

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: P458383

Luminaire Tested: **GALN-SA9D-740-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458383
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9D-740-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 60451 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

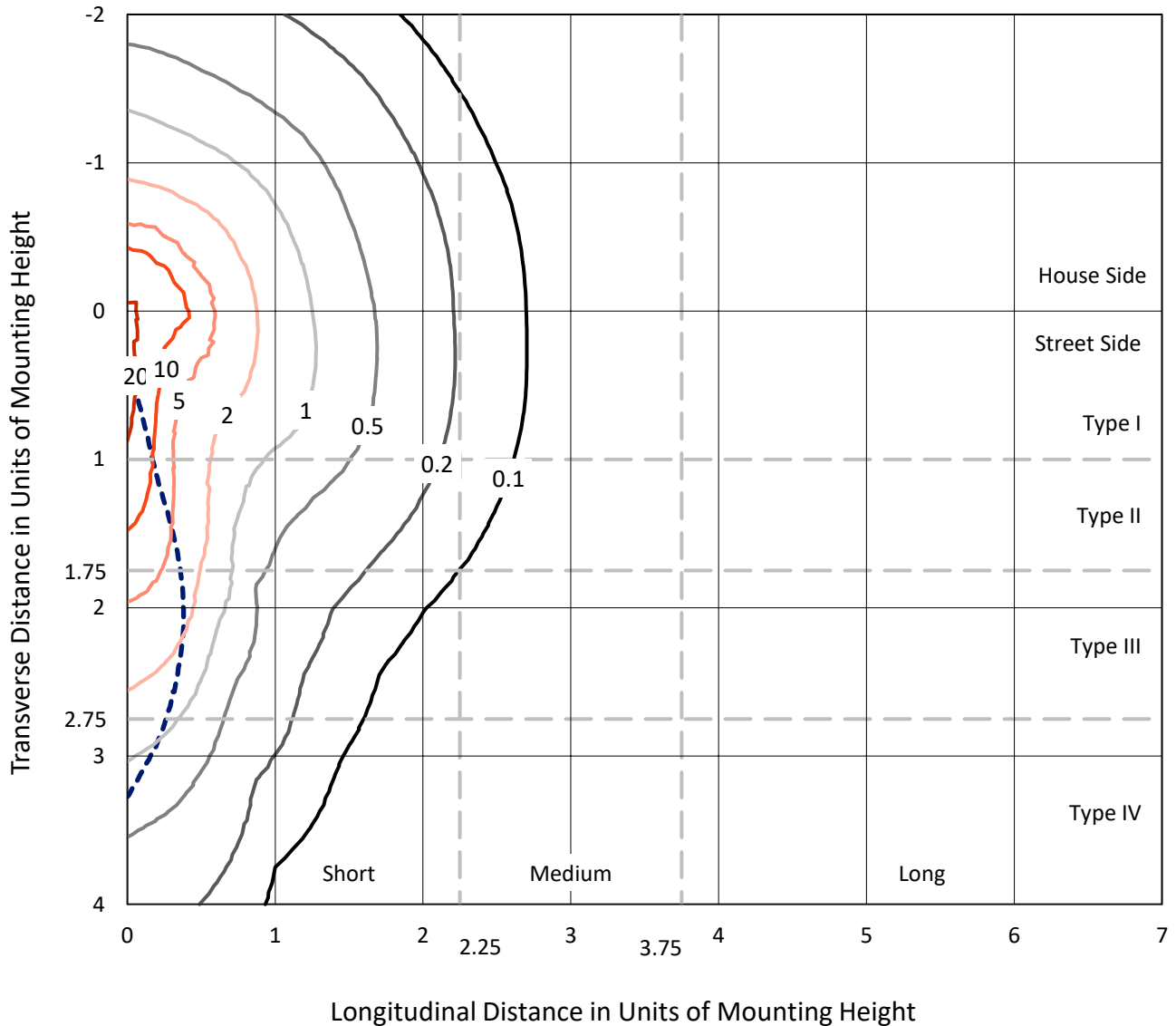
Input Watts (W): 552
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

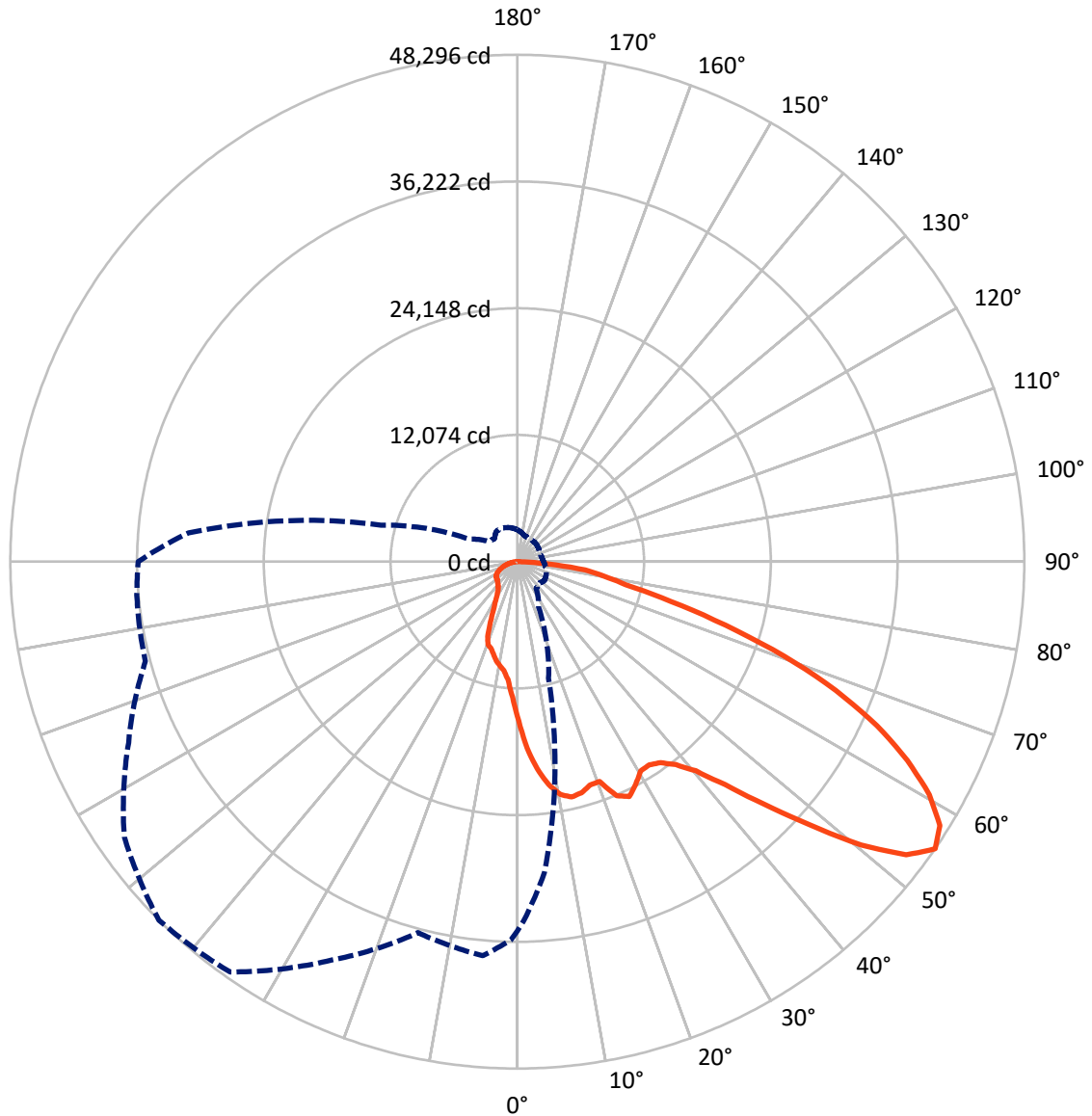
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13223.4	0.0	13223.4
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	47227.6	0.0	47227.6
	% Fixture	78.1	0.0	78.1
Total	Lumens	60451.0	0.0	60451.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1285.8	2.1
10°-20°	3411.2	5.6
20°-30°	5893.0	9.7
30°-40°	6848.6	11.3
40°-50°	9555.1	15.8
50°-60°	12965.3	21.4
60°-70°	12334.9	20.4
70°-80°	6663.7	11.0
80°-90°	1493.4	2.5
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°	60451.0	100.0
0°-180°	60451.0	100.0

Coefficient of Utilization



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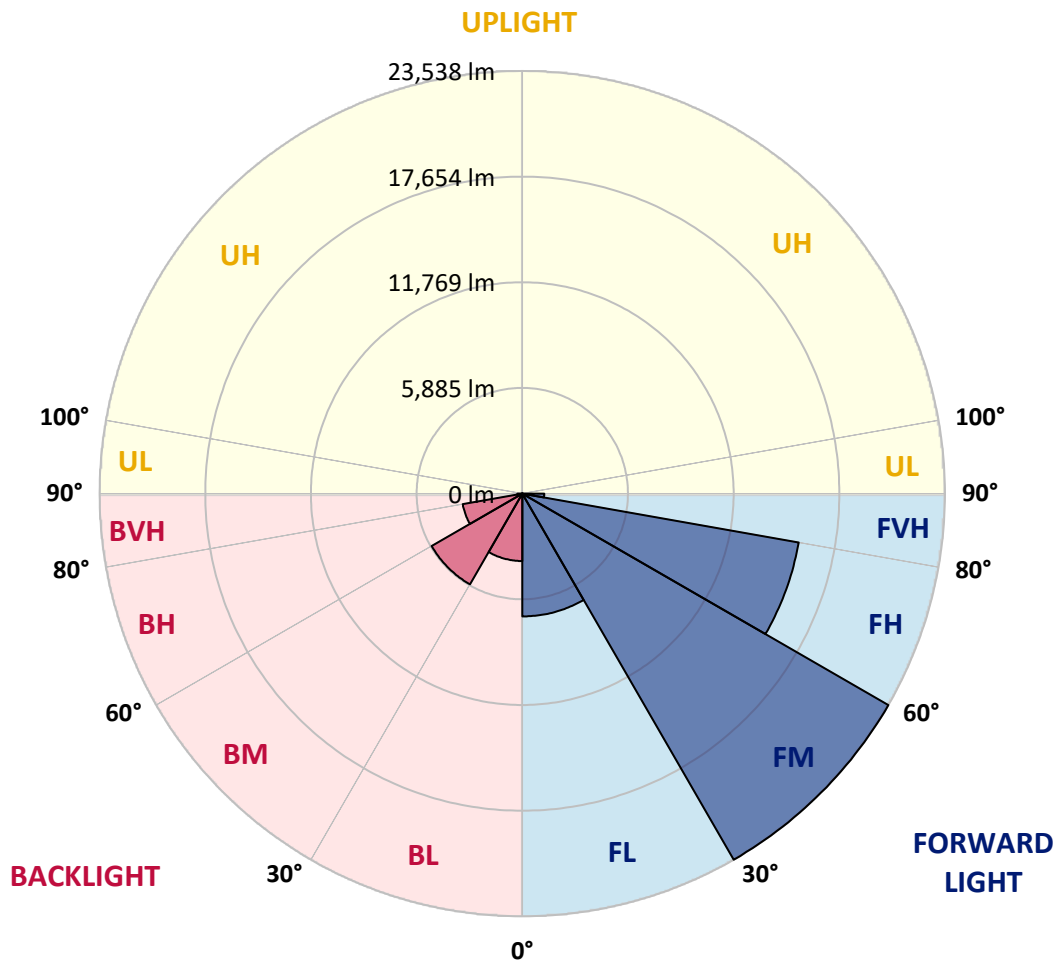
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6837.1	11.3			
FM	(30°-60°)	23538.4	38.9			
FH	(60°-80°)	15631.6	25.9			G5
FVH	(80°-90°)	1220.5	2.0			G5
BL	(0°-30°)	3752.8	6.2	B4/5000		
BM	(30°-60°)	5830.7	9.6	B4/8500		
BH	(60°-80°)	3367.0	5.6	B4/5000		G4/5000
BVH	(80°-90°)	272.9	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8
2.5°	16853.8	16790.0	16610.6	16140.0	15665.4	15182.8	14811.9	14349.3	13866.7	13607.5	13276.5
5°	17085.1	17013.4	16590.6	15529.8	14568.6	13559.6	12754.0	12048.1	11761.0	11338.2	10999.3
7.5°	16542.8	16510.9	15876.7	14353.3	13037.2	11717.1	10803.8	10237.5	9723.1	9531.6	9571.5
10°	16048.2	15920.6	15127.0	13136.9	11601.5	10528.7	9874.6	9320.3	8957.3	8861.6	8881.6
12.5°	15637.5	15466.0	14528.8	12319.3	10975.3	10117.9	9284.4	8706.1	8375.1	8466.8	8777.9
15°	15553.7	15322.4	14277.5	12040.2	10632.3	9527.6	8614.4	7948.3	7701.1	7900.5	8399.0
17.5°	16096.1	15805.0	14708.2	12131.9	10305.3	8925.4	7804.8	7043.0	6835.7	7154.7	7804.8
20°	17838.9	17408.2	16052.2	12662.3	10273.4	8626.3	7334.2	6568.4	6656.2	7262.4	7940.4
22.5°	21061.3	20415.2	18405.2	13436.0	10440.9	8550.5	7238.5	6839.6	7322.2	7836.7	8283.3
25°	21699.4	21192.9	18828.0	13611.5	10405.0	8498.7	7509.6	7709.1	8247.4	8502.7	8347.2
27.5°	22058.3	21480.1	18800.0	12742.1	9304.3	7709.1	7178.6	7509.6	7645.2	7398.0	6975.2
30°	22895.8	22293.6	19274.6	11828.8	7661.2	5719.0	5013.1	4877.5	4969.2	5017.1	4865.5
32.5°	24048.4	23454.2	20168.0	11230.6	6624.3	4729.9	4036.0	3844.6	3800.7	3748.8	3689.0
35°	25540.0	24626.7	21045.4	10847.7	6197.6	4375.0	3736.9	3589.3	3529.5	3457.7	3393.9
37.5°	27055.5	26098.3	22154.1	10444.9	5914.4	4127.7	3537.5	3469.7	3366.0	3290.2	3198.5
40°	28666.7	27593.9	23163.0	10094.0	5639.2	3968.2	3393.9	3385.9	3250.3	3162.6	3054.9
42.5°	30062.5	28957.8	24064.4	9878.6	5427.8	3800.7	3306.2	3330.1	3190.5	3058.9	2919.3
45°	31171.2	30086.4	24897.9	9878.6	5256.4	3633.2	3290.2	3274.3	3134.7	2971.2	2811.6
47.5°	32144.3	31023.6	25711.5	10129.8	5148.7	3493.6	3202.5	3230.4	3086.8	2879.4	2723.9
50°	32898.1	31909.0	26808.2	10520.7	5041.0	3381.9	3090.8	3242.3	3046.9	2831.6	2652.1
52.5°	33859.2	32973.8	28128.3	11055.1	4949.3	3258.3	2991.1	3242.3	3042.9	2835.6	2640.1
55°	35191.2	34258.0	29719.5	11497.8	4801.7	3142.6	2903.4	3150.6	3031.0	2815.6	2608.2
57.5°	36124.5	35426.5	30844.2	11792.9	4590.3	2995.1	2823.6	3062.9	2979.1	2739.8	2512.5
58°	36168.3	35486.4	31007.7	11860.7	4538.5	2967.2	2803.7	3023.0	2955.2	2707.9	2480.6
60°	35665.8	35079.6	31039.6	11765.0	4243.4	2827.6	2700.0	2859.5	2827.6	2520.5	2309.1
62.5°	33839.3	33213.1	29751.4	10987.3	3852.5	2656.1	2540.4	2640.1	2568.4	2257.3	2061.9
65°	31243.0	30090.4	27103.3	9766.9	3573.4	2472.6	2325.1	2333.1	2257.3	2033.9	1862.5
67.5°	27785.3	26497.1	22947.7	8231.5	3362.0	2269.2	2069.8	2049.9	1958.2	1814.6	1675.0
70°	23530.0	22648.6	18648.5	6696.1	3126.7	2045.9	1782.7	1770.7	1714.9	1607.2	1483.6
72.5°	19071.2	17950.6	15059.2	5360.0	2839.5	1830.6	1515.5	1539.4	1467.6	1391.9	1280.2
75°	14074.1	13340.3	11641.3	4299.2	2452.7	1595.3	1264.2	1272.2	1240.3	1160.5	1072.8
77.5°	9268.4	9049.1	8327.2	2823.6	1886.4	1268.2	1032.9	1040.9	1017.0	945.2	853.5
80°	6237.4	6089.9	5643.2	1818.6	1260.2	917.3	797.6	805.6	801.6	725.8	602.2
82.5°	3844.6	3780.7	3637.2	1228.3	873.4	658.0	526.4	550.4	594.2	510.5	410.8
85°	1814.6	1818.6	2197.5	670.0	514.5	422.7	287.1	307.1	307.1	307.1	231.3
87.5°	235.3	247.3	303.1	283.2	187.4	159.5	103.7	87.7	75.8	99.7	71.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8
2.5°	13160.8	13081.1	12909.6	12869.7	12845.8	12913.6	12734.1	12782.0	12702.2	12925.5	12889.6
5°	11019.2	11027.2	11166.8	11258.5	11290.4	11258.5	11138.8	10931.5	10771.9	10708.1	10724.1
7.5°	9495.7	9635.3	9874.6	10141.8	10385.1	10456.9	10389.1	9994.2	9563.5	9292.3	9204.6
10°	8989.2	9176.7	9451.9	9663.2	9878.6	10050.1	10086.0	9778.9	9268.4	8626.3	8375.1
12.5°	9017.2	9272.4	9535.6	9603.4	9583.5	9651.3	9619.4	9567.5	9232.5	8415.0	7996.2
15°	8753.9	9057.0	9240.5	9204.6	9140.8	9081.0	8997.2	8865.6	8746.0	8171.7	7709.1
17.5°	8147.7	8458.8	8610.4	8622.3	8622.3	8606.4	8403.0	8355.1	8339.2	8060.0	7776.8
20°	8259.4	8430.9	8363.1	8251.4	8283.3	8391.0	8271.4	8247.4	8339.2	8462.8	8411.0
22.5°	8323.2	8263.4	7752.9	7258.4	7146.7	7481.7	7549.5	7816.7	8187.6	8634.3	8925.4
25°	7928.4	7445.8	6532.6	5974.2	5659.2	5970.2	6377.0	6871.5	7425.9	8000.2	8339.2
27.5°	6628.3	6261.4	5607.3	5104.8	4829.6	4877.5	5224.4	5675.1	6189.6	6576.4	6823.7
30°	4993.1	4829.6	4490.6	4319.1	4151.6	4111.8	4259.3	4430.8	4658.1	4706.0	4769.8
32.5°	3677.1	3653.1	3673.1	3617.2	3585.3	3581.3	3537.5	3577.4	3601.3	3629.2	3573.4
35°	3326.1	3294.2	3238.4	3222.4	3202.5	3210.4	3190.5	3170.6	3186.5	3210.4	3226.4
37.5°	3146.6	3098.8	3019.0	2991.1	2991.1	3003.1	2971.2	2963.2	2991.1	3066.9	3106.8
40°	3007.0	2951.2	2859.5	2823.6	2847.5	2879.4	2835.6	2819.6	2887.4	2967.2	3031.0
42.5°	2875.4	2831.6	2743.8	2704.0	2723.9	2783.7	2719.9	2707.9	2795.7	2883.4	2959.2
45°	2763.8	2719.9	2640.1	2620.2	2628.2	2684.0	2640.1	2640.1	2723.9	2819.6	2887.4
47.5°	2676.0	2620.2	2568.4	2552.4	2560.4	2592.3	2584.3	2584.3	2664.1	2763.8	2831.6
50°	2588.3	2540.4	2472.6	2480.6	2500.6	2544.4	2540.4	2552.4	2632.2	2755.8	2827.6
52.5°	2548.4	2476.6	2400.9	2408.8	2468.7	2520.5	2504.5	2516.5	2608.2	2839.5	2943.2
55°	2504.5	2408.8	2321.1	2333.1	2400.9	2476.6	2456.7	2472.6	2580.3	2895.4	3039.0
57.5°	2420.8	2309.1	2213.4	2221.4	2321.1	2400.9	2368.9	2388.9	2516.5	2835.6	2987.1
58°	2384.9	2289.2	2197.5	2201.4	2297.2	2384.9	2349.0	2365.0	2496.6	2819.6	2963.2
60°	2233.4	2177.5	2097.8	2101.7	2193.5	2269.2	2249.3	2265.3	2392.9	2704.0	2811.6
62.5°	2026.0	1994.1	1974.1	1974.1	2030.0	2101.7	2121.7	2141.6	2257.3	2444.7	2540.4
65°	1802.6	1802.6	1806.6	1806.6	1842.5	1934.2	1946.2	1998.1	2105.7	2197.5	2269.2
67.5°	1651.1	1643.1	1651.1	1631.1	1647.1	1702.9	1762.8	1810.6	1922.3	1986.1	2010.0
70°	1455.7	1451.7	1455.7	1427.7	1447.7	1495.5	1535.4	1615.2	1730.8	1778.7	1790.7
72.5°	1264.2	1264.2	1272.2	1252.3	1252.3	1304.1	1332.0	1419.8	1527.5	1555.4	1559.4
75°	1064.8	1076.8	1076.8	1048.9	1056.9	1088.8	1124.7	1196.4	1296.1	1316.1	1316.1
77.5°	845.5	889.4	889.4	861.4	873.4	877.4	925.2	961.1	1036.9	1044.9	1013.0
80°	614.2	658.0	693.9	670.0	689.9	666.0	693.9	717.9	793.6	757.7	705.9
82.5°	438.7	470.6	498.5	502.5	482.6	438.7	474.6	478.6	514.5	466.6	438.7
85°	243.3	271.2	307.1	291.1	259.2	231.3	243.3	251.3	247.3	235.3	219.3
87.5°	63.8	67.8	75.8	55.8	51.8	43.9	59.8	59.8	67.8	71.8	67.8
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8
2.5°	12917.5	13093.0	13471.9	13759.0	14110.0	14536.7	15039.2	15545.7	16092.1	16263.6	16502.9
5°	10688.2	11126.9	11310.3	11832.8	12351.2	13128.9	13958.4	14919.6	15972.5	16478.9	16965.5
7.5°	9132.8	9368.1	9559.5	9942.4	10564.6	11509.7	12550.6	13751.1	15242.6	15980.4	16694.3
10°	8295.3	8319.2	8554.5	9029.1	9571.5	10405.0	11390.1	12734.1	14397.1	15294.5	16132.0
12.5°	7741.0	7637.3	7892.5	8387.0	9001.2	9770.9	10676.2	11956.4	13787.0	14708.2	15721.2
15°	7254.4	7090.9	7282.3	7788.8	8395.0	9300.3	10273.4	11629.4	13547.7	14620.5	15745.1
17.5°	7266.4	6815.7	6883.5	7310.2	7912.4	8833.7	10014.2	11617.4	13910.6	15146.9	16478.9
20°	8163.7	7441.8	7134.8	7214.5	7796.8	8801.8	10133.8	12175.8	15103.0	16905.7	18329.4
22.5°	9045.1	8610.4	8115.8	7952.3	8271.4	9324.2	10895.6	13495.8	17695.3	20411.2	22983.6
25°	8738.0	9108.9	8985.3	8753.9	8825.7	9699.1	11414.0	14580.6	19709.3	22768.2	25185.0
27.5°	6991.2	7665.2	7800.8	7796.8	7824.7	8542.6	10265.4	13850.8	19960.6	23218.9	25528.0
30°	4913.4	4973.2	5045.0	5184.6	5312.2	5954.3	8032.1	12159.8	19848.9	23422.3	25735.4
32.5°	3545.4	3625.2	3724.9	3916.3	4219.4	5037.0	7027.1	11621.4	20439.2	24263.8	26341.6
35°	3242.3	3334.1	3429.8	3649.1	3936.3	4694.0	6628.3	11398.1	21408.3	25627.7	27430.3
37.5°	3146.6	3250.3	3334.1	3493.6	3724.9	4446.8	6265.3	11246.5	22401.3	27071.4	28890.0
40°	3078.8	3198.5	3266.3	3393.9	3553.4	4219.4	5942.3	11126.9	23362.5	28391.5	30062.5
42.5°	3019.0	3142.6	3230.4	3322.1	3453.7	4016.0	5655.2	11007.2	24196.0	29671.7	31231.0
45°	2947.2	3102.8	3214.4	3286.2	3401.9	3844.6	5435.8	10911.5	25145.1	30808.3	32411.5
47.5°	2887.4	3058.9	3198.5	3282.2	3326.1	3724.9	5260.3	11043.1	26285.8	31996.8	33508.3
50°	2891.4	3054.9	3230.4	3362.0	3246.3	3625.2	5152.7	11565.6	27769.3	33408.5	34373.7
52.5°	3019.0	3218.4	3358.0	3389.9	3134.7	3505.6	5096.8	12478.9	29524.1	34656.8	35247.1
55°	3162.6	3370.0	3521.5	3501.6	3074.8	3354.0	5084.9	13452.0	31446.4	36112.5	36383.7
57.5°	3110.7	3413.8	3645.1	3541.5	3078.8	3206.5	5033.0	14237.6	33053.6	37201.3	37508.3
58°	3094.8	3397.9	3661.1	3533.5	3066.9	3162.6	5021.1	14305.4	33276.9	37277.0	37667.9
60°	2939.3	3258.3	3649.1	3473.7	2999.1	3042.9	4889.4	14524.8	33217.1	36886.2	37763.6
62.5°	2656.1	2919.3	3374.0	3182.5	2791.7	2883.4	4594.3	14253.6	31597.9	35003.8	36363.8
65°	2337.0	2532.5	2835.6	2799.7	2496.6	2719.9	4191.5	13180.8	28355.6	31948.9	33380.6
67.5°	2097.8	2257.3	2448.7	2396.9	2245.3	2500.6	3756.8	11366.2	24718.4	28279.8	30082.5
70°	1854.5	1978.1	2073.8	2037.9	1990.1	2285.2	3370.0	9224.5	21232.8	24794.2	26541.0
72.5°	1607.2	1722.9	1802.6	1750.8	1722.9	2057.9	3054.9	7158.7	16770.1	20455.1	22700.4
75°	1344.0	1459.7	1515.5	1455.7	1439.7	1814.6	2588.3	5348.1	12582.5	15769.1	17707.3
77.5°	1040.9	1164.5	1236.3	1216.4	1224.4	1491.6	2089.8	3661.1	8997.2	10748.0	12789.9
80°	729.8	865.4	913.3	893.3	949.2	1136.6	1475.6	2325.1	6205.5	6975.2	8415.0
82.5°	450.7	578.3	586.3	606.2	646.1	841.5	1112.7	1415.8	3896.4	4028.0	5072.9
85°	227.3	275.2	295.1	327.0	362.9	514.5	634.1	877.4	2508.5	1898.3	2835.6
87.5°	75.8	79.8	95.7	119.6	147.6	211.4	271.2	358.9	622.1	343.0	877.4
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: P458383

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8	15170.8
2.5°	16985.4	17324.4	17571.7	17799.0	17579.7	17559.7	17344.4	16997.4	16853.8	16853.8
5°	17986.5	18780.1	19422.2	19833.0	19657.5	19234.7	18536.8	17647.5	17168.9	17085.1
7.5°	18261.6	19829.0	21021.4	21444.2	21149.0	20215.8	18879.8	17380.3	16694.3	16542.8
10°	18094.1	20132.1	21882.9	22552.9	22142.1	20730.3	18907.7	17069.2	16223.7	16048.2
12.5°	17918.7	20172.0	22042.4	23011.5	22744.3	21145.1	19111.1	16865.8	15888.7	15637.5
15°	18046.3	20187.9	21847.0	22848.0	23019.5	21643.6	19446.1	17013.4	15820.9	15553.7
17.5°	18851.9	20491.0	21567.8	22377.4	22979.6	22321.6	20399.3	17719.3	16427.1	16096.1
20°	20534.9	21216.8	21727.3	22353.5	23322.6	23705.4	22349.5	19657.5	18130.0	17838.9
22.5°	25408.4	25284.7	24239.8	24227.9	25631.7	27167.1	27075.4	23597.8	21300.6	21061.3
25°	27234.9	26660.6	25149.1	24782.2	25400.4	27769.3	27426.4	24403.4	22281.7	21699.4
27.5°	26521.1	25097.3	24104.2	24020.5	23817.1	26054.4	26880.0	24730.4	22624.7	22058.3
30°	26477.2	24383.4	22963.6	23131.1	23326.6	25464.2	27183.1	25755.3	23502.0	22895.8
32.5°	26584.9	24483.1	23047.4	23079.3	23661.6	25551.9	27518.1	26872.0	24654.6	24048.4
35°	27019.6	25049.4	23581.8	23506.0	24415.3	26126.2	28088.4	28626.8	26229.9	25540.0
37.5°	27721.5	26178.1	24558.9	24539.0	25859.0	27163.1	28798.3	30397.5	27797.3	27055.5
40°	28754.4	27498.1	26297.7	26190.0	27821.2	28850.1	29719.5	32283.9	29619.8	28666.7
42.5°	30002.7	29081.4	28590.9	29017.6	30585.0	30744.5	31155.3	34026.7	31171.2	30062.5
45°	31159.2	31115.4	31797.3	32930.0	33843.3	32886.1	32654.8	35195.2	32375.6	31171.2
47.5°	32535.1	33723.6	35781.5	37440.5	38397.7	35378.7	33935.0	35957.0	33253.0	32144.3
50°	33931.0	36846.3	40132.5	42445.6	42649.0	38086.6	34816.4	36674.8	34050.6	32898.1
52.5°	35398.6	39338.9	43713.9	46401.9	46007.0	40443.6	35669.8	37161.4	34872.2	33859.2
55°	36674.8	40866.3	45715.9	48296.2	47718.0	41879.3	36591.1	37687.8	36044.7	35191.2
57.5°	37388.7	40994.0	45217.4	47470.7	46844.6	41600.2	37013.8	38078.6	36794.5	36124.5
58°	37492.4	40822.5	44774.7	46992.1	46354.0	41364.9	37009.8	38062.7	36842.3	36168.3
60°	37400.7	39709.8	43127.6	45101.7	44431.7	39889.3	36858.3	37763.6	36236.1	35665.8
62.5°	36551.2	37779.5	40284.1	41719.8	41528.4	37584.1	36236.1	36634.9	34389.6	33839.3
65°	35434.5	35147.4	36642.9	37659.9	37803.5	35857.3	35618.0	34194.2	32020.7	31243.0
67.5°	34078.6	32164.3	32160.3	32738.5	32977.8	33201.2	34329.8	31542.1	28606.8	27785.3
70°	31777.4	27565.9	26297.7	26979.7	26780.3	28666.7	32028.7	27817.2	24491.1	23530.0
72.5°	27558.0	21874.9	19844.9	20722.3	20219.8	22481.1	28024.6	22891.9	20251.7	19071.2
75°	22337.5	16363.3	14269.5	15075.1	14764.1	17053.2	23318.6	16626.5	14524.8	14074.1
77.5°	17344.4	11856.7	10640.3	10528.7	10760.0	12690.2	17105.1	11226.6	9575.5	9268.4
80°	11142.8	8486.7	8558.5	8415.0	8534.6	8000.2	10385.1	7162.7	6484.7	6237.4
82.5°	7334.2	5914.4	7051.0	6508.6	6181.6	5380.0	6811.7	4690.0	3980.2	3844.6
85°	4997.1	4355.0	3964.2	3031.0	3569.4	4143.7	5108.8	2524.5	2002.0	1814.6
87.5°	2257.3	1515.5	1112.7	686.0	1084.8	1252.3	2480.6	295.1	227.3	235.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)