	11607.9	9925.8	5515.3	2541.8	2264.9	1941.6	1664.8	1555.5	1511.8	1499.9
52.5°	12657.0	10274.6	5076.3	2264.9	2077.3	1825.1	1611.0	1493.6	1460.8	1450.8
55°	13770.8	10611.6	4601.8	2012.7	1852.4	1774.1	1561.9	1441.7	1418.9	1413.4
57.5°	15013.0	11002.3	4158.3	1737.6	1714.9	1724.9	1525.4	1405.2	1387.9	1384.3
60°	16287.1	11492.2	3734.8	1513.6	1606.5	1677.5	1488.1	1357.9	1326.0	1315.1
62.5°	17608.6	12033.2	3242.1	1336.0	1498.1	1613.8	1431.6	1281.4	1251.3	1236.7
64°	18341.7	12315.5	2884.2	1246.8	1436.2	1561.9	1382.5	1223.1	1201.2	1186.7
65°	18750.6	12471.3	2595.5	1195.8	1391.6	1521.8	1343.3	1179.4	1170.3	1153.9
67.5°	19331.6	12527.7	1940.7	1087.4	1265.0	1397.0	1225.8	1080.1	1102.9	1072.8
70°	18902.7	11992.2	1398.9	987.2	1124.7	1254.0	1118.4	976.3	1004.5	955.3
72.5°	17224.3	10388.5	1056.4	878.8	981.7	1107.4	994.5	860.6	839.7	806.0
75°	13834.6	7724.6	836.9	775.0	846.0	956.2	868.8	736.8	691.2	674.8
77.5°	9746.4	4567.2	676.7	663.9	718.5	796.9	743.1	626.6	567.4	563.7
80°	5311.3	2009.0	551.9	547.3	581.0	651.2	623.8	519.1	455.4	439.9
82.5°	2009.0	860.6	418.9	423.5	448.1	503.6	488.1	395.2	363.4	301.4
85°	511.8	424.4	272.3	274.1	269.6	331.5	326.0	257.7	219.5	201.3
87.5°	204.9	158.5	102.0	111.1	105.6	153.0	155.7	122.0	74.7	64.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)