

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: P324120

Luminaire Tested: **GAN-SA6B-730-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324120
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-SA6B-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA 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: 23076 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

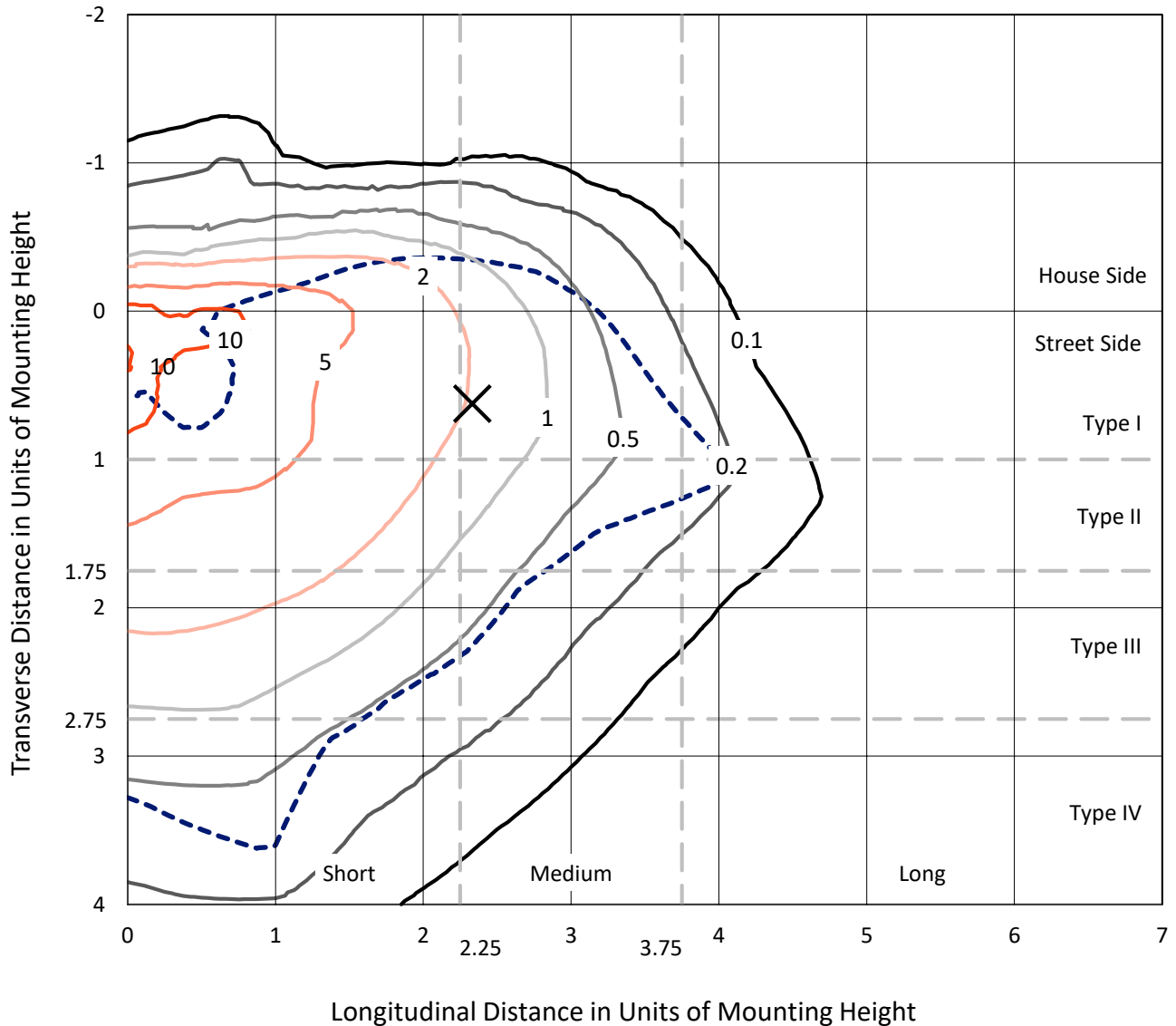
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

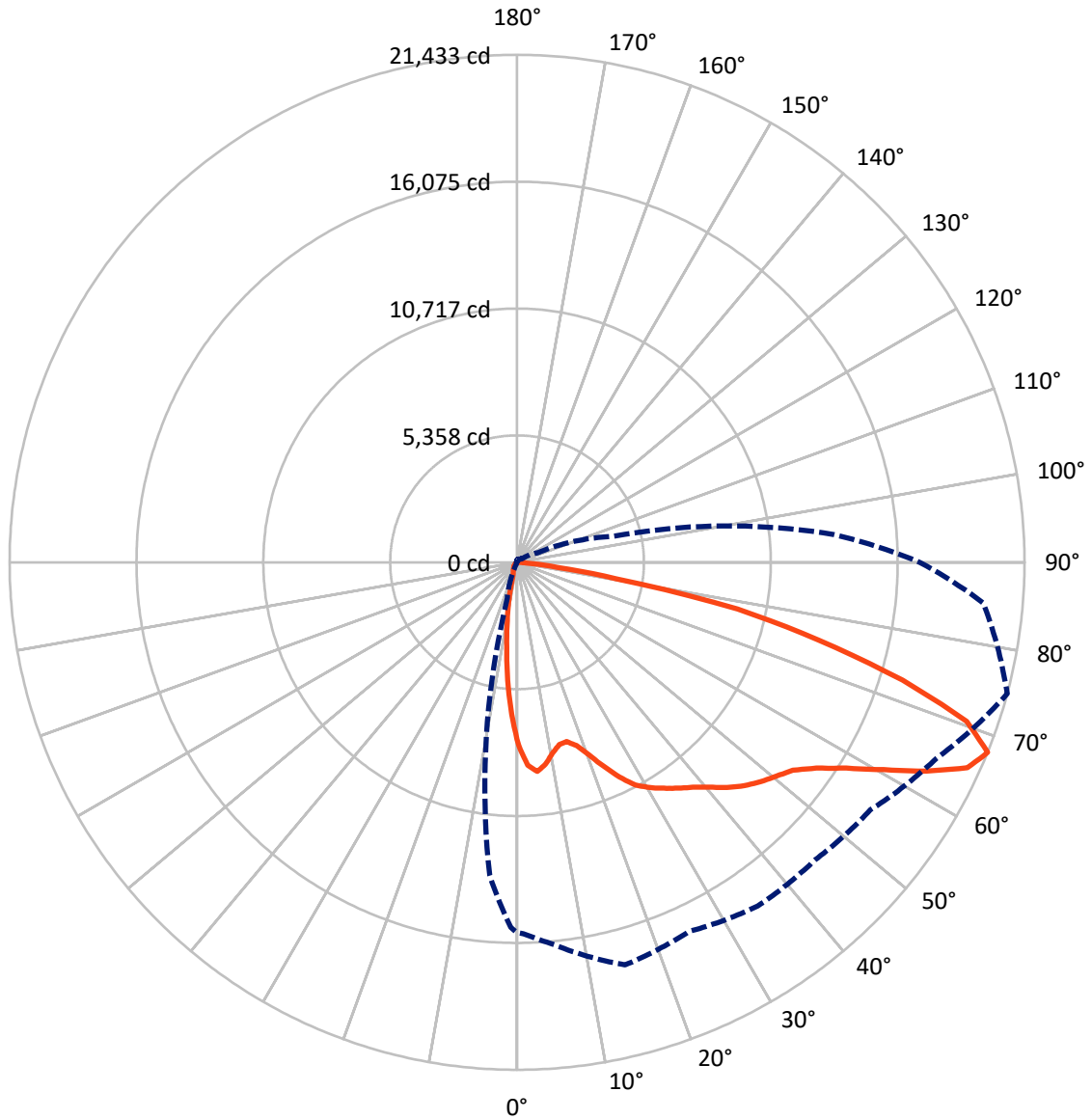
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.1 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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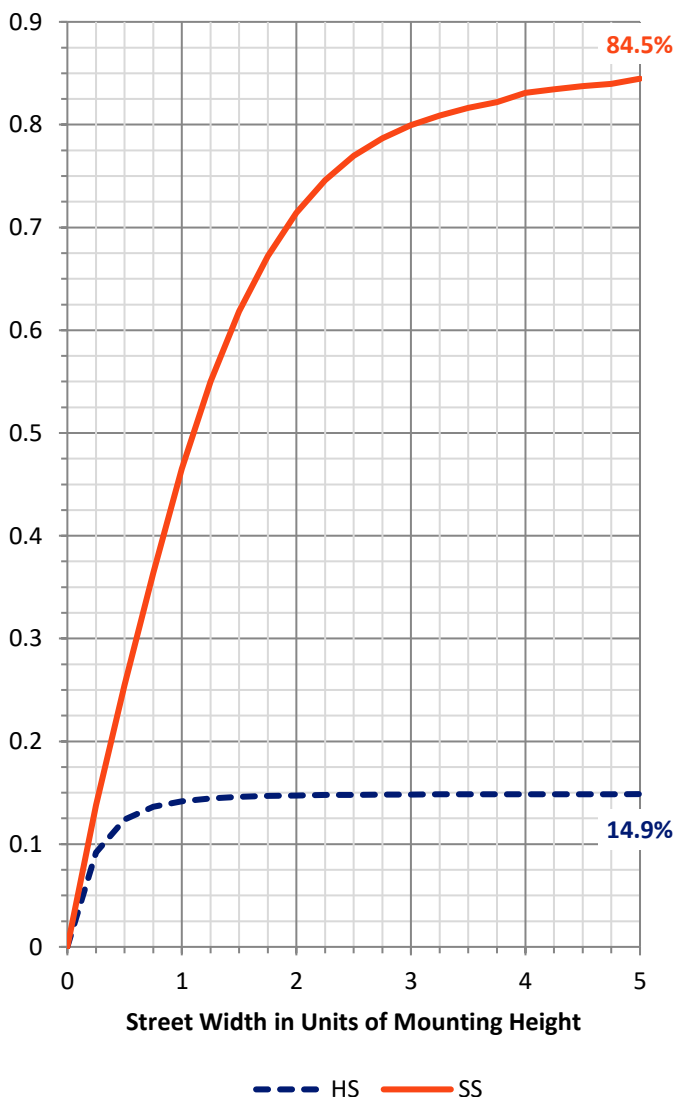
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3462.8	0.0	3462.8
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	19613.2	0.0	19613.2
	% Fixture	85.0	0.0	85.0
Total	Lumens	23076.0	0.0	23076.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	587.2	2.5
10°-20°	1156.3	5.0
20°-30°	1635.8	7.1
30°-40°	2405.1	10.4
40°-50°	3456.9	15.0
50°-60°	4866.4	21.1
60°-70°	5683.5	24.6
70°-80°	2899.6	12.6
80°-90°	385.2	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°	23076.0	100.0
0°-180°	23076.0	100.0

Coefficient of Utilization

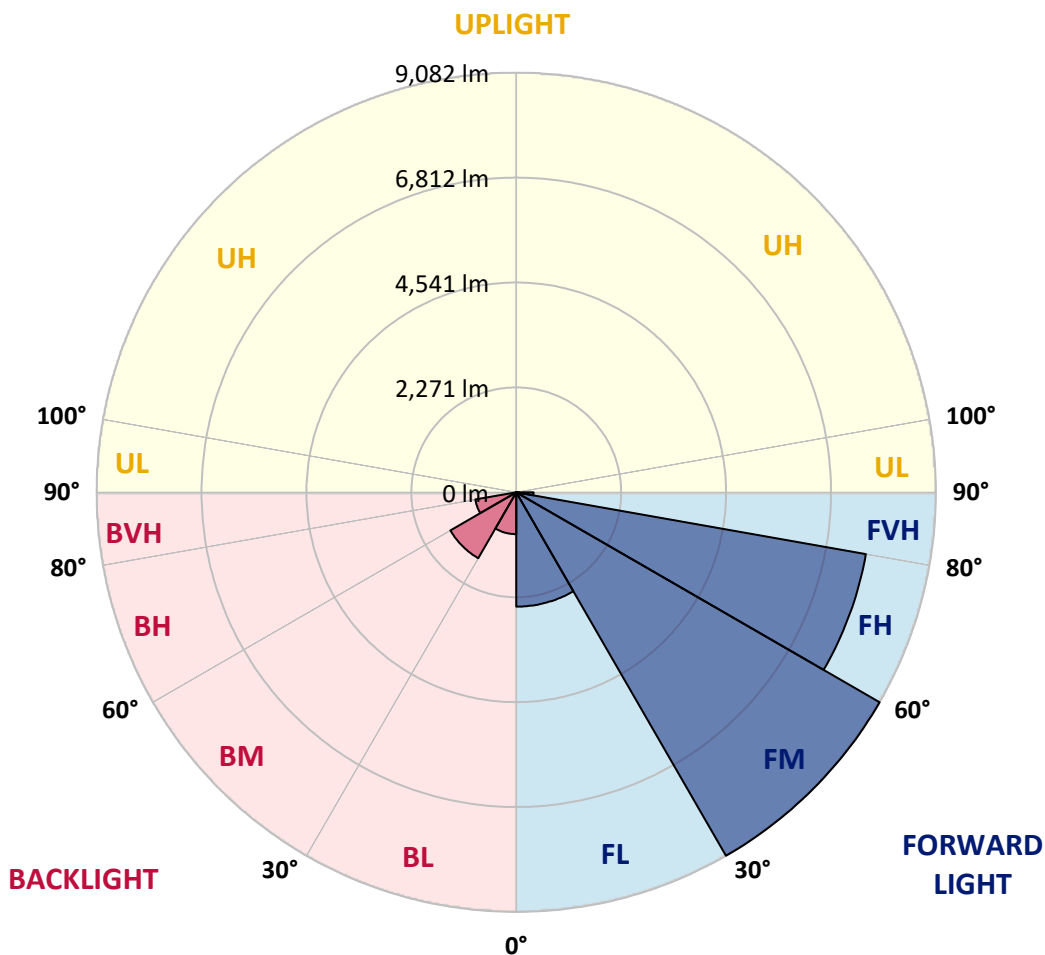


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2473.7	10.7			
FM (30°-60°)	9082.3	39.4			
FH (60°-80°)	7683.6	33.3			G4/12000
FVH (80°-90°)	373.5	1.6			G3/500
BL (0°-30°)	905.6	3.9	B2/1000		
BM (30°-60°)	1646.1	7.1	B2/2500		
BH (60°-80°)	899.4	3.9	B2/1000		G2/1000
BVH (80°-90°)	11.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6
2.5°	8392.0	8405.1	8472.9	8630.3	8801.9	8815.1	8930.9	8811.8	8771.3	8578.9	8380.0
5°	8455.4	8505.7	8738.5	9200.9	9602.1	9731.1	9822.9	9589.0	9343.1	8873.0	8371.3
7.5°	7944.9	8029.1	8395.3	9263.3	9980.3	10297.4	10357.5	9991.3	9389.0	8615.0	7860.8
10°	7291.2	7387.4	7829.1	8896.0	9880.9	10424.2	10507.2	10027.4	9161.6	8197.4	7308.7
12.5°	6762.2	6874.7	7326.2	8482.8	9538.7	10139.9	10303.9	9906.0	8964.8	7901.2	6931.6
15°	6518.4	6647.4	7121.8	8216.0	9159.4	9632.7	9768.3	9596.7	8855.5	7854.2	6844.1
17.5°	6658.3	6798.2	7288.0	8239.0	8803.0	9005.3	9114.6	9184.5	8855.5	8137.3	7099.9
20°	7232.2	7383.1	7901.2	8471.8	8507.9	8432.5	8549.4	8795.4	8958.3	8675.1	7714.3
22.5°	8025.8	8202.9	8787.7	8870.8	8363.6	8078.3	8093.6	8479.5	9145.2	9357.3	8566.9
25°	8993.2	9209.7	9804.4	9465.5	8423.7	7867.3	7861.8	8219.3	9327.7	10040.5	9516.9
27.5°	9954.1	10192.4	10714.9	10191.3	8671.9	7829.1	7818.1	8140.6	9505.9	10648.3	10554.2
30°	10759.8	10991.5	11441.9	10717.1	8939.7	7918.7	7866.2	8224.8	9612.0	11042.9	11310.7
32.5°	11415.6	11601.5	11965.5	11079.0	9226.1	8092.5	7978.8	8450.0	9792.3	11376.3	12005.9
35°	12137.1	12332.8	12478.2	11423.3	9547.5	8342.8	8180.0	8807.4	10070.0	11715.2	12767.9
37.5°	12960.2	13154.8	13137.3	11738.1	9955.2	8757.1	8653.3	9373.7	10501.8	12050.8	13618.3
40°	13765.9	13964.8	13822.7	12082.5	10434.0	9440.3	9363.8	10224.1	11080.0	12480.4	14615.3
42.5°	14520.2	14735.5	14431.6	12408.2	11004.6	10301.7	10432.9	11319.4	11803.7	13009.4	15474.5
45°	15127.9	15347.7	14942.1	12725.2	11605.8	11346.8	11741.4	12532.8	12673.8	13456.5	16054.9
47.5°	15569.6	15777.3	15296.3	13042.2	12375.4	12624.7	13312.2	13805.2	13459.8	13844.6	16467.0
50°	15851.6	16013.4	15400.1	13439.0	13385.5	14115.7	14948.7	15189.2	14199.9	14194.4	16967.7
52.5°	16030.9	16104.1	15476.6	13853.3	14439.3	15739.0	16551.2	16626.6	14961.8	14579.2	17642.2
55°	16648.5	16707.5	16018.8	14355.1	15310.5	17161.2	18000.7	17930.7	15824.3	15332.4	18438.0
57.5°	17702.3	17764.6	17139.3	15076.6	16015.6	18040.1	19051.2	19176.9	16835.4	16390.5	19290.6
60°	18231.4	18347.2	18124.2	15990.4	16698.8	18601.9	19767.2	20168.4	18099.1	17785.4	20117.0
62.5°	17751.5	17919.8	18243.4	17003.8	17377.6	18911.3	19990.2	20523.7	19393.4	19410.9	20626.4
65°	16793.9	16928.3	17477.1	17559.1	17771.1	18873.0	19439.3	20027.4	20185.9	20904.1	20599.1
67.5°	15637.3	15687.6	16153.3	17602.8	17200.5	17723.0	17784.3	18219.3	19559.5	21433.2	19771.6
70°	13972.5	13999.8	14406.5	16139.1	14781.4	14896.2	14805.5	14894.0	16815.7	20144.3	17682.6
72.5°	11245.1	11314.0	11892.2	13403.0	10768.5	10437.3	11150.0	11110.7	12950.4	17019.1	13133.0
75°	8279.4	8398.6	9272.0	10795.8	7558.0	6836.5	7356.8	7495.6	9206.4	13164.7	8212.7
77.5°	5796.9	5885.5	6731.5	7936.2	5470.1	4888.5	4700.5	4865.6	6076.8	9523.4	4137.5
80°	3339.5	3372.3	3912.3	4582.4	3686.1	4217.3	3820.5	3934.2	3641.2	4237.0	1779.6
82.5°	2185.2	2190.6	2401.6	2727.4	2295.6	2667.3	1974.2	2524.1	2239.8	1702.0	579.4
85°	1180.6	1187.1	1392.7	1935.9	1299.7	734.6	431.8	886.5	1385.0	390.3	158.5
87.5°	130.1	119.2	419.8	704.0	360.7	66.7	23.0	99.5	221.9	25.1	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°	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6
2.5°	8278.3	8187.6	7961.3	7721.9	7529.5	7349.2	7167.7	6945.8	6774.2	6739.2	6682.4
5°	8101.2	7813.8	7339.3	6862.7	6479.0	5994.8	5687.6	5448.2	5214.3	5200.1	5153.1
7.5°	7482.5	7104.3	6436.4	5777.2	5237.2	4775.9	4310.2	3998.7	3753.8	3667.5	3616.1
10°	6887.9	6462.6	5628.6	4876.5	4394.4	3986.7	3658.7	3333.0	3037.8	2834.5	2742.7
12.5°	6472.5	6002.4	5083.1	4434.9	4089.4	3702.5	3302.4	2895.7	2555.8	2310.9	2161.1
15°	6311.8	5810.0	4900.5	4260.0	3833.6	3343.9	2832.3	2367.7	1990.6	1768.7	1634.2
17.5°	6503.1	5919.3	4886.3	4046.8	3451.0	2842.2	2277.0	1728.3	1373.0	1204.6	1118.3
20°	6988.4	6267.0	4880.9	3785.5	2996.3	2247.5	1542.4	1136.9	921.5	827.5	787.1
22.5°	7674.9	6710.8	4924.6	3527.6	2523.0	1605.8	1064.7	835.2	724.8	674.5	651.5
25°	8558.2	7333.9	5048.1	3293.6	2078.1	1198.1	829.7	699.6	622.0	582.6	566.2
27.5°	9499.4	8051.0	5240.5	3090.3	1716.2	955.4	710.5	599.0	543.3	516.0	500.7
30°	10275.5	8881.7	5435.1	2864.0	1453.9	833.0	650.4	546.6	482.1	464.6	450.4
32.5°	10954.3	9510.3	5572.8	2659.6	1282.3	740.1	588.1	488.6	444.9	411.0	395.7
35°	11657.2	10033.9	5568.4	2516.4	1164.2	670.1	535.6	437.3	384.8	345.4	333.4
37.5°	12418.0	10625.3	5473.3	2394.0	1112.8	614.3	506.1	409.9	357.5	318.1	302.8
40°	13309.0	11246.2	5376.1	2279.2	1098.6	569.5	485.4	388.1	332.3	294.1	278.8
42.5°	14176.9	11805.9	5290.8	2193.9	1037.4	568.4	466.8	371.7	312.6	275.5	258.0
45°	14871.0	12327.3	5274.4	2142.6	972.9	588.1	456.9	360.7	297.3	260.2	243.8
47.5°	15448.2	12893.6	5379.3	2106.5	911.7	536.7	481.0	353.1	283.1	247.0	228.5
50°	16134.7	13588.8	5626.4	2047.4	847.2	483.2	550.9	355.3	271.1	233.9	214.3
52.5°	17092.3	14550.8	5989.3	1948.0	758.6	434.0	542.2	357.5	258.0	219.7	200.0
55°	18165.8	15752.1	6379.6	1782.9	635.1	369.5	464.6	342.2	232.8	204.4	185.8
57.5°	19293.9	16842.0	6611.3	1586.1	505.0	319.2	371.7	311.5	205.5	183.6	171.6
60°	19471.0	17256.3	6505.3	1344.6	401.2	277.7	275.5	317.0	183.6	161.8	153.0
62.5°	19030.4	16735.9	5992.6	1129.2	335.6	243.8	226.3	276.6	166.2	144.3	135.5
65°	18183.3	15329.1	5161.8	1017.7	311.5	208.8	188.0	194.6	145.4	125.7	118.1
67.5°	17004.9	13451.1	4238.1	954.3	308.3	179.3	160.7	147.6	125.7	109.3	102.8
70°	14595.6	11205.8	3381.1	919.3	299.5	150.9	135.5	120.2	104.9	92.9	87.5
72.5°	10742.3	7940.6	2630.1	881.1	301.7	120.2	118.1	99.5	84.2	72.1	70.0
75°	6206.8	4536.5	1725.0	713.8	287.5	92.9	98.4	70.0	59.0	50.3	50.3
77.5°	3307.8	2766.7	657.0	297.3	104.9	59.0	55.8	41.5	37.2	30.6	29.5
80°	1441.8	1217.8	197.9	83.1	57.9	31.7	20.8	18.6	16.4	13.1	12.0
82.5°	510.5	440.5	64.5	40.4	25.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	115.9	83.1	0.0	9.8	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°	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6
2.5°	6566.5	6542.4	6400.3	6405.8	6430.9	6467.0	6381.7	6421.1	6527.1	6628.8	6667.0
5°	5077.6	5083.1	4996.7	5050.3	5098.4	5131.2	4993.5	4995.6	5079.8	5194.6	5254.7
7.5°	3577.8	3569.1	3573.5	3701.4	3792.1	3726.5	3777.9	3599.7	3610.6	3692.6	3631.4
10°	2659.6	2539.4	2471.6	2567.8	2667.3	2631.2	2542.6	2484.7	2525.1	2615.9	2609.3
12.5°	2090.1	1917.4	1815.7	1746.8	1828.8	1761.0	1758.9	1708.6	1653.9	1663.8	1809.1
15°	1571.9	1446.2	1326.0	1215.6	1213.4	1190.4	1073.5	942.3	931.4	937.9	1013.3
17.5°	1081.1	1038.5	989.3	894.2	869.0	772.8	659.2	606.7	580.5	592.5	617.6
20°	759.7	743.3	748.8	697.4	661.3	569.5	502.8	482.1	477.7	489.7	501.8
22.5°	629.6	600.1	596.9	573.9	537.8	471.1	435.1	423.0	417.6	428.5	437.3
25°	550.9	521.4	509.4	495.2	456.9	411.0	389.2	378.2	372.8	379.3	384.8
27.5°	485.4	458.0	447.1	437.3	400.1	367.3	349.8	340.0	335.6	337.8	343.2
30°	436.2	412.1	397.9	385.9	354.2	331.2	315.9	306.1	301.7	301.7	307.2
32.5°	384.8	371.7	358.5	343.2	313.7	298.4	283.1	272.2	267.8	268.9	273.3
35°	320.3	315.9	319.2	305.0	279.8	266.7	251.4	239.4	236.1	237.2	241.6
37.5°	284.2	264.5	276.6	268.9	254.7	237.2	217.5	206.6	201.1	204.4	206.6
40°	261.3	237.2	228.5	236.1	233.9	205.5	188.0	177.1	172.7	173.8	176.0
42.5°	241.6	213.2	193.5	192.4	205.5	179.3	160.7	150.9	145.4	145.4	147.6
45°	223.0	192.4	168.3	149.8	172.7	151.9	134.5	125.7	119.2	119.2	120.2
47.5°	208.8	174.9	146.5	122.4	130.1	124.6	110.4	101.7	95.1	95.1	96.2
50°	195.7	157.4	126.8	102.8	97.3	102.8	89.6	79.8	75.4	74.3	76.5
52.5°	181.5	139.9	108.2	87.5	76.5	77.6	70.0	63.4	57.9	57.9	60.1
55°	167.3	125.7	94.0	74.3	63.4	57.9	55.8	51.4	47.0	47.0	49.2
57.5°	153.0	110.4	79.8	61.2	50.3	45.9	45.9	42.6	39.4	39.4	41.5
60°	139.9	95.1	65.6	50.3	39.4	38.3	39.4	36.1	33.9	33.9	36.1
62.5°	124.6	80.9	53.6	41.5	31.7	30.6	33.9	31.7	29.5	29.5	31.7
65°	106.0	68.9	42.6	31.7	24.0	24.0	28.4	26.2	24.0	24.0	26.2
67.5°	89.6	57.9	32.8	23.0	17.5	18.6	24.0	21.9	20.8	20.8	23.0
70°	74.3	44.8	23.0	14.2	9.8	14.2	18.6	18.6	18.6	18.6	20.8
72.5°	55.8	30.6	13.1	5.5	4.4	9.8	15.3	17.5	16.4	16.4	19.7
75°	36.1	17.5	4.4	0.0	0.0	5.5	12.0	14.2	14.2	13.1	16.4
77.5°	20.8	5.5	0.0	0.0	0.0	0.0	7.7	6.6	5.5	4.4	7.7
80°	5.5	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°	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6	7741.6
2.5°	6821.2	6950.2	7131.6	7324.0	7620.3	7855.3	8085.9	8283.8	8360.3	8392.0
5°	5399.0	5588.1	5853.8	6194.8	6729.4	7210.3	7697.9	8188.7	8401.9	8455.4
7.5°	3874.1	4115.7	4453.4	4880.9	5507.2	6130.3	6811.3	7531.7	7861.8	7944.9
10°	2867.3	3162.4	3549.4	3999.8	4597.7	5238.3	5980.6	6803.7	7180.8	7291.2
12.5°	2034.3	2433.3	2951.5	3499.1	4017.3	4589.0	5340.0	6247.3	6643.0	6762.2
15°	1194.8	1580.7	2193.9	2927.4	3591.0	4170.3	4933.3	5962.0	6398.1	6518.4
17.5°	685.4	877.8	1341.3	2158.9	3059.7	3862.1	4805.4	6033.0	6546.8	6658.3
20°	523.6	584.8	772.8	1390.5	2438.8	3559.3	4805.4	6435.3	7068.2	7232.2
22.5°	458.0	502.8	579.4	829.7	1794.9	3234.6	4861.2	7016.9	7844.4	8025.8
25°	406.6	447.1	512.7	624.2	1224.3	2848.7	4993.5	7730.7	8758.2	8993.2
27.5°	364.0	402.3	461.3	546.6	837.3	2383.0	5171.6	8568.0	9766.1	9954.1
30°	325.8	361.8	415.4	475.5	646.0	1855.1	5323.6	9357.3	10557.5	10759.8
32.5°	289.7	322.5	370.6	415.4	529.1	1371.9	5340.0	9982.5	11214.5	11415.6
35°	255.8	285.3	329.0	364.0	438.3	1083.3	5085.3	10524.7	11871.5	12137.1
37.5°	223.0	251.4	289.7	315.9	385.9	883.3	4696.1	11129.2	12714.3	12960.2
40°	192.4	217.5	256.9	274.4	365.1	678.8	4273.1	11763.3	13540.7	13765.9
42.5°	164.0	188.0	226.3	260.2	320.3	507.2	3816.1	12357.9	14284.0	14520.2
45°	136.6	161.8	200.0	275.5	265.6	379.3	3327.5	12752.5	14871.0	15127.9
47.5°	110.4	138.8	191.3	262.4	212.1	278.8	2940.5	13126.4	15316.0	15569.6
50°	88.5	117.0	215.3	233.9	173.8	213.2	2778.8	13460.9	15607.8	15851.6
52.5°	72.1	98.4	203.3	179.3	145.4	176.0	2866.2	14003.1	15877.8	16030.9
55°	60.1	77.6	122.4	124.6	123.5	149.8	2974.4	14781.4	16576.3	16648.5
57.5°	52.5	62.3	85.3	96.2	103.8	133.4	2976.6	15898.6	17657.5	17702.3
60°	44.8	54.7	71.1	77.6	89.6	119.2	2868.4	16288.8	18082.7	18231.4
62.5°	39.4	48.1	59.0	64.5	75.4	107.1	2614.8	15723.7	17499.0	17751.5
65°	35.0	43.7	49.2	54.7	66.7	96.2	2197.2	14593.4	16530.4	16793.9
67.5°	30.6	38.3	43.7	49.2	60.1	85.3	1617.8	13280.5	15418.7	15637.3
70°	27.3	33.9	39.4	43.7	52.5	72.1	981.6	11269.2	13881.8	13972.5
72.5°	26.2	30.6	36.1	39.4	45.9	63.4	497.4	8281.6	11097.5	11245.1
75°	23.0	27.3	32.8	35.0	40.4	54.7	202.2	5439.5	8042.2	8279.4
77.5°	18.6	25.1	29.5	31.7	35.0	44.8	102.8	3476.2	5643.9	5796.9
80°	6.6	18.6	25.1	26.2	29.5	32.8	67.8	1903.2	3273.9	3339.5
82.5°	0.0	12.0	19.7	18.6	20.8	25.1	43.7	905.1	2161.1	2185.2
85°	0.0	5.5	15.3	12.0	8.7	17.5	15.3	197.9	1133.6	1180.6
87.5°	0.0	0.0	1.1	5.5	4.4	6.6	2.2	1.1	102.8	130.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)