

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: P452321

Luminaire Tested: **GLAN-SA3B-730-U-SLR-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452321
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-SA3B-730-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA 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: 11110 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 121
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

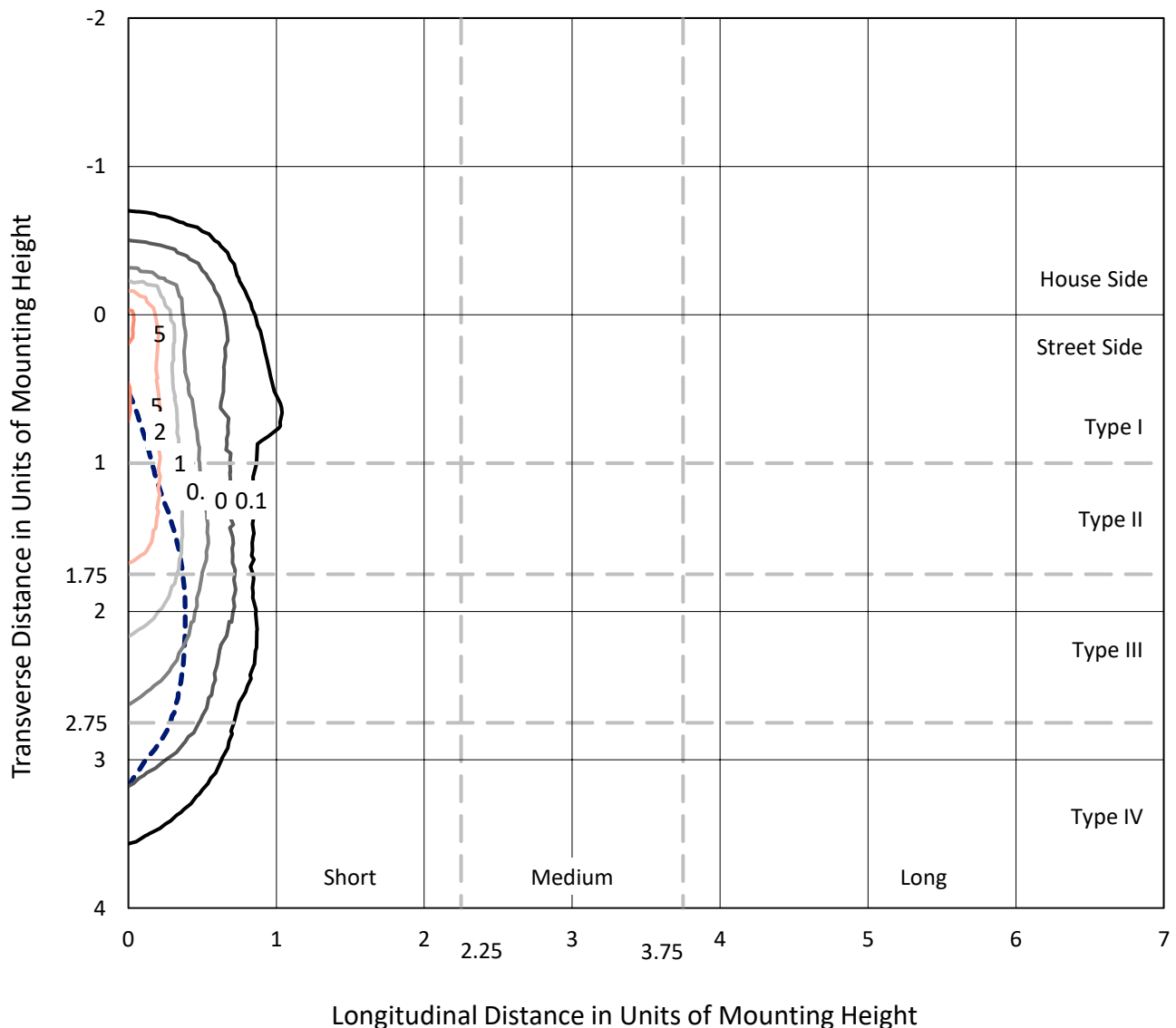


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

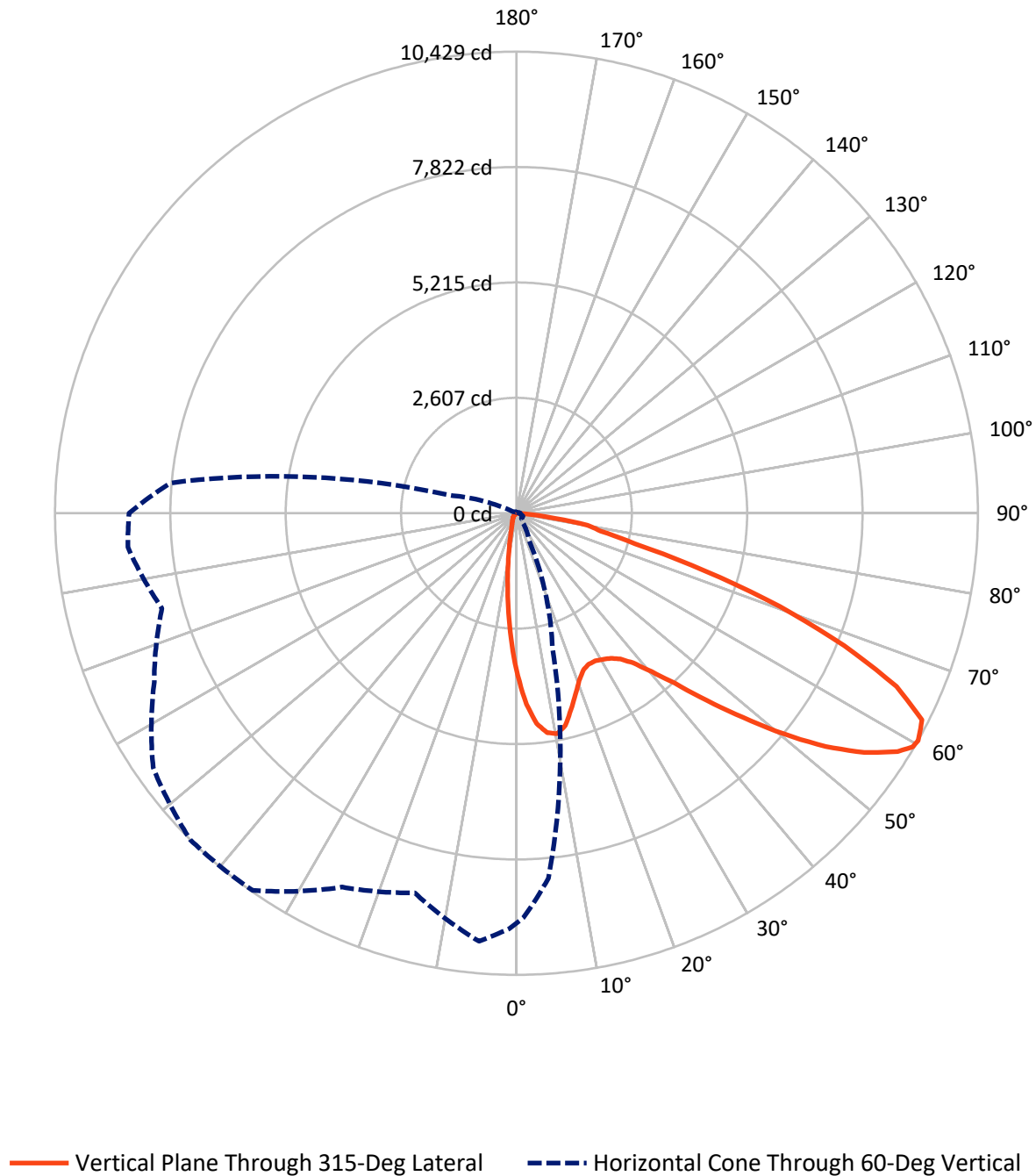


Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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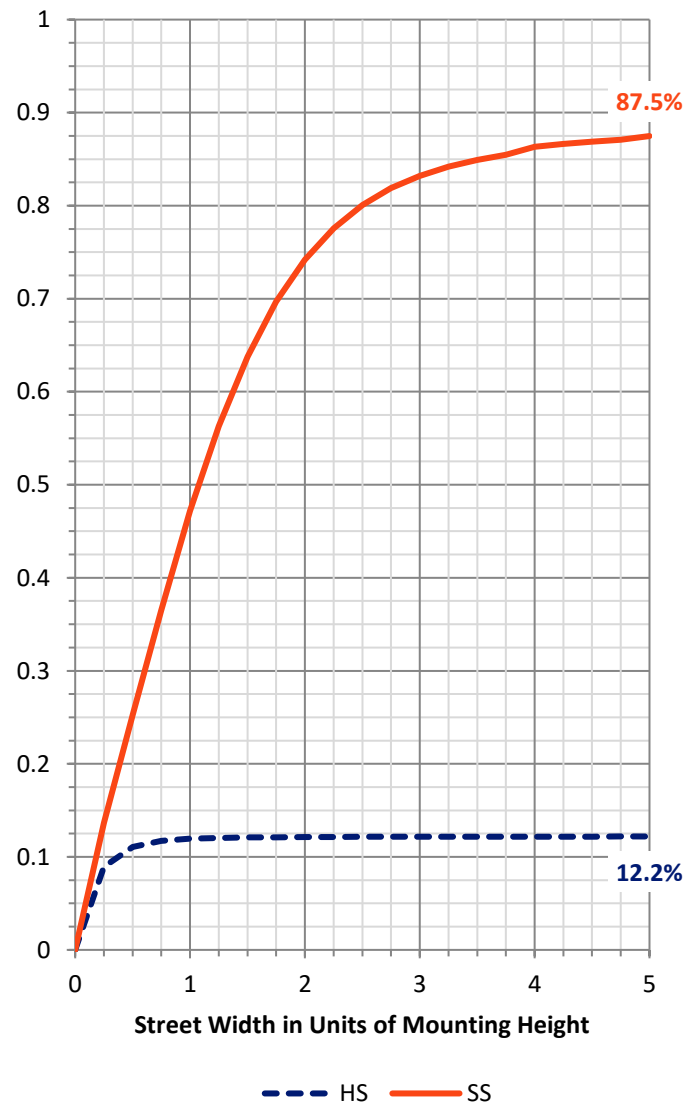
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1370.3	0.0	1370.3
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	9739.7	0.0	9739.7
	% Fixture	87.7	0.0	87.7
Total	Lumens	11110.0	0.0	11110.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.1	2.5
10°-20°	542.4	4.9
20°-30°	795.3	7.2
30°-40°	1182.8	10.6
40°-50°	1721.3	15.5
50°-60°	2482.2	22.3
60°-70°	2730.2	24.6
70°-80°	1222.9	11.0
80°-90°	159.8	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°	11110.0	100.0
0°-180°	11110.0	100.0

Coefficient of Utilization



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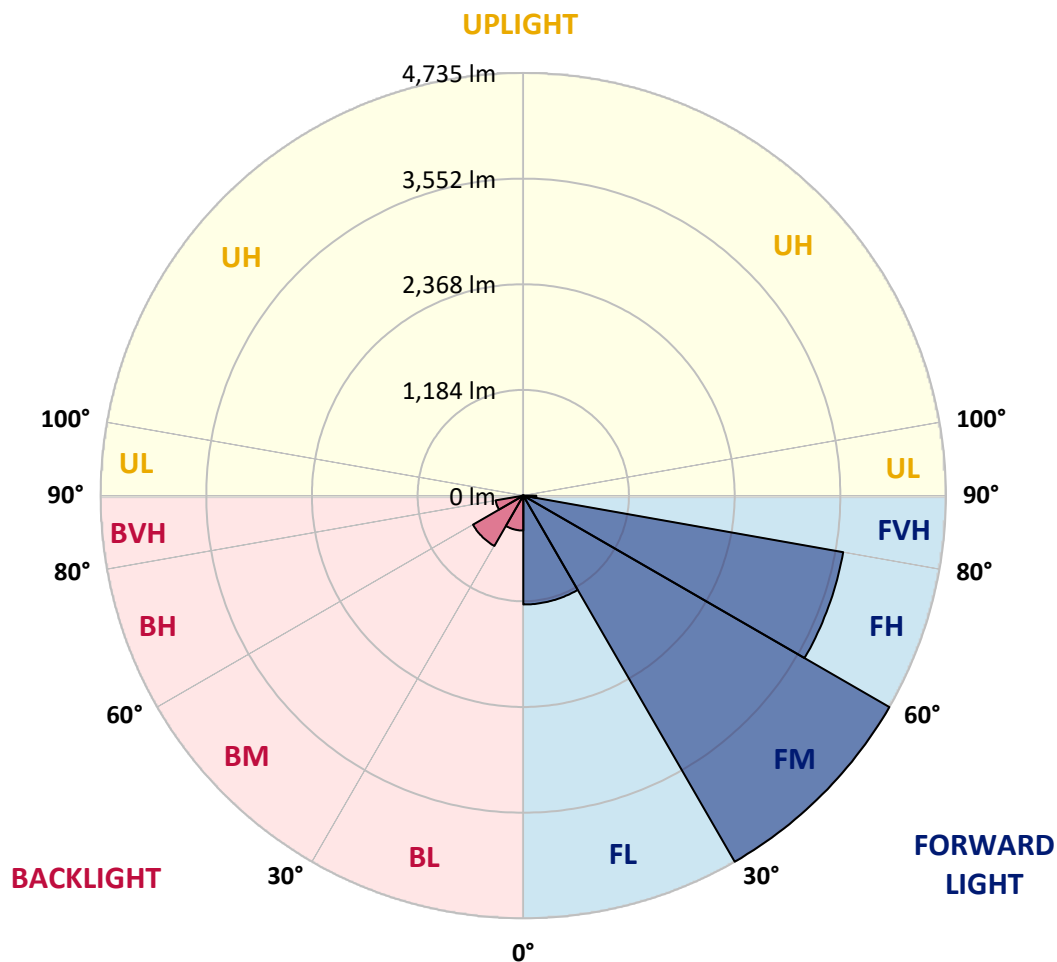
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1219.3	11.0			
FM	(30°-60°)	4735.4	42.6			
FH	(60°-80°)	3638.9	32.8			G2/5000
FVH	(80°-90°)	146.1	1.3			G2/225
BL	(0°-30°)	391.5	3.5	B1/500		
BM	(30°-60°)	650.9	5.9	B1/1000		
BH	(60°-80°)	314.2	2.8	B1/500		G1/500
BVH	(80°-90°)	13.7	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°	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0
2.5°	4036.9	4019.1	3978.6	3855.3	3748.0	3607.8	3465.9	3354.5	3286.1	3160.2	3102.8
5°	3911.0	3919.5	3802.1	3548.7	3266.6	3074.1	2863.8	2696.6	2512.5	2395.9	2273.5
7.5°	3582.5	3565.6	3438.1	3085.1	2742.2	2463.5	2197.5	1981.3	1845.3	1736.4	1645.1
10°	3301.3	3288.6	3125.6	2671.2	2303.0	2094.4	1914.5	1725.4	1579.3	1419.7	1292.1
12.5°	3124.8	3096.0	2908.6	2433.9	2134.1	1939.9	1744.0	1547.2	1345.3	1184.0	1029.5
15°	3065.6	3024.3	2815.7	2352.0	2026.0	1779.4	1533.7	1307.3	1075.1	896.9	780.3
17.5°	3172.9	3104.5	2882.4	2337.7	1896.8	1570.0	1267.6	972.9	731.4	595.4	523.6
20°	3418.7	3340.1	3051.3	2323.3	1753.2	1335.2	963.6	687.4	505.9	431.6	391.9
22.5°	3783.5	3675.4	3301.3	2346.1	1620.7	1106.3	695.9	485.6	402.0	355.5	327.7
25°	4221.8	4131.4	3618.0	2427.2	1515.9	926.4	538.0	396.9	338.7	309.9	288.8
27.5°	4702.3	4557.9	4027.6	2524.3	1420.5	787.1	472.1	354.7	301.5	275.3	264.3
30°	5044.4	4932.1	4370.4	2591.9	1301.4	682.4	431.6	349.6	302.3	271.1	250.8
32.5°	5382.2	5238.6	4657.6	2623.1	1214.4	609.8	373.3	304.9	265.2	249.1	228.9
35°	5743.6	5593.3	4943.9	2606.2	1149.4	561.6	338.7	271.9	227.2	200.2	179.9
37.5°	6109.3	5950.6	5228.5	2545.4	1108.9	542.2	311.6	258.4	214.5	186.6	164.7
40°	6543.4	6331.4	5495.4	2495.6	1066.6	532.1	293.9	250.0	205.2	175.7	153.7
42.5°	6898.1	6696.3	5747.9	2469.4	1037.9	508.4	293.9	243.2	199.3	166.4	143.6
45°	7234.2	7024.8	6020.7	2490.5	1026.1	478.8	297.3	242.4	195.1	159.6	136.8
47.5°	7515.5	7333.9	6301.0	2569.9	1010.9	446.8	279.5	254.2	192.6	153.7	130.1
50°	7847.4	7671.7	6671.8	2730.4	983.9	414.7	257.6	273.6	191.7	148.6	124.1
52.5°	8315.2	8125.2	7183.6	2912.8	940.8	365.7	237.3	271.1	188.3	140.2	118.2
55°	8887.0	8733.3	7776.4	3131.5	881.7	310.8	205.2	240.7	178.2	125.8	108.1
57.5°	9253.5	9122.6	8220.6	3226.1	791.3	254.2	180.7	201.8	163.0	112.3	96.3
59°	9296.6	9178.3	8313.5	3194.9	732.2	232.2	168.9	173.1	158.8	104.7	89.5
60°	9260.3	9137.8	8276.4	3134.0	677.3	217.0	158.8	153.7	159.6	100.5	84.5
62.5°	9027.2	8817.7	7915.8	2825.8	592.0	199.3	141.0	125.8	141.0	90.4	75.2
65°	8577.0	8262.9	7202.1	2391.7	558.2	189.2	119.9	105.6	107.3	79.4	65.0
67.5°	7790.8	7394.7	6252.1	1943.3	543.9	190.0	101.3	94.6	82.8	67.6	57.4
70°	6547.6	6152.4	5016.5	1598.7	537.1	190.0	86.1	81.1	69.3	56.6	49.8
72.5°	4639.8	4214.2	3384.0	1255.8	483.9	189.2	73.5	73.5	56.6	47.3	40.5
75°	2621.4	2624.8	2127.4	888.4	402.0	156.2	59.1	58.3	41.4	36.3	30.4
77.5°	1527.8	1500.7	1434.0	381.7	186.6	70.9	41.4	35.5	28.7	26.2	22.0
80°	785.4	646.1	629.2	138.5	66.7	44.8	28.7	20.3	18.6	16.9	15.2
82.5°	232.2	233.1	207.8	55.7	37.2	29.6	14.4	11.0	10.1	9.3	9.3
85°	16.0	10.1	11.8	16.9	22.8	11.8	0.8	2.5	2.5	3.4	4.2
87.5°	1.7	0.8	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°	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0
2.5°	3039.5	3076.6	3007.4	3009.1	2951.6	2970.2	2902.6	2924.6	2884.9	2915.3	3004.8
5°	2287.0	2295.4	2239.7	2222.0	2230.4	2265.0	2278.5	2216.9	2243.1	2191.6	2188.2
7.5°	1611.4	1621.5	1589.4	1585.2	1646.0	1631.6	1657.8	1594.5	1534.5	1560.7	1512.6
10°	1251.6	1209.4	1143.5	1124.9	1113.1	1120.7	1120.7	1063.3	1054.8	1032.0	1066.6
12.5°	988.1	936.6	874.1	789.6	768.5	766.8	735.6	684.9	668.9	649.4	678.2
15°	717.8	696.7	644.4	597.1	548.9	539.7	489.0	447.6	392.7	385.1	382.6
17.5°	505.0	473.8	472.9	445.9	418.0	399.5	352.2	304.9	283.8	281.2	281.2
20°	378.3	367.4	349.6	346.3	337.8	316.7	274.5	249.1	239.0	239.8	243.2
22.5°	318.4	310.8	294.7	287.1	283.8	265.2	233.9	217.0	212.0	212.0	212.8
25°	284.6	277.9	260.1	248.3	244.1	230.6	206.1	193.4	189.2	189.2	189.2
27.5°	259.3	250.8	232.2	222.1	214.5	199.3	184.1	171.4	167.2	167.2	168.1
30°	241.5	232.2	215.4	201.8	190.0	176.5	163.8	152.9	147.8	146.9	147.8
32.5°	217.9	209.4	192.6	184.1	170.6	154.5	144.4	134.3	129.2	130.1	129.2
35°	169.8	167.2	155.4	157.9	150.3	136.8	127.5	116.5	110.6	109.8	111.5
37.5°	154.5	144.4	130.9	131.7	129.2	124.1	108.9	97.1	92.9	92.9	93.7
40°	142.7	132.6	117.4	109.8	110.6	110.6	94.6	81.9	77.7	76.9	78.5
42.5°	132.6	122.5	105.6	92.9	89.5	93.7	80.2	67.6	63.3	61.7	63.3
45°	125.8	114.9	95.4	81.1	70.9	76.0	65.9	55.7	50.7	50.7	49.8
47.5°	119.1	108.9	87.8	70.1	59.1	56.6	54.0	44.8	39.7	38.8	39.7
50°	113.2	103.0	79.4	60.8	49.8	43.9	43.9	35.5	32.1	30.4	31.2
52.5°	107.3	96.3	71.8	54.0	43.1	35.5	31.2	28.7	26.2	25.3	26.2
55°	98.8	87.8	64.2	46.4	37.2	29.6	24.5	23.6	22.0	20.3	22.0
57.5°	88.7	78.5	56.6	39.7	29.6	22.8	20.3	19.4	17.7	16.9	16.9
59°	82.8	73.5	52.4	34.6	26.2	20.3	18.6	17.7	16.0	14.4	15.2
60°	79.4	71.8	49.8	32.1	23.6	18.6	16.9	16.0	14.4	13.5	14.4
62.5°	70.1	64.2	43.9	26.2	18.6	13.5	11.8	12.7	11.8	11.0	11.8
65°	61.7	56.6	37.2	20.3	14.4	9.3	8.4	11.0	10.1	9.3	10.1
67.5°	54.9	49.0	31.2	15.2	10.1	5.1	5.9	9.3	9.3	8.4	9.3
70°	47.3	42.2	25.3	11.0	5.1	2.5	4.2	6.8	8.4	7.6	8.4
72.5°	38.8	32.9	19.4	7.6	2.5	0.0	2.5	5.9	8.4	7.6	8.4
75°	30.4	24.5	14.4	4.2	0.0	0.0	0.8	5.1	8.4	7.6	8.4
77.5°	22.0	17.7	8.4	0.8	0.0	0.0	0.8	5.1	8.4	7.6	8.4
80°	14.4	12.7	3.4	0.0	0.0	0.0	0.8	5.1	8.4	8.4	9.3
82.5°	9.3	6.8	0.0	0.0	0.0	0.0	1.7	6.8	9.3	10.1	10.1
85°	4.2	0.0	0.0	0.0	0.0	0.0	3.4	8.4	11.0	11.0	11.0
87.5°	0.0	0.0	0.0	0.0	0.0	1.7	5.9	10.1	12.7	12.7	12.7
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°	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0
2.5°	3020.0	3073.2	3148.4	3264.1	3357.8	3505.6	3618.8	3773.4	3929.6	3976.9	4050.4
5°	2222.8	2291.2	2461.8	2617.2	2715.2	3027.6	3225.3	3536.9	3816.4	3950.7	4096.8
7.5°	1543.8	1624.9	1754.9	1972.0	2178.0	2432.2	2751.5	3107.9	3517.5	3709.2	3915.2
10°	1083.5	1184.9	1368.1	1546.3	1805.6	2047.1	2362.1	2755.7	3207.5	3433.9	3692.3
12.5°	684.1	774.4	1016.8	1217.0	1540.4	1820.8	2111.3	2467.7	2991.3	3223.6	3494.7
15°	391.0	467.0	580.2	836.9	1195.9	1566.6	1928.9	2342.7	2880.7	3167.0	3460.0
17.5°	291.4	311.6	362.3	507.6	834.4	1267.6	1760.8	2304.7	2955.9	3292.0	3626.4
20°	244.9	258.4	282.1	339.5	532.1	976.3	1597.0	2311.5	3199.1	3621.3	3938.9
22.5°	219.6	228.0	247.4	284.6	363.1	711.1	1405.3	2351.2	3493.8	4025.9	4392.4
25°	192.6	203.5	220.4	252.5	302.3	493.2	1216.1	2439.8	3906.8	4539.3	4883.9
27.5°	171.4	181.6	198.5	228.0	265.2	376.7	995.7	2515.9	4342.6	5056.2	5338.3
30°	150.3	160.5	177.4	201.0	234.8	304.9	758.4	2560.6	4765.7	5443.8	5660.9
32.5°	132.6	141.0	157.1	178.2	206.1	258.4	597.9	2514.2	5089.1	5796.0	5941.3
35°	114.9	125.0	138.5	157.9	182.4	220.4	497.4	2353.7	5367.0	6158.3	6210.7
37.5°	96.3	108.1	122.5	140.2	159.6	202.7	399.5	2176.4	5664.3	6610.1	6524.0
40°	81.1	92.1	105.6	125.0	142.7	185.8	307.4	1987.2	5985.2	7034.1	6866.0
42.5°	65.9	77.7	93.7	111.5	141.0	162.1	238.2	1791.2	6273.2	7403.1	7175.1
45°	52.4	62.5	79.4	102.2	140.2	139.3	184.1	1597.8	6490.2	7666.6	7405.7
47.5°	41.4	49.8	66.7	99.7	129.2	118.2	147.8	1477.9	6718.2	7904.0	7582.2
50°	32.9	41.4	57.4	103.9	113.2	101.3	124.1	1497.4	6938.7	8024.7	7654.8
52.5°	27.9	36.3	49.8	81.9	87.0	88.7	108.9	1586.9	7223.3	8153.9	7799.2
55°	24.5	32.1	42.2	57.4	67.6	79.4	99.7	1651.9	7604.1	8430.9	8117.6
57.5°	19.4	27.9	38.0	49.0	55.7	69.3	92.1	1657.0	7948.7	8786.5	8540.7
59°	17.7	25.3	35.5	46.4	49.8	62.5	87.0	1613.9	7961.4	8839.7	8735.0
60°	16.0	24.5	33.8	43.1	47.3	59.1	82.8	1564.1	7846.5	8755.2	8815.2
62.5°	13.5	21.1	29.6	34.6	40.5	49.0	71.8	1383.3	7290.0	8372.7	8666.6
65°	11.8	18.6	25.3	28.7	33.8	42.2	63.3	1107.2	6675.2	7854.1	8240.9
67.5°	11.0	16.9	22.0	24.5	29.6	38.8	56.6	782.0	5878.8	7196.2	7601.6
70°	10.1	16.0	19.4	22.8	26.2	32.9	48.1	456.0	4528.4	6042.6	6470.8
72.5°	10.1	15.2	16.9	19.4	22.8	29.6	44.8	246.6	3096.0	4609.4	5162.6
75°	10.1	14.4	15.2	16.9	20.3	27.0	39.7	129.2	2001.5	3202.5	3952.4
77.5°	10.1	13.5	15.2	16.0	19.4	23.6	34.6	81.1	1333.5	2243.1	2671.2
80°	11.0	13.5	14.4	16.0	18.6	22.0	28.7	54.0	783.7	1349.6	1625.7
82.5°	11.8	13.5	15.2	16.9	19.4	21.1	25.3	33.8	361.5	892.7	1010.1
85°	12.7	14.4	16.0	17.7	20.3	21.1	23.6	24.5	59.1	402.8	544.7
87.5°	13.5	15.2	16.9	18.6	22.0	22.0	22.0	22.0	20.3	43.1	109.8
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°	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0	3672.0
2.5°	4143.3	4238.7	4305.4	4322.3	4274.2	4252.2	4191.4	4096.8	4039.4	4036.9
5°	4366.2	4590.0	4745.4	4771.6	4678.7	4521.6	4335.0	4094.3	3953.2	3911.0
7.5°	4328.2	4720.1	4970.1	5006.4	4850.1	4550.3	4188.9	3801.2	3647.5	3582.5
10°	4172.0	4650.0	5007.2	5064.6	4856.0	4433.8	3974.4	3542.0	3351.1	3301.3
12.5°	4038.5	4521.6	4839.2	4918.5	4760.6	4339.2	3846.0	3375.6	3171.2	3124.8
15°	3980.3	4369.6	4563.8	4604.4	4578.2	4280.1	3832.5	3350.2	3116.3	3065.6
17.5°	4038.5	4240.4	4264.9	4306.3	4364.5	4274.2	3962.5	3487.9	3235.4	3172.9
20°	4191.4	4128.1	4026.7	4044.5	4177.9	4298.7	4193.9	3792.8	3485.4	3418.7
22.5°	4451.5	4100.2	3870.5	3855.3	4024.2	4380.6	4533.4	4205.8	3849.4	3783.5
25°	4770.7	4170.3	3813.1	3780.1	3964.2	4500.5	4902.5	4711.6	4322.3	4221.8
27.5°	5118.7	4315.5	3813.1	3781.0	3959.2	4606.9	5218.3	5159.2	4812.1	4702.3
30°	5309.6	4435.5	3867.9	3831.6	4021.6	4668.6	5387.3	5557.0	5180.3	5044.4
32.5°	5480.2	4601.8	3975.2	3906.8	4152.6	4759.8	5538.4	5894.8	5473.4	5382.2
35°	5637.2	4780.0	4123.0	4043.6	4324.8	4884.8	5705.6	6249.5	5881.3	5743.6
37.5°	5810.4	4986.9	4353.5	4286.0	4612.8	5128.0	5904.1	6715.7	6282.5	6109.3
40°	5998.7	5226.8	4732.7	4704.0	5070.6	5403.3	6154.9	7213.1	6740.2	6543.4
42.5°	6190.4	5503.0	5197.2	5244.5	5589.1	5789.2	6412.5	7595.7	7115.2	6898.1
45°	6364.4	5856.0	5801.1	6035.0	6193.8	6165.9	6603.4	7865.1	7442.0	7234.2
47.5°	6584.0	6370.3	6531.6	6892.2	6896.4	6575.5	6747.8	8085.5	7723.2	7515.5
50°	6829.7	6977.5	7474.9	7842.3	7743.5	6978.3	6916.7	8346.5	8013.7	7847.4
52.5°	7114.3	7657.3	8346.5	8754.4	8523.8	7417.5	7197.9	8628.6	8474.9	8315.2
55°	7445.4	8121.0	9215.5	9540.6	9308.4	7963.1	7625.3	9011.1	8995.9	8887.0
57.5°	7819.5	8610.8	9718.8	10158.8	9951.9	8603.2	8222.3	9371.7	9314.3	9253.5
59°	8115.1	8862.5	9941.0	10397.0	10272.0	9051.7	8623.5	9596.4	9387.8	9296.6
60°	8294.1	9033.1	10022.9	10429.1	10400.4	9318.5	8877.7	9706.2	9386.9	9260.3
62.5°	8825.3	9331.2	9991.6	10286.4	10398.7	9830.3	9623.4	9826.9	9213.0	9027.2
65°	9014.5	9232.4	9473.9	9437.6	9533.9	9804.1	10099.7	9694.4	8841.4	8577.0
67.5°	8646.3	8148.9	8234.2	7991.8	7944.5	8716.4	9906.3	9045.8	8114.2	7790.8
70°	7288.3	6242.8	6199.7	6311.2	6005.4	7056.9	8895.4	7796.7	6914.2	6547.6
72.5°	5736.9	4411.8	4048.7	4459.1	4449.8	5383.9	7389.6	5532.5	4671.1	4639.8
75°	4511.5	3071.6	2695.7	2762.5	2890.8	3897.5	5885.5	3513.2	2876.5	2621.4
77.5°	3028.5	2176.4	2030.2	1948.3	2086.8	2502.3	3723.5	1905.3	1613.1	1527.8
80°	1745.6	1581.0	1795.5	1629.9	1704.3	1576.7	1852.1	874.1	725.5	785.4
82.5°	1135.9	900.3	959.4	712.8	974.6	983.0	594.5	258.4	218.7	232.2
85°	710.2	422.3	237.3	168.9	336.1	618.2	185.8	16.0	18.6	16.0
87.5°	184.1	70.1	29.6	43.9	54.0	48.1	43.1	2.5	0.8	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)