

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: P324134

Luminaire Tested: **GAN-SA0C-730-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324134
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0C-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47266 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

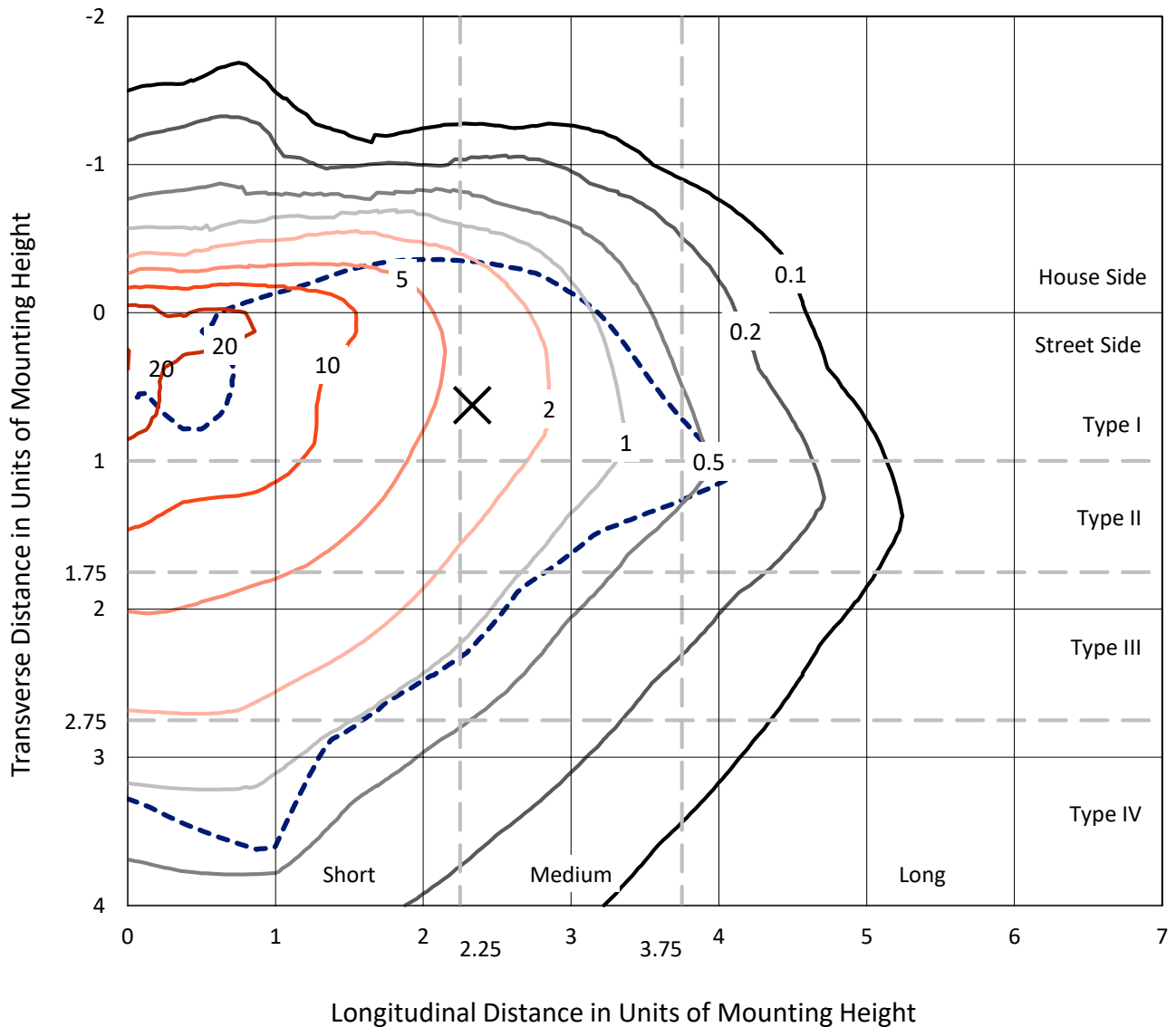
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

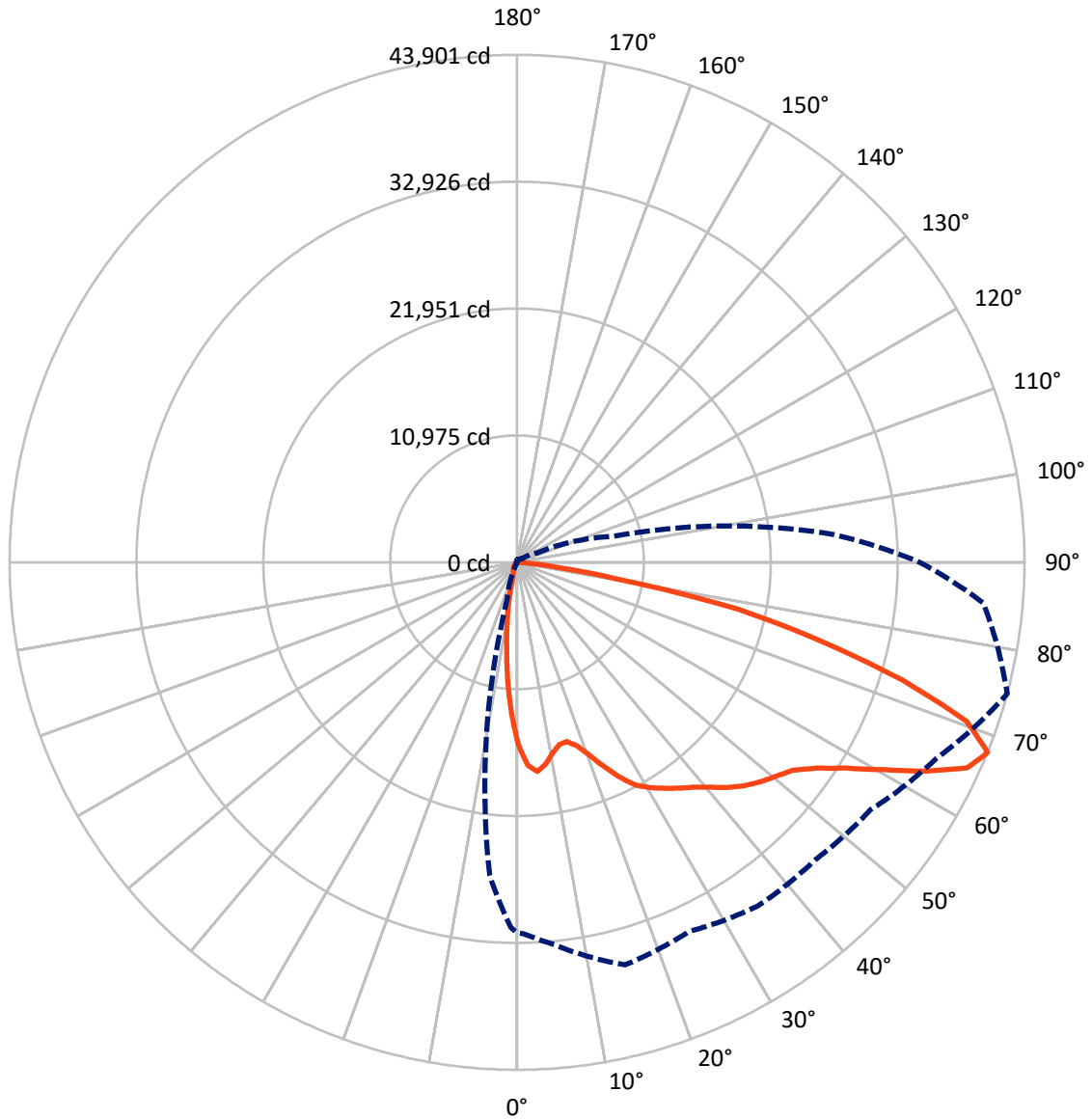
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 32.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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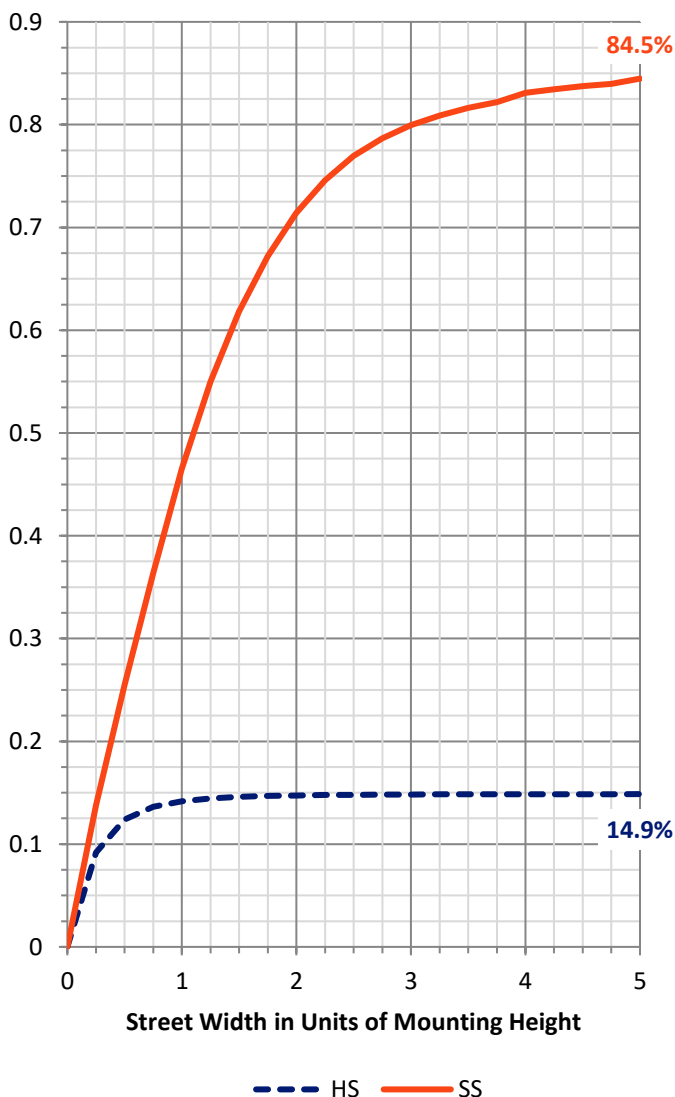
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7092.8	0.0	7092.8
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	40173.2	0.0	40173.2
	% Fixture	85.0	0.0	85.0
Total	Lumens	47266.0	0.0	47266.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1202.8	2.5
10°-20°	2368.4	5.0
20°-30°	3350.6	7.1
30°-40°	4926.3	10.4
40°-50°	7080.7	15.0
50°-60°	9967.8	21.1
60°-70°	11641.5	24.6
70°-80°	5939.1	12.6
80°-90°	789.0	1.7
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°	47266.0	100.0
0°-180°	47266.0	100.0

Coefficient of Utilization

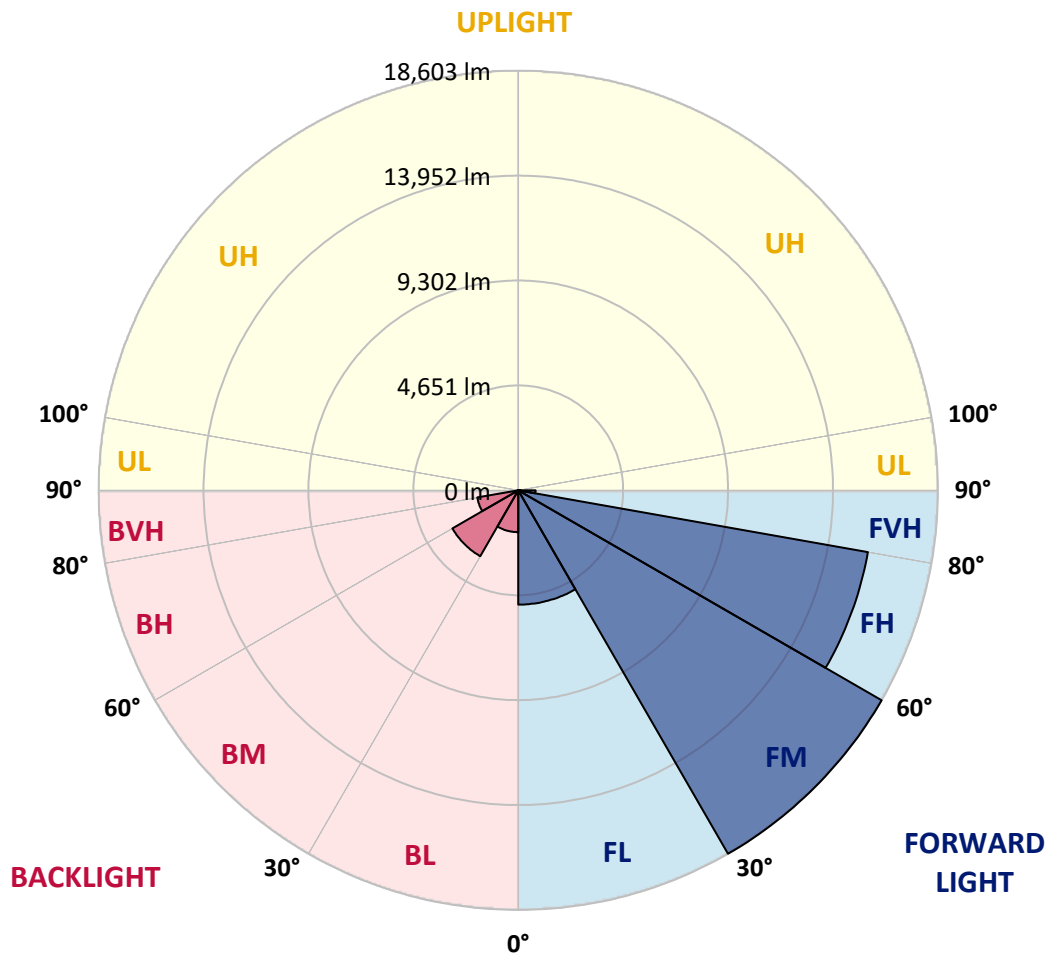


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5066.9	10.7			
FM (30°-60°)	18603.1	39.4			
FH (60°-80°)	15738.2	33.3			G5
FVH (80°-90°)	765.0	1.6			G5
BL (0°-30°)	1854.8	3.9	B3/2500		
BM (30°-60°)	3371.7	7.1	B3/5000		
BH (60°-80°)	1842.3	3.9	B3/2500		G3/2500
BVH (80°-90°)	23.9	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-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9
2.5°	17189.2	17216.0	17354.9	17677.3	18028.8	18055.7	18293.0	18049.0	17966.1	17572.0	17164.5
5°	17319.0	17422.0	17898.9	18846.1	19667.8	19932.0	20120.1	19640.9	19137.1	18174.3	17146.6
7.5°	16273.4	16445.8	17195.9	18973.7	20442.5	21091.8	21215.0	20464.9	19231.2	17645.9	16101.0
10°	14934.4	15131.5	16036.1	18221.4	20238.8	21351.6	21521.7	20538.8	18765.5	16790.6	14970.3
12.5°	13850.7	14081.4	15006.1	17375.0	19537.9	20769.4	21105.3	20290.2	18362.4	16183.8	14197.8
15°	13351.4	13615.6	14587.4	16828.7	18761.0	19730.5	20008.1	19656.6	18138.5	16087.6	14018.7
17.5°	13638.0	13924.6	14927.7	16875.7	18031.0	18445.3	18669.2	18812.5	18138.5	16667.5	14542.6
20°	14813.5	15122.5	16183.8	17352.6	17426.5	17272.0	17511.6	18015.4	18349.0	17769.1	15801.0
22.5°	16439.1	16801.8	17999.7	18169.9	17131.0	16546.6	16577.9	17368.3	18731.9	19166.2	17547.4
25°	18420.6	18864.0	20082.0	19387.9	17254.1	16114.4	16103.2	16835.4	19105.8	20565.7	19493.1
27.5°	20388.8	20876.9	21947.1	20874.6	17762.4	16036.1	16013.7	16674.2	19470.8	21810.6	21618.0
30°	22038.9	22513.6	23436.1	21951.6	18310.9	16219.7	16112.2	16846.6	19687.9	22618.9	23167.4
32.5°	23382.4	23763.0	24508.6	22692.7	18897.6	16575.7	16342.8	17307.8	20057.4	23301.8	24591.5
35°	24860.1	25260.9	25558.7	23398.0	19555.8	17088.4	16754.8	18040.0	20626.1	23995.9	26152.1
37.5°	26546.1	26944.7	26908.9	24042.9	20391.0	17937.0	17724.3	19199.8	21510.5	24683.3	27894.1
40°	28196.3	28603.8	28312.8	24748.2	21371.7	19336.4	19179.7	20941.8	22695.0	25563.2	29936.1
42.5°	29741.3	30182.4	29559.9	25415.4	22540.5	21100.8	21369.5	23185.3	24177.2	26646.9	31696.0
45°	30986.2	31436.2	30605.5	26064.8	23772.0	23241.3	24049.6	25670.7	25959.5	27562.7	32884.9
47.5°	31890.8	32316.2	31331.0	26714.1	25348.3	25858.8	27267.1	28276.9	27569.4	28357.5	33729.0
50°	32468.4	32799.8	31543.7	27526.9	27417.1	28912.8	30619.0	31111.6	29085.2	29074.0	34754.5
52.5°	32835.6	32985.6	31700.4	28375.4	29575.6	32237.8	33901.4	34055.9	30645.8	29862.2	36136.0
55°	34100.7	34221.6	32811.0	29403.2	31360.1	35150.8	36870.4	36727.1	32412.5	31404.9	37766.0
57.5°	36259.1	36386.8	35106.0	30880.9	32804.3	36951.0	39022.1	39279.6	34483.6	33572.3	39512.5
60°	37342.8	37580.2	37123.4	32752.8	34203.7	38101.9	40488.7	41310.4	37071.9	36429.3	41205.2
62.5°	36359.9	36704.7	37367.5	34828.4	35594.1	38735.5	40945.5	42038.1	39722.9	39758.8	42248.6
65°	34398.5	34673.9	35797.9	35965.8	36400.2	38657.2	39817.0	41021.6	41346.3	42817.3	42192.6
67.5°	32029.6	32132.6	33086.4	36055.4	35231.4	36301.7	36427.1	37318.2	40063.3	43901.0	40497.7
70°	28619.5	28675.5	29508.4	33057.3	30276.4	30511.5	30325.7	30507.0	34443.3	41261.2	36218.8
72.5°	23033.1	23174.1	24358.6	27453.0	22056.9	21378.4	22838.3	22757.7	26526.0	34859.7	26899.9
75°	16958.5	17202.6	18991.6	22112.8	15480.8	14003.0	15068.8	15353.1	18857.3	26964.8	16822.0
77.5°	11873.7	12055.0	13788.1	16255.5	11204.2	10013.0	9627.9	9966.0	12446.9	19506.6	8474.8
80°	6840.3	6907.5	8013.6	9386.1	7550.1	8638.2	7825.5	8058.3	7458.3	8678.5	3645.2
82.5°	4475.9	4487.1	4919.2	5586.4	4702.0	5463.3	4043.7	5170.0	4587.8	3486.2	1186.7
85°	2418.2	2431.6	2852.5	3965.4	2662.2	1504.6	884.4	1815.9	2836.9	799.3	324.7
87.5°	266.4	244.1	859.8	1441.9	738.9	136.6	47.0	203.8	454.5	51.5	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°	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9
2.5°	16956.3	16770.5	16307.0	15816.6	15422.6	15053.1	14681.4	14226.9	13875.4	13803.7	13687.3
5°	16593.6	16004.7	15033.0	14056.7	13270.8	12278.9	11649.8	11159.4	10680.3	10651.1	10554.9
7.5°	15326.3	14551.6	13183.5	11833.4	10727.3	9782.4	8828.6	8190.4	7688.9	7512.0	7406.8
10°	14108.2	13237.2	11528.9	9988.4	9001.0	8165.8	7494.1	6826.9	6222.3	5805.9	5617.8
12.5°	13257.4	12294.6	10411.6	9083.8	8376.3	7583.7	6764.2	5931.2	5234.9	4733.3	4426.6
15°	12928.3	11900.5	10037.7	8725.6	7852.3	6849.2	5801.4	4849.8	4077.3	3622.8	3347.4
17.5°	13320.1	12124.4	10008.5	8289.0	7068.7	5821.5	4663.9	3539.9	2812.2	2467.4	2290.5
20°	14314.2	12836.5	9997.3	7753.8	6137.2	4603.5	3159.3	2328.6	1887.5	1695.0	1612.1
22.5°	15720.4	13745.5	10086.9	7225.4	5167.7	3289.2	2180.8	1710.6	1484.5	1381.5	1334.5
25°	17529.5	15021.8	10339.9	6746.3	4256.4	2454.0	1699.4	1433.0	1274.0	1193.4	1159.8
27.5°	19457.3	16490.6	10734.0	6329.8	3515.3	1956.9	1455.4	1227.0	1112.8	1056.8	1025.5
30°	21047.0	18192.3	11132.5	5866.3	2977.9	1706.2	1332.2	1119.5	987.4	951.6	922.5
32.5°	22437.5	19479.7	11414.7	5447.6	2626.4	1515.8	1204.6	1000.9	911.3	841.9	810.5
35°	23877.2	20552.2	11405.7	5154.3	2384.6	1372.5	1097.1	895.6	788.1	707.5	682.9
37.5°	25435.6	21763.5	11210.9	4903.5	2279.4	1258.3	1036.7	839.6	732.2	651.6	620.2
40°	27260.4	23035.3	11011.6	4668.4	2250.2	1166.5	994.1	794.9	680.7	602.3	571.0
42.5°	29038.2	24181.7	10837.0	4493.8	2124.9	1164.3	956.1	761.3	640.4	564.2	528.4
45°	30460.0	25249.7	10803.4	4388.5	1992.8	1204.6	935.9	738.9	609.0	532.9	499.3
47.5°	31642.2	26409.6	11018.4	4314.6	1867.4	1099.4	985.2	723.2	579.9	506.0	468.0
50°	33048.3	27833.6	11524.4	4193.7	1735.3	989.7	1128.5	727.7	555.3	479.2	438.9
52.5°	35009.7	29804.0	12267.7	3990.0	1553.9	888.9	1110.6	732.2	528.4	450.0	409.7
55°	37208.5	32264.7	13067.1	3651.9	1300.9	756.8	951.6	700.8	476.9	418.7	380.6
57.5°	39519.2	34497.0	13541.8	3248.9	1034.4	653.8	761.3	638.1	420.9	376.2	351.5
60°	39881.9	35345.6	13324.6	2754.0	821.7	568.7	564.2	649.3	376.2	331.4	313.5
62.5°	38979.6	34279.8	12274.5	2312.9	687.4	499.3	463.5	566.5	340.3	295.6	277.6
65°	37244.3	31398.2	10572.8	2084.6	638.1	427.7	385.1	398.6	297.8	257.5	241.8
67.5°	34830.6	27551.5	8680.8	1954.7	631.4	367.2	329.1	302.3	257.5	223.9	210.5
70°	29895.8	22952.5	6925.4	1883.0	613.5	309.0	277.6	246.3	214.9	190.3	179.1
72.5°	22003.1	16264.4	5387.1	1804.7	618.0	246.3	241.8	203.8	172.4	147.8	143.3
75°	12713.3	9292.0	3533.2	1462.1	588.9	190.3	201.5	143.3	120.9	103.0	103.0
77.5°	6775.4	5667.0	1345.7	609.0	214.9	120.9	114.2	85.1	76.1	62.7	60.5
80°	2953.3	2494.3	405.3	170.2	118.7	64.9	42.5	38.1	33.6	26.9	24.6
82.5°	1045.6	902.3	132.1	82.8	51.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	237.3	170.2	0.0	20.2	0.0	0.0	0.0	0.0	0.0	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9
2.5°	13450.0	13400.7	13109.6	13120.8	13172.3	13246.2	13071.6	13152.2	13369.4	13577.6	13656.0
5°	10400.4	10411.6	10234.7	10344.4	10442.9	10510.1	10228.0	10232.4	10404.9	10640.0	10763.1
7.5°	7328.4	7310.5	7319.4	7581.4	7767.3	7632.9	7738.1	7373.2	7395.6	7563.5	7438.1
10°	5447.6	5201.3	5062.5	5259.5	5463.3	5389.4	5208.0	5089.4	5172.2	5358.0	5344.6
12.5°	4281.1	3927.3	3719.1	3578.0	3745.9	3607.1	3602.6	3499.6	3387.7	3407.8	3705.6
15°	3219.8	2962.3	2716.0	2489.8	2485.3	2438.3	2198.7	1930.1	1907.7	1921.1	2075.6
17.5°	2214.4	2127.1	2026.3	1831.5	1780.0	1583.0	1350.1	1242.7	1188.9	1213.6	1265.1
20°	1556.1	1522.6	1533.7	1428.5	1354.6	1166.5	1030.0	987.4	978.5	1003.1	1027.7
22.5°	1289.7	1229.2	1222.5	1175.5	1101.6	965.0	891.1	866.5	855.3	877.7	895.6
25°	1128.5	1068.0	1043.4	1014.3	935.9	841.9	797.1	774.7	763.5	776.9	788.1
27.5°	994.1	938.2	915.8	895.6	819.5	752.3	716.5	696.3	687.4	691.9	703.1
30°	893.4	844.1	815.0	790.4	725.5	678.4	647.1	626.9	618.0	618.0	629.2
32.5°	788.1	761.3	734.4	703.1	642.6	611.3	579.9	557.5	548.6	550.8	559.8
35°	656.0	647.1	653.8	624.7	573.2	546.3	515.0	490.4	483.6	485.9	494.8
37.5°	582.2	541.8	566.5	550.8	521.7	485.9	445.6	423.2	412.0	418.7	423.2
40°	535.1	485.9	468.0	483.6	479.2	420.9	385.1	362.7	353.8	356.0	360.5
42.5°	494.8	436.6	396.3	394.1	420.9	367.2	329.1	309.0	297.8	297.8	302.3
45°	456.8	394.1	344.8	306.7	353.8	311.2	275.4	257.5	244.1	244.1	246.3
47.5°	427.7	358.2	300.0	250.8	266.4	255.3	226.1	208.2	194.8	194.8	197.0
50°	400.8	322.4	259.7	210.5	199.3	210.5	183.6	163.5	154.5	152.3	156.7
52.5°	371.7	286.6	221.7	179.1	156.7	159.0	143.3	129.9	118.7	118.7	123.1
55°	342.6	257.5	192.6	152.3	129.9	118.7	114.2	105.2	96.3	96.3	100.8
57.5°	313.5	226.1	163.5	125.4	103.0	94.0	94.0	87.3	80.6	80.6	85.1
60°	286.6	194.8	134.3	103.0	80.6	78.4	80.6	73.9	69.4	69.4	73.9
62.5°	255.3	165.7	109.7	85.1	64.9	62.7	69.4	64.9	60.5	60.5	64.9
65°	217.2	141.1	87.3	64.9	49.3	49.3	58.2	53.7	49.3	49.3	53.7
67.5°	183.6	118.7	67.2	47.0	35.8	38.1	49.3	44.8	42.5	42.5	47.0
70°	152.3	91.8	47.0	29.1	20.2	29.1	38.1	38.1	38.1	38.1	42.5
72.5°	114.2	62.7	26.9	11.2	9.0	20.2	31.3	35.8	33.6	33.6	40.3
75°	73.9	35.8	9.0	0.0	0.0	11.2	24.6	29.1	29.1	26.9	33.6
77.5°	42.5	11.2	0.0	0.0	0.0	0.0	15.7	13.4	11.2	9.0	15.7
80°	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9	15856.9
2.5°	13971.7	14235.9	14607.5	15001.6	15608.4	16089.8	16562.2	16967.5	17124.2	17189.2
5°	11058.7	11446.0	11990.1	12688.7	13783.6	14768.8	15767.4	16772.7	17209.3	17319.0
7.5°	7935.2	8430.0	9121.9	9997.3	11280.3	12556.6	13951.5	15427.0	16103.2	16273.4
10°	5873.0	6477.6	7270.2	8192.7	9417.4	10729.5	12249.8	13935.8	14708.3	14934.4
12.5°	4166.9	4984.1	6045.4	7167.2	8228.5	9399.5	10937.7	12796.2	13606.7	13850.7
15°	2447.3	3237.7	4493.8	5996.2	7355.3	8542.0	10104.8	12211.8	13105.1	13351.4
17.5°	1403.9	1798.0	2747.3	4422.1	6267.1	7910.6	9842.9	12357.3	13409.7	13638.0
20°	1072.5	1197.9	1583.0	2848.1	4995.3	7290.3	9842.9	13181.3	14477.7	14813.5
22.5°	938.2	1030.0	1186.7	1699.4	3676.5	6625.3	9957.0	14372.4	16067.4	16439.1
25°	832.9	915.8	1050.1	1278.5	2507.7	5835.0	10228.0	15834.5	17939.2	18420.6
27.5°	745.6	824.0	944.9	1119.5	1715.1	4881.1	10592.9	17549.7	20003.7	20388.8
30°	667.2	741.1	850.8	974.0	1323.3	3799.7	10904.2	19166.2	21624.7	22038.9
32.5°	593.3	660.5	759.0	850.8	1083.7	2810.0	10937.7	20447.0	22970.4	23382.4
35°	523.9	584.4	674.0	745.6	897.9	2218.9	10416.0	21557.5	24316.1	24860.1
37.5°	456.8	515.0	593.3	647.1	790.4	1809.2	9618.9	22795.7	26042.4	26546.1
40°	394.1	445.6	526.2	562.0	747.8	1390.4	8752.4	24094.4	27735.1	28196.3
42.5°	335.9	385.1	463.5	532.9	656.0	1038.9	7816.5	25312.4	29257.6	29741.3
45°	279.9	331.4	409.7	564.2	544.1	776.9	6815.7	26120.7	30460.0	30986.2
47.5°	226.1	284.4	391.8	537.4	434.4	571.0	6023.0	26886.5	31371.3	31890.8
50°	181.4	239.6	441.1	479.2	356.0	436.6	5691.7	27571.6	31969.1	32468.4
52.5°	147.8	201.5	416.5	367.2	297.8	360.5	5870.8	28682.2	32522.2	32835.6
55°	123.1	159.0	250.8	255.3	253.0	306.7	6092.4	30276.4	33952.9	34100.7
57.5°	107.5	127.6	174.6	197.0	212.7	273.2	6096.9	32564.7	36167.3	36259.1
60°	91.8	112.0	145.5	159.0	183.6	244.1	5875.3	33364.0	37038.3	37342.8
62.5°	80.6	98.5	120.9	132.1	154.5	219.4	5355.8	32206.5	35842.7	36359.9
65°	71.6	89.6	100.8	112.0	136.6	197.0	4500.5	29891.3	33858.9	34398.5
67.5°	62.7	78.4	89.6	100.8	123.1	174.6	3313.8	27202.2	31581.8	32029.6
70°	56.0	69.4	80.6	89.6	107.5	147.8	2010.7	23082.3	28433.7	28619.5
72.5°	53.7	62.7	73.9	80.6	94.0	129.9	1018.8	16963.0	22730.8	23033.1
75°	47.0	56.0	67.2	71.6	82.8	112.0	414.2	11141.5	16472.7	16958.5
77.5°	38.1	51.5	60.5	64.9	71.6	91.8	210.5	7120.2	11560.2	11873.7
80°	13.4	38.1	51.5	53.7	60.5	67.2	138.8	3898.2	6705.9	6840.3
82.5°	0.0	24.6	40.3	38.1	42.5	51.5	89.6	1853.9	4426.6	4475.9
85°	0.0	11.2	31.3	24.6	17.9	35.8	31.3	405.3	2321.9	2418.2
87.5°	0.0	0.0	2.2	11.2	9.0	13.4	4.5	2.2	210.5	266.4
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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