

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: McGRAW-EDISON

Report Number: P534424

Luminaire Tested: **GALN-SA9D-830-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534424
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9D-830-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41504 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 552
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

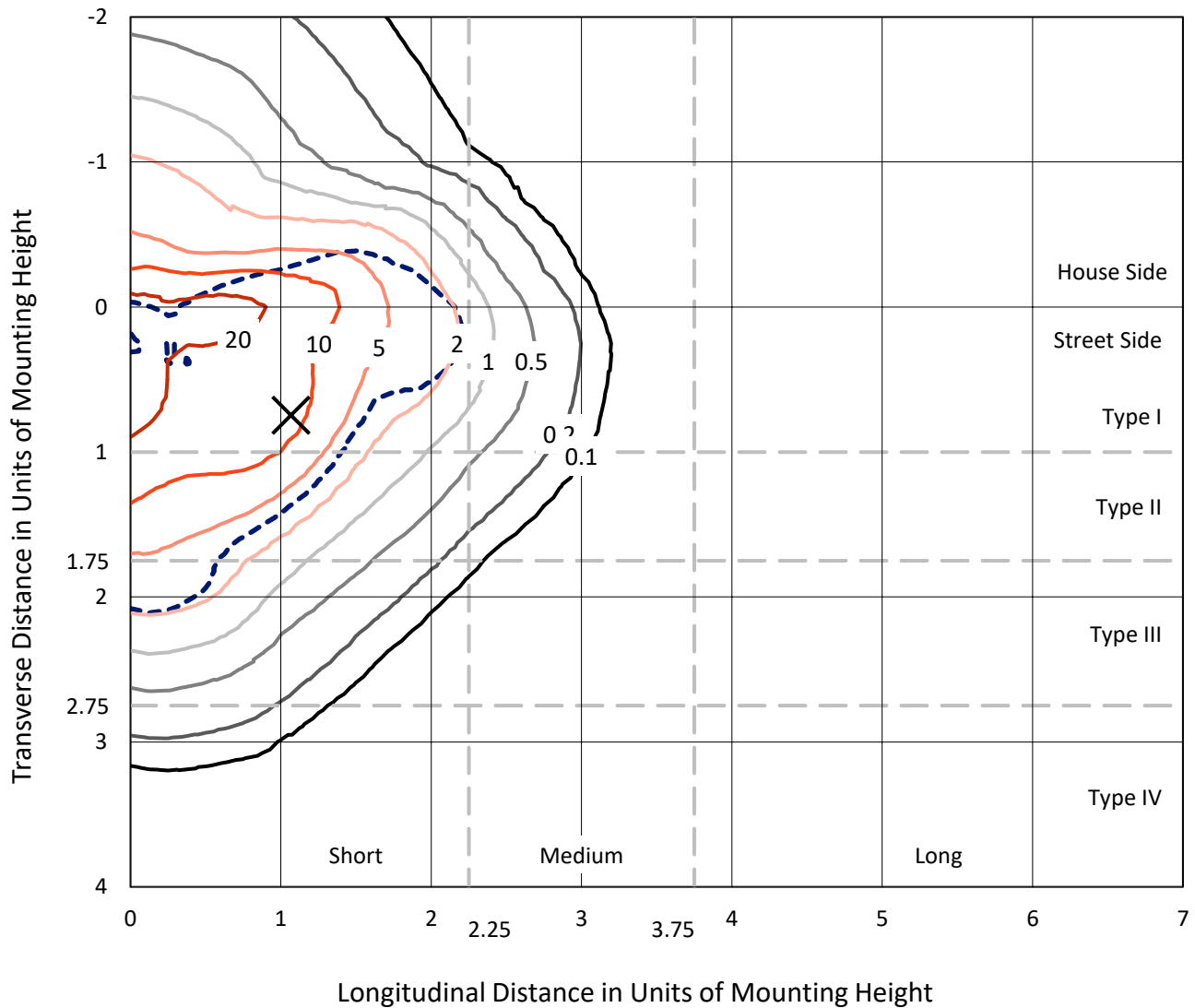


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

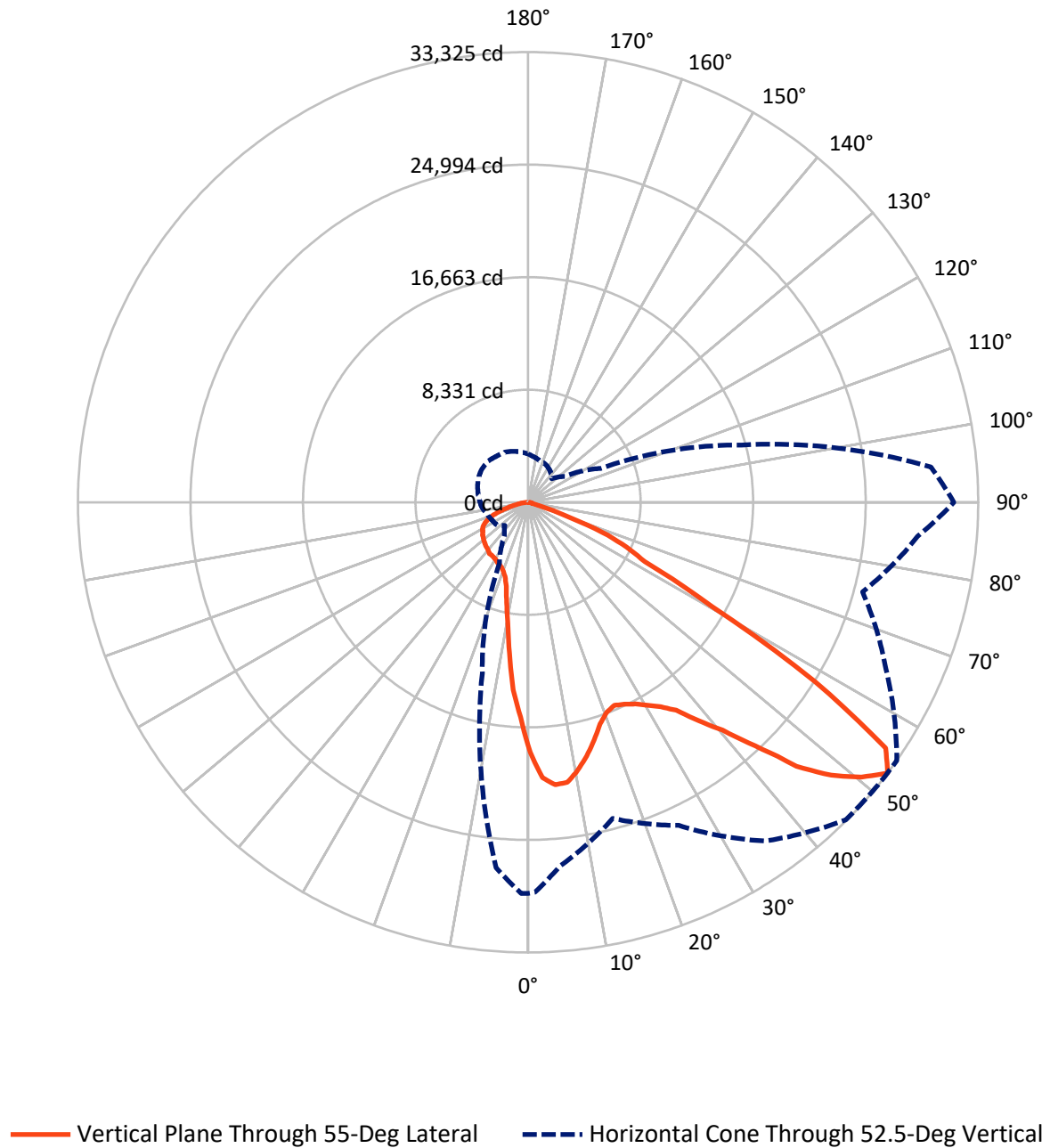


Based on 25 foot mounting height. Maximum calculated value = 31.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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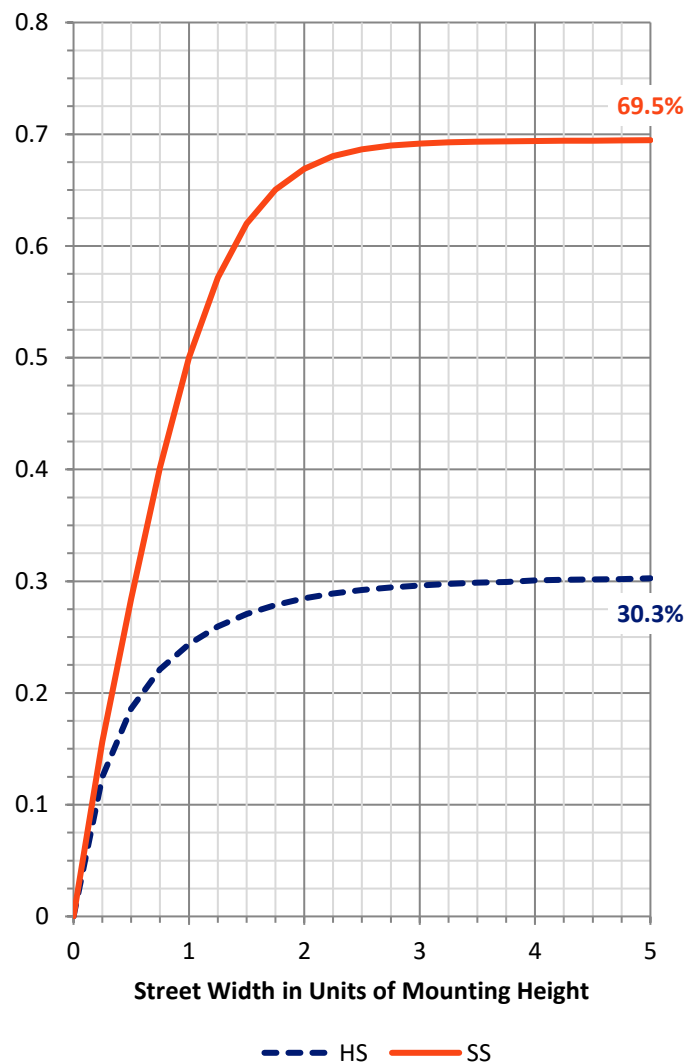
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12661.0	0.0	12661.0
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	28843.0	0.0	28843.0
	% Fixture	69.5	0.0	69.5
Total	Lumens	41504.0	0.0	41504.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1414.4	3.4
10°-20°	3049.7	7.3
20°-30°	4624.4	11.1
30°-40°	6681.5	16.1
40°-50°	8928.3	21.5
50°-60°	9965.9	24.0
60°-70°	5466.8	13.2
70°-80°	1181.9	2.8
80°-90°	191.2	0.5
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°	41504.0	100.0
0°-180°	41504.0	100.0

Coefficient of Utilization



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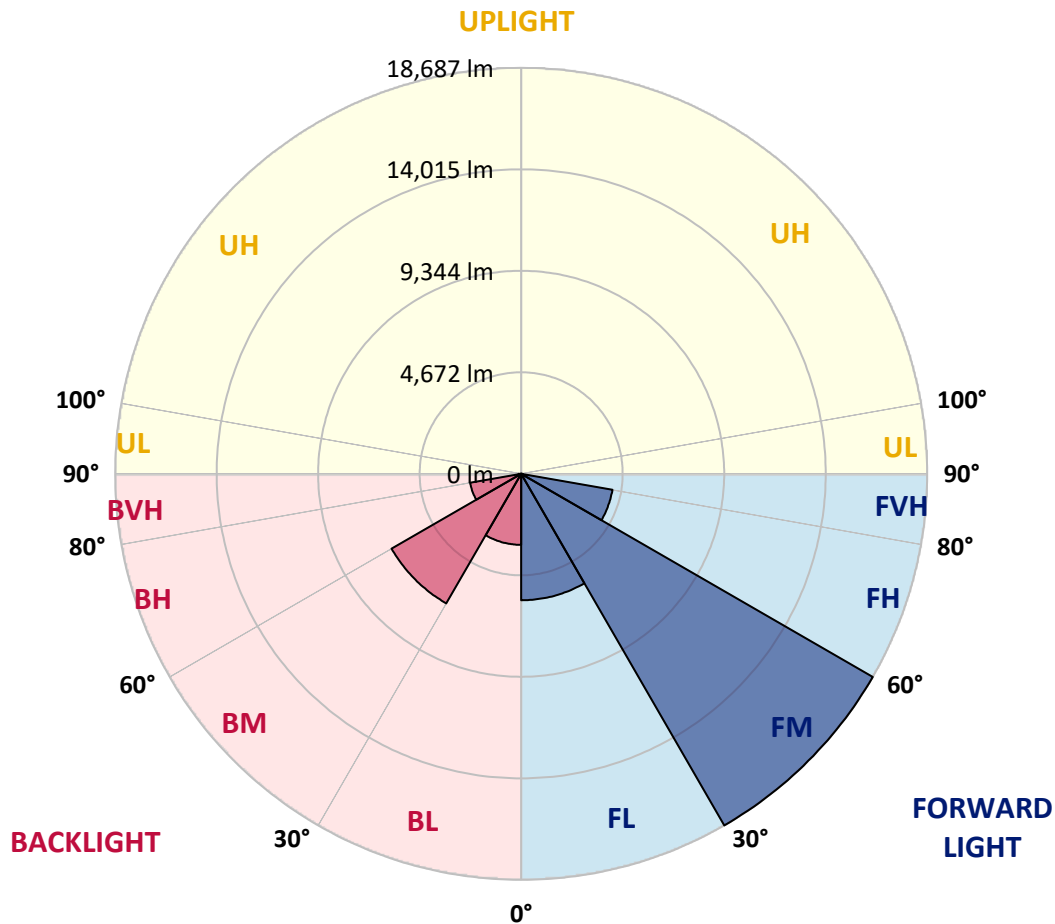
CATALOG NUMBER: GALN-SA9D-830-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5819.6	14.0			
FM	(30°-60°)	18687.1	45.0			
FH	(60°-80°)	4265.6	10.3			G2/5000
FVH	(80°-90°)	70.8	0.2			G1/100
BL	(0°-30°)	3268.9	7.9	B4/5000		
BM	(30°-60°)	6888.6	16.6	B4/8500		
BH	(60°-80°)	2383.1	5.7	B3/2500		G3/2500
BVH	(80°-90°)	120.4	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0
2.5°	19429.1	19320.0	19417.0	19877.5	20144.2	20326.0	20441.1	20423.0	19986.6	19562.4	19562.4
5°	18859.4	18720.0	18920.0	19962.4	21010.8	21101.7	21253.2	21004.7	20362.4	19586.7	18617.0
7.5°	17211.0	17314.1	17647.4	19017.0	20380.5	21065.4	21247.2	20932.0	19889.7	18441.3	17017.1
10°	15786.9	16029.3	16799.0	18277.6	19532.1	20423.0	20623.0	20180.6	19356.4	17580.7	16308.1
12.5°	15296.0	15144.5	15999.0	17477.7	18677.6	19156.4	19247.3	19277.6	18720.0	17144.4	15593.0
15°	15235.4	15332.4	15999.0	17120.1	17859.5	17883.7	18035.2	18271.6	18344.3	17441.3	15926.3
17.5°	16108.1	15992.9	16677.7	17568.6	17217.1	16865.6	16902.0	17241.3	17841.3	17695.9	16974.7
20°	17398.9	17659.5	18198.9	18108.0	17162.6	16271.7	16277.8	16599.0	17780.7	18750.3	18435.2
22.5°	19544.2	19798.8	20198.7	19101.8	17162.6	16096.0	15889.9	16326.3	18168.6	20004.8	20083.6
25°	21501.7	21968.3	22077.4	20786.6	18023.1	16259.6	16126.3	16556.5	18556.4	21229.0	21974.4
27.5°	23283.4	23453.1	23931.8	21871.4	18501.9	16368.7	16356.6	16908.0	19047.3	21841.1	23665.2
30°	24689.4	24671.2	24943.9	22556.2	19265.5	16980.8	16392.9	17435.3	19689.7	22853.1	25228.7
32.5°	25646.9	25852.9	26428.7	23507.6	19586.7	17562.5	17102.0	18053.4	20471.4	23331.9	26331.7
35°	27331.6	27689.2	26962.0	24034.9	20604.8	18138.3	17598.9	18895.8	20859.3	23853.1	27683.1
37.5°	28919.4	28646.7	27907.3	24319.7	21265.3	19204.9	18701.9	20526.0	22065.3	24986.3	28580.0
40°	29937.5	29931.5	28616.4	24550.0	21732.0	20835.1	20804.8	22180.4	23544.0	25701.4	29586.0
42.5°	30379.9	30804.1	28907.3	24525.7	22713.7	22810.7	23422.8	24653.0	24592.4	25846.9	29561.8
44°	30985.9	31240.5	29410.3	24580.3	23368.2	24143.9	25586.3	26368.0	25507.5	25768.1	29531.5
45°	30961.7	30979.9	28695.2	24653.0	23925.8	25259.0	26549.9	27871.0	26313.5	25598.4	29931.5
47.5°	30252.7	30046.6	28089.2	24113.6	25665.1	28204.3	29398.2	30198.1	27307.4	25234.8	29434.5
50°	28852.7	28616.4	26616.5	23883.4	26028.7	30034.5	31682.9	31973.8	28210.4	24877.2	28943.6
52.5°	28949.7	28883.0	27034.7	24228.8	26392.3	30610.2	33252.5	33325.2	29234.5	25628.7	28949.7
55°	30682.9	30452.6	28234.6	24659.1	26125.6	29937.5	32252.5	32125.3	28889.1	25174.2	29483.0
57.5°	28077.0	28228.5	26574.1	22956.1	22865.2	24337.9	25356.0	25040.9	24107.6	22719.8	27428.6
60°	22653.1	23083.4	23241.0	19198.8	17253.5	16495.9	16192.9	15635.4	15793.0	18665.5	24095.5
62.5°	19429.1	19404.8	20392.7	17405.0	11302.3	9720.6	9575.2	9702.4	11520.5	18374.6	23598.5
65°	15405.1	15817.2	16120.2	14750.6	8944.9	7217.7	7211.7	8017.7	9969.1	15356.6	19053.4
67.5°	9781.2	10320.6	10696.3	9435.8	5981.4	5139.1	4999.7	5969.3	6908.7	10072.1	11472.0
70°	5514.8	5769.3	5939.0	5442.1	3805.8	2666.5	2508.9	2739.2	4175.5	6520.8	6799.6
72.5°	2127.1	2242.3	2472.6	2490.8	1436.3	860.6	696.9	836.3	1757.5	2581.7	2460.5
75°	327.3	351.5	496.9	593.9	412.1	315.1	333.3	345.4	490.9	666.6	557.5
77.5°	157.6	157.6	151.5	175.7	206.0	224.2	242.4	266.7	290.9	321.2	309.1
80°	103.0	103.0	103.0	121.2	151.5	181.8	206.0	218.2	230.3	254.5	242.4
82.5°	66.7	66.7	66.7	90.9	121.2	151.5	163.6	193.9	218.2	254.5	236.3
85°	36.4	36.4	36.4	60.6	90.9	127.3	121.2	97.0	54.5	6.1	12.1
87.5°	12.1	12.1	12.1	12.1	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°	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0
2.5°	19053.4	18774.6	18750.3	18180.7	17671.6	17423.2	17223.2	16665.6	16786.8	16465.6	16459.6
5°	18132.2	17562.5	16641.4	15883.9	15126.3	14974.8	14314.3	13738.5	13756.7	13344.6	13417.3
7.5°	16477.8	16083.8	14962.7	13774.9	12768.9	12053.8	11429.6	11053.9	10575.1	10411.5	10326.6
10°	15429.3	14944.5	13684.0	12193.2	11066.0	10684.2	10084.2	9750.9	9260.0	9017.6	8847.9
12.5°	14968.8	14259.7	12684.1	11169.0	10417.5	10023.6	9514.6	8908.5	8326.8	8102.5	7793.5
15°	15017.2	14168.8	12393.2	10756.9	9853.9	9090.3	8635.8	7963.1	7369.2	6975.3	6751.1
17.5°	15750.5	14720.3	12526.5	10441.8	9144.9	8187.4	7296.5	6569.3	6096.6	5799.6	5726.9
20°	17483.8	16083.8	12750.7	9932.7	8435.8	7242.0	6145.1	5387.5	5023.9	5017.9	5023.9
22.5°	18926.1	17538.3	13205.2	9629.7	7726.8	6029.9	4939.1	4696.7	4624.0	4775.5	4793.6
25°	20871.4	19174.6	13987.0	9472.1	7072.3	5139.1	4466.4	4375.5	4369.4	4563.4	4569.4
27.5°	22865.2	20604.8	14453.6	9011.6	6405.7	4678.5	4181.6	4163.4	4260.3	4466.4	4448.2
30°	24222.7	21804.7	15296.0	8460.1	5617.8	4272.5	4066.4	4090.7	4224.0	4381.5	4405.8
32.5°	25804.4	22986.4	15514.2	8157.1	5133.0	3933.1	3787.6	3842.2	4011.9	4260.3	4393.7
35°	27616.5	23822.8	15847.5	7745.0	4951.2	3672.5	3599.8	3660.4	3866.4	4030.1	4175.5
37.5°	28955.8	25301.4	15908.1	7423.8	4751.2	3527.1	3411.9	3611.9	3733.1	3963.4	4036.1
40°	29949.6	26374.1	16065.7	7223.8	4593.7	3339.2	3339.2	3472.5	3636.1	3848.2	3993.7
42.5°	30586.0	27155.9	16180.8	7042.0	4290.6	3284.6	3254.3	3387.7	3605.8	3811.9	3878.5
44°	30973.8	27489.2	16065.7	6872.3	4205.8	3218.0	3218.0	3333.1	3502.8	3745.2	3824.0
45°	31070.8	27907.3	15811.1	6866.2	4102.8	3139.2	3127.1	3345.2	3460.4	3757.3	3805.8
47.5°	31446.5	28422.5	15841.4	6672.3	3854.3	2951.3	3163.4	3260.4	3363.4	3624.0	3787.6
50°	31434.4	28743.7	15774.8	6387.5	3672.5	2739.2	3090.7	3199.8	3302.8	3569.5	3636.1
52.5°	31519.2	29943.6	16386.9	5933.0	3345.2	2466.5	2848.3	3090.7	3218.0	3442.2	3581.6
55°	31476.8	30628.4	16992.9	5593.6	2884.7	2302.9	2642.3	2927.1	3108.9	3345.2	3411.9
57.5°	28749.7	27071.0	15726.3	4957.3	2387.7	2109.0	2351.4	2757.4	2987.7	3230.1	3314.9
60°	23489.4	20865.4	12968.9	3648.3	1963.5	1939.3	2187.7	2702.9	2799.8	3011.9	3157.4
62.5°	21707.7	18301.9	10284.2	2787.7	1678.7	1775.6	2018.1	2442.3	2593.8	2854.4	2987.7
65°	16986.8	12156.8	6369.3	1884.7	1478.7	1593.8	1824.1	2139.3	2387.7	2630.1	2787.7
67.5°	10060.0	6642.0	3151.3	1321.1	1290.8	1412.0	1648.4	1884.7	2169.6	2436.2	2515.0
70°	5478.4	3266.5	1345.4	1006.0	1096.9	1206.0	1436.3	1599.9	1872.6	2078.7	2212.0
72.5°	1757.5	993.9	672.7	745.4	836.3	963.6	1103.0	1302.9	1496.9	1618.1	1727.2
75°	424.2	418.2	478.8	521.2	606.0	703.0	818.1	921.2	1072.7	1187.8	1284.8
77.5°	297.0	321.2	369.7	430.3	460.6	496.9	569.7	648.4	715.1	800.0	860.6
80°	230.3	248.5	284.8	315.1	345.4	375.7	412.1	442.4	484.8	539.4	569.7
82.5°	218.2	230.3	266.7	284.8	272.7	266.7	290.9	303.0	309.1	327.3	345.4
85°	18.2	0.0	12.1	42.4	103.0	151.5	163.6	163.6	157.6	169.7	169.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	24.2	18.2
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°	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0
2.5°	16386.9	16180.8	16259.6	16356.6	16217.2	15896.0	15980.8	15944.5	16271.7	16247.5	16574.7
5°	13738.5	13417.3	13453.7	13926.4	13774.9	13938.5	13611.3	13568.8	13629.5	13659.8	13714.3
7.5°	10514.5	10472.1	10835.7	11235.7	11423.5	11229.6	10908.4	10835.7	10769.0	10635.7	10938.7
10°	8581.3	8593.4	8569.2	8872.2	9084.3	9041.9	8847.9	8823.7	8696.4	8647.9	8817.6
12.5°	7660.1	7496.5	7417.7	7320.8	7484.4	7593.5	7508.6	7448.0	7454.1	7514.7	7538.9
15°	6769.3	6666.3	6496.6	6387.5	6466.3	6411.7	6381.4	6502.6	6472.3	6460.2	6605.6
17.5°	5769.3	5854.2	5842.1	5720.9	5823.9	5781.5	5775.4	5690.6	5575.4	5490.6	5539.0
20°	5108.8	5266.3	5387.5	5393.6	5448.1	5442.1	5351.2	5090.6	5005.7	4987.6	4999.7
22.5°	4872.4	4957.3	5102.7	5308.8	5308.8	5211.8	5102.7	4799.7	4720.9	4636.1	4599.7
25°	4684.6	4848.2	5036.0	5060.3	5157.3	5066.4	4890.6	4739.1	4575.5	4460.3	4460.3
27.5°	4587.6	4769.4	4908.8	4951.2	5084.5	5011.8	4830.0	4636.1	4442.1	4436.1	4333.1
30°	4545.2	4714.9	4805.8	4908.8	4969.4	4854.2	4799.7	4593.7	4399.7	4351.2	4181.6
32.5°	4417.9	4660.3	4830.0	4805.8	4854.2	4805.8	4727.0	4557.3	4339.1	4230.0	4211.9
35°	4272.5	4514.9	4696.7	4823.9	4854.2	4751.2	4702.7	4472.4	4175.5	4121.0	3933.1
37.5°	4193.7	4339.1	4563.4	4769.4	4811.8	4757.3	4593.7	4357.3	4060.4	3999.8	3836.1
40°	4096.7	4284.6	4460.3	4630.0	4757.3	4624.0	4436.1	4205.8	4072.5	3890.7	3842.2
42.5°	4024.0	4236.1	4381.5	4569.4	4714.9	4539.1	4320.9	4163.4	3975.5	3854.3	3714.9
44°	3999.8	4193.7	4290.6	4520.9	4642.1	4508.8	4327.0	4163.4	3945.2	3836.1	3714.9
45°	3914.9	4181.6	4284.6	4490.6	4593.7	4484.6	4254.3	4090.7	3933.1	3799.8	3672.5
47.5°	3830.1	4011.9	4187.6	4351.2	4424.0	4387.6	4193.7	3993.7	3805.8	3727.0	3605.8
50°	3805.8	3987.6	4151.3	4302.8	4387.6	4314.9	4139.1	3945.2	3727.0	3599.8	3496.8
52.5°	3684.6	3908.8	4090.7	4139.1	4248.2	4205.8	4072.5	3860.4	3654.3	3545.2	3460.4
55°	3508.9	3745.2	3993.7	4054.3	4211.9	4145.2	3945.2	3745.2	3569.5	3405.8	3296.8
57.5°	3442.2	3672.5	3914.9	3993.7	4090.7	3981.6	3933.1	3721.0	3442.2	3357.4	3187.7
60°	3272.5	3563.4	3763.4	3945.2	3951.3	3921.0	3836.1	3593.7	3363.4	3205.9	3084.7
62.5°	3139.2	3411.9	3569.5	3739.2	3842.2	3757.3	3672.5	3448.3	3199.8	3024.1	2884.7
65°	2945.3	3193.7	3327.1	3430.1	3545.2	3533.1	3387.7	3224.0	2963.5	2824.1	2690.7
67.5°	2648.3	2866.5	3048.3	3145.3	3218.0	3199.8	3090.7	2975.6	2708.9	2569.5	2472.6
70°	2290.8	2515.0	2630.1	2684.7	2757.4	2793.8	2708.9	2654.4	2418.0	2236.2	2145.3
72.5°	1842.3	1987.8	2157.4	2205.9	2236.2	2260.5	2260.5	2212.0	1969.6	1896.9	1739.3
75°	1357.5	1472.6	1599.9	1599.9	1654.4	1660.5	1672.6	1642.3	1460.5	1363.6	1327.2
77.5°	921.2	1006.0	1109.0	1151.4	1187.8	1181.7	1175.7	1090.8	993.9	951.5	915.1
80°	600.0	684.8	733.3	787.8	824.2	818.1	830.3	769.6	727.2	654.5	666.6
82.5°	357.6	424.2	472.7	539.4	539.4	557.5	557.5	539.4	496.9	460.6	460.6
85°	169.7	224.2	254.5	297.0	321.2	327.3	290.9	248.5	206.0	187.9	206.0
87.5°	30.3	42.4	60.6	54.5	66.7	60.6	60.6	60.6	60.6	48.5	54.5
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0	18514.0
2.5°	16453.5	16756.5	16968.6	17320.1	17926.2	18411.0	18907.9	19277.6	19320.0	19429.1
5°	13914.3	14077.9	14617.3	15320.3	15817.2	16635.3	17162.6	18120.1	18477.6	18859.4
7.5°	10866.0	11132.6	11853.8	12326.5	13417.3	14441.5	15502.1	16683.8	17156.5	17211.0
10°	9163.1	9550.9	10041.8	10799.3	11393.2	12532.6	13853.7	15168.7	15696.0	15786.9
12.5°	8048.0	8544.9	9199.4	9744.8	10314.5	11308.4	12575.0	14199.1	14883.9	15296.0
15°	6975.3	7490.4	8211.6	8969.1	9472.1	10659.9	12150.8	13980.9	14871.8	15235.4
17.5°	5872.4	6351.1	6945.0	7763.2	8775.2	10108.5	12084.1	14708.2	15683.9	16108.1
20°	4927.0	5193.6	5884.5	6726.9	7993.4	9544.9	12108.3	15780.8	17211.0	17398.9
22.5°	4557.3	4617.9	4890.6	5666.3	7054.1	8969.1	12538.6	17301.9	18926.1	19544.2
25°	4272.5	4260.3	4333.1	4854.2	6369.3	8744.9	12962.8	18701.9	20829.0	21501.7
27.5°	4114.9	3993.7	3999.8	4490.6	5884.5	8381.3	13508.2	20307.8	22986.4	23283.4
30°	4036.1	4011.9	3939.1	4139.1	5357.2	7835.9	13599.2	21889.5	24259.1	24689.4
32.5°	3987.6	3751.3	3660.4	3733.1	4860.3	7242.0	13938.5	22931.9	25834.7	25646.9
35°	3745.2	3533.1	3472.5	3545.2	4508.8	6908.7	13714.3	23840.9	27016.5	27331.6
37.5°	3654.3	3466.5	3345.2	3284.6	4181.6	6629.9	13599.2	25240.8	28161.9	28919.4
40°	3569.5	3369.5	3224.0	3163.4	3927.0	6260.2	13562.8	26319.6	29483.0	29937.5
42.5°	3472.5	3345.2	3181.6	3072.5	3618.0	5890.5	13144.6	26652.9	29889.0	30379.9
44°	3442.2	3248.3	3078.6	3042.2	3496.8	5702.7	13059.8	26955.9	30240.5	30985.9
45°	3411.9	3230.1	3036.2	2987.7	3454.3	5599.7	12944.6	27028.6	30822.3	30961.7
47.5°	3327.1	3211.9	3024.1	2890.7	3363.4	5375.4	12599.2	26616.5	30228.4	30252.7
50°	3260.4	3127.1	2933.2	2672.6	3242.2	5187.6	12756.8	26465.0	28798.2	28852.7
52.5°	3187.7	2987.7	2878.6	2430.2	3042.2	5030.0	13090.1	27149.8	28961.8	28949.7
55°	3102.8	2884.7	2618.0	2224.1	2708.9	4830.0	13896.1	28501.2	30476.9	30682.9
57.5°	2969.5	2781.6	2399.9	2042.3	2327.1	4448.2	13635.5	25913.5	28040.7	28077.0
60°	2793.8	2618.0	2175.6	1902.9	1909.0	3508.9	12193.2	20192.7	22125.9	22653.1
62.5°	2624.1	2527.1	1987.8	1702.9	1624.1	2793.8	10308.4	16780.8	18992.8	19429.1
65°	2424.1	2187.7	1824.1	1551.4	1393.9	1957.5	7302.6	12538.6	14817.3	15405.1
67.5°	2169.6	1915.0	1606.0	1363.6	1193.9	1309.0	3769.5	7126.8	9435.8	9781.2
70°	1896.9	1660.5	1351.4	1151.4	963.6	903.0	1660.5	3399.8	5157.3	5514.8
72.5°	1557.5	1339.3	1078.7	909.0	721.2	624.2	557.5	909.0	1830.2	2127.1
75°	1127.2	975.7	812.1	648.4	509.1	400.0	327.3	272.7	303.0	327.3
77.5°	830.3	709.0	600.0	460.6	357.6	284.8	224.2	169.7	163.6	157.6
80°	648.4	575.7	478.8	369.7	278.8	212.1	157.6	115.1	103.0	103.0
82.5°	509.1	472.7	393.9	303.0	230.3	169.7	115.1	78.8	66.7	66.7
85°	193.9	193.9	284.8	248.5	175.7	121.2	78.8	42.4	36.4	36.4
87.5°	48.5	48.5	48.5	48.5	42.4	36.4	36.4	18.2	12.1	12.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)