

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: P955548

Luminaire Tested: **GALN-SB8C-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955548
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8C-722-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48892 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 399.8
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



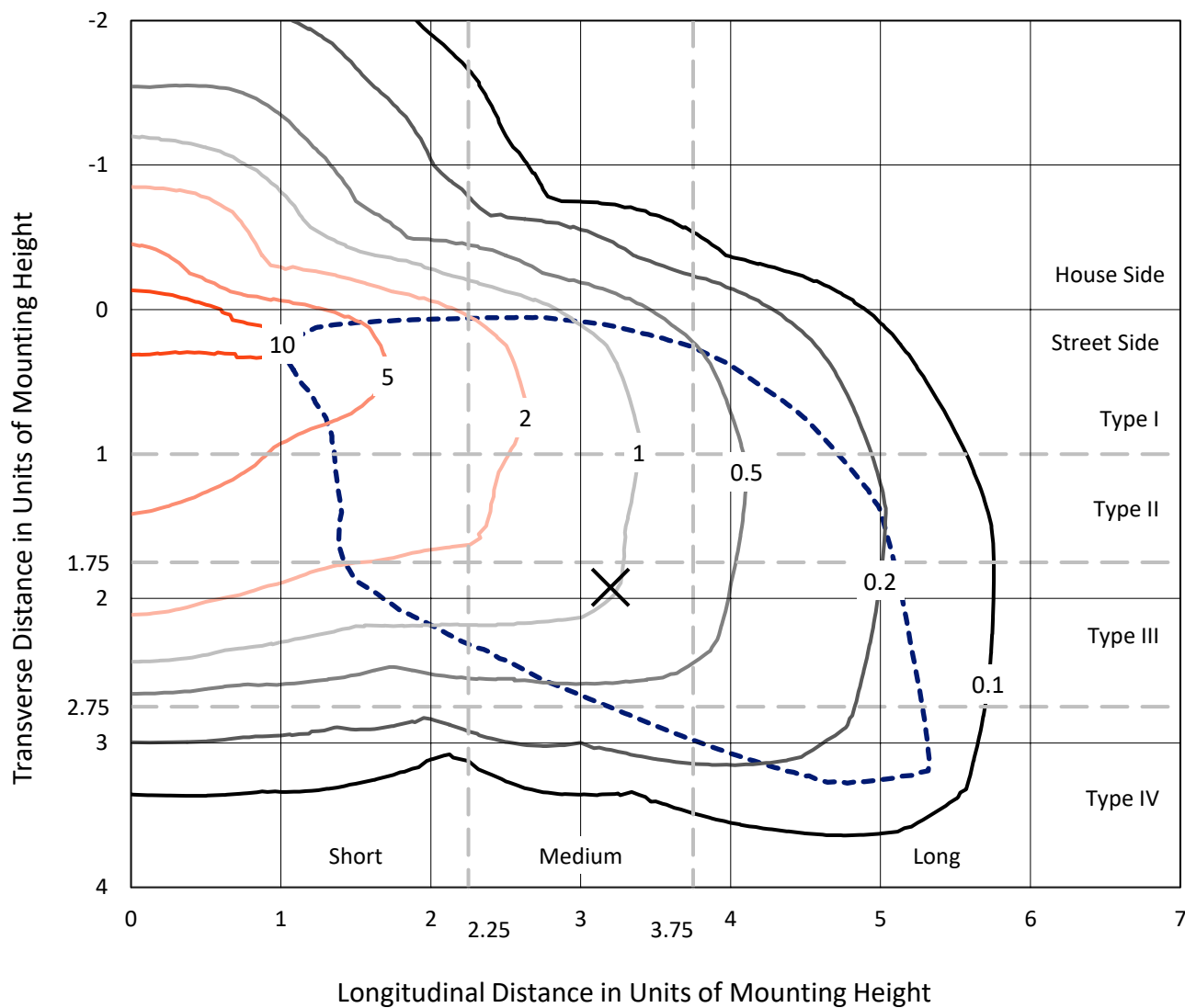
REPORT NUMBER: P955548

CATALOG NUMBER: GALN-SB8C-722-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

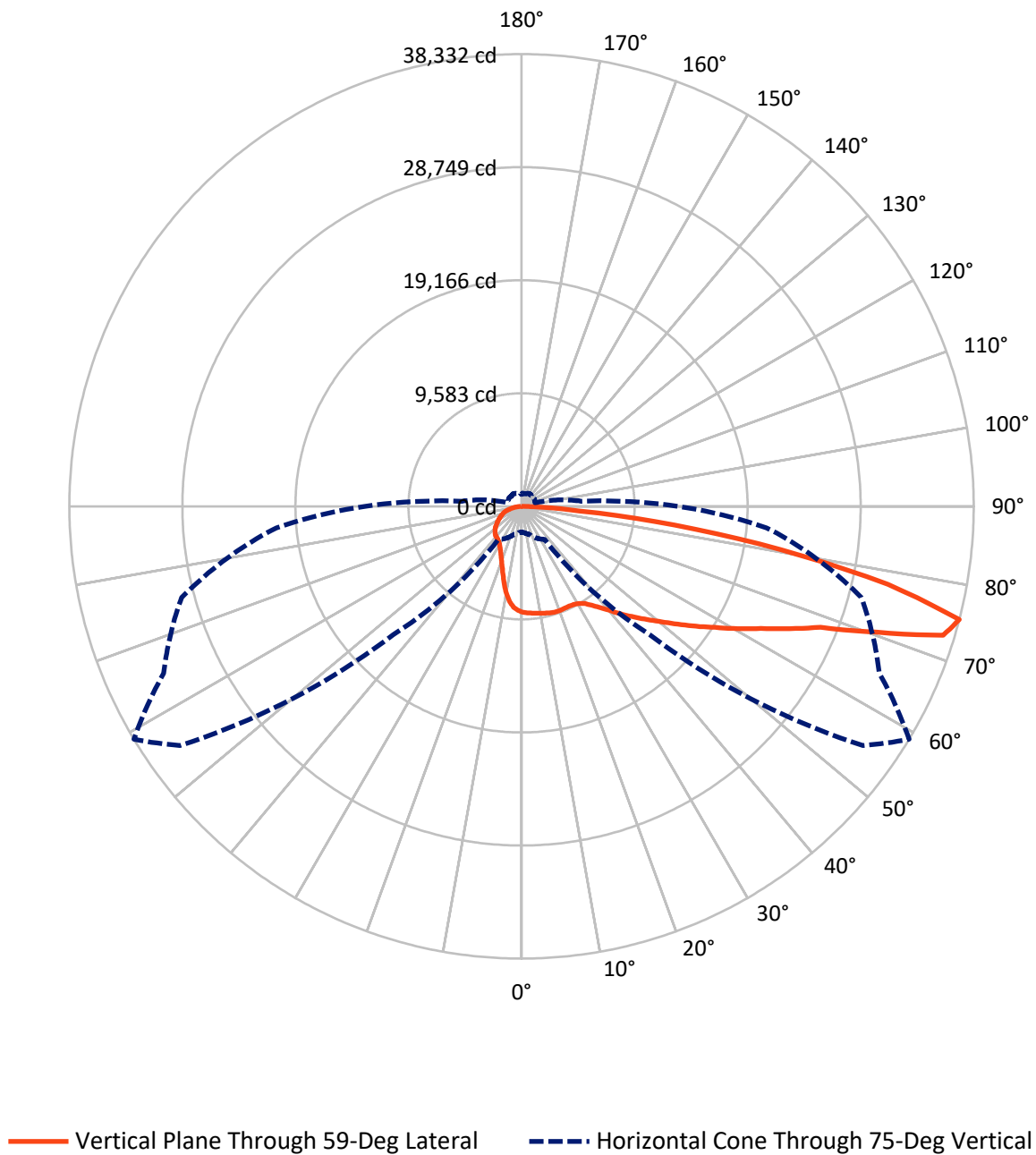


Based on 25 foot mounting height. Maximum calculated value = 14.4 fc
Type IV - Medium - N/A

REPORT NUMBER: P955548

CATALOG NUMBER: GALN-SB8C-722-U-SL3

Luminous Intensity Polar Plot



REPORT NUMBER: P955548

CATALOG NUMBER: GALN-SB8C-722-U-SL3

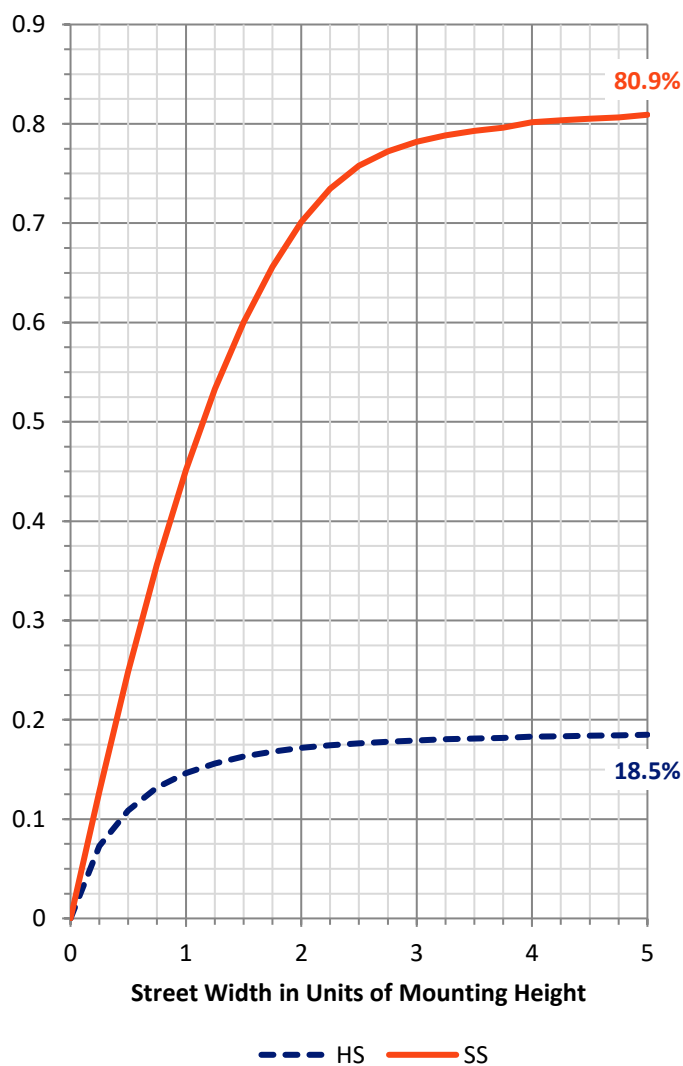
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9170.0	0.0	9170.0
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	39722.0	0.0	39722.0
	% Fixture	81.2	0.0	81.2
Total	Lumens	48892.0	0.0	48892.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	804.7	1.6
10°-20°	2056.8	4.2
20°-30°	3124.1	6.4
30°-40°	4643.9	9.5
40°-50°	6906.2	14.1
50°-60°	9374.4	19.2
60°-70°	11444.6	23.4
70°-80°	8981.6	18.4
80°-90°	1555.8	3.2
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°	48892.0	100.0
0°-180°	48892.0	100.0

Coefficient of Utilization



REPORT NUMBER: P955548

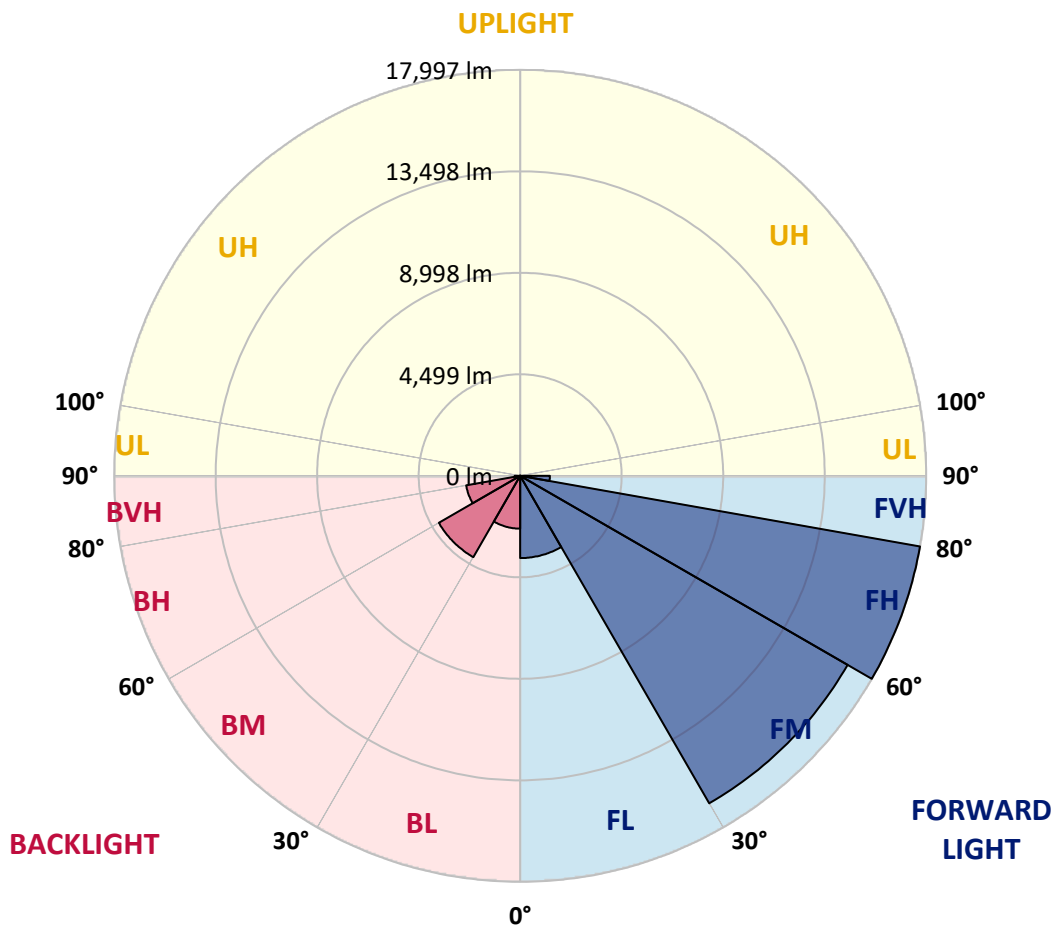
CATALOG NUMBER: GALN-SB8C-722-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3645.4	7.5			
FM	(30°-60°)	16762.2	34.3			
FH	(60°-80°)	17996.7	36.8			G5
FVH	(80°-90°)	1317.7	2.7			G5
BL	(0°-30°)	2340.1	4.8	B3/2500		
BM	(30°-60°)	4162.3	8.5	B3/5000		
BH	(60°-80°)	2429.5	5.0	B3/2500		G3/2500
BVH	(80°-90°)	238.2	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Medium



REPORT NUMBER: P955548

CATALOG NUMBER: GALN-SB8C-722-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	8974.0	8974.0	8974.0	8974.0	8974.0	8974.0	8974.0	8974.0	8974.0	8974.0	8974.0
2.5°	9050.3	9018.7	9050.3	9037.1	9031.9	9021.4	9024.0	9042.4	9031.9	9045.0	9000.3
5°	8989.8	8971.4	9002.9	8995.1	9029.3	9034.5	9068.7	9089.7	9102.9	9105.5	9071.3
7.5°	8889.9	8871.4	8916.2	8953.0	9026.6	9047.7	9118.7	9152.9	9171.3	9202.8	9152.9
10°	8524.3	8516.4	8626.8	8766.2	8939.8	9047.7	9155.5	9213.4	9242.3	9326.5	9268.6
12.5°	7877.3	7887.8	8032.4	8300.7	8647.9	8995.1	9197.6	9281.7	9326.5	9431.7	9405.4
15°	7259.2	7256.5	7414.3	7701.0	8187.6	8763.6	9218.6	9363.3	9439.6	9594.7	9573.7
17.5°	6901.5	6891.0	7001.4	7219.7	7672.1	8408.5	9166.0	9408.0	9571.1	9765.7	9747.3
20°	6835.7	6814.7	6872.5	6980.4	7301.3	8019.3	9029.3	9408.0	9676.3	9928.8	9918.2
22.5°	7075.1	7040.9	7017.2	7004.0	7146.1	7698.4	8874.1	9376.4	9831.4	10162.8	10144.4
25°	7556.4	7503.8	7382.8	7264.4	7222.3	7553.7	8737.3	9368.5	10062.9	10478.5	10410.1
27.5°	8334.9	8269.1	8024.5	7740.5	7485.4	7627.4	8676.8	9415.9	10318.0	10812.5	10675.7
30°	9300.2	9229.1	8921.4	8484.8	8027.2	7900.9	8753.1	9555.3	10644.2	11257.0	10988.7
32.5°	10165.5	10086.6	9823.6	9379.1	8761.0	8374.3	8995.1	9820.9	11157.0	11875.1	11459.5
35°	10933.5	10841.4	10604.7	10194.4	9660.5	9039.8	9431.7	10291.7	11885.6	12879.8	12098.6
37.5°	11685.7	11577.9	11320.1	10886.1	10512.6	9926.1	10034.0	10896.6	12853.5	14100.1	12945.5
40°	12527.3	12372.2	12059.2	11630.5	11267.5	10965.0	10825.6	11638.3	13837.1	15462.6	14002.8
42.5°	13342.7	13195.4	12821.9	12456.3	12001.3	11914.5	11743.5	12506.3	14912.9	16959.1	15075.9
45°	14221.1	14044.9	13592.5	13129.6	12842.9	12545.7	12632.5	13374.2	15967.5	18484.6	16201.6
47.5°	15044.4	14847.1	14313.2	13797.7	13639.9	13077.0	13447.9	14329.0	17064.3	20031.1	17316.8
50°	15488.9	15294.2	14849.7	14384.2	14260.6	13731.9	14331.6	15378.4	18213.7	21572.4	18387.3
52.5°	15859.7	15649.3	15068.0	14810.3	14773.5	14444.7	15420.5	16577.7	19363.0	22934.8	19420.9
55°	16254.2	16020.1	15278.4	15047.0	15215.3	15244.3	16711.9	17937.5	20578.2	24263.0	20396.7
57.5°	16709.2	16412.0	15481.0	15246.9	15646.7	16180.6	18195.3	19347.3	21772.3	25493.9	21264.6
60°	17138.0	16838.1	15870.2	15565.1	16112.2	17266.8	19897.0	21054.2	23124.1	26590.7	22085.2
62.5°	17222.1	16974.9	16180.6	16178.0	16743.4	18534.6	21911.6	22777.0	24305.1	27674.3	22821.7
65°	15765.0	15609.8	15139.1	16154.3	17648.2	20359.9	24155.2	24981.0	25806.9	28621.1	23468.7
67.5°	11998.7	12019.7	11985.5	13945.0	16917.0	22982.1	27403.4	27340.2	27661.1	29683.7	24213.0
70°	5486.5	5610.1	6414.9	9626.3	13553.1	23284.6	32774.1	31956.1	29988.8	31059.3	24857.4
72.5°	2964.2	3058.8	3387.6	4663.2	8148.2	20701.8	36787.7	37368.9	33084.5	31985.1	24149.9
75°	2175.1	2227.7	2456.5	2964.2	3421.8	15386.3	35349.0	38331.6	33471.1	29825.7	20854.3
77.5°	1628.1	1651.7	1838.5	2348.7	1751.7	8111.3	28245.0	31745.7	28652.7	24505.0	15404.7
80°	1180.9	1207.2	1346.6	1762.2	1228.3	2966.8	19394.6	22282.5	19623.4	15620.4	7677.4
82.5°	815.3	825.9	886.4	1199.3	857.4	1152.0	11004.5	13066.5	10954.5	5481.2	2072.5
85°	491.8	505.0	531.3	699.6	486.6	547.1	4750.0	4913.1	3274.5	1309.8	644.4
87.5°	202.5	215.7	236.7	294.6	192.0	152.5	783.8	983.7	612.8	384.0	199.9
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: P955548

CATALOG NUMBER: GALN-SB8C-722-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8974.0	8974.0	8974.0	8974.0	8974.0	8974.0	8974.0	8974.0	8974.0	8974.0	8974.0
2.5°	8987.2	8968.8	8918.8	8850.4	8787.3	8708.4	8674.2	8645.3	8618.9	8569.0	8545.3
5°	9042.4	8992.4	8858.3	8684.7	8487.4	8271.8	8061.4	7916.7	7793.1	7701.0	7624.8
7.5°	9126.6	9031.9	8787.3	8432.2	7979.8	7516.9	7098.7	6801.5	6578.0	6496.4	6354.4
10°	9213.4	9100.3	8674.2	8048.2	7267.1	6554.3	5999.3	5694.2	5515.4	5457.5	5368.1
12.5°	9315.9	9150.2	8498.0	7514.3	6470.1	5689.0	5205.0	5026.2	4934.1	4902.6	4910.5
15°	9465.9	9192.3	8232.3	6846.2	5710.0	5057.7	4744.8	4621.1	4573.8	4571.2	4581.7
17.5°	9578.9	9200.2	7819.4	6130.8	5126.1	4676.4	4418.6	4371.3	4402.8	4450.2	4468.6
20°	9705.2	9129.2	7277.6	5478.6	4715.8	4342.4	4234.5	4266.1	4342.4	4410.7	4434.4
22.5°	9794.6	9000.3	6622.7	4971.0	4360.8	4150.4	4145.1	4210.8	4252.9	4287.1	4305.5
25°	9873.5	8782.0	5928.3	4544.9	4068.8	4034.6	4092.5	4071.4	4042.5	4071.4	4089.9
27.5°	9931.4	8437.5	5307.6	4171.4	3863.7	3955.7	3921.5	3874.2	3871.6	3887.3	3913.6
30°	9913.0	7977.2	4797.4	3816.3	3719.0	3808.4	3726.9	3719.0	3711.1	3719.0	3747.9
32.5°	9913.0	7453.8	4405.5	3571.7	3627.0	3592.8	3584.9	3566.5	3534.9	3532.3	3566.5
35°	9968.2	6930.4	4068.8	3440.2	3550.7	3469.1	3474.4	3429.7	3363.9	3332.4	3363.9
37.5°	10081.3	6509.6	3734.8	3377.1	3416.5	3413.9	3392.9	3316.6	3200.9	3100.9	3135.1
40°	10354.8	6386.0	3506.0	3348.2	3353.4	3385.0	3329.7	3182.5	2919.4	2756.4	2777.4
42.5°	10783.5	6593.7	3456.0	3277.1	3311.3	3342.9	3235.1	2893.1	2706.4	2609.1	2609.1
45°	11328.0	6956.7	3563.8	3174.6	3211.4	3266.6	2945.8	2782.7	2698.5	2701.1	2714.3
47.5°	12017.1	7338.1	3763.7	3085.1	3066.7	3098.3	2753.8	2653.8	2538.1	2567.0	2640.7
50°	12814.0	7724.7	3953.1	2964.2	2906.3	2803.7	2630.1	2535.4	2388.2	2319.8	2338.2
52.5°	13676.7	8098.2	4029.4	2816.9	2732.7	2614.4	2546.0	2430.2	2251.4	2138.3	2135.7
55°	14494.7	8437.5	3945.2	2640.7	2559.1	2467.1	2456.5	2385.5	2193.5	2035.7	2035.7
57.5°	15267.9	8721.5	3734.8	2461.8	2382.9	2327.7	2398.7	2364.5	2122.5	1920.0	1909.5
60°	15922.8	8916.2	3429.7	2280.3	2225.1	2196.2	2304.0	2293.5	2022.6	1796.4	1788.5
62.5°	16443.6	8992.4	3093.0	2106.7	2093.6	2041.0	2172.5	2172.5	1896.3	1675.4	1667.5
65°	16851.3	8918.8	2751.1	1935.8	1962.1	1883.2	2012.1	1996.3	1762.2	1567.6	1557.0
67.5°	17211.6	8676.8	2372.4	1767.5	1827.9	1728.0	1843.7	1806.9	1614.9	1459.7	1449.2
70°	17372.0	8114.0	1941.0	1599.1	1672.8	1575.5	1675.4	1607.0	1449.2	1344.0	1323.0
72.5°	16083.3	6743.7	1528.1	1422.9	1486.0	1407.1	1493.9	1415.0	1270.4	1223.0	1183.6
75°	13305.8	5060.4	1175.7	1230.9	1278.2	1217.8	1275.6	1217.8	1086.2	1120.4	1023.1
77.5°	9663.1	3416.5	899.5	1028.4	1049.4	1017.9	1067.8	1002.1	883.7	875.8	836.4
80°	4805.3	2001.5	704.9	812.7	804.8	783.8	841.6	810.1	710.1	752.2	744.3
82.5°	1391.3	857.4	512.9	570.7	555.0	560.2	602.3	618.1	925.8	917.9	939.0
85°	436.6	336.7	307.7	318.2	302.5	310.4	355.1	704.9	652.3	381.4	412.9
87.5°	113.1	115.7	76.3	81.5	84.2	99.9	113.1	428.7	205.2	134.1	142.0
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)