

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: P942966

Luminaire Tested: **GALN-SB7B-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942966
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7B-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

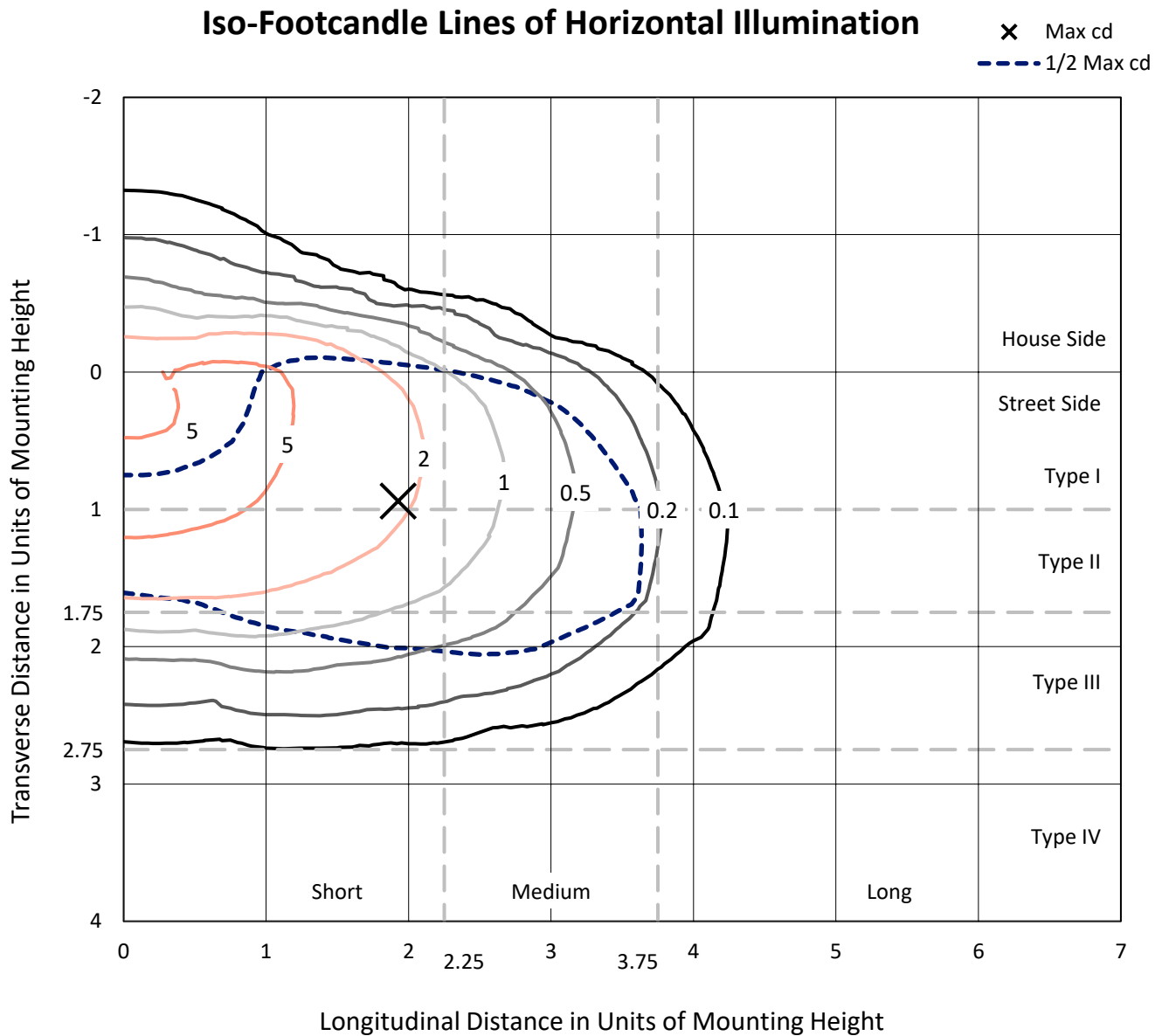
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25945 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 256.7
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

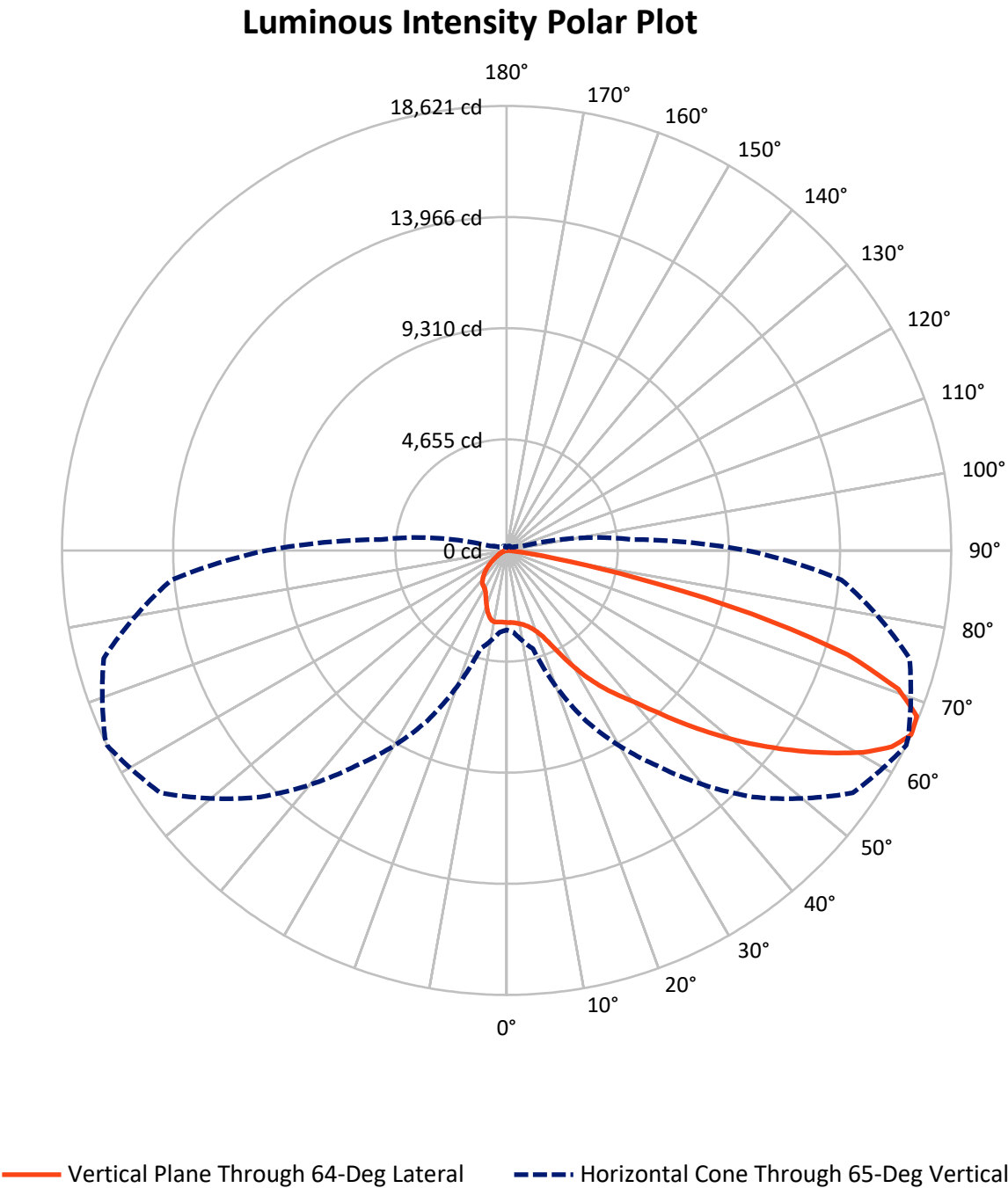


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Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Short - N/A

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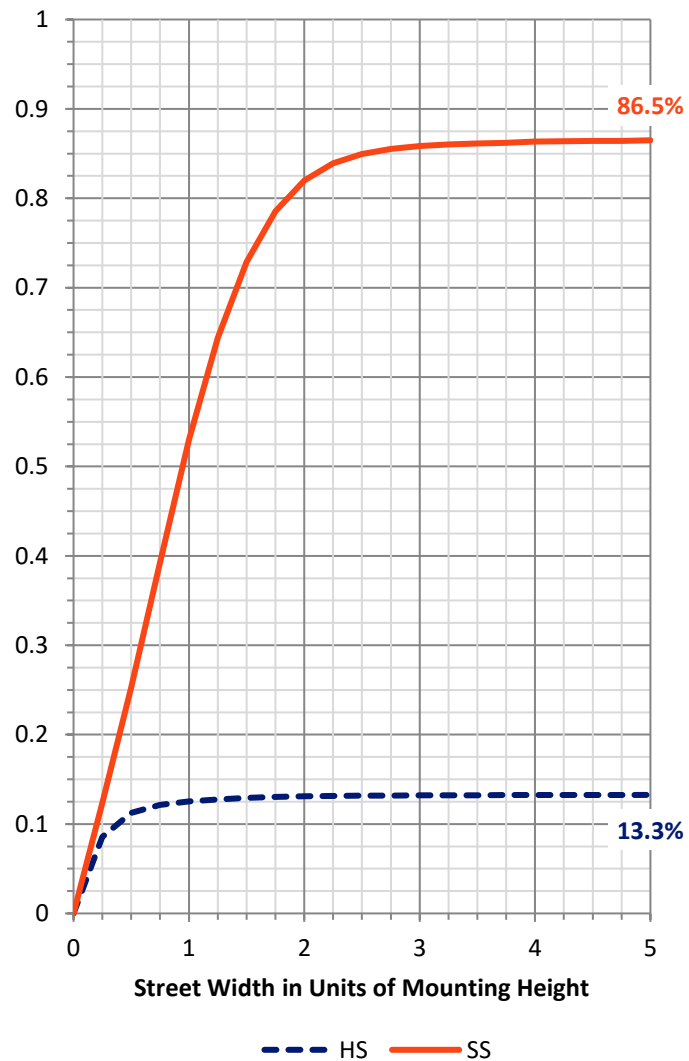
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3469.6	0.0	3469.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	22475.4	0.0	22475.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	25945.0	0.0	25945.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.4	1.1
10°-20°	755.1	2.9
20°-30°	1430.9	5.5
30°-40°	2895.5	11.2
40°-50°	4932.5	19.0
50°-60°	6707.8	25.9
60°-70°	6298.9	24.3
70°-80°	2523.6	9.7
80°-90°	122.3	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°	25945.0	100.0
0°-180°	25945.0	100.0

Coefficient of Utilization



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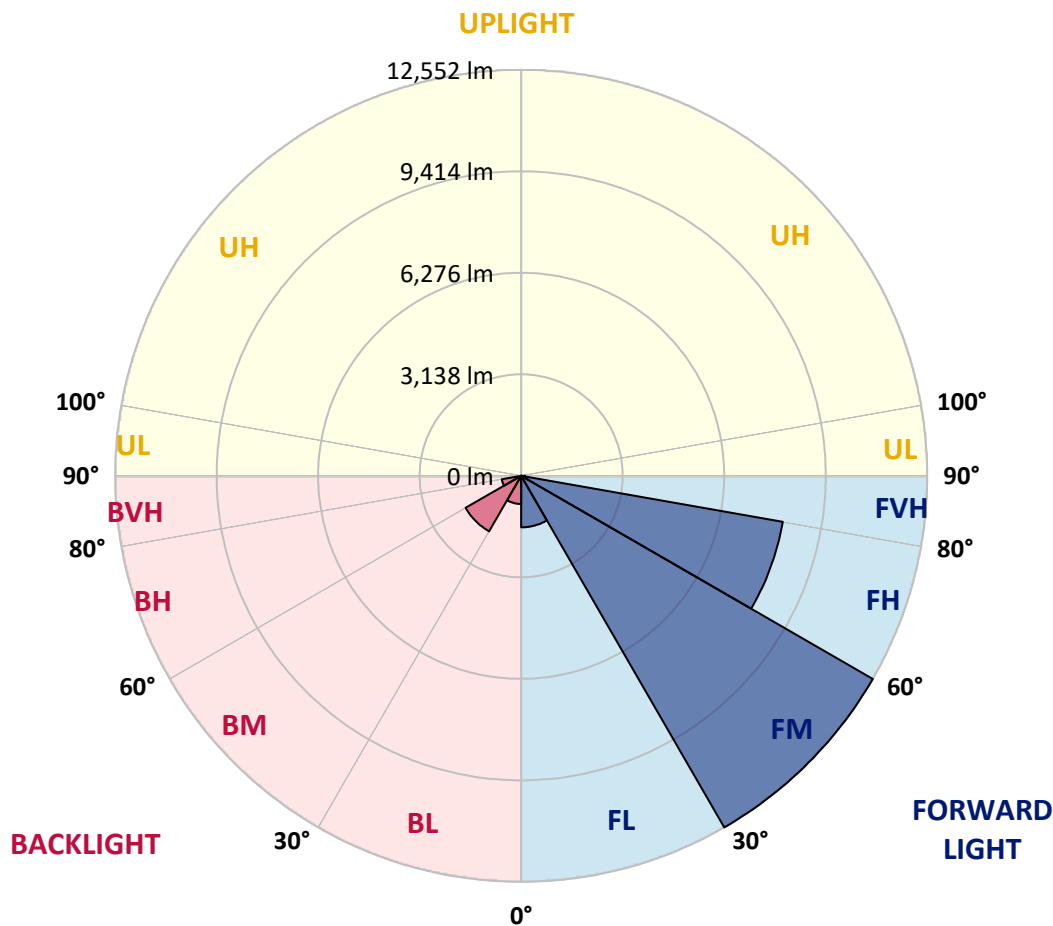
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1593.3	6.1			
FM	(30°-60°)	12552.2	48.4			
FH	(60°-80°)	8213.6	31.7			G4/12000
FVH	(80°-90°)	116.3	0.4			G2/225
BL	(0°-30°)	871.1	3.4	B2/1000		
BM	(30°-60°)	1983.6	7.6	B2/2500		
BH	(60°-80°)	609.0	2.3	B2/1000		G2/1000
BVH	(80°-90°)	6.0	0.0			G0/10
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	3017.7	3017.7	3017.7	3017.7	3017.7	3017.7	3017.7	3017.7	3017.7	3017.7	3017.7
2.5°	3007.2	3028.1	3022.9	3017.7	3015.9	3019.4	3021.2	3019.4	3019.4	3019.4	3021.2
5°	2949.8	2967.2	2967.2	2979.4	2996.8	3017.7	3033.3	3036.8	3040.3	3045.5	3043.8
7.5°	2840.3	2854.2	2864.6	2904.6	2948.1	3003.8	3050.7	3075.1	3078.5	3097.7	3104.6
10°	2765.5	2782.9	2800.3	2842.0	2904.6	2988.1	3068.1	3127.2	3135.9	3181.2	3202.0
12.5°	2762.0	2779.4	2802.0	2847.2	2920.3	3009.0	3106.4	3191.6	3207.3	3273.3	3316.8
15°	2798.5	2819.4	2840.3	2895.9	2974.2	3082.0	3186.4	3292.5	3308.1	3402.1	3449.0
17.5°	2873.3	2901.1	2916.8	2972.5	3055.9	3175.9	3313.4	3435.1	3449.0	3558.6	3617.7
20°	3021.2	3054.2	3059.4	3104.6	3186.4	3315.1	3478.6	3629.9	3647.3	3772.5	3838.6
22.5°	3327.3	3374.2	3332.5	3355.1	3428.1	3556.9	3734.3	3925.6	3949.9	4092.6	4151.7
25°	3866.4	3932.5	3824.7	3786.4	3817.7	3951.7	4174.3	4416.1	4443.9	4558.7	4588.3
27.5°	4925.7	4840.5	4677.0	4516.9	4423.0	4499.6	4750.0	5049.2	5084.0	5195.3	5160.5
30°	6089.3	6014.5	5793.6	5438.8	5216.1	5204.0	5435.3	5769.2	5809.2	5915.3	5809.2
32.5°	7254.6	7183.3	6943.3	6506.7	6120.6	5929.2	6089.3	6459.7	6480.6	6548.4	6391.9
35°	8400.8	8327.7	8087.7	7640.7	7165.9	6731.1	6699.8	7117.2	7124.1	7195.5	6962.4
37.5°	9553.9	9493.1	9237.4	8799.1	8331.2	7731.2	7440.7	7739.9	7748.5	7818.1	7576.4
40°	10376.6	10402.7	10227.0	9887.9	9486.1	8830.4	8272.1	8402.5	8350.3	8466.9	8322.5
42.5°	11082.8	11135.0	10981.9	10811.4	10578.4	10000.9	9301.7	9279.1	9195.6	9258.3	9108.7
45°	11693.3	11736.7	11599.3	11559.3	11554.1	11148.9	10427.1	10291.4	10174.9	10162.7	9983.5
47.5°	11917.6	12001.1	12060.3	12194.2	12455.1	12284.6	11590.6	11380.2	11249.7	11154.1	10870.6
50°	12002.9	12091.6	12293.3	12682.9	13300.4	13373.4	12749.0	12512.5	12352.5	12178.5	11761.1
52.5°	11888.1	12046.3	12317.7	12973.4	13869.1	14246.5	13860.4	13653.4	13470.8	13187.3	12568.1
55°	11211.5	11369.8	11924.6	12969.9	14152.6	14858.8	14911.0	14818.8	14613.5	14166.5	13220.4
57.5°	9785.3	10020.1	10898.4	12528.1	14147.4	15385.8	15940.6	16006.7	15777.1	15137.1	13733.5
60°	7809.4	8127.7	9199.1	11548.9	13710.8	15671.0	16843.3	17173.8	16930.3	16093.7	14149.1
62.5°	5449.2	5817.9	6831.9	10014.8	12712.5	15465.8	17502.5	18113.0	17928.6	16949.4	14309.2
65°	3323.8	3442.1	4259.5	7880.7	11014.9	14606.6	17706.0	18620.9	18560.0	17472.9	14072.6
67.5°	2214.1	2313.3	2548.1	5404.0	8550.4	12889.9	17219.0	18532.2	18549.6	17387.7	13206.4
70°	1334.0	1419.3	1572.3	3142.9	5541.4	10202.7	15711.0	17401.6	17502.5	16248.5	11564.6
72.5°	549.6	607.0	746.2	1424.5	2869.8	6475.4	12510.7	14940.5	15175.3	13662.1	8875.6
75°	311.3	340.9	438.3	714.8	1245.3	3017.7	7578.1	10606.2	10952.3	9416.5	5339.6
77.5°	207.0	220.9	283.5	462.7	700.9	1029.7	3238.6	5525.7	6186.7	5143.1	2311.5
80°	139.1	151.3	194.8	309.6	455.7	441.8	1031.4	2047.1	2518.5	1767.1	563.5
82.5°	93.9	95.7	139.1	203.5	288.7	213.9	304.4	636.6	800.1	511.4	213.9
85°	53.9	52.2	102.6	118.3	128.7	88.7	92.2	191.3	250.5	215.7	121.8
87.5°	7.0	10.4	40.0	31.3	17.4	19.1	19.1	33.0	48.7	52.2	26.1
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°	3017.7	3017.7	3017.7	3017.7	3017.7	3017.7	3017.7	3017.7	3017.7	3017.7	3017.7
2.5°	3021.2	3019.4	3014.2	3009.0	2996.8	2989.8	2993.3	2989.8	2988.1	2989.8	2996.8
5°	3043.8	3038.5	3024.6	3007.2	2982.9	2953.3	2934.2	2906.4	2880.3	2864.6	2868.1
7.5°	3104.6	3099.4	3080.3	3031.6	2953.3	2829.8	2716.8	2617.6	2542.8	2499.4	2501.1
10°	3202.0	3193.3	3163.8	3055.9	2850.7	2581.1	2356.7	2170.6	2048.9	1991.5	1986.3
12.5°	3316.8	3306.4	3254.2	3033.3	2655.9	2235.0	1925.4	1718.4	1605.4	1554.9	1549.7
15°	3452.5	3438.6	3336.0	2925.5	2372.4	1852.3	1568.8	1414.0	1341.0	1295.8	1297.5
17.5°	3621.2	3596.9	3396.8	2763.7	2064.5	1560.1	1349.7	1233.2	1168.8	1125.3	1121.8
20°	3840.4	3800.4	3445.5	2570.7	1781.0	1375.8	1201.9	1104.5	1055.8	1017.5	1010.5
22.5°	4146.5	4089.1	3504.7	2362.0	1581.0	1248.8	1092.3	1021.0	981.0	937.5	930.5
25°	4525.6	4457.8	3577.7	2168.9	1443.6	1139.2	1012.3	953.1	906.2	855.7	850.5
27.5°	5056.1	4934.4	3664.7	2010.6	1325.3	1045.3	939.2	873.1	819.2	777.5	768.8
30°	5647.5	5447.5	3741.2	1915.0	1217.5	958.4	843.6	777.5	727.0	697.5	692.2
32.5°	6207.5	5936.2	3791.7	1873.2	1120.1	859.2	739.2	667.9	629.6	620.9	626.1
35°	6736.3	6378.0	3786.4	1833.2	1033.1	760.1	636.6	563.5	534.0	539.2	539.2
37.5°	7345.0	6849.3	3749.9	1770.6	961.8	669.6	547.9	483.5	457.4	459.2	466.1
40°	8052.9	7393.7	3727.3	1652.3	883.6	586.1	474.8	422.6	403.5	396.6	394.8
42.5°	8807.8	7920.7	3730.8	1518.4	786.2	511.4	424.4	380.9	363.5	358.3	356.6
45°	9566.1	8423.4	3736.0	1379.3	683.5	454.0	387.9	351.3	340.9	333.9	333.9
47.5°	10279.2	8851.3	3638.6	1229.7	582.7	410.5	358.3	333.9	325.2	316.6	316.6
50°	10943.6	9136.5	3403.8	1055.8	502.7	375.7	335.7	318.3	309.6	300.9	300.9
52.5°	11460.2	9181.7	3015.9	876.6	447.0	349.6	321.8	306.1	295.7	287.0	285.2
55°	11689.8	8898.2	2464.6	709.6	403.5	327.0	307.9	292.2	280.0	271.3	269.6
57.5°	11630.7	8301.6	1921.9	570.5	361.8	304.4	290.5	280.0	266.1	252.2	250.5
60°	11340.2	7503.3	1448.8	474.8	323.5	280.0	271.3	262.6	243.5	222.6	219.2
62.5°	10837.5	6499.7	1033.1	393.1	281.8	252.2	248.7	241.8	213.9	175.7	172.2
65°	10068.8	5280.5	695.7	327.0	241.8	220.9	222.6	210.5	173.9	130.4	127.0
67.5°	8945.2	3861.2	445.3	267.9	201.8	184.4	186.1	179.1	147.8	111.3	106.1
70°	7513.7	2556.8	290.5	203.5	161.8	142.6	153.1	154.8	125.2	90.4	87.0
72.5°	5508.3	1509.7	203.5	151.3	118.3	99.1	125.2	128.7	100.9	67.8	64.4
75°	3139.4	716.6	153.1	109.6	73.1	69.6	97.4	97.4	69.6	45.2	41.7
77.5°	1318.4	299.2	107.8	71.3	41.7	40.0	66.1	60.9	34.8	20.9	20.9
80°	380.9	133.9	57.4	34.8	17.4	15.7	26.1	19.1	8.7	3.5	3.5
82.5°	149.6	59.1	22.6	13.9	7.0	7.0	3.5	0.0	0.0	0.0	0.0
85°	88.7	24.4	10.4	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	22.6	5.2	3.5	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

(END OF REPORT)