

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: STREETWORKS

Report Number: P953568

Luminaire Tested: **GLAN-SB7A-830-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953568
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7A-830-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24440 lumens
Efficiency: N/A
Efficacy: 122.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

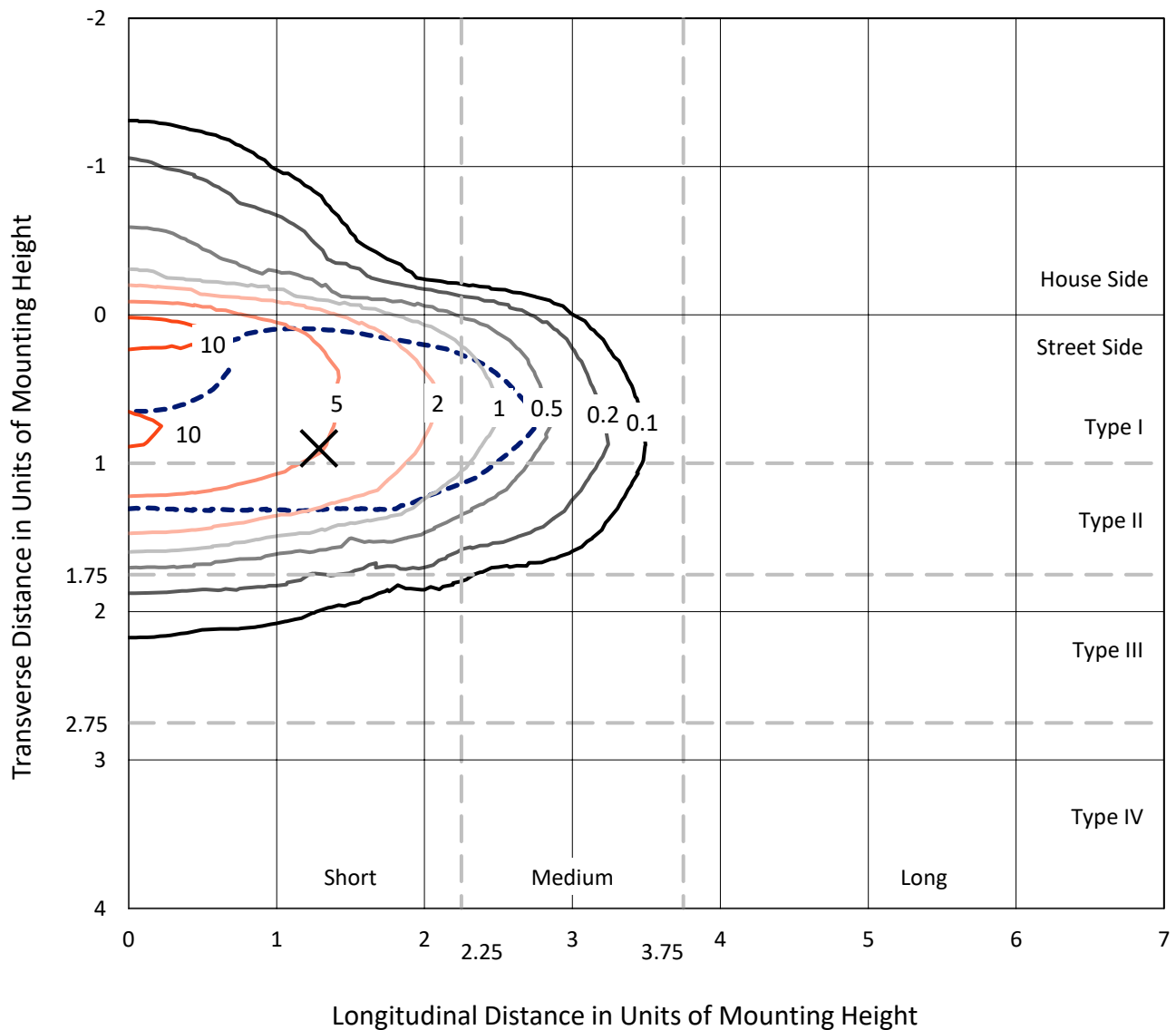
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953568
CATALOG NUMBER: GLAN-SB7A-830-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

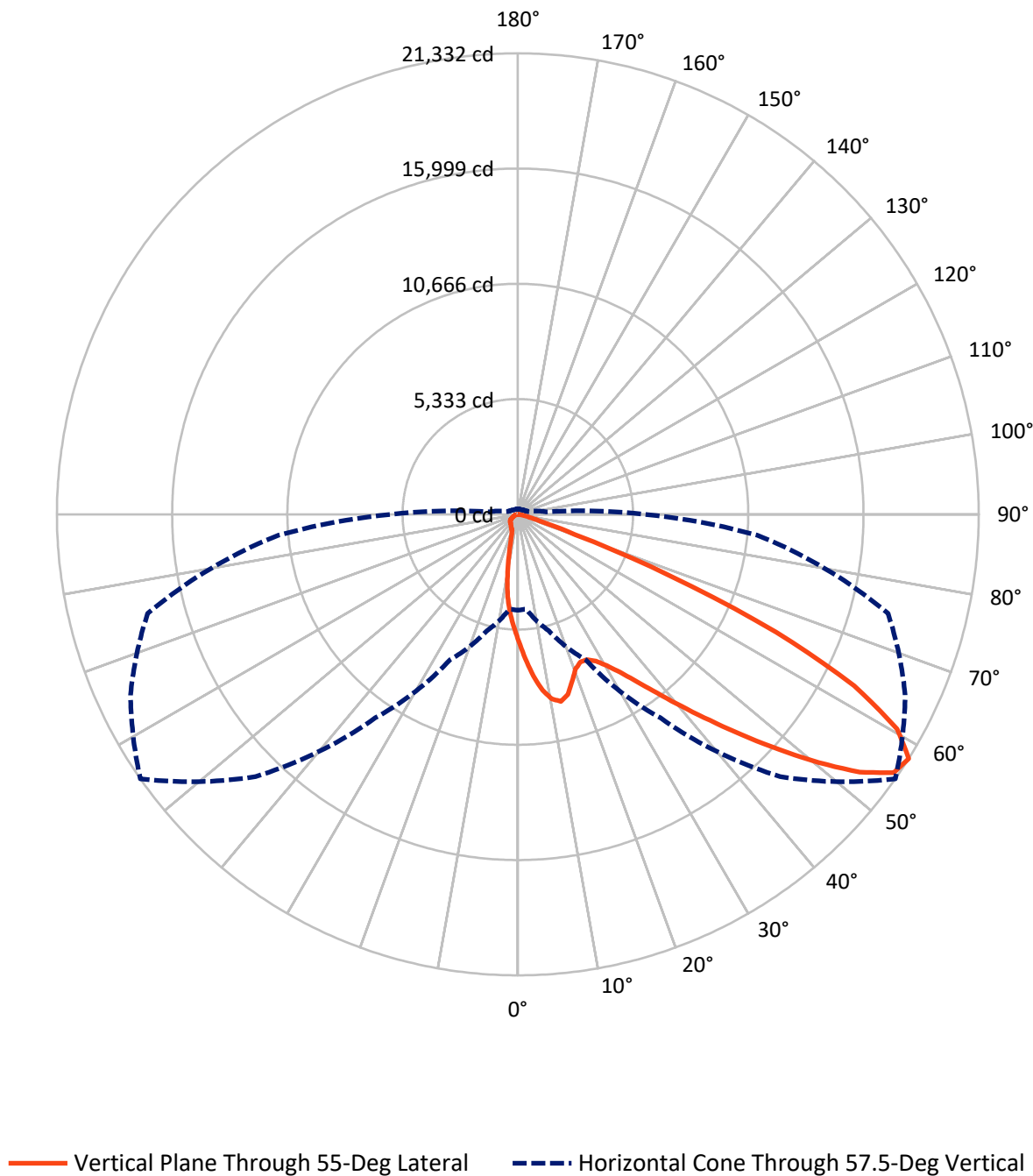
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 fc
Type II - Short - N/A

REPORT NUMBER: P953568
CATALOG NUMBER: GLAN-SB7A-830-U-AFL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P953568

CATALOG NUMBER: GLAN-SB7A-830-U-AFL-HSS

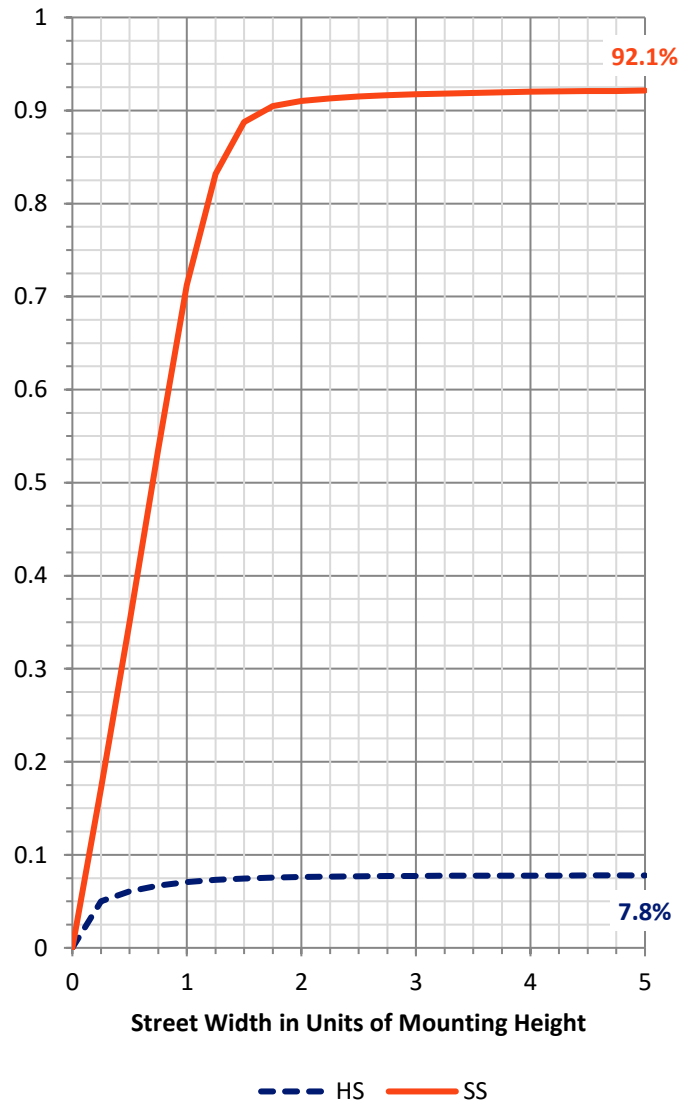
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1908.7	0.0	1908.7
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	22531.3	0.0	22531.3
	% Fixture	92.2	0.0	92.2
Total	Lumens	24440.0	0.0	24440.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	548.0	2.2
10°-20°	1323.6	5.4
20°-30°	2117.8	8.7
30°-40°	3584.5	14.7
40°-50°	5885.0	24.1
50°-60°	6468.1	26.5
60°-70°	3710.1	15.2
70°-80°	758.1	3.1
80°-90°	44.7	0.2
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°	24440.0	100.0
0°-180°	24440.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953568

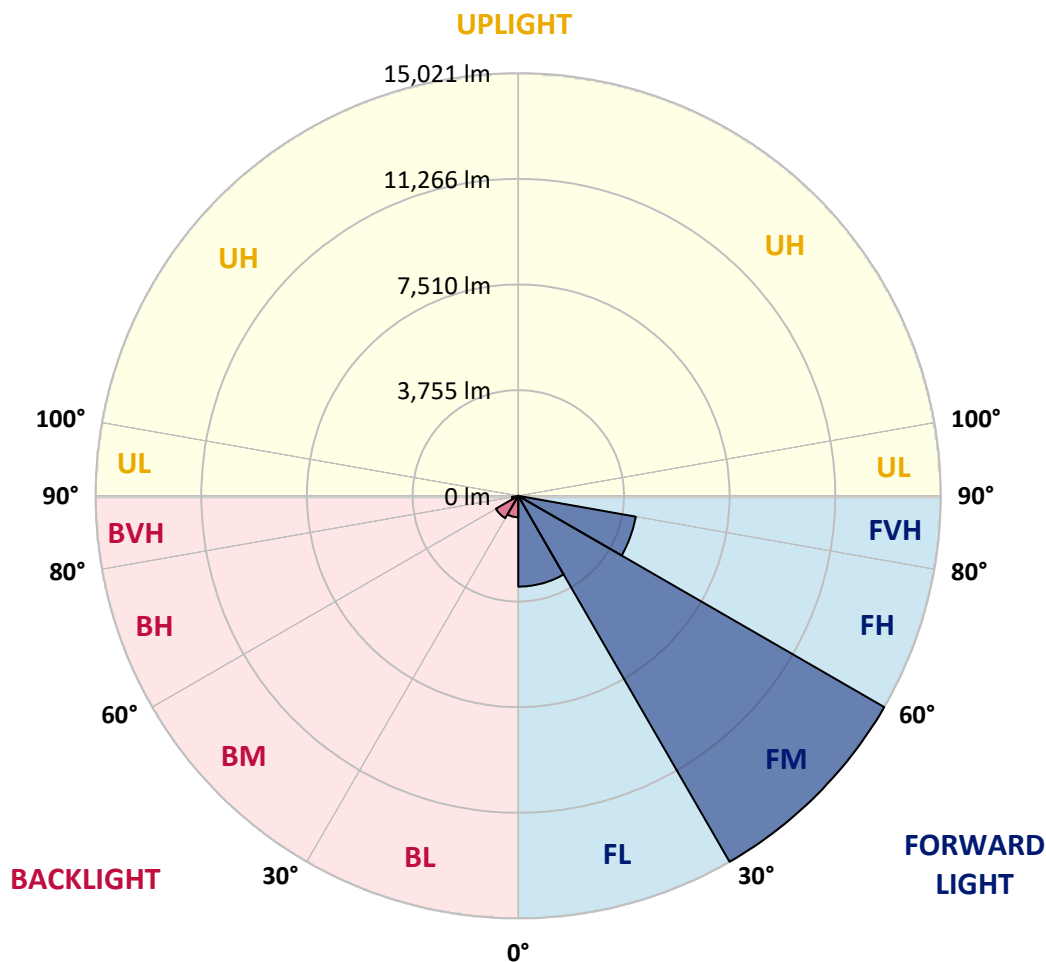
CATALOG NUMBER: GLAN-SB7A-830-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3227.5	13.2			
FM	(30°-60°)	15021.0	61.5			
FH	(60°-80°)	4241.2	17.4			G2/5000
FVH	(80°-90°)	41.7	0.2			G1/100
BL	(0°-30°)	762.0	3.1	B2/1000		
BM	(30°-60°)	916.7	3.8	B1/1000		
BH	(60°-80°)	227.0	0.9	B1/500		G1/500
BVH	(80°-90°)	3.0	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-G2

Type II Short



REPORT NUMBER: P953568

CATALOG NUMBER: GLAN-SB7A-830-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4
2.5°	7307.5	7215.6	7202.1	7184.0	7009.2	6878.0	6688.2	6480.2	6246.6	6008.5
5°	8442.3	8370.0	8356.4	8272.0	8073.1	7850.1	7512.5	7086.0	6650.5	6138.1
7.5°	8662.4	8648.8	8710.6	8707.6	8680.4	8504.1	8219.3	7711.4	7057.4	6297.8
10°	7681.3	7715.9	7899.8	8061.1	8496.6	8749.8	8688.0	8269.0	7476.3	6480.2
12.5°	6787.6	6746.9	6878.0	7060.4	7566.8	8320.3	8882.4	8734.7	7955.6	6686.7
15°	6227.0	6210.4	6284.3	6368.7	6754.5	7514.0	8656.3	9113.0	8416.7	6930.8
17.5°	6047.7	6034.1	6056.7	6077.8	6328.0	6915.7	8118.3	9345.0	8858.3	7209.6
20°	6193.9	6175.8	6172.8	6156.2	6260.2	6661.0	7631.6	9361.6	9254.6	7462.8
22.5°	6620.3	6599.2	6525.4	6459.1	6468.1	6695.7	7414.5	9195.8	9553.0	7699.4
25°	7393.4	7358.8	7205.1	6982.0	6840.4	6936.8	7447.7	8977.3	9837.8	7884.7
27.5°	8361.0	8315.7	8118.3	7786.8	7462.8	7345.2	7687.3	8826.6	10074.4	8026.4
30°	9308.9	9250.1	9055.7	8798.0	8324.8	7954.1	8119.8	8892.9	10356.2	8174.1
32.5°	10332.1	10276.4	10018.7	9699.2	9307.4	8808.5	8712.1	9216.9	10701.4	8380.5
35°	11626.7	11539.3	11173.1	10737.5	10321.6	9816.7	9513.8	9776.0	11161.0	8695.5
37.5°	13100.5	12983.0	12588.1	11986.8	11444.3	10879.2	10490.4	10544.6	11834.6	9117.5
40°	14490.0	14383.0	14018.3	13451.7	12770.5	12084.8	11670.4	11549.8	12764.5	9631.4
42.5°	15323.4	15226.9	15073.2	14833.6	14259.4	13560.2	13037.2	12776.5	13864.6	10246.2
45°	15370.1	15285.7	15492.2	15771.0	15657.9	15192.3	14554.8	14077.1	14969.2	10823.4
47.5°	14622.6	14565.4	15192.3	16165.8	16651.1	16847.0	16259.2	15269.1	15881.0	11237.9
50°	12585.1	12564.0	13854.0	15641.4	17029.3	18296.7	18057.1	16378.3	16587.8	11451.9
52.5°	10912.3	10835.5	11587.5	13962.5	16479.3	19059.3	19814.3	17466.4	17082.1	11492.5
55°	8276.6	8208.7	9152.1	11153.5	14705.5	18788.0	21099.8	18589.1	17436.2	11388.6
57.5°	4439.7	4397.5	5589.5	7423.6	11495.6	17160.4	21331.9	19776.6	17734.6	11112.8
60°	1728.6	1721.0	2167.1	3601.8	6986.5	13961.0	20160.9	20489.5	17921.5	10773.7
62.5°	1045.9	1068.5	1140.8	1617.0	3086.4	8672.9	17461.9	19678.7	18046.6	10463.2
65°	865.0	866.5	875.6	1110.7	1478.4	3628.9	13145.7	17011.3	17737.6	9910.2
67.5°	741.5	755.0	789.7	881.6	1042.9	1591.4	7568.3	13177.4	15858.4	8623.2
70°	584.7	602.8	646.5	724.9	804.7	996.1	2797.0	8767.8	12114.9	6499.8
72.5°	492.8	491.3	513.9	589.2	639.0	700.8	1076.0	4912.9	7040.8	3103.0
75°	381.3	396.3	425.0	492.8	522.9	507.9	583.2	1794.9	2522.8	940.4
77.5°	298.4	310.4	336.1	402.4	432.5	360.2	336.1	642.0	810.8	337.6
80°	134.1	144.7	229.1	296.9	352.6	248.7	182.3	328.5	360.2	153.7
82.5°	24.1	40.7	134.1	156.7	180.8	161.3	94.9	170.3	176.3	61.8
85°	1.5	3.0	46.7	57.3	72.3	52.7	28.6	67.8	58.8	21.1
87.5°	0.0	0.0	0.0	1.5	1.5	7.5	9.0	12.1	9.0	7.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953568

CATALOG NUMBER: GLAN-SB7A-830-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
5889.4	0°	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4
5903.0	2.5°	5794.5	5580.5	5372.5	5202.2	5102.8	4934.0	4822.5	4804.4	4757.7	4798.4
5918.1	5°	5683.0	5300.2	4912.9	4566.3	4281.4	3913.7	3639.5	3523.4	3422.4	3457.1
5957.3	7.5°	5630.2	5025.9	4423.1	3830.8	3222.0	2634.3	2197.2	2014.9	1876.2	1895.8
6001.0	10°	5559.4	4741.1	3796.2	2892.0	2076.7	1496.5	1195.1	1083.5	1021.8	1023.3
6065.8	12.5°	5505.1	4400.5	3068.3	1960.6	1264.4	955.5	862.0	834.9	816.8	818.3
6163.7	15°	5478.0	3999.6	2349.4	1306.6	904.2	809.3	786.7	774.6	762.6	761.0
6272.2	17.5°	5432.8	3553.6	1719.5	953.9	791.2	758.0	738.4	724.9	709.8	706.8
6365.7	20°	5365.0	3047.2	1256.9	806.3	741.5	715.8	688.7	670.6	652.5	649.5
6424.4	22.5°	5239.9	2512.2	966.0	746.0	705.3	676.7	643.5	622.4	604.3	601.3
6395.8	25°	5007.8	2010.4	813.8	708.3	673.6	639.0	602.8	574.2	557.6	554.6
6334.0	27.5°	4714.0	1579.4	738.4	673.6	632.9	601.3	560.6	533.5	518.4	515.4
6252.6	30°	4367.3	1216.2	694.7	634.5	584.7	557.6	521.4	498.8	489.8	489.8
6195.4	32.5°	3993.6	972.0	676.7	595.3	542.5	512.4	483.8	474.7	471.7	470.2
6227.0	35°	3642.5	843.9	667.6	563.6	504.9	476.2	464.2	465.7	471.7	471.7
6325.0	37.5°	3330.5	803.2	663.1	541.0	471.7	446.1	453.6	467.2	461.1	461.1
6496.8	40°	3048.7	807.8	660.1	524.4	444.6	429.5	444.6	434.0	419.0	417.4
6706.2	42.5°	2833.2	845.4	654.0	510.9	428.0	417.4	411.4	394.8	393.3	396.3
6923.3	45°	2676.5	878.6	652.5	504.9	409.9	390.3	382.8	366.2	396.3	403.9
7012.2	47.5°	2491.1	878.6	652.5	483.8	379.8	372.2	360.2	342.1	372.2	379.8
6927.8	50°	2251.5	822.8	626.9	459.6	355.7	351.1	330.0	307.4	301.4	305.9
6730.4	52.5°	1948.6	721.9	562.1	426.5	331.5	322.5	296.9	280.3	275.8	275.8
6376.2	55°	1603.5	604.3	474.7	378.3	305.9	289.3	271.3	263.7	259.2	256.2
5880.4	57.5°	1303.6	495.8	381.3	336.1	281.8	260.7	254.7	245.6	238.1	233.6
5466.0	60°	1070.0	390.3	315.0	298.4	257.7	238.1	236.6	224.5	205.0	201.9
5123.9	62.5°	825.8	286.3	265.2	259.2	233.6	217.0	214.0	189.9	159.7	153.7
4638.6	65°	583.2	223.0	214.0	227.6	208.0	192.9	185.4	149.2	117.5	113.0
3882.1	67.5°	409.9	186.9	168.8	198.9	180.8	161.3	156.7	126.6	98.0	94.9
2935.7	70°	292.4	152.2	138.6	170.3	144.7	141.7	132.6	105.5	79.9	76.9
1452.8	72.5°	206.5	116.0	107.0	147.7	99.5	122.1	108.5	81.4	60.3	57.3
494.3	75°	152.2	82.9	75.4	85.9	72.3	91.9	76.9	54.3	37.7	36.2
223.0	77.5°	111.5	52.7	45.2	42.2	42.2	57.3	42.2	22.6	16.6	15.1
113.0	80°	78.4	24.1	21.1	18.1	16.6	13.6	6.0	3.0	1.5	1.5
39.2	82.5°	46.7	10.5	10.5	7.5	4.5	0.0	0.0	0.0	0.0	0.0
15.1	85°	10.5	4.5	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
6.0	87.5°	1.5	1.5	0.0	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

(END OF RI

