

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: P533254

Luminaire Tested: **GALN-SA8C-830-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8C-830-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33598 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - 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



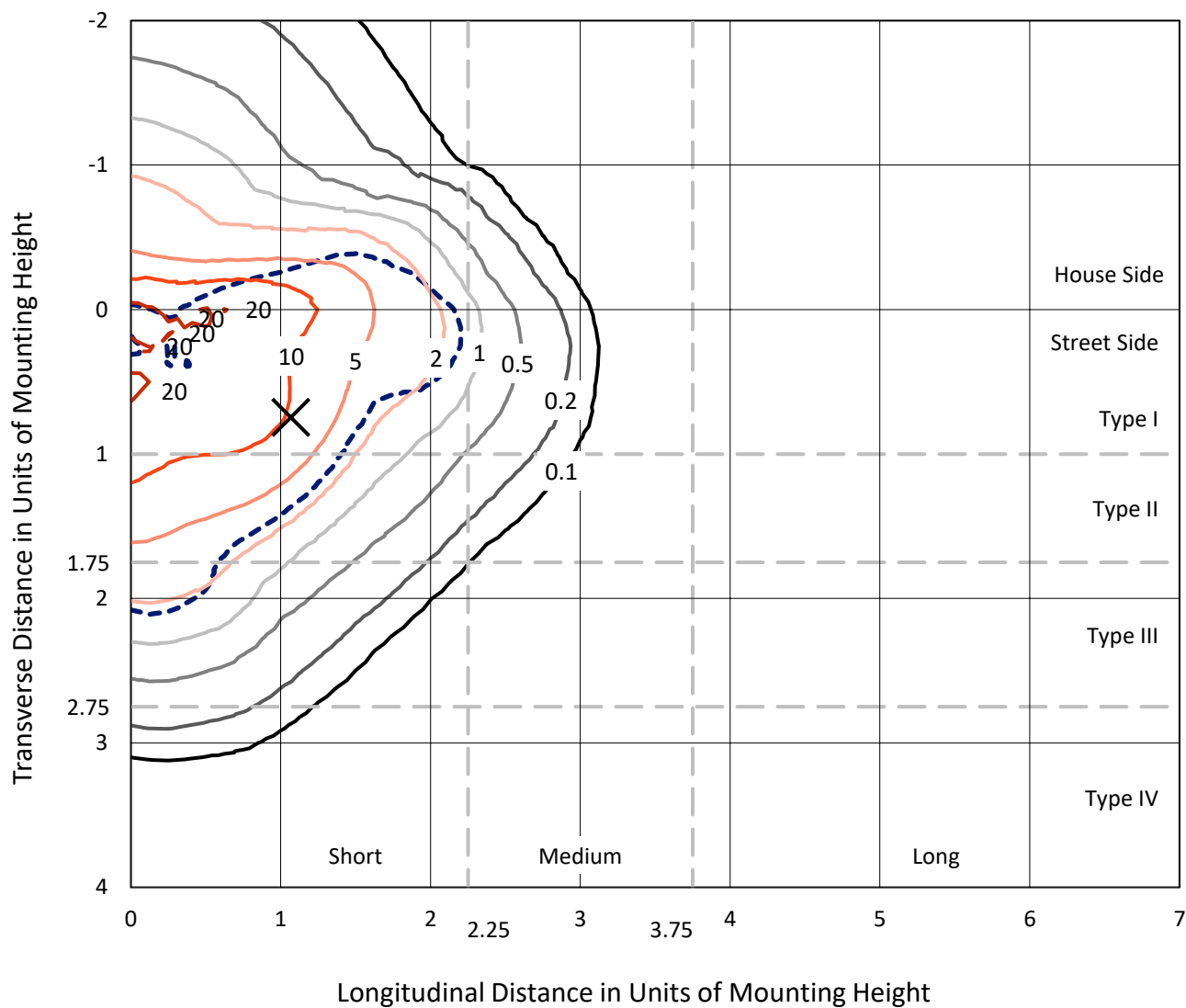
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

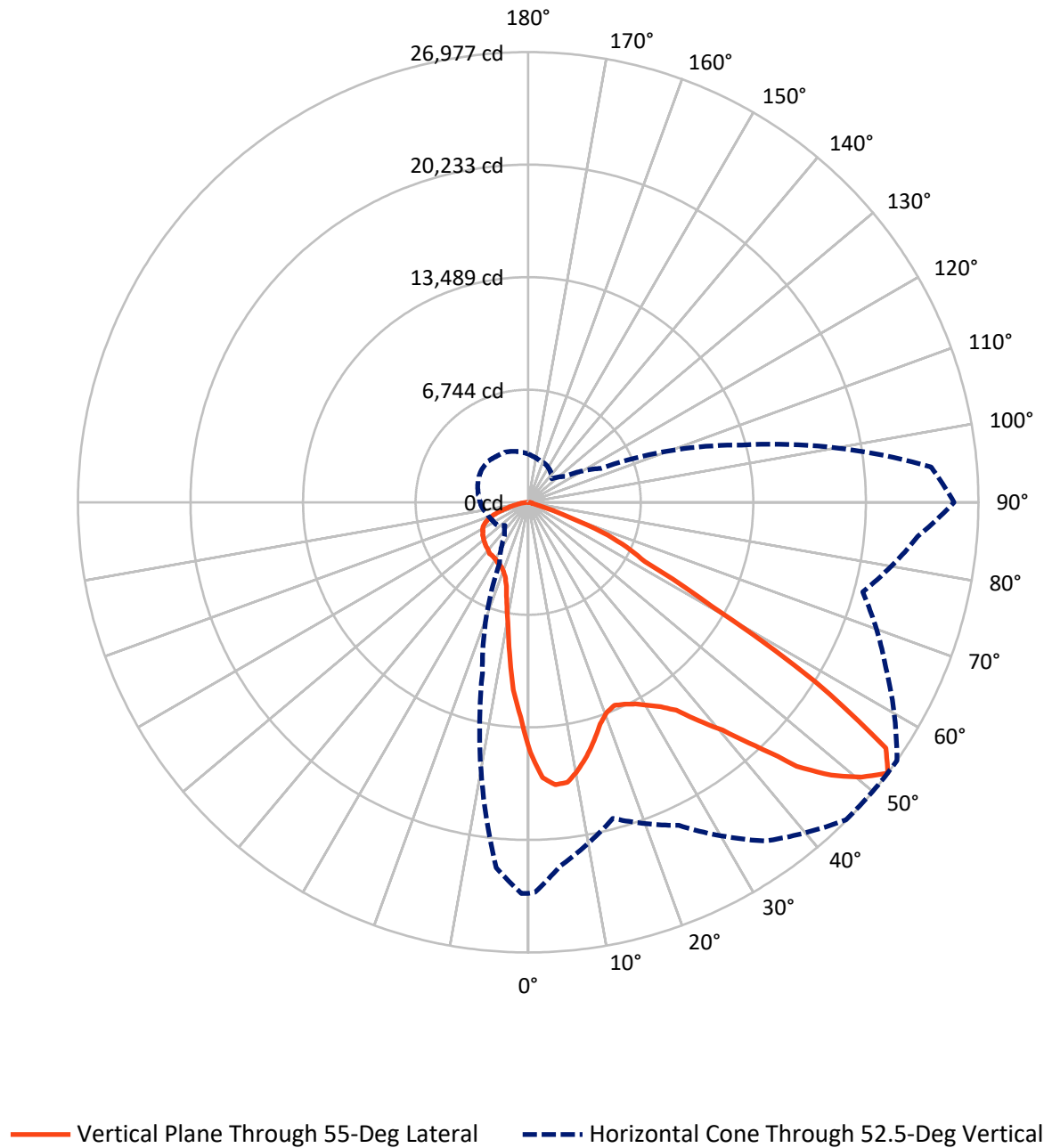


Based on 25 foot mounting height. Maximum calculated value = 25.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10249.2	0.0	10249.2
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	23348.8	0.0	23348.8
	% Fixture	69.5	0.0	69.5
Total	Lumens	33598.0	0.0	33598.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1145.0	3.4
10°-20°	2468.8	7.3
20°-30°	3743.5	11.1
30°-40°	5408.7	16.1
40°-50°	7227.5	21.5
50°-60°	8067.5	24.0
60°-70°	4425.4	13.2
70°-80°	956.8	2.8
80°-90°	154.8	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°	33598.0	100.0
0°-180°	33598.0	100.0

Coefficient of Utilization



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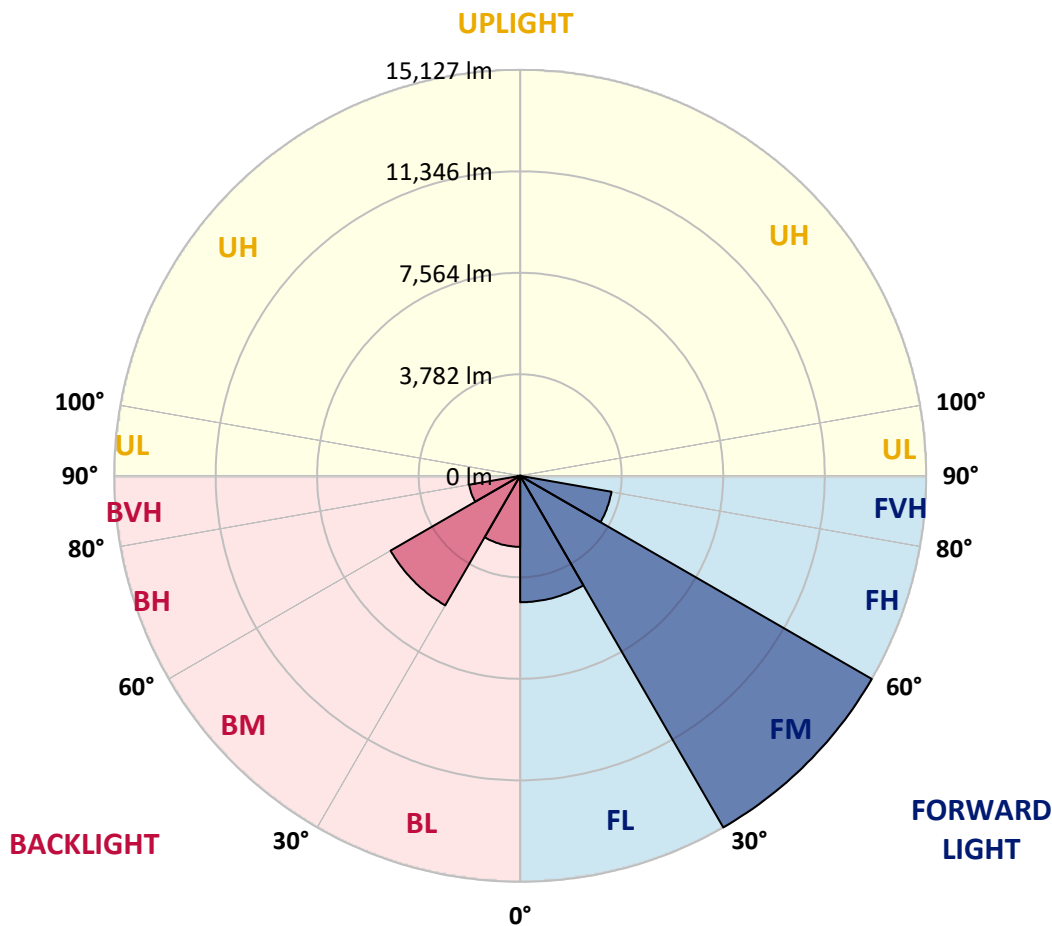
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4711.0	14.0			
FM	(30°-60°)	15127.4	45.0			
FH	(60°-80°)	3453.0	10.3			G2/5000
FVH	(80°-90°)	57.3	0.2			G1/100
BL	(0°-30°)	2646.2	7.9	B4/5000		
BM	(30°-60°)	5576.4	16.6	B4/8500		
BH	(60°-80°)	1929.1	5.7	B3/2500		G3/2500
BVH	(80°-90°)	97.5	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3
2.5°	15728.1	15639.8	15718.3	16091.1	16307.0	16454.1	16547.4	16532.6	16179.4	15836.0	15836.0
5°	15266.9	15154.1	15316.0	16159.8	17008.5	17082.1	17204.7	17003.6	16483.6	15855.6	15070.7
7.5°	13932.6	14016.0	14285.8	15394.5	16498.3	17052.7	17199.8	16944.7	16100.9	14928.4	13775.6
10°	12779.7	12975.9	13599.0	14796.0	15811.5	16532.6	16694.5	16336.4	15669.2	14231.8	13201.6
12.5°	12382.3	12259.7	12951.4	14148.4	15119.8	15507.3	15580.9	15605.4	15154.1	13878.6	12622.7
15°	12333.3	12411.7	12951.4	13859.0	14457.5	14477.1	14599.7	14791.1	14849.9	14119.0	12892.5
17.5°	13039.7	12946.5	13500.8	14222.0	13937.5	13652.9	13682.4	13957.1	14442.8	14325.0	13741.2
20°	14084.6	14295.6	14732.2	14658.6	13893.3	13172.2	13177.1	13437.1	14393.7	15178.6	14923.5
22.5°	15821.3	16027.3	16351.1	15463.2	13893.3	13029.9	12863.1	13216.3	14707.7	16194.1	16257.9
25°	17405.9	17783.6	17871.9	16827.0	14589.9	13162.3	13054.4	13402.7	15021.6	17185.1	17788.5
27.5°	18848.2	18985.6	19373.1	17705.1	14977.5	13250.6	13240.8	13687.3	15419.0	17680.6	19157.3
30°	19986.3	19971.6	20192.4	18259.5	15595.6	13746.1	13270.3	14114.1	15939.0	18499.9	20423.0
32.5°	20761.5	20928.3	21394.3	19029.7	15855.6	14217.1	13844.2	14614.5	16571.9	18887.4	21315.8
35°	22125.3	22414.7	21826.0	19456.5	16679.8	14683.1	14246.5	15296.4	16885.9	19309.3	22409.8
37.5°	23410.6	23189.9	22591.3	19687.1	17214.6	15546.6	15139.4	16616.0	17862.1	20226.7	23135.9
40°	24234.8	24229.9	23165.3	19873.5	17592.3	16866.2	16841.7	17955.3	19059.1	20805.6	23950.3
42.5°	24592.9	24936.3	23400.8	19853.9	18387.0	18465.5	18961.0	19956.9	19907.9	20923.4	23930.6
44°	25083.5	25289.5	23808.0	19898.0	18916.9	19544.8	20712.4	21345.3	20648.6	20859.6	23906.1
45°	25063.9	25078.6	23229.1	19956.9	19368.2	20447.5	21492.4	22561.9	21301.1	20722.2	24229.9
47.5°	24489.9	24323.1	22738.5	19520.3	20776.2	22831.7	23798.2	24445.7	22105.7	20427.9	23827.6
50°	23356.7	23165.3	21546.4	19333.9	21070.5	24313.3	25647.7	25883.2	22836.6	20138.4	23430.2
52.5°	23435.1	23381.2	21884.9	19613.5	21364.9	24779.3	26918.3	26977.2	23665.7	20746.7	23435.1
55°	24838.2	24651.8	22856.3	19961.8	21149.0	24234.8	26108.8	26005.8	23386.1	20378.8	23866.9
57.5°	22728.7	22851.4	21512.1	18583.3	18509.7	19701.8	20526.0	20270.9	19515.4	18392.0	22203.8
60°	18338.0	18686.3	18813.9	15541.7	13966.9	13353.7	13108.4	12657.0	12784.6	15110.0	19505.6
62.5°	15728.1	15708.5	16508.1	14089.5	9149.4	7868.9	7751.2	7854.2	9326.0	14874.5	19103.3
65°	12470.6	12804.2	13049.5	11940.8	7241.0	5842.8	5837.9	6490.4	8070.1	12431.4	15423.9
67.5°	7918.0	8354.6	8658.8	7638.4	4842.1	4160.1	4047.3	4832.2	5592.6	8153.5	9286.7
70°	4464.3	4670.3	4807.7	4405.4	3080.9	2158.6	2031.0	2217.4	3380.1	5278.7	5504.3
72.5°	1721.9	1815.2	2001.6	2016.3	1162.7	696.6	564.2	677.0	1422.7	2089.9	1991.8
75°	264.9	284.5	402.3	480.8	333.6	255.1	269.8	279.6	397.4	539.6	451.3
77.5°	127.6	127.6	122.6	142.3	166.8	181.5	196.2	215.9	235.5	260.0	250.2
80°	83.4	83.4	83.4	98.1	122.6	147.2	166.8	176.6	186.4	206.0	196.2
82.5°	54.0	54.0	54.0	73.6	98.1	122.6	132.5	157.0	176.6	206.0	191.3
85°	29.4	29.4	29.4	49.1	73.6	103.0	98.1	78.5	44.2	4.9	9.8
87.5°	9.8	9.8	9.8	9.8	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°	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3
2.5°	15423.9	15198.3	15178.6	14717.5	14305.4	14104.3	13942.4	13491.0	13589.1	13329.1	13324.2
5°	14678.2	14217.1	13471.4	12858.2	12244.9	12122.3	11587.6	11121.5	11136.2	10802.6	10861.5
7.5°	13338.9	13020.1	12112.5	11150.9	10336.6	9757.7	9252.4	8948.2	8560.7	8428.2	8359.5
10°	12490.2	12097.8	11077.4	9870.5	8958.0	8649.0	8163.3	7893.5	7496.1	7299.9	7162.5
12.5°	12117.4	11543.4	10267.9	9041.4	8433.1	8114.2	7702.2	7211.6	6740.6	6559.1	6308.9
15°	12156.6	11469.8	10032.4	8707.8	7976.9	7358.7	6990.8	6446.3	5965.5	5646.6	5465.1
17.5°	12750.2	11916.3	10140.3	8452.7	7402.9	6627.8	5906.6	5317.9	4935.3	4694.9	4636.0
20°	14153.3	13020.1	10321.9	8040.7	6828.9	5862.5	4974.5	4361.3	4066.9	4062.0	4066.9
22.5°	15320.9	14197.5	10689.8	7795.4	6254.9	4881.3	3998.3	3802.0	3743.1	3865.8	3880.5
25°	16895.7	15522.0	11322.7	7667.8	5725.1	4160.1	3615.6	3542.0	3537.1	3694.1	3699.0
27.5°	18509.7	16679.8	11700.4	7295.0	5185.5	3787.3	3385.0	3370.3	3448.8	3615.6	3600.9
30°	19608.6	17651.2	12382.3	6848.5	4547.7	3458.6	3291.8	3311.4	3419.4	3546.9	3566.5
32.5°	20889.0	18607.8	12558.9	6603.2	4155.2	3183.9	3066.1	3110.3	3247.7	3448.8	3556.7
35°	22355.9	19284.8	12828.7	6269.6	4008.1	2972.9	2914.1	2963.1	3129.9	3262.4	3380.1
37.5°	23440.0	20481.8	12877.8	6009.6	3846.2	2855.2	2762.0	2923.9	3022.0	3208.4	3267.3
40°	24244.6	21350.2	13005.4	5847.7	3718.6	2703.1	2703.1	2811.0	2943.5	3115.2	3232.9
42.5°	24759.7	21983.0	13098.6	5700.6	3473.3	2659.0	2634.4	2742.4	2919.0	3085.8	3139.7
44°	25073.7	22252.8	13005.4	5563.2	3404.6	2605.0	2605.0	2698.2	2835.6	3031.8	3095.6
45°	25152.2	22591.3	12799.3	5558.3	3321.2	2541.2	2531.4	2708.0	2801.2	3041.6	3080.9
47.5°	25456.3	23008.3	12823.8	5401.3	3120.1	2389.1	2560.8	2639.3	2722.7	2933.7	3066.1
50°	25446.5	23268.3	12769.9	5170.7	2972.9	2217.4	2502.0	2590.3	2673.7	2889.5	2943.5
52.5°	25515.2	24239.7	13265.4	4802.8	2708.0	1996.7	2305.7	2502.0	2605.0	2786.5	2899.3
55°	25480.9	24794.1	13755.9	4528.1	2335.2	1864.2	2138.9	2369.5	2516.7	2708.0	2762.0
57.5°	23273.3	21914.3	12730.6	4013.0	1932.9	1707.2	1903.5	2232.2	2418.6	2614.8	2683.5
60°	19015.0	16890.8	10498.5	2953.3	1589.5	1569.9	1771.0	2188.0	2266.5	2438.2	2555.9
62.5°	17572.7	14815.6	8325.2	2256.7	1358.9	1437.4	1633.6	1977.0	2099.7	2310.6	2418.6
65°	13751.0	9841.1	5156.0	1525.7	1197.0	1290.2	1476.7	1731.8	1932.9	2129.1	2256.7
67.5°	8143.7	5376.8	2551.0	1069.5	1044.9	1143.1	1334.4	1525.7	1756.3	1972.1	2035.9
70°	4434.9	2644.2	1089.1	814.4	888.0	976.3	1162.7	1295.1	1515.9	1682.7	1790.6
72.5°	1422.7	804.6	544.5	603.4	677.0	780.0	892.9	1054.8	1211.7	1309.9	1398.2
75°	343.4	338.5	387.6	421.9	490.6	569.1	662.3	745.7	868.3	961.5	1040.0
77.5°	240.4	260.0	299.3	348.3	372.8	402.3	461.1	524.9	578.9	647.6	696.6
80°	186.4	201.1	230.6	255.1	279.6	304.2	333.6	358.1	392.5	436.6	461.1
82.5°	176.6	186.4	215.9	230.6	220.8	215.9	235.5	245.3	250.2	264.9	279.6
85°	14.7	0.0	9.8	34.3	83.4	122.6	132.5	132.5	127.6	137.4	137.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	19.6	14.7
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°	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3
2.5°	13265.4	13098.6	13162.3	13240.8	13128.0	12868.0	12936.7	12907.2	13172.2	13152.5	13417.4
5°	11121.5	10861.5	10890.9	11273.6	11150.9	11283.4	11018.5	10984.2	11033.2	11057.7	11101.9
7.5°	8511.6	8477.3	8771.6	9095.4	9247.5	9090.5	8830.5	8771.6	8717.7	8609.7	8855.0
10°	6946.7	6956.5	6936.8	7182.1	7353.8	7319.5	7162.5	7142.9	7039.9	7000.6	7138.0
12.5°	6201.0	6068.5	6004.7	5926.2	6058.7	6147.0	6078.3	6029.3	6034.2	6083.2	6102.9
15°	5479.8	5396.4	5259.0	5170.7	5234.5	5190.4	5165.8	5264.0	5239.4	5229.6	5347.4
17.5°	4670.3	4739.0	4729.2	4631.1	4714.5	4680.2	4675.3	4606.6	4513.4	4444.7	4483.9
20°	4135.6	4263.2	4361.3	4366.2	4410.3	4405.4	4331.8	4120.9	4052.2	4037.5	4047.3
22.5°	3944.3	4013.0	4130.7	4297.5	4297.5	4219.0	4130.7	3885.4	3821.6	3753.0	3723.5
25°	3792.2	3924.7	4076.7	4096.4	4174.9	4101.3	3959.0	3836.4	3703.9	3610.7	3610.7
27.5°	3713.7	3860.9	3973.7	4008.1	4116.0	4057.1	3909.9	3753.0	3596.0	3591.1	3507.7
30°	3679.4	3816.7	3890.3	3973.7	4022.8	3929.6	3885.4	3718.6	3561.6	3522.4	3385.0
32.5°	3576.3	3772.6	3909.9	3890.3	3929.6	3890.3	3826.5	3689.2	3512.6	3424.3	3409.6
35°	3458.6	3654.8	3802.0	3905.0	3929.6	3846.2	3806.9	3620.5	3380.1	3336.0	3183.9
37.5°	3394.8	3512.6	3694.1	3860.9	3895.2	3851.1	3718.6	3527.3	3286.9	3237.8	3105.4
40°	3316.3	3468.4	3610.7	3748.1	3851.1	3743.1	3591.1	3404.6	3296.7	3149.5	3110.3
42.5°	3257.5	3429.2	3546.9	3699.0	3816.7	3674.5	3497.9	3370.3	3218.2	3120.1	3007.3
44°	3237.8	3394.8	3473.3	3659.7	3757.9	3649.9	3502.8	3370.3	3193.7	3105.4	3007.3
45°	3169.2	3385.0	3468.4	3635.2	3718.6	3630.3	3443.9	3311.4	3183.9	3076.0	2972.9
47.5°	3100.5	3247.7	3389.9	3522.4	3581.3	3551.8	3394.8	3232.9	3080.9	3017.1	2919.0
50°	3080.9	3228.0	3360.5	3483.1	3551.8	3493.0	3350.7	3193.7	3017.1	2914.1	2830.7
52.5°	2982.7	3164.3	3311.4	3350.7	3439.0	3404.6	3296.7	3125.0	2958.2	2869.9	2801.2
55°	2840.5	3031.8	3232.9	3282.0	3409.6	3355.6	3193.7	3031.8	2889.5	2757.1	2668.8
57.5°	2786.5	2972.9	3169.2	3232.9	3311.4	3223.1	3183.9	3012.2	2786.5	2717.8	2580.5
60°	2649.1	2884.6	3046.5	3193.7	3198.6	3174.1	3105.4	2909.2	2722.7	2595.2	2497.1
62.5°	2541.2	2762.0	2889.5	3026.9	3110.3	3041.6	2972.9	2791.4	2590.3	2448.0	2335.2
65°	2384.2	2585.4	2693.3	2776.7	2869.9	2860.1	2742.4	2609.9	2399.0	2286.1	2178.2
67.5°	2143.8	2320.5	2467.6	2546.1	2605.0	2590.3	2502.0	2408.8	2192.9	2080.1	2001.6
70°	1854.4	2035.9	2129.1	2173.3	2232.2	2261.6	2192.9	2148.8	1957.4	1810.3	1736.7
72.5°	1491.4	1609.1	1746.5	1785.7	1810.3	1829.9	1829.9	1790.6	1594.4	1535.5	1408.0
75°	1098.9	1192.1	1295.1	1295.1	1339.3	1344.2	1354.0	1329.5	1182.3	1103.8	1074.4
77.5°	745.7	814.4	897.8	932.1	961.5	956.6	951.7	883.0	804.6	770.2	740.8
80°	485.7	554.4	593.6	637.8	667.2	662.3	672.1	623.0	588.7	529.8	539.6
82.5°	289.4	343.4	382.7	436.6	436.6	451.3	451.3	436.6	402.3	372.8	372.8
85°	137.4	181.5	206.0	240.4	260.0	264.9	235.5	201.1	166.8	152.1	166.8
87.5°	24.5	34.3	49.1	44.2	54.0	49.1	49.1	49.1	49.1	39.2	44.2
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°	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3	14987.3
2.5°	13319.3	13564.6	13736.3	14020.9	14511.4	14903.9	15306.2	15605.4	15639.8	15728.1
5°	11263.8	11396.2	11832.9	12401.9	12804.2	13466.5	13893.3	14668.4	14957.9	15266.9
7.5°	8796.2	9012.0	9595.8	9978.5	10861.5	11690.6	12549.1	13505.7	13888.4	13932.6
10°	7417.6	7731.6	8129.0	8742.2	9223.0	10145.3	11214.7	12279.3	12706.1	12779.7
12.5°	6514.9	6917.2	7447.0	7888.6	8349.7	9154.3	10179.6	11494.4	12048.7	12382.3
15°	5646.6	6063.6	6647.4	7260.6	7667.8	8629.4	9836.2	11317.7	12038.9	12333.3
17.5°	4753.7	5141.3	5622.1	6284.4	7103.6	8182.9	9782.2	11906.4	12696.3	13039.7
20°	3988.4	4204.3	4763.6	5445.5	6470.8	7726.7	9801.8	12774.8	13932.6	14084.6
22.5°	3689.2	3738.2	3959.0	4586.9	5710.4	7260.6	10150.2	14006.1	15320.9	15821.3
25°	3458.6	3448.8	3507.7	3929.6	5156.0	7079.1	10493.6	15139.4	16861.3	17405.9
27.5°	3331.1	3232.9	3237.8	3635.2	4763.6	6784.8	10935.1	16439.4	18607.8	18848.2
30°	3267.3	3247.7	3188.8	3350.7	4336.8	6343.2	11008.7	17719.9	19638.0	19986.3
32.5°	3228.0	3036.7	2963.1	3022.0	3934.5	5862.5	11283.4	18563.7	20913.5	20761.5
35°	3031.8	2860.1	2811.0	2869.9	3649.9	5592.6	11101.9	19299.5	21870.2	22125.3
37.5°	2958.2	2806.1	2708.0	2659.0	3385.0	5367.0	11008.7	20432.8	22797.4	23410.6
40°	2889.5	2727.6	2609.9	2560.8	3179.0	5067.7	10979.2	21306.0	23866.9	24234.8
42.5°	2811.0	2708.0	2575.6	2487.3	2928.8	4768.5	10640.7	21575.8	24195.5	24592.9
44°	2786.5	2629.5	2492.2	2462.7	2830.7	4616.4	10572.1	21821.1	24480.1	25083.5
45°	2762.0	2614.8	2457.8	2418.6	2796.3	4533.0	10478.9	21880.0	24951.0	25063.9
47.5°	2693.3	2600.1	2448.0	2340.1	2722.7	4351.5	10199.2	21546.4	24470.3	24489.9
50°	2639.3	2531.4	2374.4	2163.5	2624.6	4199.4	10326.8	21423.8	23312.5	23356.7
52.5°	2580.5	2418.6	2330.3	1967.2	2462.7	4071.8	10596.6	21978.1	23445.0	23435.1
55°	2511.8	2335.2	2119.3	1800.4	2192.9	3909.9	11249.1	23072.1	24671.4	24838.2
57.5°	2403.9	2251.8	1942.7	1653.3	1883.8	3600.9	11038.1	20977.3	22699.3	22728.7
60°	2261.6	2119.3	1761.2	1540.4	1545.3	2840.5	9870.5	16346.2	17911.2	18338.0
62.5°	2124.2	2045.7	1609.1	1378.5	1314.8	2261.6	8344.8	13584.2	15374.9	15728.1
65°	1962.3	1771.0	1476.7	1255.9	1128.3	1584.6	5911.5	10150.2	11994.8	12470.6
67.5°	1756.3	1550.2	1300.0	1103.8	966.4	1059.7	3051.4	5769.3	7638.4	7918.0
70°	1535.5	1344.2	1094.0	932.1	780.0	731.0	1344.2	2752.2	4174.9	4464.3
72.5°	1260.8	1084.2	873.2	735.9	583.8	505.3	451.3	735.9	1481.6	1721.9
75°	912.5	789.8	657.4	524.9	412.1	323.8	264.9	220.8	245.3	264.9
77.5°	672.1	574.0	485.7	372.8	289.4	230.6	181.5	137.4	132.5	127.6
80°	524.9	466.1	387.6	299.3	225.7	171.7	127.6	93.2	83.4	83.4
82.5°	412.1	382.7	318.9	245.3	186.4	137.4	93.2	63.8	54.0	54.0
85°	157.0	157.0	230.6	201.1	142.3	98.1	63.8	34.3	29.4	29.4
87.5°	39.2	39.2	39.2	39.2	34.3	29.4	29.4	14.7	9.8	9.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)