

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: P943722

Luminaire Tested: **GLAN-SB8B-830-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8B-830-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40557 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 292.8
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



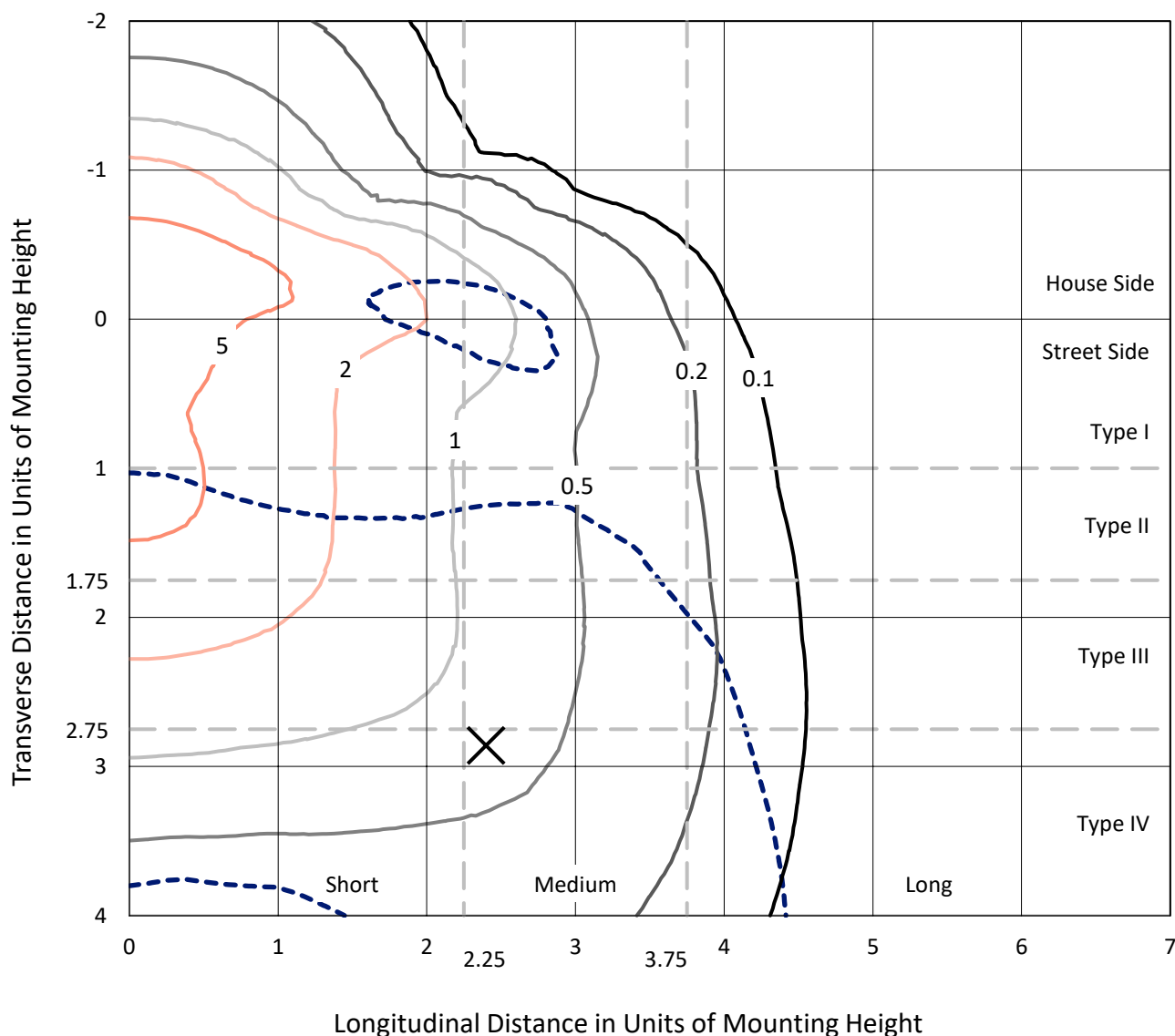
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

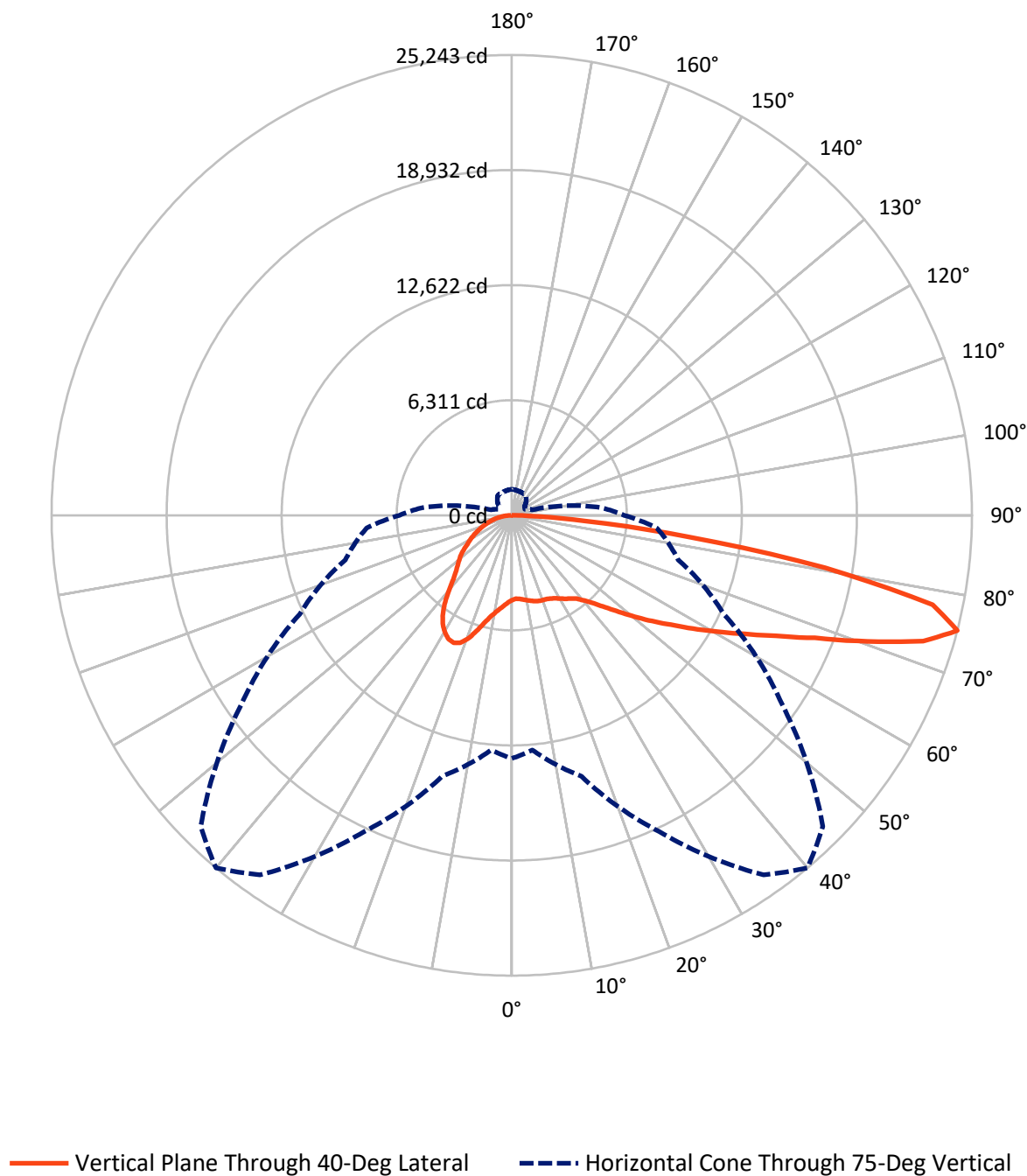
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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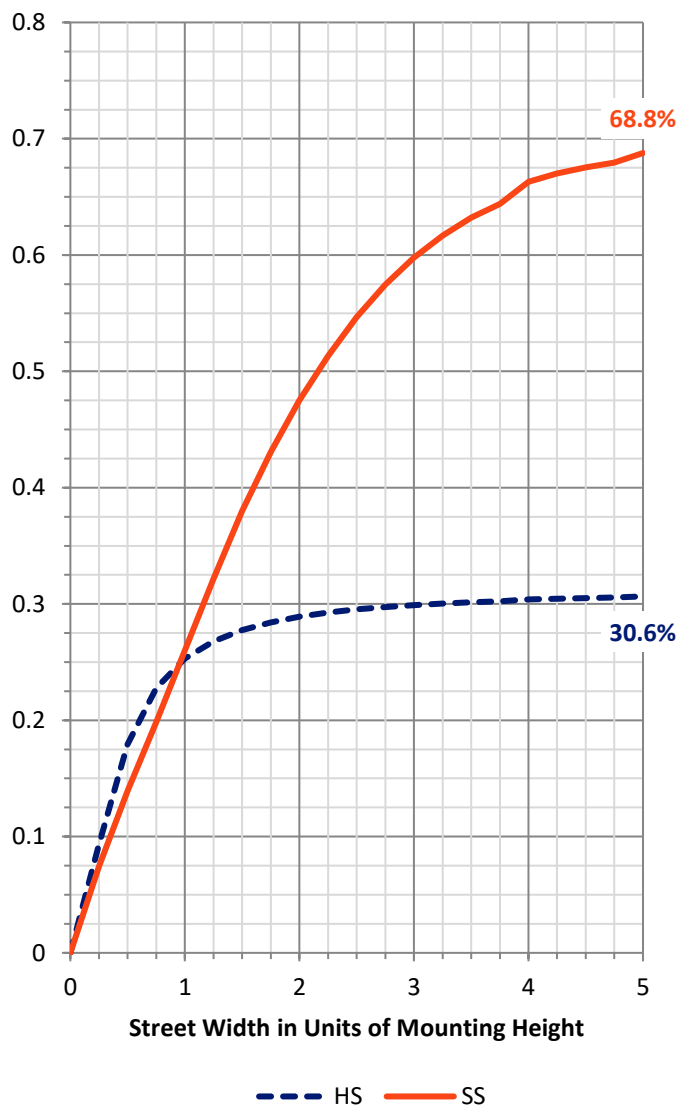
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12565.9	0.0	12565.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	27991.1	0.0	27991.1
	% Fixture	69.0	0.0	69.0
Total	Lumens	40557.0	0.0	40557.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.9	1.1
10°-20°	1554.3	3.8
20°-30°	2838.0	7.0
30°-40°	4025.1	9.9
40°-50°	5435.0	13.4
50°-60°	7311.6	18.0
60°-70°	9280.1	22.9
70°-80°	8422.3	20.8
80°-90°	1227.7	3.0
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°	40557.0	100.0
0°-180°	40557.0	100.0

Coefficient of Utilization



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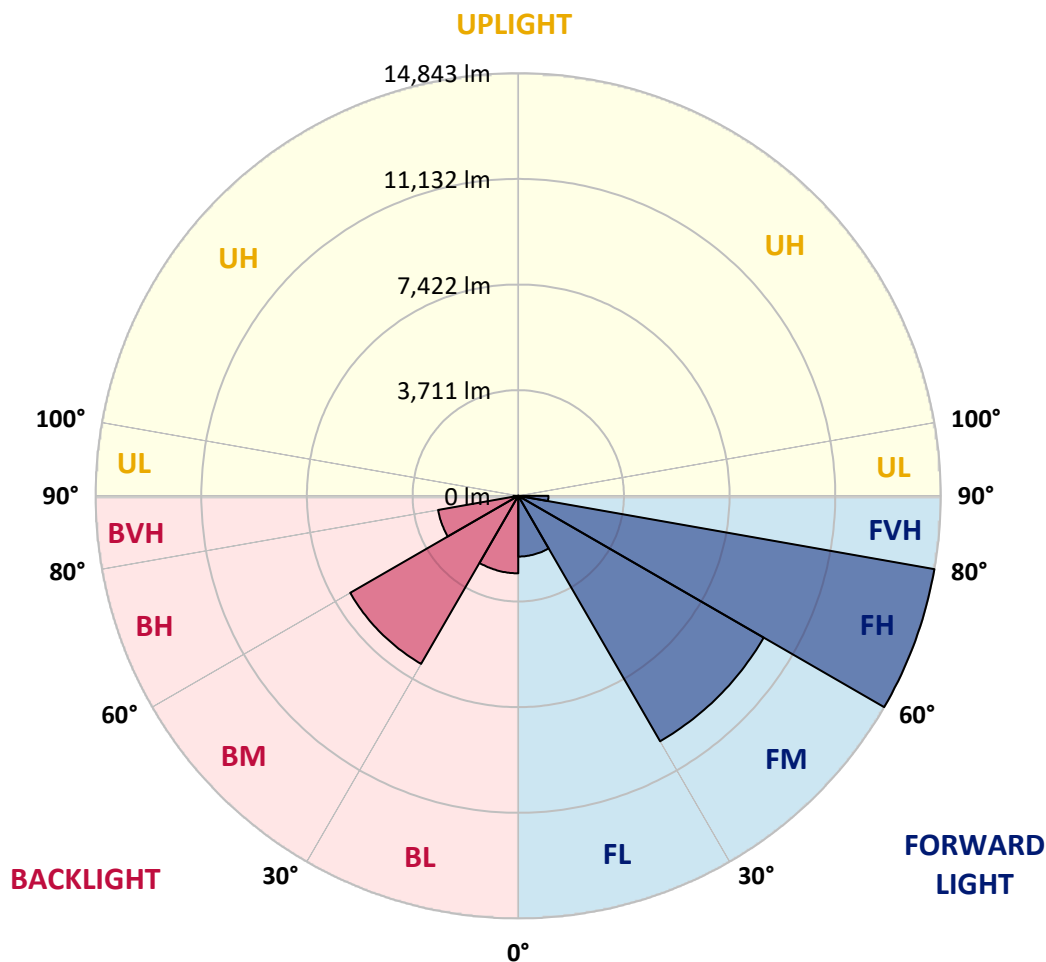
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2133.3	5.3			
FM	(30°-60°)	9955.8	24.5			
FH	(60°-80°)	14843.2	36.6			G5
FVH	(80°-90°)	1058.7	2.6			G5
BL	(0°-30°)	2721.9	6.7	B4/5000		
BM	(30°-60°)	6815.9	16.8	B4/8500		
BH	(60°-80°)	2859.1	7.0	B4/5000		G4/5000
BVH	(80°-90°)	169.0	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	4637.7	4637.7	4637.7	4637.7	4637.7	4637.7	4637.7	4637.7	4637.7	4637.7
2.5°	4566.8	4592.6	4586.1	4577.5	4577.5	4579.7	4577.5	4592.6	4607.6	4622.7
5°	4614.1	4639.9	4627.0	4616.2	4607.6	4605.5	4599.0	4596.9	4605.5	4624.8
7.5°	4706.6	4732.4	4713.0	4693.7	4676.5	4667.9	4659.3	4646.4	4639.9	4650.7
10°	4809.8	4835.6	4812.0	4777.6	4749.6	4738.8	4730.2	4717.3	4708.7	4715.2
12.5°	4913.1	4938.9	4906.6	4859.3	4822.7	4816.3	4805.5	4801.2	4799.1	4796.9
15°	5009.9	5031.4	4990.5	4934.6	4895.9	4885.1	4874.4	4880.8	4891.6	4904.5
17.5°	5085.2	5106.7	5046.5	4973.3	4936.7	4932.4	4926.0	4947.5	4977.6	5009.9
20°	5154.0	5175.5	5098.1	4999.1	4956.1	4956.1	4958.3	5003.4	5046.5	5093.8
22.5°	5250.8	5268.0	5173.4	5037.8	4975.5	4979.8	4997.0	5042.2	5095.9	5160.5
25°	5394.9	5407.8	5291.7	5111.0	5040.0	5052.9	5068.0	5089.5	5141.1	5216.4
27.5°	5627.2	5638.0	5485.3	5240.1	5132.5	5154.0	5175.5	5160.5	5184.1	5248.7
30°	5954.2	5960.7	5767.1	5442.3	5289.5	5300.3	5304.6	5242.2	5197.0	5248.7
32.5°	6341.4	6339.3	6109.1	5687.5	5468.1	5457.3	5420.7	5298.1	5192.7	5237.9
35°	6941.6	6917.9	6621.1	6031.7	5670.3	5603.6	5517.5	5360.5	5214.2	5227.1
37.5°	7935.4	7862.2	7451.4	6595.2	5971.4	5801.5	5674.6	5461.6	5261.6	5222.8
40°	9056.1	8963.6	8511.9	7367.5	6423.2	6150.0	5945.6	5605.7	5339.0	5242.2
42.5°	10385.5	10254.2	9768.1	8277.4	6995.3	6599.5	6291.9	5788.6	5453.0	5304.6
45°	12018.1	11843.9	11155.5	9303.5	7716.0	7188.9	6778.1	6066.1	5627.2	5425.0
47.5°	13668.0	13711.0	12732.3	10478.0	8580.7	7916.0	7386.8	6483.4	5881.1	5618.6
50°	15421.2	15451.3	14300.4	11779.4	9561.6	8737.7	8070.9	6950.2	6233.9	5894.0
52.5°	16789.2	16793.5	15724.5	13141.0	10583.4	9641.2	8808.7	7483.6	6642.6	6259.7
55°	17645.4	17634.6	16722.6	14429.5	11757.9	10589.8	9626.1	8090.2	7141.6	6689.9
57.5°	18267.0	18234.8	17410.9	15537.3	13009.8	11710.5	10551.1	8778.6	7731.0	7201.8
60°	18503.7	18484.3	17877.7	16494.5	14326.2	12949.6	11618.0	9548.7	8400.0	7806.3
62.5°	18594.0	18630.6	18335.9	17421.7	15735.2	14321.9	12790.4	10469.3	9152.9	8490.3
65°	18912.4	18979.1	18918.8	18634.9	17327.0	15928.8	14345.6	11564.3	9974.6	9223.9
67.5°	19542.6	19609.3	19635.1	20086.9	19271.6	17931.5	16285.9	12928.0	10936.1	9985.4
70°	19527.6	19508.2	19964.3	21242.0	21706.6	20704.2	18901.6	14605.9	12082.7	10617.8
72.5°	17774.4	17619.6	18697.3	21229.1	23733.0	23599.6	22096.0	16769.9	13072.2	10695.2
75°	13334.6	12921.6	14825.3	19131.8	24070.7	25243.0	24126.6	18112.2	12837.7	9449.7
77.5°	5702.5	5287.4	7531.0	14162.8	21543.2	23597.4	22263.8	15801.9	10247.8	6248.9
80°	1492.9	1490.7	2275.9	6421.0	14651.1	17426.0	15287.8	10204.8	5855.3	2232.8
82.5°	617.4	602.3	836.8	2497.4	7158.8	9778.8	7980.5	4551.7	2114.5	604.5
85°	230.2	228.0	406.6	862.6	2525.4	4033.3	2919.0	1163.7	527.0	294.7
87.5°	64.5	62.4	88.2	299.0	615.2	933.6	499.1	191.4	148.4	116.2
90°	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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4637.7	0°	4637.7	4637.7	4637.7	4637.7	4637.7	4637.7	4637.7	4637.7	4637.7	4637.7
4646.4	2.5°	4652.8	4663.6	4682.9	4698.0	4717.3	4738.8	4769.0	4788.3	4807.7	4820.6
4657.1	5°	4672.2	4695.8	4745.3	4794.8	4852.9	4906.6	4969.0	5014.2	5050.8	5061.5
4695.8	7.5°	4715.2	4753.9	4837.8	4921.7	5014.2	5102.4	5192.7	5270.2	5332.5	5356.2
4764.7	10°	4790.5	4842.1	4960.4	5078.7	5201.3	5336.9	5453.0	5564.9	5653.1	5689.6
4846.4	12.5°	4885.1	4949.7	5104.5	5268.0	5438.0	5625.1	5775.7	5913.3	6023.0	6072.5
4960.4	15°	5007.7	5091.6	5289.5	5508.9	5758.5	6018.7	6210.2	6362.9	6485.5	6545.8
5078.7	17.5°	5141.1	5253.0	5502.5	5833.8	6190.8	6532.9	6756.6	6868.4	6995.3	7053.4
5188.4	20°	5270.2	5407.8	5764.9	6246.8	6722.2	7085.7	7266.4	7296.5	7305.1	7311.6
5291.7	22.5°	5403.5	5588.5	6094.0	6767.3	7277.1	7528.8	7554.6	7425.6	7244.9	7161.0
5392.8	25°	5549.8	5795.0	6524.3	7341.7	7754.7	7784.8	7586.9	7272.8	6930.8	6773.8
5474.5	27.5°	5691.8	6033.8	7040.5	7890.2	8098.8	7834.3	7408.3	6963.1	6550.1	6384.4
5532.6	30°	5833.8	6307.0	7610.6	8369.9	8255.9	7711.7	7126.6	6629.7	6214.5	6040.3
5584.2	32.5°	5977.9	6625.4	8266.6	8716.2	8227.9	7451.4	6775.9	6255.4	5889.7	5706.8
5629.4	35°	6141.4	7016.9	8888.3	8905.5	8040.8	7068.5	6313.4	5807.9	5489.6	5343.3
5683.2	37.5°	6354.3	7513.8	9436.8	8952.8	7713.8	6507.0	5739.1	5278.8	5016.3	4949.7
5762.8	40°	6618.9	8111.8	9856.3	8877.5	7229.8	5825.1	5111.0	4743.2	4594.7	4609.8
5870.3	42.5°	6963.1	8780.7	10151.0	8683.9	6556.5	5121.7	4560.3	4396.8	4467.8	4528.0
6031.7	45°	7410.5	9475.5	10333.8	8354.8	5795.0	4525.9	4235.5	4274.2	4328.0	4334.4
6291.9	47.5°	7982.7	10179.0	10454.3	7857.9	5018.5	4106.4	4029.0	4037.6	4026.8	3981.7
6681.3	50°	8696.9	10863.0	10561.8	7199.7	4358.1	3844.0	3740.7	3710.6	3562.2	3415.9
7199.7	52.5°	9510.0	11491.1	10607.0	6382.3	3844.0	3624.6	3456.8	3267.5	2990.0	2944.8
7851.5	55°	10413.4	12071.9	10490.9	5377.7	3411.6	3342.8	3089.0	2860.9	2830.8	2792.1
8709.8	57.5°	11493.3	12697.9	10254.2	4257.0	2968.5	3013.7	2766.3	2792.1	2738.3	2678.1
9813.3	60°	12674.2	13345.4	9839.1	3235.2	2510.3	2602.8	2682.4	2680.3	2665.2	2615.7
10977.0	62.5°	13736.9	13771.3	9021.7	2478.1	2108.1	2284.5	2501.7	2499.6	2486.7	2458.7
12192.4	65°	14369.3	13706.7	7657.9	1951.0	1776.8	2022.0	2256.5	2273.7	2275.9	2273.7
13106.6	67.5°	14257.4	12951.7	5786.4	1553.1	1503.6	1755.3	2013.4	2037.1	2054.3	2058.6
13222.7	70°	12992.6	11293.2	3773.0	1239.0	1260.5	1520.8	1783.3	1806.9	1822.0	1839.2
11473.9	72.5°	10127.3	8303.2	2159.7	1002.4	1047.6	1318.6	1555.2	1583.2	1591.8	1624.1
7984.8	75°	6171.5	4883.0	1165.9	789.4	860.4	1127.2	1329.4	1361.6	1376.7	1415.4
3921.4	77.5°	2934.1	2114.5	664.7	615.2	692.7	920.7	1122.9	1159.4	1118.6	1140.1
1082.0	80°	991.7	785.1	419.5	468.9	529.2	718.5	899.2	935.7	849.7	845.4
359.2	82.5°	346.3	318.4	266.7	311.9	342.0	514.1	679.7	727.1	632.4	630.3
161.3	85°	135.5	129.1	148.4	169.9	204.4	316.2	447.4	471.1	389.3	314.1
47.3	87.5°	28.0	30.1	36.6	38.7	62.4	109.7	161.3	197.9	157.0	133.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
4637.7
4812.0
5065.8
5358.4
5691.8
6072.5
6541.5
7051.3
7328.8
7184.6
6797.4
6403.8
6059.6
5730.5
5375.6
4997.0
4661.4
4584.0
4377.5
4016.1
3435.3
2959.9
2798.6
2667.3
2598.5
2447.9
2273.7
2062.9
1847.8
1637.0
1419.7
1122.9
836.8
600.2
309.8
122.6
0.0