

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: P533074

Luminaire Tested: **GLAN-SA8C-727-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-727-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

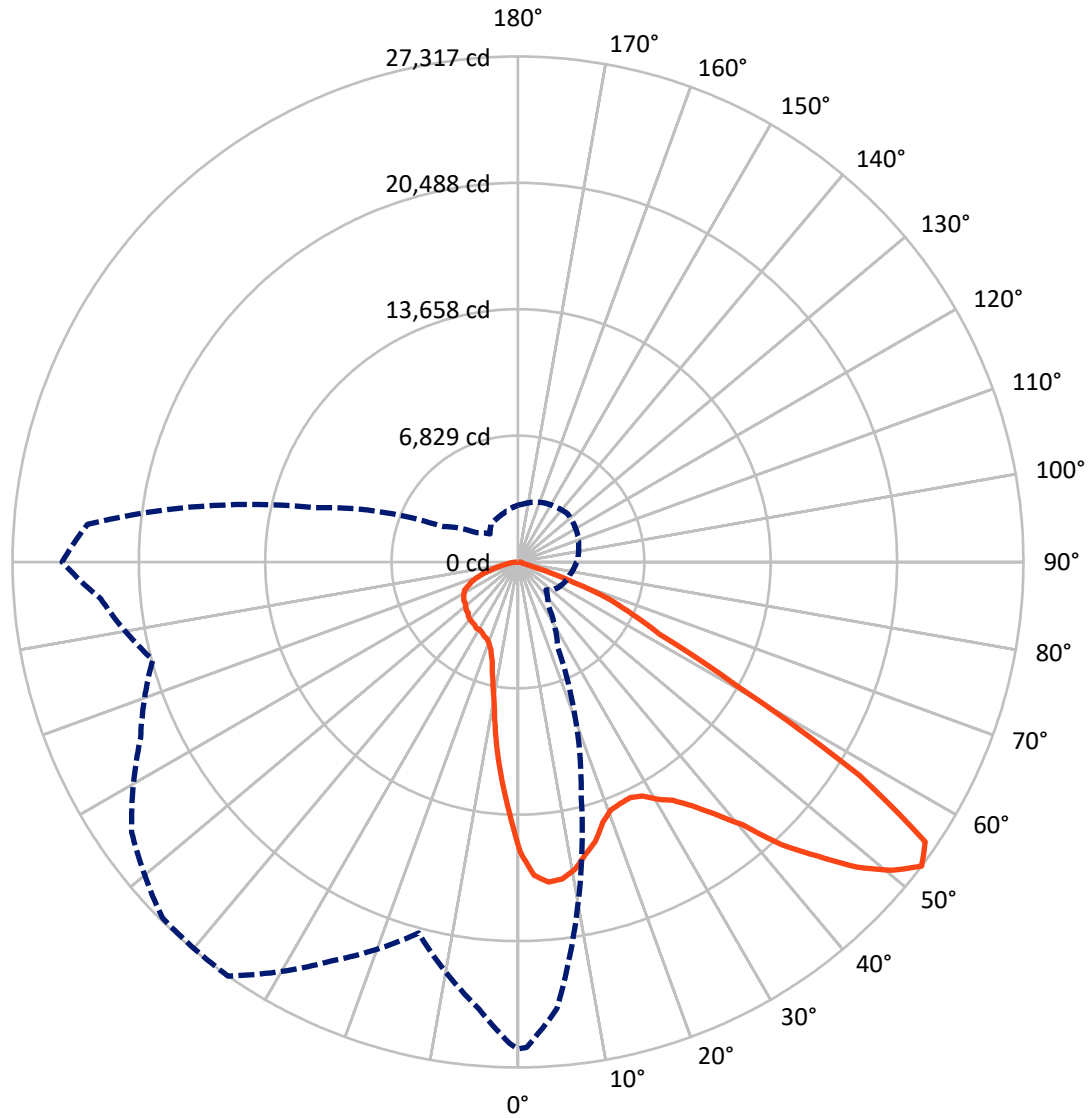
Lumens per Lamp: N/A
Luminaire Lumens: 35360 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 429
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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Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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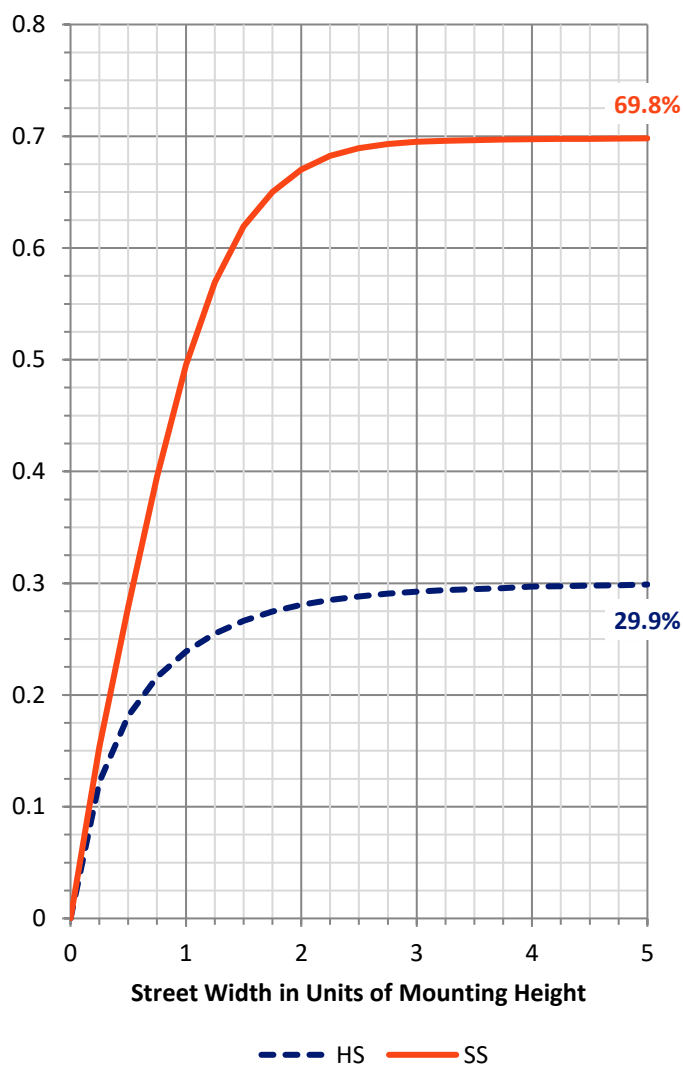
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10659.6	0.0	10659.6
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	24700.5	0.0	24700.5
	% Fixture	69.9	0.0	69.9
Total	Lumens	35360.0	0.0	35360.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1197.2	3.4
10°-20°	2595.4	7.3
20°-30°	3921.5	11.1
30°-40°	5666.7	16.0
40°-50°	7541.4	21.3
50°-60°	8435.2	23.9
60°-70°	4754.0	13.4
70°-80°	1059.7	3.0
80°-90°	188.7	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°	35360.0	100.0
0°-180°	35360.0	100.0

Coefficient of Utilization



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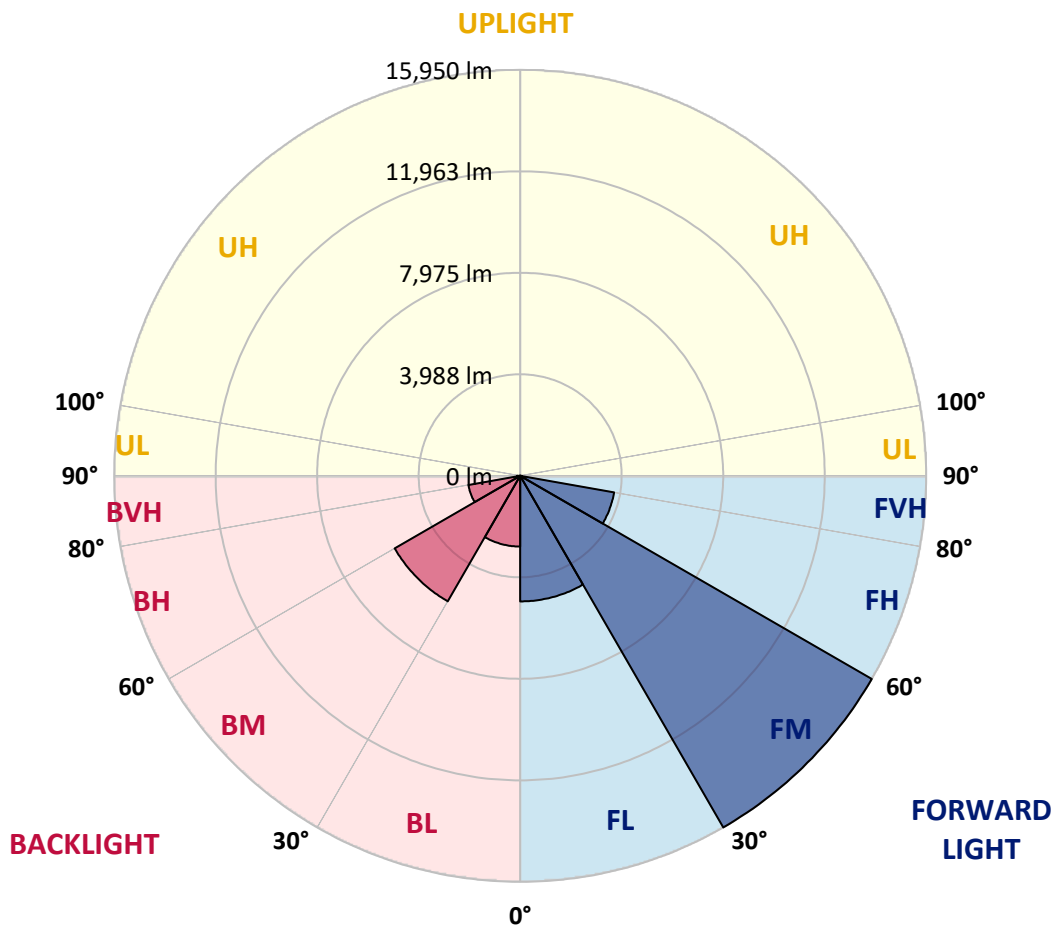
CATALOG NUMBER: GLAN-SA8C-727-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4934.4	14.0			
FM (30°-60°)	15950.1	45.1			
FH (60°-80°)	3747.6	10.6			G2/5000
FVH (80°-90°)	68.3	0.2			G1/100
BL (0°-30°)	2779.8	7.9	B4/5000		
BM (30°-60°)	5693.3	16.1	B4/8500		
BH (60°-80°)	2066.2	5.8	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0
2.5°	15954.4	16210.6	15933.9	15441.9	15093.4	14775.6	14442.5	14375.8	13940.2	13863.3	13545.6
5°	15047.2	14990.8	14652.6	14006.8	13294.4	12648.7	12172.1	11710.8	11398.2	11034.3	11008.7
7.5°	13945.3	13617.3	13422.6	12443.7	11562.2	10547.4	10111.8	9409.6	9189.3	8861.3	8692.1
10°	12961.3	12720.4	12264.3	11285.4	10055.4	9384.0	8917.6	8538.4	8282.1	7943.9	7518.5
12.5°	12474.4	12377.1	11864.6	10347.5	9435.3	8717.8	8389.8	8020.7	7585.1	7041.9	6831.7
15°	12561.6	12233.6	11844.1	10168.2	8907.4	8215.5	7692.7	7231.5	6672.9	6155.2	5852.8
17.5°	13212.4	12961.3	12182.3	10280.9	8707.5	7708.1	6760.0	6078.3	5576.1	5109.7	4899.6
20°	14493.7	14129.8	13253.4	10424.4	8277.0	7000.9	5914.3	5073.8	4535.7	4289.7	4217.9
22.5°	15913.4	15698.1	14299.0	10747.3	7933.6	6344.8	5017.5	4176.9	3977.1	3910.4	4043.7
25°	17640.5	17081.9	15923.6	11275.2	7667.1	5786.2	4258.9	3792.6	3690.1	3756.7	3910.4
27.5°	18952.5	18803.9	17061.4	11772.3	7303.2	5114.8	3833.6	3526.1	3556.8	3623.4	3766.9
30°	20510.6	19757.2	18163.3	12115.7	6975.2	4653.6	3536.3	3454.3	3485.1	3597.8	3669.6
32.5°	21448.4	21166.6	18855.2	12633.3	6596.0	4253.8	3305.7	3228.8	3274.9	3444.1	3613.2
35°	22642.6	22084.0	19711.0	12766.6	6329.5	4094.9	3141.7	3085.3	3192.9	3310.8	3500.4
37.5°	24036.6	23652.2	20894.9	12674.3	6186.0	3930.9	3003.3	2977.7	3054.5	3218.5	3438.9
40°	24861.7	24743.9	21515.1	12730.7	5960.5	3787.4	2844.4	2875.2	3034.0	3162.2	3377.4
42.5°	25656.1	24887.4	22432.5	12710.2	5817.0	3592.7	2859.8	2823.9	2946.9	3095.5	3300.5
45°	25830.4	25066.8	22647.7	12566.7	5642.7	3403.1	2741.9	2757.3	2905.9	3090.4	3223.7
47.5°	25717.6	25153.9	23047.5	12525.7	5478.7	3269.8	2567.7	2752.2	2839.3	2987.9	3177.5
50°	25640.8	25610.0	23385.7	12720.4	5258.3	3059.7	2357.5	2685.5	2772.7	2921.3	3126.3
52.5°	26317.3	26250.6	24231.4	13232.9	5084.1	2834.2	2142.3	2516.4	2726.5	2870.0	3069.9
55°	26727.3	26435.1	25681.8	13863.3	4791.9	2536.9	1993.7	2306.3	2613.8	2741.9	2946.9
57.5°	24041.7	23841.9	23232.0	12940.8	4299.9	2147.4	1809.2	2091.0	2460.0	2659.9	2870.0
60°	20003.2	19690.5	18127.4	10998.4	3172.4	1670.8	1696.4	1921.9	2419.0	2495.9	2741.9
62.5°	18860.3	18086.4	15959.5	8851.0	2434.4	1435.0	1522.1	1768.2	2203.8	2331.9	2577.9
65°	14965.2	14391.2	11418.7	6391.0	1629.8	1245.4	1388.9	1593.9	1901.4	2152.5	2378.0
67.5°	9368.6	8820.3	6093.7	3023.8	1137.8	1066.0	1240.3	1455.5	1706.7	1932.2	2183.3
70°	4894.4	4294.8	2813.7	1091.6	784.1	871.3	1035.3	1240.3	1486.3	1670.8	1865.5
72.5°	1824.5	1481.1	917.4	471.5	543.3	666.3	840.5	989.1	1163.4	1388.9	1496.5
75°	281.9	240.9	235.8	287.0	369.0	481.8	599.6	748.3	902.0	1045.5	1117.3
77.5°	133.3	128.1	143.5	189.6	246.0	343.4	435.6	579.1	702.1	794.4	835.4
80°	87.1	82.0	92.3	128.1	184.5	256.3	348.5	445.9	558.6	635.5	625.3
82.5°	51.3	56.4	56.4	87.1	128.1	184.5	251.1	338.3	415.1	481.8	440.8
85°	30.8	25.6	25.6	51.3	87.1	148.6	210.1	143.5	148.6	148.6	169.1
87.5°	10.3	10.3	10.3	5.1	10.3	10.3	15.4	25.6	30.8	35.9	46.1
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°	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0
2.5°	13535.3	13694.2	13637.8	13438.0	13591.7	13617.3	13514.8	13868.5	13935.1	13827.5	13858.2
5°	10972.8	11013.8	11106.0	11300.8	11439.2	11603.2	11603.2	11613.4	11475.0	11823.6	11721.1
7.5°	8548.6	8574.3	8681.9	9097.0	9214.9	9527.5	9660.8	9568.5	9291.8	9173.9	9271.3
10°	7380.1	7231.5	7195.6	7246.9	7513.4	7646.6	7759.4	7728.6	7682.5	7590.2	7487.7
12.5°	6601.1	6493.5	6406.3	6283.3	6298.7	6426.8	6514.0	6442.2	6462.7	6483.2	6514.0
15°	5755.5	5678.6	5632.5	5448.0	5427.5	5514.6	5545.3	5586.3	5663.2	5668.3	5632.5
17.5°	4858.6	4791.9	4894.4	4996.9	4925.2	4930.3	4986.7	5022.6	5002.1	4909.8	4863.7
20°	4243.6	4315.3	4417.8	4515.2	4592.1	4638.2	4658.7	4602.3	4535.7	4346.1	4340.9
22.5°	4064.2	4156.4	4243.6	4392.2	4463.9	4581.8	4474.2	4346.1	4253.8	4161.6	4053.9
25°	3930.9	4007.8	4182.1	4238.4	4376.8	4474.2	4397.3	4269.2	4110.3	3977.1	3895.1
27.5°	3833.6	3920.7	4033.4	4187.2	4294.8	4351.2	4274.3	4223.1	4059.1	3900.2	3782.3
30°	3772.1	3864.3	4069.3	4197.4	4289.7	4335.8	4202.6	4141.1	4023.2	3889.9	3787.4
32.5°	3731.1	3813.1	3987.3	4151.3	4212.8	4212.8	4233.3	4161.6	3997.6	3772.1	3684.9
35°	3597.8	3710.6	3854.1	4043.7	4156.4	4223.1	4120.6	4038.6	3930.9	3700.3	3541.4
37.5°	3520.9	3597.8	3782.3	3961.7	4059.1	4130.8	4089.8	3946.3	3802.8	3613.2	3485.1
40°	3438.9	3561.9	3725.9	3895.1	4002.7	4074.4	4043.7	3874.6	3700.3	3520.9	3433.8
42.5°	3382.6	3464.6	3633.7	3823.3	3951.4	4089.8	3997.6	3787.4	3664.4	3418.4	3321.0
45°	3336.4	3469.7	3649.1	3725.9	3859.2	4002.7	3838.7	3710.6	3567.1	3387.7	3305.7
47.5°	3280.0	3403.1	3520.9	3725.9	3787.4	3854.1	3823.3	3618.3	3495.3	3300.5	3244.2
50°	3259.5	3305.7	3520.9	3633.7	3720.8	3787.4	3705.4	3551.7	3433.8	3233.9	3110.9
52.5°	3177.5	3264.7	3403.1	3551.7	3659.3	3741.3	3608.1	3510.7	3351.8	3141.7	3064.8
55°	3075.0	3126.3	3372.3	3526.1	3582.4	3638.8	3587.6	3428.7	3264.7	3049.4	2972.5
57.5°	2941.8	3059.7	3259.5	3474.8	3546.6	3577.3	3495.3	3367.2	3162.2	2972.5	2849.5
60°	2803.4	2926.4	3146.8	3321.0	3392.8	3505.6	3382.6	3305.7	3069.9	2859.8	2726.5
62.5°	2665.0	2803.4	2967.4	3187.8	3249.3	3295.4	3264.7	3157.0	2967.4	2731.7	2567.7
65°	2501.0	2603.5	2808.5	2921.3	2962.3	3069.9	2962.3	2921.3	2752.2	2526.7	2388.3
67.5°	2255.0	2342.2	2521.5	2629.2	2659.9	2706.0	2700.9	2654.8	2465.2	2311.4	2188.4
70°	1973.2	2050.0	2162.8	2290.9	2306.3	2362.7	2311.4	2301.2	2178.2	1968.0	1901.4
72.5°	1583.6	1655.4	1804.0	1860.4	1865.5	1886.0	1860.4	1824.5	1793.8	1573.4	1506.8
75°	1214.6	1255.6	1327.4	1378.6	1378.6	1404.3	1388.9	1353.0	1271.0	1132.6	1066.0
77.5°	845.6	886.6	978.9	1009.6	1004.5	1014.8	968.6	932.8	809.8	738.0	681.6
80°	615.0	640.6	686.8	707.3	712.4	727.8	671.4	640.6	568.9	486.9	461.3
82.5°	445.9	461.3	466.4	492.0	492.0	466.4	451.0	420.3	369.0	317.8	297.3
85°	184.5	189.6	194.8	225.5	230.6	276.8	256.3	240.9	210.1	179.4	164.0
87.5°	46.1	51.3	66.6	56.4	66.6	66.6	71.8	82.0	82.0	66.6	66.6
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°	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0
2.5°	13976.1	14017.1	14539.8	14606.5	14862.7	15124.1	15652.0	16031.2	16338.7	16538.6	16595.0
5°	11828.7	12090.1	12330.9	12720.4	13074.1	13576.3	14155.5	14873.0	15775.0	16236.2	16420.7
7.5°	9261.0	9568.5	9917.0	10296.3	10813.9	11715.9	12489.8	13320.1	14473.2	14949.8	15672.5
10°	7559.5	7902.9	8364.1	8656.3	9281.5	10142.5	11044.5	12002.9	13104.8	13791.6	14627.0
12.5°	6683.1	6965.0	7390.4	8005.4	8471.8	9030.4	9701.8	10911.3	12489.8	13140.7	13714.7
15°	5714.5	6027.1	6519.1	7200.7	7759.4	8425.6	9179.0	10496.2	12177.2	13181.7	13668.6
17.5°	4914.9	5140.5	5658.1	6247.5	6888.1	7615.9	8697.3	10475.7	12505.2	13791.6	14586.0
20°	4361.4	4392.2	4674.1	5176.3	6047.6	6995.7	8400.0	10373.2	13555.8	14842.2	15846.7
22.5°	4012.9	3982.2	3987.3	4412.7	5022.6	6385.8	7933.6	10721.7	14750.0	16513.0	17189.5
25°	3838.7	3756.7	3705.4	3797.7	4351.2	5663.2	7580.0	11182.9	16036.4	17891.6	18721.9
27.5°	3746.4	3602.9	3500.4	3515.8	3920.7	5299.3	7359.6	11382.8	17312.5	19813.5	20105.7
30°	3710.6	3531.2	3382.6	3331.3	3597.8	4791.9	6888.1	11726.2	18455.4	20869.3	21120.4
32.5°	3582.4	3362.1	3218.5	3172.4	3280.0	4346.1	6549.8	11972.2	19465.0	22017.3	21930.2
35°	3433.8	3249.3	3069.9	2982.8	3059.7	4059.1	6278.2	11854.3	20654.1	22909.1	22863.0
37.5°	3418.4	3177.5	3028.9	2885.4	2880.3	3705.4	5909.2	11967.1	21412.6	24508.1	23877.7
40°	3285.2	3131.4	2936.7	2818.8	2752.2	3526.1	5550.5	11700.6	22524.7	25153.9	24533.7
42.5°	3290.3	3059.7	2890.5	2752.2	2685.5	3264.7	5304.5	11628.8	22914.2	26204.5	24841.2
45°	3208.3	2982.8	2839.3	2675.3	2639.4	3064.8	5068.7	11295.7	23601.0	26255.8	24456.9
47.5°	3126.3	2926.4	2772.7	2577.9	2495.9	2993.0	4884.2	11018.9	23242.2	25774.0	23923.9
50°	3069.9	2839.3	2695.8	2557.4	2326.8	2870.0	4643.3	10952.3	22740.0	25123.1	22934.7
52.5°	2972.5	2767.5	2618.9	2511.3	2142.3	2757.3	4551.1	11341.8	23355.0	24636.2	22647.7
55°	2880.3	2670.2	2480.5	2270.4	1988.5	2460.0	4294.8	11705.7	24251.9	25758.6	23949.5
57.5°	2782.9	2583.0	2378.0	2126.9	1839.9	2152.5	4028.3	11772.3	22570.8	23806.0	22734.8
60°	2654.8	2398.5	2244.8	1916.8	1681.0	1783.5	3192.9	10378.3	17507.3	19880.2	19916.0
62.5°	2511.3	2234.5	2101.3	1716.9	1517.0	1537.5	2603.5	8722.9	14201.6	16456.6	17435.5
65°	2321.7	2055.2	1896.3	1588.8	1399.1	1332.5	1906.5	6391.0	10788.3	13350.8	14463.0
67.5°	2075.7	1824.5	1624.6	1383.8	1250.5	1142.9	1301.8	3597.8	6370.5	8963.8	9302.0
70°	1814.3	1599.0	1388.9	1189.0	1040.4	963.5	953.3	1593.9	3044.3	4822.7	5489.0
72.5°	1429.9	1276.1	1107.0	958.4	861.0	748.3	681.6	661.1	1030.1	1962.9	2711.2
75°	1025.0	896.9	799.5	702.1	630.4	568.9	517.6	471.5	430.5	492.0	676.5
77.5°	645.8	599.6	522.8	497.1	456.1	440.8	420.3	394.6	363.9	343.4	343.4
80°	435.6	404.9	379.3	374.1	358.8	353.6	358.8	333.1	302.4	276.8	287.0
82.5°	292.1	287.0	281.9	276.8	281.9	287.0	297.3	292.1	266.5	251.1	256.3
85°	174.3	184.5	194.8	205.0	225.5	199.9	164.0	138.4	123.0	112.8	107.6
87.5°	66.6	92.3	82.0	76.9	82.0	76.9	71.8	66.6	56.4	51.3	51.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P533074

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0	15693.0
2.5°	16969.1	17071.6	17158.8	17138.3	16958.9	16718.0	16620.6	16123.5	16021.0	15954.4
5°	17199.8	17794.3	17922.4	17845.5	17379.1	16789.8	16215.7	15488.0	15062.6	15047.2
7.5°	16774.4	17507.3	17737.9	17912.1	17292.0	16267.0	15283.0	14191.3	13924.8	13945.3
10°	15693.0	16861.5	17430.4	17609.8	16897.4	16010.7	14647.5	13540.5	12971.6	12961.3
12.5°	15093.4	16010.7	16169.6	16420.7	16210.6	15313.7	14278.5	13038.2	12484.7	12474.4
15°	14560.3	15165.1	15211.2	15564.9	15677.6	15072.9	14375.8	13053.6	12607.7	12561.6
17.5°	15026.7	14606.5	14432.2	14478.3	14811.5	15031.9	14939.6	13924.8	13468.7	13212.4
20°	15339.4	14401.5	13873.6	13924.8	14319.5	15124.1	15780.1	15185.6	14463.0	14493.7
22.5°	16174.7	14432.2	13607.1	13550.7	14176.0	15605.9	16728.3	16779.5	16082.5	15913.4
25°	17425.3	14785.8	13525.1	13509.7	14109.3	16123.5	17835.3	18665.5	17953.1	17640.5
27.5°	18429.8	15339.4	13781.3	13832.6	14319.5	16543.7	18778.3	19880.2	19336.9	18952.5
30°	19311.3	15913.4	14140.1	13904.3	14883.2	16764.1	19183.2	21263.9	20828.3	20510.6
32.5°	19675.2	16728.3	14709.0	14319.5	15349.6	17030.6	20023.7	22606.7	22232.6	21448.4
35°	20290.2	17184.4	15016.5	14985.7	16164.5	17671.3	20418.3	23493.4	23339.6	22642.6
37.5°	20782.2	17645.6	16108.1	15769.9	17281.8	18747.5	21053.8	24718.2	24364.6	24036.6
40°	21161.4	18470.8	17128.0	17573.9	18655.3	19726.4	21638.1	24795.1	25815.0	24861.7
42.5°	20812.9	19208.8	18803.9	19869.9	20894.9	20843.7	21704.7	25389.6	26153.3	25656.1
45°	20725.8	20459.3	21453.6	22422.2	22658.0	21771.3	21228.1	24733.6	26050.8	25830.4
47.5°	20515.7	21689.3	23421.6	25000.1	24641.4	22391.5	20659.2	24615.7	26112.3	25717.6
50°	20443.9	21955.8	24877.1	26414.6	26199.4	22929.6	20392.7	23857.2	25676.6	25640.8
52.5°	20438.8	22504.2	25481.9	27183.4	27316.7	23780.4	20756.6	24241.6	26014.9	26317.3
55°	20669.4	22330.0	25405.0	26758.0	26706.8	23401.1	20797.6	24497.9	26430.0	26727.3
57.5°	19495.8	20003.2	20966.7	22037.8	21761.1	19383.0	18573.3	22647.7	24257.0	24041.7
60°	16835.9	15247.1	14160.6	14109.3	13571.2	12828.1	15201.0	20213.3	20213.3	20003.2
62.5°	14744.8	10009.3	8599.9	8200.1	8584.5	9440.4	14662.8	19659.8	19101.2	18860.3
65°	12894.7	7641.5	6216.7	6104.0	6770.2	8061.7	13258.6	16748.8	15764.7	14965.2
67.5°	8297.5	5596.6	4622.8	4422.9	5227.6	5919.5	8825.4	10301.4	9681.3	9368.6
70°	5350.6	3643.9	2572.8	2413.9	2726.5	3649.1	5637.6	6006.6	5104.6	4894.4
72.5°	2531.8	1573.4	902.0	743.1	835.4	1394.0	2229.4	2398.5	1993.7	1824.5
75°	804.6	579.1	369.0	317.8	302.4	358.8	512.5	394.6	287.0	281.9
77.5°	358.8	343.4	292.1	246.0	215.3	179.4	148.6	123.0	128.1	133.3
80°	297.3	271.6	240.9	215.3	179.4	138.4	107.6	82.0	82.0	87.1
82.5°	261.4	235.8	210.1	179.4	153.8	112.8	82.0	56.4	51.3	51.3
85°	112.8	133.3	143.5	153.8	123.0	92.3	56.4	35.9	30.8	30.8
87.5°	46.1	41.0	35.9	30.8	25.6	25.6	20.5	15.4	10.3	10.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)