

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: P451625

Luminaire Tested: **GLAN-SA2C-730-U-SLR-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P451625
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2C-730-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9247 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 108
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



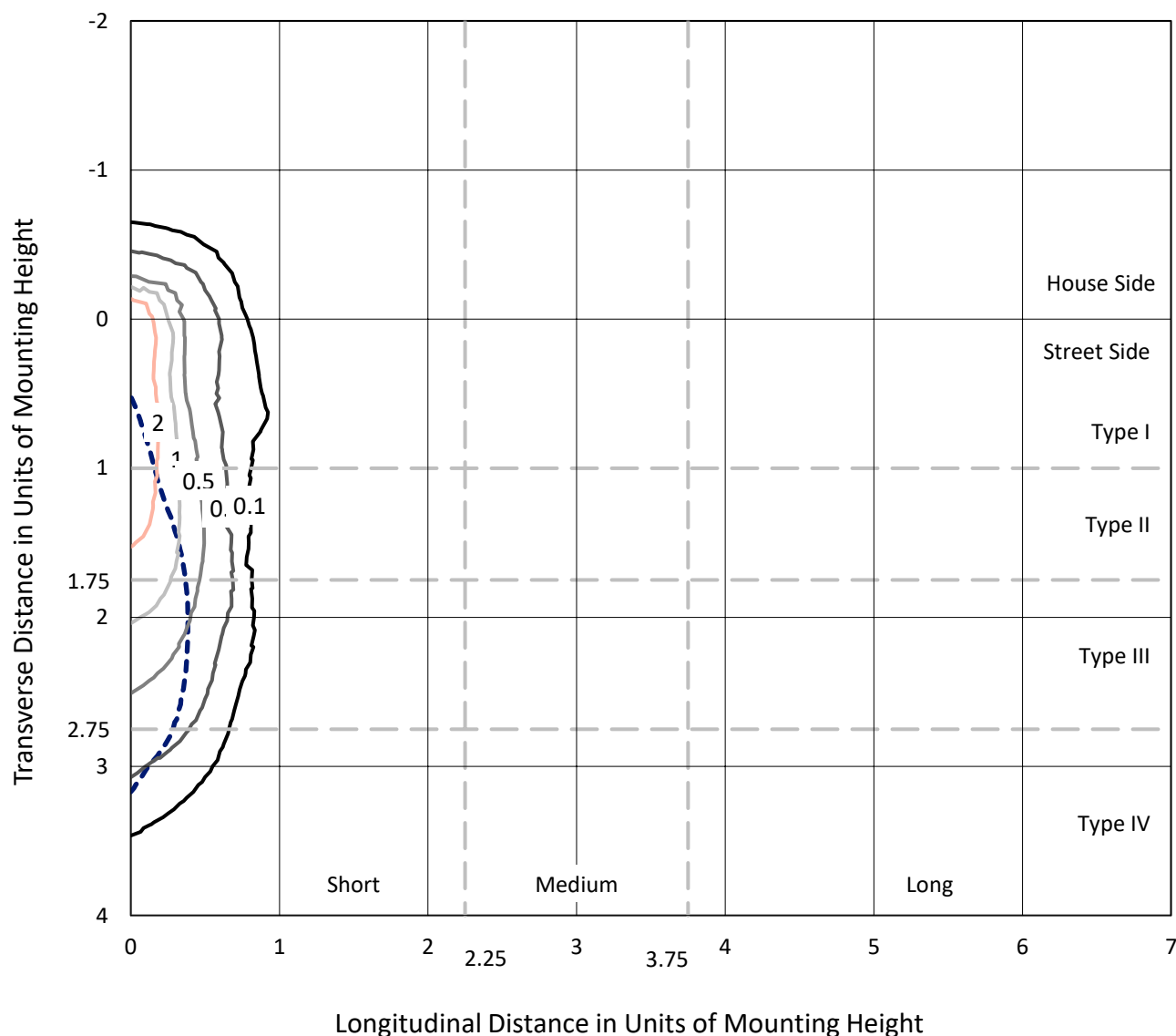
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

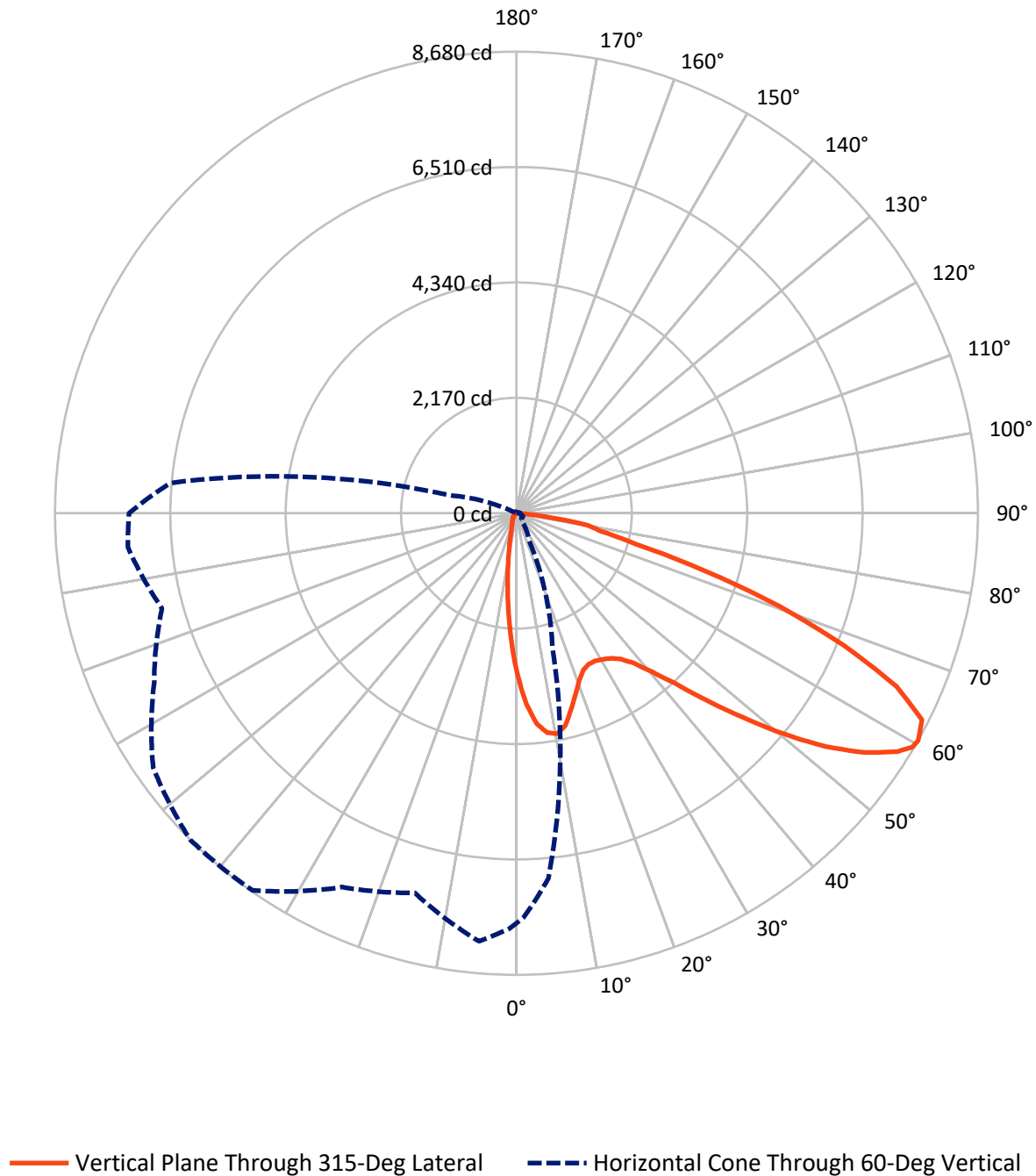
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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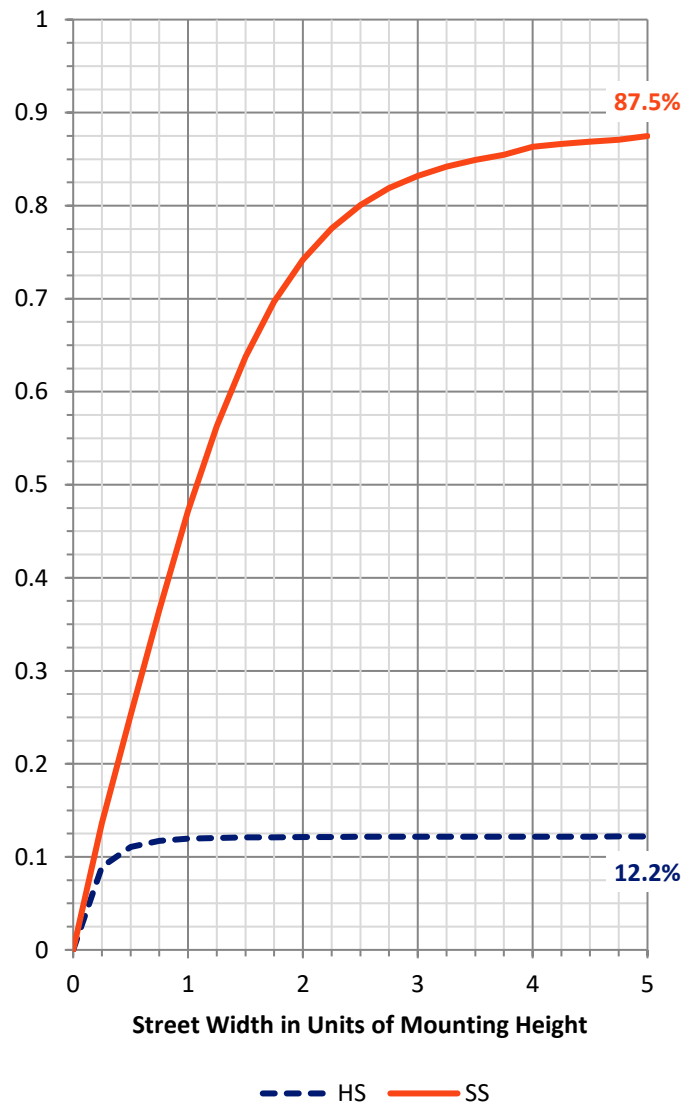
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1140.5	0.0	1140.5
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	8106.5	0.0	8106.5
	% Fixture	87.7	0.0	87.7
Total	Lumens	9247.0	0.0	9247.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.3	2.5
10°-20°	451.4	4.9
20°-30°	661.9	7.2
30°-40°	984.4	10.6
40°-50°	1432.7	15.5
50°-60°	2066.0	22.3
60°-70°	2272.4	24.6
70°-80°	1017.8	11.0
80°-90°	133.0	1.4
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°	9247.0	100.0
0°-180°	9247.0	100.0

Coefficient of Utilization



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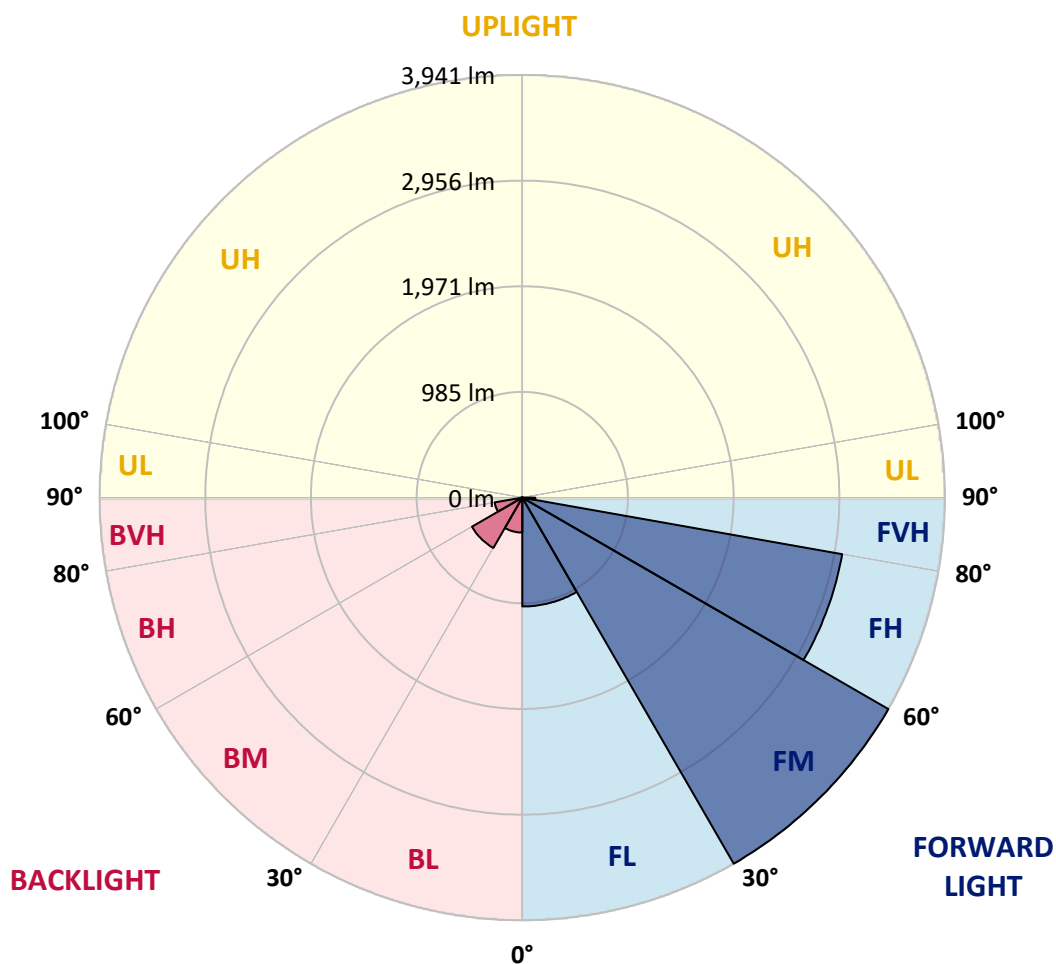
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1014.8	11.0			
FM	(30°-60°)	3941.4	42.6			
FH	(60°-80°)	3028.7	32.8			G2/5000
FVH	(80°-90°)	121.6	1.3			G2/225
BL	(0°-30°)	325.9	3.5	B1/500		
BM	(30°-60°)	541.7	5.9	B1/1000		
BH	(60°-80°)	261.5	2.8	B1/500		G1/500
BVH	(80°-90°)	11.4	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3
2.5°	3359.9	3345.2	3311.4	3208.8	3119.5	3002.8	2884.8	2792.0	2735.0	2630.3	2582.5
5°	3255.2	3262.2	3164.5	2953.6	2718.9	2558.6	2383.6	2244.4	2091.2	1994.2	1892.2
7.5°	2981.8	2967.7	2861.6	2567.7	2282.4	2050.4	1829.0	1649.0	1535.9	1445.2	1369.3
10°	2747.7	2737.1	2601.5	2223.3	1916.8	1743.2	1593.5	1436.1	1314.4	1181.6	1075.5
12.5°	2600.8	2576.9	2420.8	2025.8	1776.3	1614.6	1451.5	1287.7	1119.7	985.5	856.9
15°	2551.6	2517.1	2343.5	1957.6	1686.3	1481.0	1276.5	1088.1	894.8	746.5	649.5
17.5°	2640.8	2583.9	2399.0	1945.7	1578.7	1306.7	1055.1	809.8	608.7	495.6	435.8
20°	2845.4	2780.0	2539.6	1933.7	1459.2	1111.3	802.0	572.2	421.0	359.2	326.2
22.5°	3149.1	3059.1	2747.7	1952.7	1348.9	920.8	579.2	404.2	334.6	295.9	272.7
25°	3513.9	3438.7	3011.3	2020.2	1261.7	771.1	447.8	330.4	281.9	258.0	240.4
27.5°	3913.8	3793.6	3352.2	2101.0	1182.3	655.1	392.9	295.2	250.9	229.1	220.0
30°	4198.5	4105.0	3637.6	2157.2	1083.2	568.0	359.2	291.0	251.6	225.6	208.8
32.5°	4479.7	4360.2	3876.6	2183.2	1010.8	507.5	310.7	253.8	220.7	207.4	190.5
35°	4780.5	4655.4	4114.9	2169.2	956.7	467.4	281.9	226.3	189.1	166.6	149.7
37.5°	5084.9	4952.7	4351.7	2118.6	922.9	451.3	259.4	215.1	178.5	155.3	137.1
40°	5446.2	5269.7	4573.9	2077.1	887.8	442.8	244.6	208.1	170.8	146.2	127.9
42.5°	5741.4	5573.4	4784.0	2055.3	863.9	423.2	244.6	202.4	165.9	138.5	119.5
45°	6021.2	5846.8	5011.1	2072.9	854.0	398.6	247.4	201.7	162.4	132.9	113.9
47.5°	6255.2	6104.1	5244.4	2139.0	841.4	371.8	232.7	211.6	160.3	127.9	108.2
50°	6531.5	6385.3	5553.0	2272.5	818.9	345.1	214.4	227.7	159.6	123.7	103.3
52.5°	6920.9	6762.7	5979.0	2424.3	783.0	304.4	197.5	225.6	156.7	116.7	98.4
55°	7396.8	7268.8	6472.4	2606.4	733.8	258.7	170.8	200.3	148.3	104.7	90.0
57.5°	7701.8	7592.9	6842.2	2685.1	658.6	211.6	150.4	168.0	135.7	93.5	80.1
59°	7737.7	7639.3	6919.5	2659.1	609.4	193.3	140.6	144.1	132.1	87.2	74.5
60°	7707.4	7605.5	6888.5	2608.5	563.7	180.6	132.1	127.9	132.9	83.6	70.3
62.5°	7513.4	7339.1	6588.4	2351.9	492.7	165.9	117.4	104.7	117.4	75.2	62.6
65°	7138.8	6877.3	5994.4	1990.6	464.6	157.5	99.8	87.9	89.3	66.1	54.1
67.5°	6484.4	6154.7	5203.7	1617.4	452.7	158.2	84.3	78.7	68.9	56.2	47.8
70°	5449.7	5120.7	4175.3	1330.6	447.1	158.2	71.7	67.5	57.6	47.1	41.5
72.5°	3861.8	3507.5	2816.6	1045.2	402.8	157.5	61.2	61.2	47.1	39.4	33.7
75°	2181.8	2184.7	1770.6	739.5	334.6	130.0	49.2	48.5	34.4	30.2	25.3
77.5°	1271.6	1249.1	1193.5	317.7	155.3	59.0	34.4	29.5	23.9	21.8	18.3
80°	653.7	537.7	523.7	115.3	55.5	37.3	23.9	16.9	15.5	14.1	12.7
82.5°	193.3	194.0	172.9	46.4	30.9	24.6	11.9	9.1	8.4	7.7	7.7
85°	13.4	8.4	9.8	14.1	19.0	9.8	0.7	2.1	2.1	2.8	3.5
87.5°	1.4	0.7	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°	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3
2.5°	2529.8	2560.7	2503.1	2504.5	2456.7	2472.1	2415.9	2434.2	2401.2	2426.5	2501.0
5°	1903.5	1910.5	1864.1	1849.4	1856.4	1885.2	1896.5	1845.1	1866.9	1824.1	1821.2
7.5°	1341.2	1349.6	1322.9	1319.4	1370.0	1358.0	1379.8	1327.1	1277.2	1299.0	1258.9
10°	1041.7	1006.6	951.7	936.3	926.4	932.8	932.8	885.0	877.9	859.0	887.8
12.5°	822.4	779.5	727.5	657.2	639.7	638.2	612.2	570.1	556.7	540.5	564.4
15°	597.5	579.9	536.3	497.0	456.9	449.2	407.0	372.5	326.9	320.5	318.4
17.5°	420.3	394.3	393.6	371.1	347.9	332.5	293.1	253.8	236.2	234.1	234.1
20°	314.9	305.8	291.0	288.2	281.2	263.6	228.4	207.4	198.9	199.6	202.4
22.5°	265.0	258.7	245.3	239.0	236.2	220.7	194.7	180.6	176.4	176.4	177.1
25°	236.9	231.3	216.5	206.7	203.1	191.9	171.5	161.0	157.5	157.5	157.5
27.5°	215.8	208.8	193.3	184.9	178.5	165.9	153.2	142.7	139.2	139.2	139.9
30°	201.0	193.3	179.2	168.0	158.2	146.9	136.4	127.2	123.0	122.3	123.0
32.5°	181.4	174.3	160.3	153.2	142.0	128.6	120.2	111.8	107.5	108.2	107.5
35°	141.3	139.2	129.3	131.4	125.1	113.9	106.1	97.0	92.1	91.4	92.8
37.5°	128.6	120.2	109.0	109.7	107.5	103.3	90.7	80.8	77.3	77.3	78.0
40°	118.8	110.4	97.7	91.4	92.1	92.1	78.7	68.2	64.7	64.0	65.4
42.5°	110.4	101.9	87.9	77.3	74.5	78.0	66.8	56.2	52.7	51.3	52.7
45°	104.7	95.6	79.4	67.5	59.0	63.3	54.8	46.4	42.2	42.2	41.5
47.5°	99.1	90.7	73.1	58.3	49.2	47.1	45.0	37.3	33.0	32.3	33.0
50°	94.2	85.8	66.1	50.6	41.5	36.6	36.6	29.5	26.7	25.3	26.0
52.5°	89.3	80.1	59.7	45.0	35.8	29.5	26.0	23.9	21.8	21.1	21.8
55°	82.2	73.1	53.4	38.7	30.9	24.6	20.4	19.7	18.3	16.9	18.3
57.5°	73.8	65.4	47.1	33.0	24.6	19.0	16.9	16.2	14.8	14.1	14.1
59°	68.9	61.2	43.6	28.8	21.8	16.9	15.5	14.8	13.4	11.9	12.7
60°	66.1	59.7	41.5	26.7	19.7	15.5	14.1	13.4	11.9	11.2	11.9
62.5°	58.3	53.4	36.6	21.8	15.5	11.2	9.8	10.5	9.8	9.1	9.8
65°	51.3	47.1	30.9	16.9	11.9	7.7	7.0	9.1	8.4	7.7	8.4
67.5°	45.7	40.8	26.0	12.7	8.4	4.2	4.9	7.7	7.7	7.0	7.7
70°	39.4	35.1	21.1	9.1	4.2	2.1	3.5	5.6	7.0	6.3	7.0
72.5°	32.3	27.4	16.2	6.3	2.1	0.0	2.1	4.9	7.0	6.3	7.0
75°	25.3	20.4	11.9	3.5	0.0	0.0	0.7	4.2	7.0	6.3	7.0
77.5°	18.3	14.8	7.0	0.7	0.0	0.0	0.7	4.2	7.0	6.3	7.0
80°	11.9	10.5	2.8	0.0	0.0	0.0	0.7	4.2	7.0	7.0	7.7
82.5°	7.7	5.6	0.0	0.0	0.0	0.0	1.4	5.6	7.7	8.4	8.4
85°	3.5	0.0	0.0	0.0	0.0	0.0	2.8	7.0	9.1	9.1	9.1
87.5°	0.0	0.0	0.0	0.0	0.0	1.4	4.9	8.4	10.5	10.5	10.5
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3
2.5°	2513.6	2557.9	2620.5	2716.8	2794.8	2917.8	3012.0	3140.6	3270.7	3310.0	3371.2
5°	1850.1	1907.0	2049.0	2178.3	2259.9	2519.9	2684.4	2943.8	3176.5	3288.2	3409.8
7.5°	1284.9	1352.4	1460.7	1641.3	1812.8	2024.4	2290.1	2586.7	2927.6	3087.2	3258.7
10°	901.8	986.2	1138.7	1287.0	1502.8	1703.9	1966.0	2293.6	2669.7	2858.0	3073.1
12.5°	569.4	644.6	846.3	1012.9	1282.1	1515.5	1757.3	2053.9	2489.7	2683.0	2908.7
15°	325.4	388.7	482.9	696.6	995.3	1303.9	1605.5	1949.9	2397.6	2635.9	2879.8
17.5°	242.5	259.4	301.5	422.5	694.5	1055.1	1465.6	1918.2	2460.2	2740.0	3018.3
20°	203.8	215.1	234.8	282.6	442.8	812.6	1329.2	1923.9	2662.6	3014.1	3278.4
22.5°	182.8	189.8	206.0	236.9	302.3	591.9	1169.6	1956.9	2908.0	3350.8	3655.9
25°	160.3	169.4	183.5	210.2	251.6	410.5	1012.2	2030.7	3251.7	3778.2	4064.9
27.5°	142.7	151.1	165.2	189.8	220.7	313.5	828.7	2094.0	3614.4	4208.3	4443.1
30°	125.1	133.6	147.6	167.3	195.4	253.8	631.2	2131.2	3966.5	4531.0	4711.6
32.5°	110.4	117.4	130.7	148.3	171.5	215.1	497.7	2092.6	4235.8	4824.1	4945.0
35°	95.6	104.0	115.3	131.4	151.8	183.5	414.0	1959.0	4467.0	5125.6	5169.2
37.5°	80.1	90.0	101.9	116.7	132.9	168.7	332.5	1811.4	4714.4	5501.7	5430.0
40°	67.5	76.6	87.9	104.0	118.8	154.6	255.9	1654.0	4981.5	5854.6	5714.7
42.5°	54.8	64.7	78.0	92.8	117.4	135.0	198.2	1490.9	5221.2	6161.7	5971.9
45°	43.6	52.0	66.1	85.1	116.7	116.0	153.2	1329.9	5401.9	6381.0	6163.8
47.5°	34.4	41.5	55.5	82.9	107.5	98.4	123.0	1230.1	5591.7	6578.6	6310.8
50°	27.4	34.4	47.8	86.5	94.2	84.3	103.3	1246.3	5775.1	6679.1	6371.2
52.5°	23.2	30.2	41.5	68.2	72.4	73.8	90.7	1320.8	6012.0	6786.6	6491.4
55°	20.4	26.7	35.1	47.8	56.2	66.1	82.9	1374.9	6329.0	7017.2	6756.4
57.5°	16.2	23.2	31.6	40.8	46.4	57.6	76.6	1379.1	6615.8	7313.1	7108.6
59°	14.8	21.1	29.5	38.7	41.5	52.0	72.4	1343.3	6626.4	7357.4	7270.2
60°	13.4	20.4	28.1	35.8	39.4	49.2	68.9	1301.8	6530.8	7287.1	7337.0
62.5°	11.2	17.6	24.6	28.8	33.7	40.8	59.7	1151.4	6067.5	6968.7	7213.3
65°	9.8	15.5	21.1	23.9	28.1	35.1	52.7	921.5	5555.8	6537.1	6859.0
67.5°	9.1	14.1	18.3	20.4	24.6	32.3	47.1	650.9	4893.0	5989.5	6326.9
70°	8.4	13.4	16.2	19.0	21.8	27.4	40.1	379.6	3769.0	5029.3	5385.7
72.5°	8.4	12.7	14.1	16.2	19.0	24.6	37.3	205.3	2576.9	3836.5	4296.9
75°	8.4	11.9	12.7	14.1	16.9	22.5	33.0	107.5	1665.9	2665.4	3289.6
77.5°	8.4	11.2	12.7	13.4	16.2	19.7	28.8	67.5	1109.9	1866.9	2223.3
80°	9.1	11.2	11.9	13.4	15.5	18.3	23.9	45.0	652.3	1123.3	1353.1
82.5°	9.8	11.2	12.7	14.1	16.2	17.6	21.1	28.1	300.8	743.0	840.7
85°	10.5	11.9	13.4	14.8	16.9	17.6	19.7	20.4	49.2	335.3	453.4
87.5°	11.2	12.7	14.1	15.5	18.3	18.3	18.3	18.3	16.9	35.8	91.4
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°	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3	3056.3
2.5°	3448.5	3527.9	3583.5	3597.5	3557.4	3539.2	3488.6	3409.8	3362.0	3359.9
5°	3634.1	3820.3	3949.7	3971.5	3894.1	3763.4	3608.1	3407.7	3290.3	3255.2
7.5°	3602.4	3928.6	4136.6	4166.9	4036.8	3787.3	3486.4	3163.8	3035.9	2981.8
10°	3472.4	3870.2	4167.6	4215.4	4041.7	3690.3	3307.9	2948.0	2789.2	2747.7
12.5°	3361.3	3763.4	4027.7	4093.8	3962.3	3611.6	3201.1	2809.5	2639.4	2600.8
15°	3312.8	3636.9	3798.5	3832.3	3810.5	3562.4	3189.8	2788.5	2593.7	2551.6
17.5°	3361.3	3529.3	3549.7	3584.2	3632.7	3557.4	3298.1	2903.0	2692.9	2640.8
20°	3488.6	3435.8	3351.5	3366.3	3477.3	3577.8	3490.7	3156.8	2900.9	2845.4
22.5°	3705.1	3412.6	3221.5	3208.8	3349.4	3646.0	3773.2	3500.5	3203.9	3149.1
25°	3970.8	3471.0	3173.7	3146.2	3299.5	3745.8	4080.4	3921.6	3597.5	3513.9
27.5°	4260.4	3591.9	3173.7	3146.9	3295.3	3834.4	4343.3	4294.1	4005.2	3913.8
30°	4419.2	3691.7	3219.3	3189.1	3347.3	3885.7	4483.9	4625.2	4311.7	4198.5
32.5°	4561.2	3830.2	3308.6	3251.7	3456.2	3961.6	4609.7	4906.3	4555.6	4479.7
35°	4691.9	3978.5	3431.6	3365.5	3599.6	4065.6	4748.9	5201.6	4895.1	4780.5
37.5°	4836.0	4150.7	3623.5	3567.3	3839.3	4268.1	4914.1	5589.6	5229.0	5084.9
40°	4992.8	4350.3	3939.1	3915.2	4220.3	4497.2	5122.8	6003.6	5609.9	5446.2
42.5°	5152.4	4580.2	4325.7	4365.1	4651.9	4818.5	5337.2	6322.0	5922.0	5741.4
45°	5297.2	4874.0	4828.3	5023.0	5155.2	5132.0	5496.1	6546.2	6194.1	6021.2
47.5°	5479.9	5302.1	5436.3	5736.5	5740.0	5472.9	5616.3	6729.7	6428.1	6255.2
50°	5684.5	5807.5	6221.5	6527.2	6445.0	5808.2	5756.9	6946.9	6669.9	6531.5
52.5°	5921.3	6373.3	6946.9	7286.4	7094.5	6173.7	5990.9	7181.7	7053.7	6920.9
55°	6196.9	6759.2	7670.2	7940.8	7747.5	6627.8	6346.6	7500.1	7487.4	7396.8
57.5°	6508.3	7166.9	8089.1	8455.3	8283.1	7160.6	6843.6	7800.2	7752.4	7701.8
59°	6754.3	7376.4	8274.0	8653.6	8549.5	7533.8	7177.4	7987.2	7813.6	7737.7
60°	6903.3	7518.4	8342.2	8680.3	8656.4	7755.9	7389.0	8078.6	7812.9	7707.4
62.5°	7345.4	7766.5	8316.2	8561.5	8655.0	8181.9	8009.7	8179.1	7668.1	7513.4
65°	7502.9	7684.2	7885.3	7855.1	7935.2	8160.1	8406.1	8068.7	7358.8	7138.8
67.5°	7196.4	6782.4	6853.4	6651.7	6612.3	7254.8	8245.2	7528.9	6753.6	6484.4
70°	6066.1	5195.9	5160.1	5252.9	4998.4	5873.5	7403.8	6489.3	5754.7	5449.7
72.5°	4774.9	3672.0	3369.8	3711.4	3703.6	4481.1	6150.5	4604.8	3887.8	3861.8
75°	3755.0	2556.5	2243.7	2299.2	2406.1	3243.9	4898.6	2924.1	2394.1	2181.8
77.5°	2520.6	1811.4	1689.8	1621.6	1736.9	2082.7	3099.1	1585.8	1342.6	1271.6
80°	1452.9	1315.9	1494.4	1356.6	1418.5	1312.3	1541.5	727.5	603.8	653.7
82.5°	945.4	749.3	798.5	593.3	811.2	818.2	494.9	215.1	182.1	193.3
85°	591.1	351.5	197.5	140.6	279.8	514.5	154.6	13.4	15.5	13.4
87.5°	153.2	58.3	24.6	36.6	45.0	40.1	35.8	2.1	0.7	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)