

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: P534061

Luminaire Tested: **GLAN-SA9C-735-U-SLR-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534061  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA9C-735-U-SLR-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32823 lumens  
Efficiency: N/A  
Efficacy: 68.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2

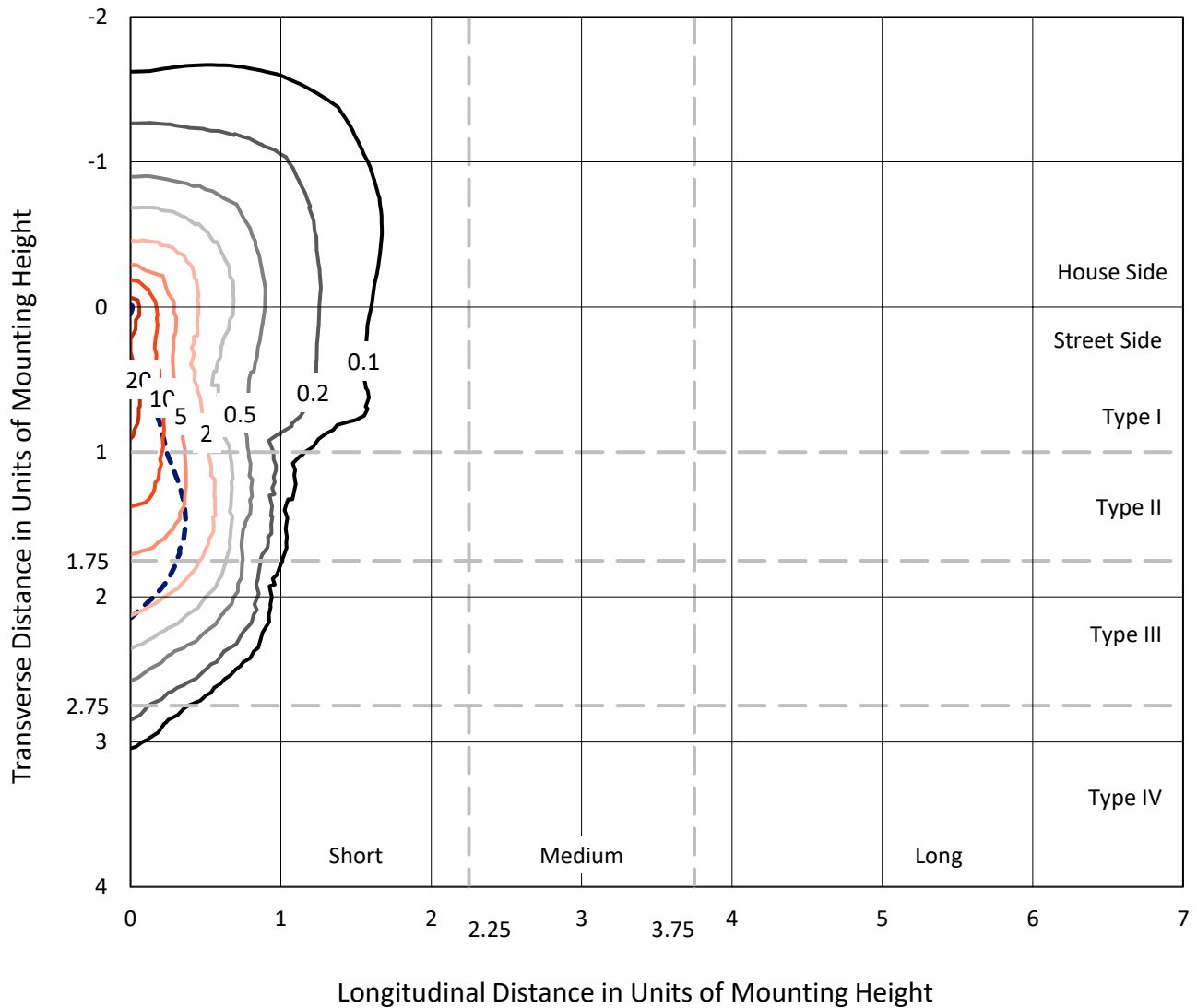
Input Watts (W): 481  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

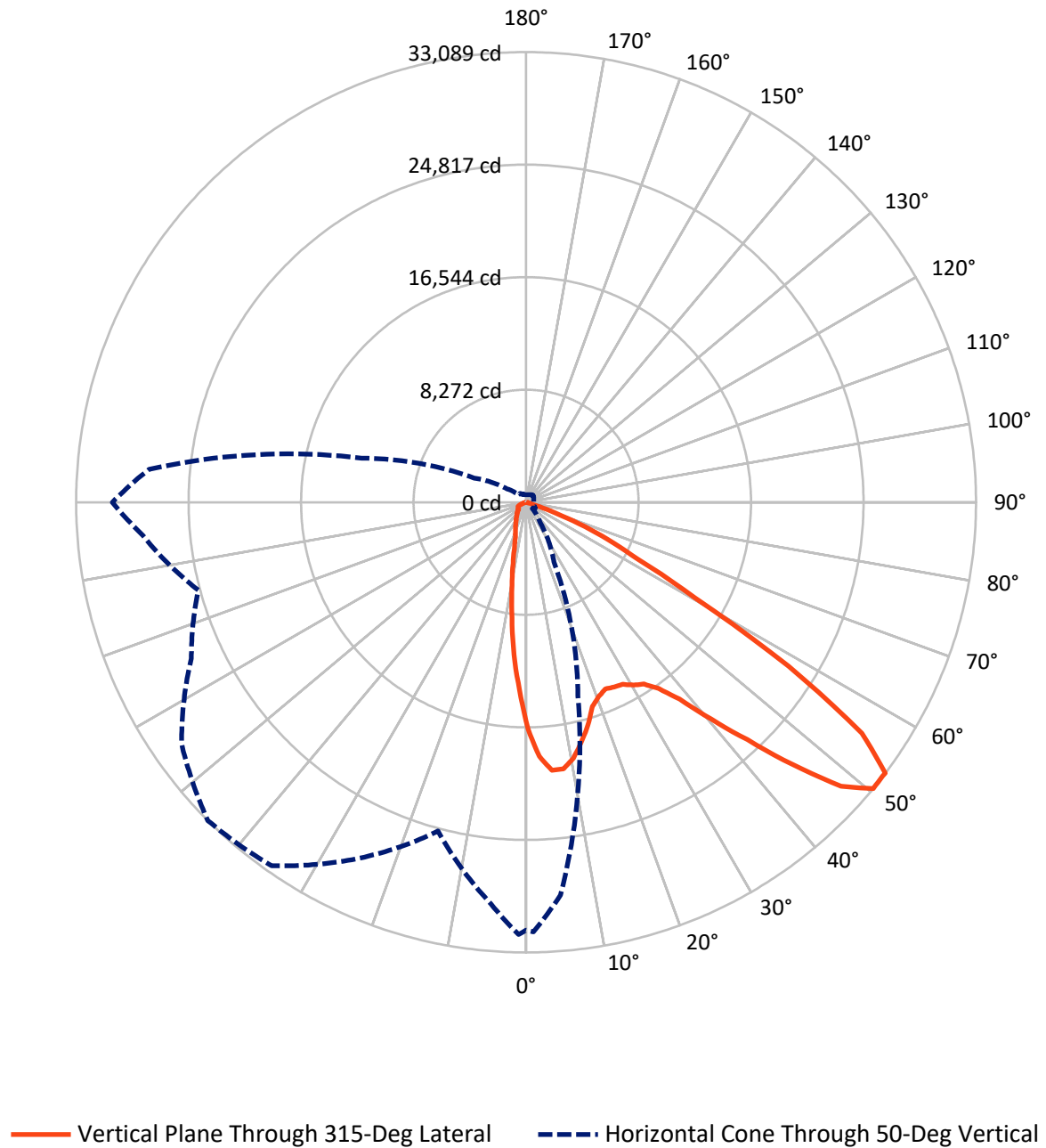
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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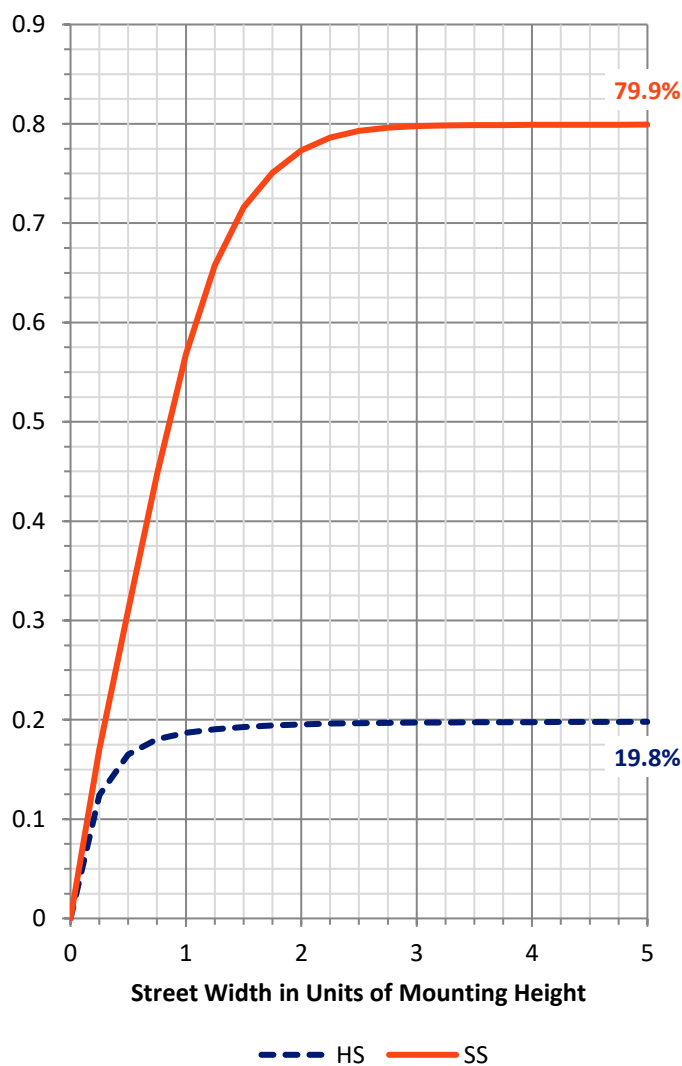
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6574.4	0.0	6574.4
	% Fixture	20.0	0.0	20.0
<b>Street Side</b>	Lumens	26248.6	0.0	26248.6
	% Fixture	80.0	0.0	80.0
<b>Total</b>	Lumens	32823.0	0.0	32823.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1213.3	3.7
10°-20°	2411.3	7.3
20°-30°	3622.5	11.0
30°-40°	5437.3	16.6
40°-50°	7641.8	23.3
50°-60°	8243.0	25.1
60°-70°	3827.2	11.7
70°-80°	360.1	1.1
80°-90°	66.4	0.2
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°	32823.0	100.0
0°-180°	32823.0	100.0

**Coefficient of Utilization**



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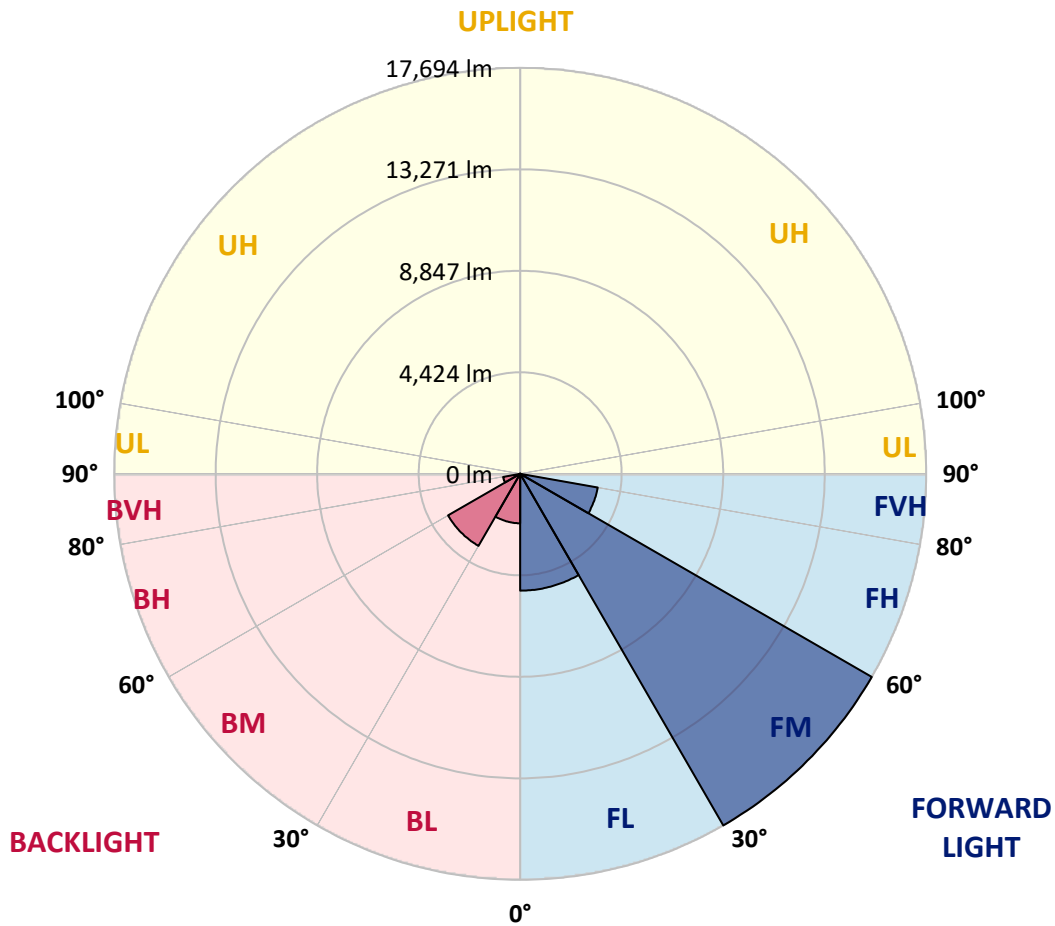
CATALOG NUMBER: GLAN-SA9C-735-U-SLR-GRSBK

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5092.2	15.5			
FM (30°-60°)	17694.1	53.9			
FH (60°-80°)	3432.4	10.5			G2/5000
FVH (80°-90°)	29.9	0.1			G1/100
BL (0°-30°)	2154.9	6.6	B3/2500		
BM (30°-60°)	3628.1	11.1	B3/5000		
BH (60°-80°)	754.9	2.3	B2/1000		G2/1000
BVH (80°-90°)	36.5	0.1			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°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4
2.5°	17303.1	17036.1	16697.5	16417.5	16000.7	15160.6	14932.7	14659.2	14431.2	14125.1	13695.3
5°	15733.7	15649.0	15492.7	14437.7	13675.8	12659.9	11826.3	11474.6	11012.3	10634.6	10361.0
7.5°	14535.4	14196.8	13701.8	12640.3	11422.5	10335.0	9410.3	8869.7	8257.6	8049.2	7678.0
10°	13252.5	13330.6	12601.3	11110.0	9638.2	8759.0	8185.9	7665.0	7111.4	6746.7	6219.2
12.5°	12842.2	12588.2	12028.2	10185.2	8928.3	8107.8	7411.0	6766.3	6180.2	5594.1	5086.1
15°	13109.2	12718.5	11937.0	9989.8	8381.3	7358.9	6486.2	5613.6	5073.1	4324.2	3796.7
17.5°	14066.5	13753.9	12705.5	10198.2	8101.3	6642.5	5346.6	4447.9	3620.8	2943.6	2676.5
20°	15662.0	15219.2	13903.7	10465.2	7684.5	5776.4	4337.2	3230.1	2448.6	2162.1	2012.3
22.5°	17225.0	16984.0	15323.4	10979.7	7313.3	5007.9	3256.1	2175.1	1830.0	1777.9	1680.2
25°	20201.1	19478.2	17492.0	11911.0	7026.8	4285.1	2455.1	1751.8	1549.9	1510.8	1523.9
27.5°	21972.4	21366.8	19497.8	12529.6	6707.7	3731.5	2077.4	1608.5	1471.8	1387.1	1354.6
30°	23672.2	22968.8	20494.2	12894.3	6023.9	3145.4	1843.0	1543.4	1510.8	1387.1	1348.0
32.5°	24981.1	24290.8	21933.4	13441.4	5743.8	2767.7	1517.4	1204.8	1120.1	1107.1	1224.3
35°	26986.9	26251.0	23164.2	13740.9	5528.9	2572.4	1315.5	1074.5	976.8	937.8	944.3
37.5°	28855.9	28354.5	24303.8	13858.1	5301.0	2513.7	1178.7	963.8	879.2	853.1	846.6
40°	30418.9	29298.8	25384.9	13981.9	5203.3	2403.0	1094.1	879.2	820.5	781.5	781.5
42.5°	31135.2	29995.6	26596.2	13910.2	5177.3	2227.2	1094.1	807.5	761.9	722.9	716.4
45°	30978.9	30516.6	27136.7	13877.7	5177.3	2051.4	996.4	788.0	722.9	670.8	657.7
47.5°	31382.7	30777.1	27814.0	14014.4	5073.1	1927.6	840.1	827.1	683.8	618.7	605.6
50°	31454.3	31571.6	28992.7	14724.3	4845.1	1771.3	657.7	814.0	657.7	560.1	547.0
52°	31923.2	31193.8	29350.9	15102.0	4604.2	1654.1	553.5	696.8	631.7	521.0	508.0
52.5°	31278.5	31753.9	29435.5	15238.7	4630.2	1576.0	534.0	683.8	618.7	521.0	488.4
55°	30555.6	31011.5	29090.4	15531.8	4246.0	1237.3	416.8	494.9	560.1	455.9	436.3
57.5°	26557.1	27019.5	25280.7	14222.8	3458.0	872.6	345.2	371.2	494.9	423.3	403.8
60°	23607.0	23274.9	21217.0	11865.4	2455.1	488.4	273.5	286.5	540.5	390.7	384.2
62.5°	21575.2	20865.4	17732.9	9162.8	1497.8	325.6	214.9	221.4	416.8	364.7	364.7
65°	15961.6	15167.1	11780.7	5542.0	735.9	227.9	162.8	175.8	260.5	312.6	312.6
67.5°	9110.7	8804.6	5691.7	2500.7	306.1	143.3	123.7	136.8	201.9	254.0	241.0
70°	4187.4	3757.6	2188.1	527.5	143.3	97.7	97.7	110.7	162.8	188.9	175.8
72.5°	1224.3	1159.2	534.0	84.7	58.6	58.6	65.1	84.7	123.7	143.3	130.2
75°	91.2	58.6	39.1	26.0	26.0	39.1	52.1	84.7	123.7	136.8	110.7
77.5°	6.5	13.0	6.5	6.5	19.5	39.1	58.6	104.2	162.8	169.3	123.7
80°	6.5	6.5	0.0	6.5	19.5	39.1	65.1	117.2	182.3	195.4	104.2
82.5°	0.0	0.0	0.0	6.5	26.0	52.1	78.1	123.7	169.3	208.4	110.7
85°	0.0	0.0	0.0	6.5	39.1	71.6	91.2	32.6	19.5	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4
2.5°	14001.4	13832.1	13767.0	13825.6	13806.0	13786.5	14144.7	14066.5	14053.5	14170.7	14144.7
5°	10510.8	10211.3	11031.8	10699.7	11044.8	11253.2	11292.3	11311.8	11552.8	11298.8	11630.9
7.5°	7489.1	7567.3	7560.8	7782.2	8179.4	8531.1	8739.5	8576.7	8563.7	8531.1	8387.8
10°	5984.8	5848.0	5822.0	5769.9	5893.6	6193.2	6447.2	6245.3	6102.0	6297.4	6238.8
12.5°	4890.7	4701.9	4597.7	4389.3	4395.8	4597.7	4597.7	4597.7	4740.9	4851.7	4936.3
15°	3751.1	3594.8	3594.8	3386.4	3340.8	3347.3	3451.5	3464.5	3692.5	3757.6	3790.1
17.5°	2624.5	2539.8	2637.5	2722.1	2670.0	2683.1	2722.1	2735.2	2767.7	2741.7	2806.8
20°	2018.8	2005.8	2031.8	2181.6	2292.3	2357.4	2311.9	2246.7	2207.7	2116.5	2116.5
22.5°	1712.7	1738.8	1784.4	1908.1	2051.4	2090.4	2038.3	1888.6	1771.3	1758.3	1764.8
25°	1523.9	1549.9	1621.6	1699.7	1777.9	1843.0	1790.9	1680.2	1615.0	1556.4	1556.4
27.5°	1406.7	1419.7	1458.8	1517.4	1582.5	1634.6	1615.0	1556.4	1484.8	1458.8	1400.1
30°	1315.5	1335.0	1380.6	1393.6	1452.2	1478.3	1445.7	1432.7	1387.1	1354.6	1335.0
32.5°	1269.9	1263.4	1295.9	1309.0	1315.5	1335.0	1295.9	1315.5	1309.0	1256.9	1237.3
35°	957.3	1009.4	1094.1	1165.7	1185.2	1211.3	1204.8	1178.7	1107.1	1048.5	976.8
37.5°	859.6	892.2	937.8	996.4	1074.5	1107.1	1094.1	1028.9	944.3	905.2	892.2
40°	794.5	814.0	853.1	892.2	970.3	1028.9	983.4	924.7	859.6	827.1	807.5
42.5°	735.9	742.4	761.9	801.0	859.6	950.8	872.6	794.5	768.4	748.9	735.9
45°	670.8	670.8	696.8	716.4	781.5	866.1	788.0	716.4	703.3	690.3	683.8
47.5°	618.7	625.2	638.2	664.3	716.4	775.0	722.9	664.3	631.7	625.2	612.2
50°	553.5	560.1	586.1	612.2	677.3	709.8	677.3	612.2	579.6	560.1	560.1
52°	501.4	521.0	547.0	599.1	644.7	696.8	657.7	586.1	547.0	527.5	514.5
52.5°	494.9	508.0	534.0	592.6	644.7	690.3	651.2	579.6	534.0	521.0	508.0
55°	442.8	462.4	508.0	579.6	638.2	690.3	638.2	573.1	508.0	475.4	462.4
57.5°	423.3	436.3	494.9	586.1	631.7	690.3	638.2	573.1	508.0	449.3	436.3
60°	403.8	429.8	494.9	566.6	625.2	696.8	644.7	566.6	494.9	423.3	423.3
62.5°	384.2	403.8	488.4	553.5	599.1	670.8	618.7	553.5	475.4	403.8	397.2
65°	332.1	364.7	429.8	462.4	514.5	579.6	527.5	481.9	416.8	358.2	351.7
67.5°	254.0	267.0	319.1	358.2	390.7	449.3	423.3	364.7	319.1	273.5	273.5
70°	175.8	188.9	227.9	247.5	280.0	312.6	293.1	247.5	214.9	188.9	182.3
72.5°	123.7	130.2	143.3	156.3	169.3	182.3	175.8	143.3	123.7	117.2	110.7
75°	97.7	110.7	117.2	110.7	104.2	97.7	97.7	84.7	71.6	65.1	65.1
77.5°	97.7	104.2	97.7	84.7	71.6	65.1	58.6	52.1	39.1	32.6	39.1
80°	84.7	84.7	84.7	71.6	65.1	58.6	52.1	45.6	39.1	32.6	32.6
82.5°	91.2	91.2	84.7	71.6	71.6	58.6	58.6	52.1	45.6	32.6	32.6
85°	0.0	0.0	0.0	13.0	32.6	58.6	58.6	52.1	45.6	39.1	39.1
87.5°	0.0	0.0	0.0	0.0	6.5	13.0	26.0	32.6	39.1	39.1	39.1
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4
2.5°	14379.1	14626.6	15095.5	15564.4	15850.9	16189.5	16801.7	17127.3	17550.6	17759.0	18169.3
5°	11585.4	12171.5	12379.9	12913.9	13486.9	14060.0	14971.7	15974.6	16808.2	17381.3	18123.7
7.5°	8452.9	8589.7	9397.2	9755.4	10693.2	11735.1	12979.0	14242.4	15297.4	16235.1	16801.7
10°	6336.5	6837.9	7345.9	8029.6	8785.1	9859.6	11051.3	12445.0	13812.6	14750.3	15466.7
12.5°	5092.6	5489.9	6167.1	6903.0	7834.3	8544.1	9742.4	11123.0	12894.3	13812.6	14756.8
15°	3855.3	4363.2	5131.7	5893.6	6877.0	7625.9	8837.2	10575.9	12855.2	14118.6	14932.7
17.5°	2858.9	3204.0	3894.3	4747.5	5750.3	6805.3	8439.9	10517.3	13291.6	14795.9	15636.0
20°	2188.1	2305.3	2741.7	3503.6	4591.2	5971.8	7795.2	10771.3	14581.0	16443.5	17296.6
22.5°	1771.3	1823.4	1992.8	2520.3	3575.2	5242.4	7489.1	10947.1	16033.2	18416.7	19556.4
25°	1543.4	1530.4	1641.1	1869.0	2793.8	4558.6	7098.4	11611.4	17811.1	20735.1	21757.5
27.5°	1406.7	1406.7	1458.8	1621.6	2318.4	4115.8	6850.9	12086.8	19602.0	22773.5	23327.0
30°	1335.0	1348.0	1497.8	1549.9	1927.6	3588.3	6440.6	12568.7	21314.7	24075.9	24837.9
32.5°	1237.3	1185.2	1152.7	1282.9	1621.6	3112.9	6030.4	12770.6	22701.8	25671.4	26322.7
35°	950.8	924.7	963.8	1061.5	1393.6	2709.1	5574.5	12998.5	24297.3	27520.9	27651.2
37.5°	859.6	853.1	879.2	963.8	1172.2	2357.4	5248.9	12939.9	25515.1	29051.3	28699.6
40°	794.5	794.5	814.0	885.7	1048.5	2110.0	4910.3	12887.8	26693.9	30770.5	29741.6
42.5°	742.4	742.4	775.0	820.5	996.4	1947.2	4656.3	12816.2	27683.7	31825.5	30353.8
45°	670.8	690.3	742.4	788.0	1009.4	1836.5	4467.4	12542.7	28022.4	31812.5	30060.7
47.5°	618.7	644.7	696.8	761.9	911.7	1803.9	4337.2	12301.7	27905.1	31031.0	29142.5
50°	560.1	592.6	664.3	775.0	775.0	1738.8	4200.4	12516.6	27820.5	30425.4	28263.3
52°	521.0	547.0	638.2	755.4	677.3	1602.0	4115.8	12933.4	28165.6	30347.2	27872.6
52.5°	514.5	534.0	618.7	742.4	644.7	1576.0	4057.2	13031.1	28276.3	30151.9	28139.6
55°	455.9	481.9	566.6	579.6	527.5	1295.9	3868.3	13252.5	27729.3	29767.7	27885.6
57.5°	429.8	442.8	501.4	475.4	455.9	976.8	3327.8	12907.3	24629.5	26439.9	25944.9
60°	397.2	410.3	468.9	371.2	384.2	683.8	2500.7	11207.6	19777.8	22031.1	22923.2
62.5°	384.2	377.7	442.8	299.6	325.6	494.9	1764.8	9110.7	15238.7	18136.7	19680.1
65°	338.6	332.1	319.1	254.0	280.0	384.2	1055.0	5945.7	10738.8	13721.4	14568.0
67.5°	260.5	273.5	234.4	201.9	234.4	299.6	586.1	2663.5	5633.1	8231.5	8915.3
70°	182.3	195.4	188.9	175.8	208.4	247.5	338.6	911.7	2331.4	4324.2	4767.0
72.5°	110.7	136.8	143.3	149.8	182.3	214.9	241.0	293.1	618.7	1530.4	1901.6
75°	65.1	91.2	110.7	130.2	149.8	182.3	201.9	208.4	214.9	286.5	462.4
77.5°	45.6	65.1	97.7	123.7	149.8	182.3	214.9	227.9	214.9	201.9	214.9
80°	39.1	65.1	91.2	117.2	156.3	188.9	214.9	214.9	208.4	182.3	195.4
82.5°	39.1	65.1	97.7	123.7	149.8	182.3	208.4	214.9	195.4	182.3	188.9
85°	45.6	71.6	104.2	130.2	162.8	149.8	136.8	110.7	104.2	84.7	91.2
87.5°	45.6	65.1	65.1	71.6	78.1	78.1	78.1	71.6	58.6	52.1	52.1
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4	16645.4
2.5°	18188.8	18709.8	18690.3	18703.3	18625.1	18097.6	17843.7	17198.9	17381.3	17303.1
5°	18885.6	19400.1	19842.9	19790.8	19191.7	18475.4	17413.8	16411.0	16137.4	15733.7
7.5°	18188.8	19426.1	19836.4	19777.8	18892.1	17973.9	16280.7	15277.8	14802.4	14535.4
10°	17081.7	18514.4	19022.4	19126.6	18527.4	17133.8	15577.4	13968.8	13714.9	13252.5
12.5°	16450.0	17492.0	17804.6	18084.6	17876.2	16834.3	15043.4	13500.0	13148.3	12842.2
15°	15935.6	16554.2	16684.5	17003.6	17127.3	16567.3	15323.4	14007.9	13141.8	13109.2
17.5°	16411.0	16157.0	15681.6	15779.3	16170.0	16573.8	16046.3	15010.8	14170.7	14066.5
20°	17198.9	16078.8	15004.3	15245.3	15570.9	16808.2	17140.3	16411.0	15929.0	15662.0
22.5°	18104.2	16215.6	14789.4	14906.6	15525.3	17335.7	18911.7	18507.9	17609.2	17225.0
25°	19777.8	16593.3	14958.7	15036.9	15883.5	18071.6	20513.7	20813.3	20279.3	20201.1
27.5°	21412.4	17570.1	15329.9	15154.1	16065.8	18787.9	21484.0	23092.6	22154.8	21972.4
30°	22246.0	18364.6	15883.5	15583.9	16821.2	19224.3	22070.1	24577.4	23756.8	23672.2
32.5°	23522.4	19087.5	16313.3	15929.0	17244.5	19764.8	23164.2	26198.9	25404.4	24981.1
35°	24056.4	19875.5	17257.6	16808.2	18455.8	20520.2	23724.3	27644.6	27397.2	26986.9
37.5°	25085.3	20722.1	18371.2	18345.1	19921.1	21503.6	24733.7	29611.4	29565.8	28855.9
40°	25170.0	21646.8	20129.5	20950.0	22187.4	23216.3	25619.3	30158.4	30900.8	30418.9
42.5°	25300.2	23268.4	23170.7	23848.0	24909.5	24688.1	25651.9	30288.6	31421.8	31135.2
45°	25358.8	24890.0	26264.0	27514.4	27957.2	26615.7	25345.8	30041.2	31695.3	30978.9
47.5°	24890.0	26283.6	28764.8	31180.8	31311.1	27800.9	25215.6	29787.2	31858.1	31382.7
50°	24955.1	27156.2	30926.8	33088.9	32613.5	28849.4	25013.7	29630.9	31773.4	31454.3
52°	24798.8	27175.8	31232.9	33049.8	32717.7	28269.8	24668.5	29031.8	31695.3	31923.2
52.5°	24974.6	27058.5	30913.8	33075.9	32646.1	28556.4	24622.9	29363.9	31740.9	31278.5
55°	24369.0	25664.9	29044.8	29963.0	29897.9	25918.9	23222.8	28263.3	30549.1	30555.6
57.5°	22024.5	22246.0	22780.0	22760.4	22460.9	20376.9	19862.5	25990.5	27234.4	26557.1
60°	19406.6	16287.2	14848.0	14261.9	13929.8	13591.1	17570.1	23776.3	23893.6	23607.0
62.5°	16769.1	11292.3	9377.7	9214.9	9293.0	10530.4	16984.0	22897.2	22193.9	21575.2
65°	13532.5	8231.5	6811.8	6596.9	7358.9	8693.9	13747.4	17557.1	16476.1	15961.6
67.5°	8498.5	6004.3	4604.2	4200.4	5118.7	5984.8	9032.5	11031.8	9820.5	9110.7
70°	5040.5	3353.8	2083.9	1869.0	2103.5	3191.0	5060.0	5502.9	4552.1	4187.4
72.5°	1986.2	1230.8	579.6	494.9	514.5	1120.1	1862.5	1816.9	1374.1	1224.3
75°	534.0	371.2	201.9	162.8	136.8	208.4	299.6	195.4	71.6	91.2
77.5°	247.5	221.4	175.8	136.8	104.2	78.1	39.1	13.0	13.0	6.5
80°	214.9	188.9	162.8	136.8	104.2	65.1	32.6	6.5	6.5	6.5
82.5°	201.9	175.8	149.8	123.7	97.7	65.1	32.6	6.5	0.0	0.0
85°	84.7	110.7	123.7	117.2	104.2	65.1	32.6	6.5	0.0	0.0
87.5°	45.6	39.1	32.6	26.0	19.5	13.0	13.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)