

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: P941265

Luminaire Tested: **GALN-SB4D-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941265
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB4D-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

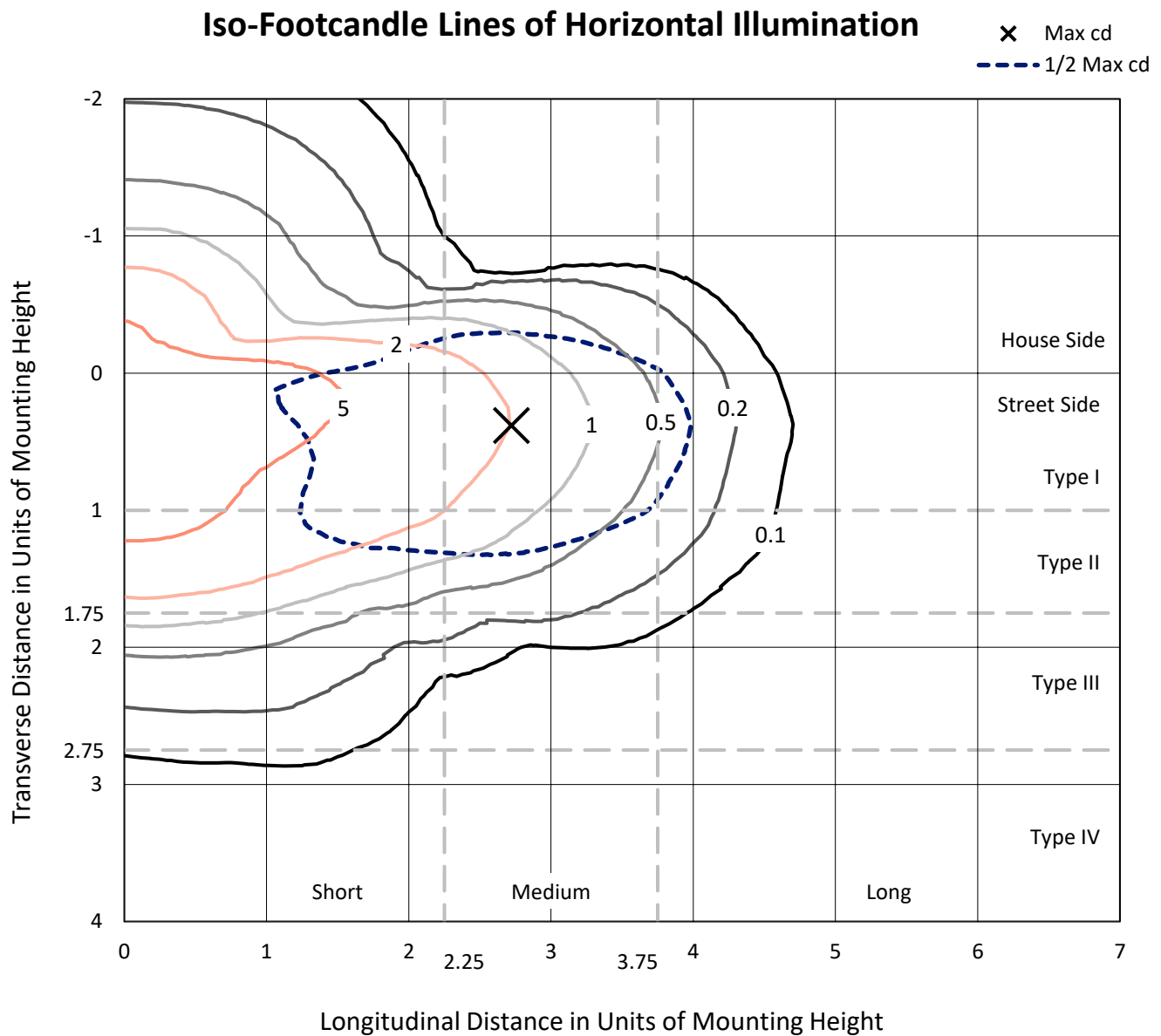
Lumens per Lamp: N/A
Luminaire Lumens: 33382 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

Input Watts (W): 293.6
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



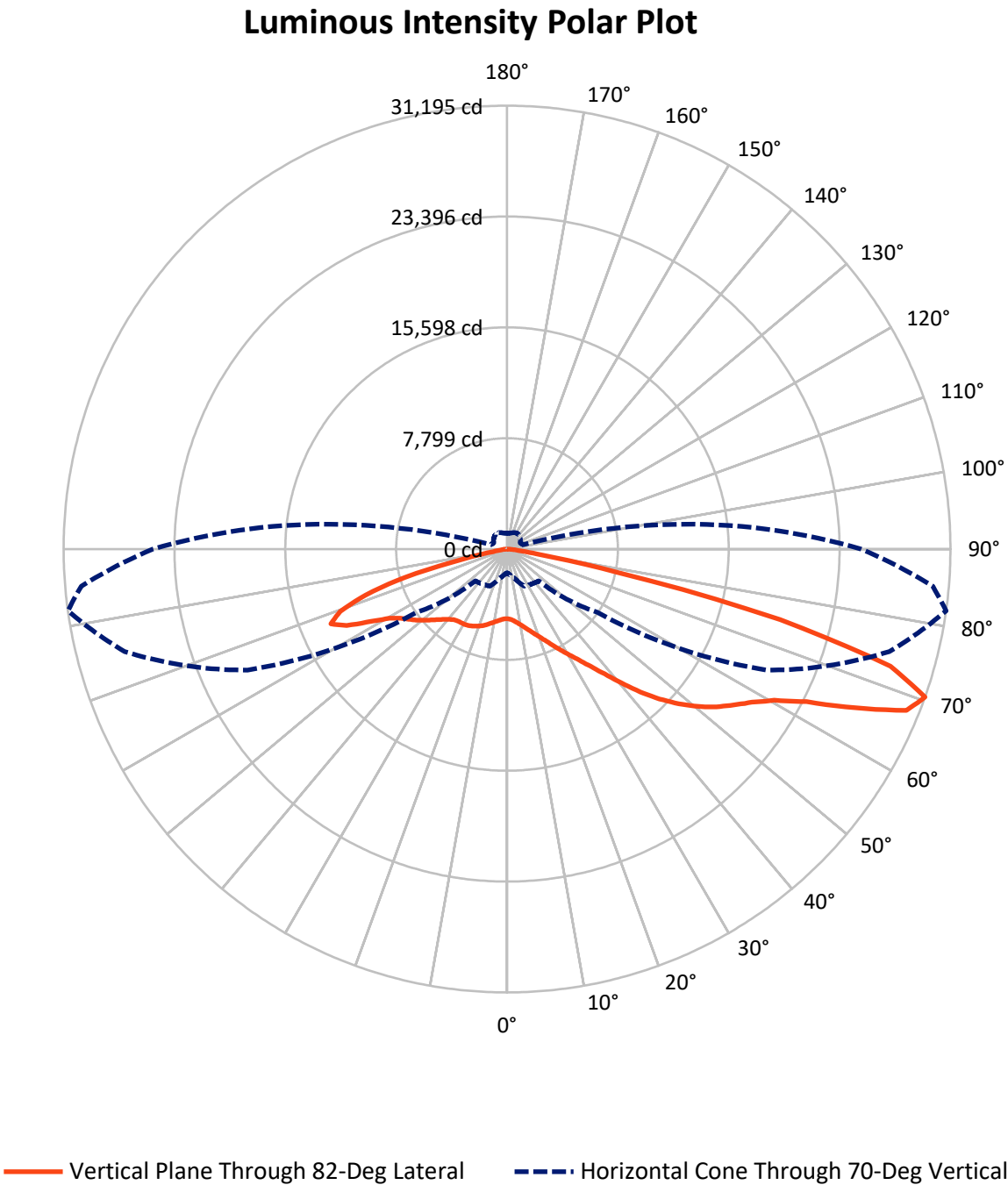
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CATALOG NUMBER: GALN-SB4D-722-U-T2



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
Type II - Medium - N/A

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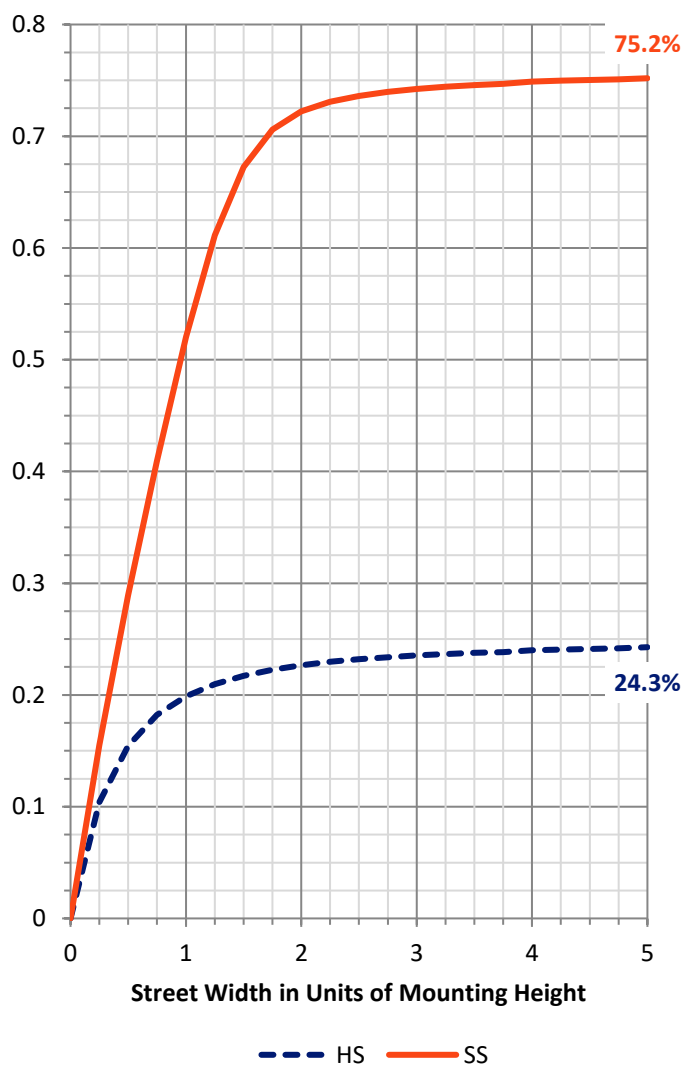
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8229.5	0.0	8229.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	25152.5	0.0	25152.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	33382.0	0.0	33382.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.1	1.4
10°-20°	1327.6	4.0
20°-30°	2221.0	6.7
30°-40°	3469.8	10.4
40°-50°	5526.0	16.6
50°-60°	7690.2	23.0
60°-70°	8044.3	24.1
70°-80°	4204.4	12.6
80°-90°	436.6	1.3
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°	33382.0	100.0
0°-180°	33382.0	100.0

Coefficient of Utilization



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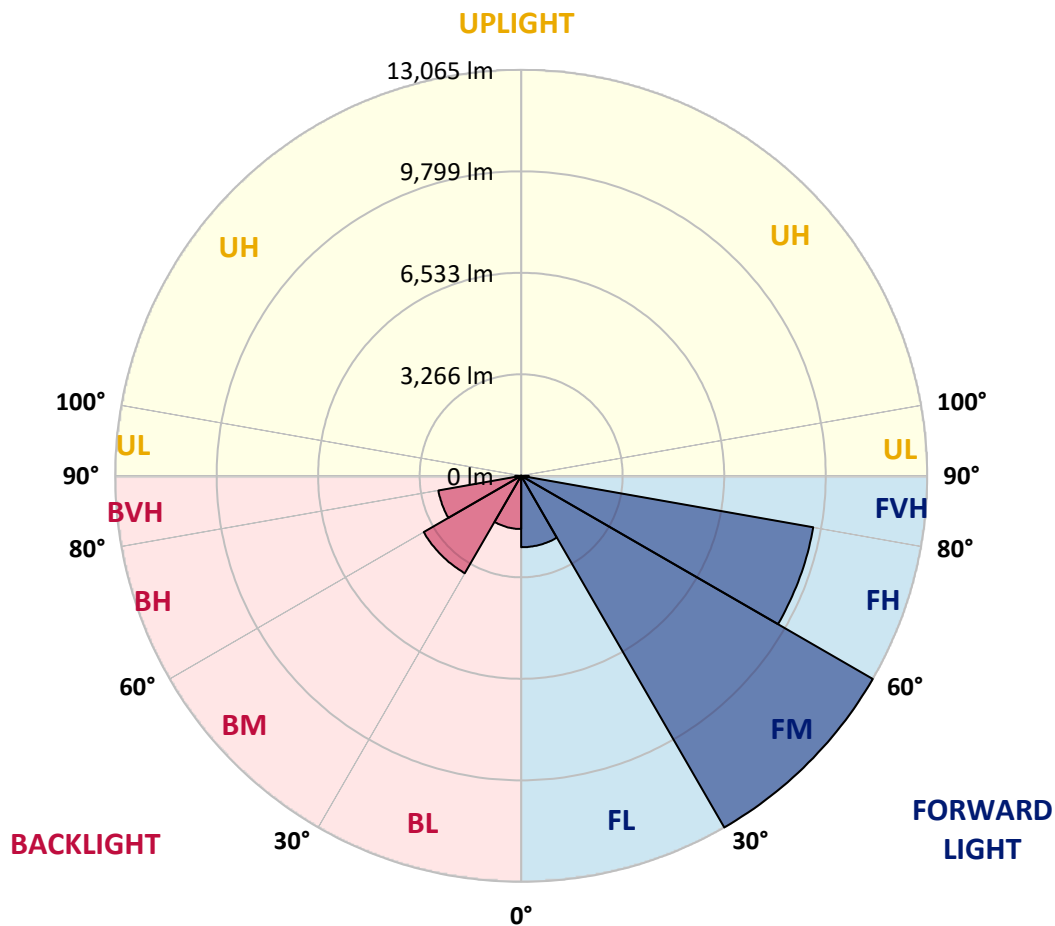
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2298.7	6.9			
FM	(30°-60°)	13065.4	39.1			
FH	(60°-80°)	9544.0	28.6			G4/12000
FVH	(80°-90°)	244.4	0.7			G3/500
BL	(0°-30°)	1712.0	5.1	B3/2500		
BM	(30°-60°)	3620.6	10.8	B3/5000		
BH	(60°-80°)	2704.6	8.1	B4/5000		G4/5000
BVH	(80°-90°)	192.2	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	4894.2	4894.2	4894.2	4894.2	4894.2	4894.2	4894.2	4894.2	4894.2	4894.2	4894.2
2.5°	5011.1	5039.5	5030.6	5021.8	5021.8	5009.4	5007.6	4989.9	4975.7	4952.7	4947.4
5°	5074.9	5105.0	5101.5	5108.6	5131.6	5136.9	5142.2	5131.6	5103.2	5074.9	5062.5
7.5°	5018.2	5051.9	5062.5	5105.0	5175.9	5239.6	5287.5	5306.9	5280.4	5239.6	5220.1
10°	4826.9	4864.1	4901.3	5002.3	5128.0	5278.6	5406.1	5482.3	5477.0	5438.0	5404.4
12.5°	4439.0	4478.0	4557.7	4754.3	4984.6	5250.3	5487.6	5647.0	5702.0	5673.6	5615.2
15°	4129.0	4162.7	4222.9	4424.8	4724.2	5128.0	5517.7	5827.7	5967.7	5951.7	5880.9
17.5°	4120.1	4134.3	4171.5	4267.2	4497.4	4936.7	5485.8	6004.9	6272.3	6270.6	6182.0
20°	4276.0	4281.3	4302.6	4322.1	4453.2	4791.5	5404.4	6151.9	6614.2	6614.2	6518.5
22.5°	4492.1	4488.6	4509.8	4492.1	4555.9	4779.1	5353.0	6281.2	6995.0	7023.4	6902.9
25°	4816.3	4798.6	4793.3	4752.5	4764.9	4894.2	5409.7	6428.2	7446.7	7505.2	7354.6
27.5°	5248.5	5220.1	5200.7	5106.8	5074.9	5131.6	5583.3	6605.3	7949.8	8050.8	7859.4
30°	5811.8	5760.4	5732.1	5569.1	5454.0	5462.8	5845.4	6840.9	8475.9	8638.8	8396.2
32.5°	6580.5	6500.8	6424.7	6157.2	5946.4	5877.3	6183.8	7166.9	9046.2	9306.6	8994.9
35°	7441.4	7377.6	7296.2	6883.4	6559.3	6399.9	6640.8	7622.1	9714.0	10126.8	9721.1
37.5°	8270.4	8215.5	8254.5	7698.3	7280.2	7048.2	7239.5	8233.2	10537.7	11147.1	10631.6
40°	9127.7	9085.2	9090.5	8559.1	8072.0	7811.6	7965.7	9000.2	11481.8	12360.4	11726.3
42.5°	10059.5	10027.6	9921.3	9450.1	8902.8	8660.1	8801.8	9885.9	12495.0	13742.1	12927.3
45°	11102.8	11083.3	10984.1	10443.8	9816.8	9544.0	9735.3	10863.6	13513.6	15042.2	14133.5
47.5°	12004.4	12020.3	12007.9	11552.7	10902.6	10502.3	10730.8	11883.9	14461.2	16264.5	15290.2
50°	12438.4	12521.6	12643.8	12502.1	12098.3	11690.9	11735.1	12868.8	15364.6	17410.5	16399.1
52.5°	12211.6	12369.3	12702.3	12929.0	13084.9	12999.9	12881.2	13846.6	16214.9	18445.0	17447.7
55°	11366.7	11588.1	12140.8	12688.1	13483.5	14101.7	14257.5	14930.6	17043.9	19355.5	18439.7
57.5°	9827.4	10187.0	10683.0	11790.1	13129.2	14634.8	15862.4	16434.5	17922.4	20327.9	19477.7
60°	7188.1	7669.9	8286.3	9933.7	11889.2	14349.6	17228.1	18744.3	19171.2	21587.3	20829.2
62.5°	4600.2	4897.8	5464.6	7016.3	9264.1	12888.3	17646.1	21631.6	21288.0	23652.7	22855.6
65°	3149.4	3340.8	3859.8	4731.3	5988.9	9593.6	16526.6	23796.2	24650.0	26926.2	26320.4
67.5°	2288.6	2433.8	2876.7	3640.1	3902.3	5677.2	12824.5	23697.0	27918.1	30298.8	29356.5
70°	1668.6	1771.3	2143.3	2876.7	3002.4	3158.3	7769.1	20143.7	27847.3	31195.1	30066.8
72.5°	1236.4	1307.3	1557.0	2231.9	2430.3	2132.7	3845.6	14640.1	23929.1	28215.7	27310.6
75°	894.5	947.7	1131.9	1707.6	1944.9	1624.3	1918.4	8555.6	16691.4	19847.9	20007.3
77.5°	683.7	724.5	844.9	1250.6	1557.0	1218.7	1190.3	3935.9	7914.4	7953.3	8399.7
80°	549.1	575.7	641.2	880.4	1193.9	912.2	775.8	1588.9	2501.1	2116.8	2221.3
82.5°	403.9	448.1	542.0	618.2	853.8	628.8	472.9	802.4	951.2	818.4	825.4
85°	230.3	260.4	327.7	442.8	545.6	384.4	271.0	356.0	442.8	363.1	324.2
87.5°	81.5	106.3	115.1	173.6	237.4	159.4	104.5	102.7	145.3	108.1	90.3
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°	4894.2	4894.2	4894.2	4894.2	4894.2	4894.2	4894.2	4894.2	4894.2	4894.2	4894.2
2.5°	4929.6	4920.8	4885.4	4837.5	4787.9	4740.1	4724.2	4690.5	4667.5	4655.1	4669.3
5°	5028.8	5000.5	4917.2	4811.0	4699.4	4578.9	4493.9	4416.0	4359.3	4306.1	4327.4
7.5°	5170.5	5121.0	4977.5	4791.5	4593.1	4392.9	4244.1	4130.8	4054.6	4005.0	4015.6
10°	5335.3	5259.1	5039.5	4761.4	4454.9	4168.0	3992.6	3895.2	3847.4	3820.8	3827.9
12.5°	5524.8	5416.8	5103.2	4692.3	4244.1	3916.4	3796.0	3767.6	3769.4	3771.2	3774.7
15°	5758.6	5608.1	5154.6	4541.7	3969.6	3723.4	3702.1	3748.2	3796.0	3819.0	3817.2
17.5°	6022.6	5810.0	5163.5	4293.7	3700.3	3599.4	3666.7	3765.9	3838.5	3870.4	3877.5
20°	6306.0	6015.5	5099.7	3943.0	3478.9	3498.4	3618.9	3746.4	3826.1	3866.8	3877.5
22.5°	6630.1	6235.1	4947.4	3574.6	3298.2	3388.6	3530.3	3654.3	3737.5	3778.3	3788.9
25°	7000.3	6481.3	4708.2	3264.6	3142.4	3264.6	3406.3	3509.0	3576.3	3613.5	3624.2
27.5°	7411.3	6738.2	4389.4	3018.4	3006.0	3137.0	3254.0	3333.7	3369.1	3397.4	3408.1
30°	7824.0	6972.0	4003.2	2832.4	2887.3	3011.3	3094.5	3130.0	3140.6	3145.9	3158.3
32.5°	8270.4	7173.9	3597.6	2678.3	2773.9	2889.1	2938.7	2954.6	2905.0	2871.3	2882.0
35°	8810.7	7390.0	3200.8	2556.0	2662.3	2761.5	2777.5	2763.3	2704.8	2635.8	2639.3
37.5°	9478.5	7659.3	2883.7	2469.3	2557.8	2623.4	2603.9	2600.3	2605.6	2524.2	2529.5
40°	10296.8	8010.0	2651.7	2401.9	2472.8	2487.0	2432.1	2462.2	2488.7	2364.7	2368.3
42.5°	11205.5	8433.4	2504.7	2355.9	2401.9	2368.3	2283.3	2316.9	2313.4	2150.4	2148.6
45°	12131.9	8893.9	2453.3	2322.2	2336.4	2269.1	2175.2	2184.1	2109.7	1962.6	1968.0
47.5°	13053.0	9388.1	2485.2	2293.9	2254.9	2178.8	2106.1	2067.2	1957.3	1847.5	1847.5
50°	13956.4	9907.1	2602.1	2237.2	2143.3	2099.0	2045.9	1976.8	1859.9	1766.0	1758.9
52.5°	14794.3	10429.7	2733.2	2143.3	2003.4	2030.0	1996.3	1916.6	1801.5	1705.8	1707.6
55°	15587.8	10952.2	2784.6	2014.0	1872.3	1969.7	1950.2	1803.2	1665.1	1587.1	1580.0
57.5°	16452.2	11581.0	2727.9	1849.3	1766.0	1900.7	1826.3	1663.3	1583.6	1525.1	1519.8
60°	17649.7	12567.7	2605.6	1645.6	1665.1	1797.9	1670.4	1603.1	1516.3	1450.7	1447.2
62.5°	19638.9	14408.1	2409.0	1443.6	1546.4	1645.6	1596.0	1528.7	1440.1	1376.3	1376.3
65°	22579.3	16965.9	2038.8	1286.0	1413.5	1496.8	1516.3	1449.0	1356.8	1289.5	1293.1
67.5°	25059.2	18570.8	1542.8	1154.9	1277.1	1376.3	1431.2	1365.7	1268.3	1202.7	1204.5
70°	24922.8	17405.2	1177.9	1025.6	1156.7	1257.7	1328.5	1277.1	1172.6	1110.6	1115.9
72.5°	22136.5	14560.4	953.0	894.5	1034.5	1133.7	1218.7	1179.7	1073.4	1013.2	1013.2
75°	16262.7	10335.8	761.7	761.7	882.1	1004.4	1098.2	1073.4	976.0	933.5	921.1
77.5°	6855.1	4336.2	596.9	632.4	733.3	862.6	979.6	988.4	903.4	956.5	868.0
80°	1822.7	1195.7	455.2	497.7	575.7	712.1	852.0	848.5	756.4	706.8	657.2
82.5°	694.4	471.2	324.2	350.7	416.3	545.6	674.9	696.1	604.0	522.5	522.5
85°	267.5	201.9	200.2	210.8	242.7	361.4	510.1	527.9	455.2	386.2	398.6
87.5°	69.1	60.2	74.4	70.9	111.6	193.1	292.3	302.9	278.1	161.2	230.3
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)