

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: P952745

Luminaire Tested: **GALN-SB6C-730-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-730-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34982 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

Input Watts (W): 300.9
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



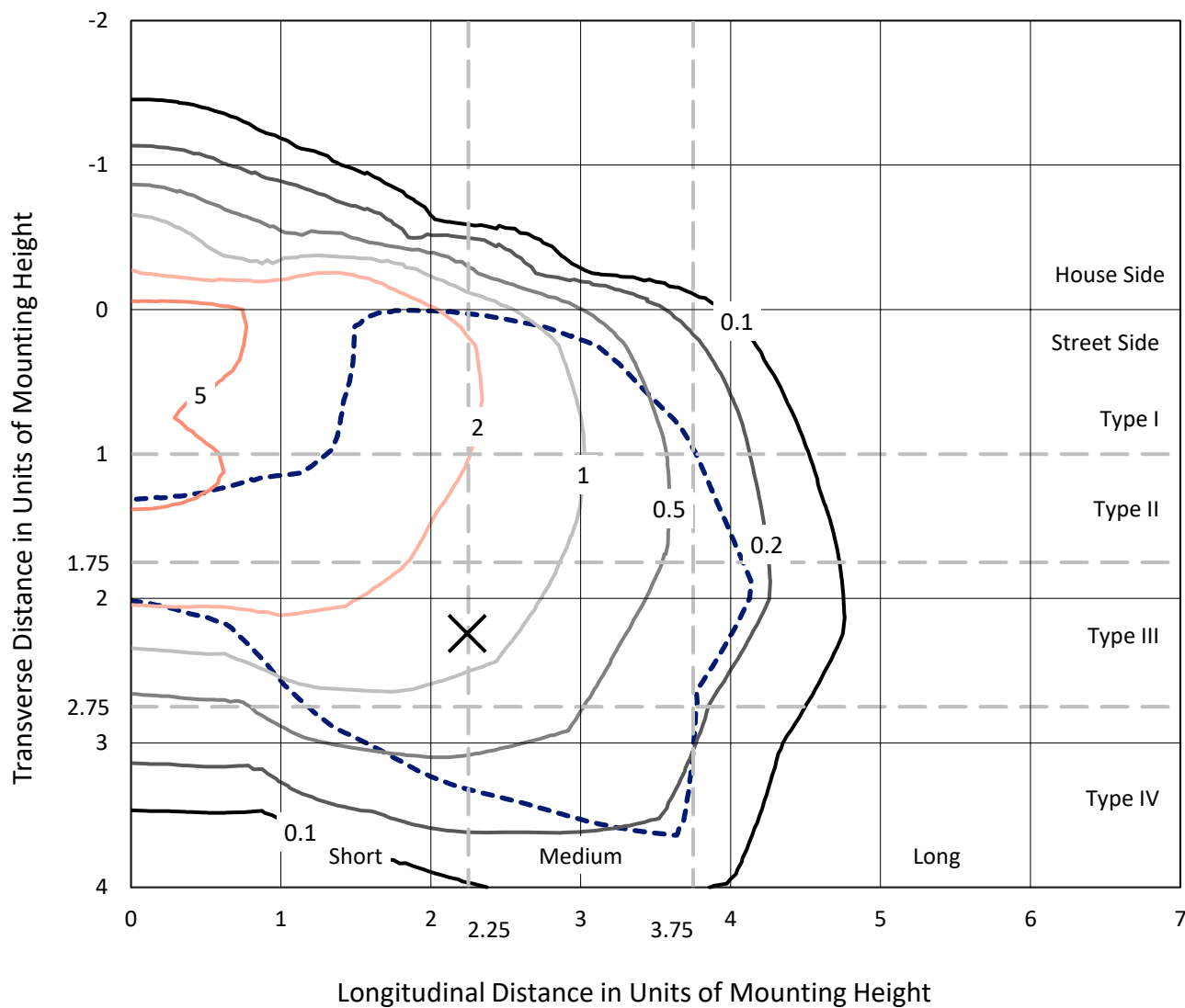
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Iso-Footcandle Lines of Horizontal Illumination

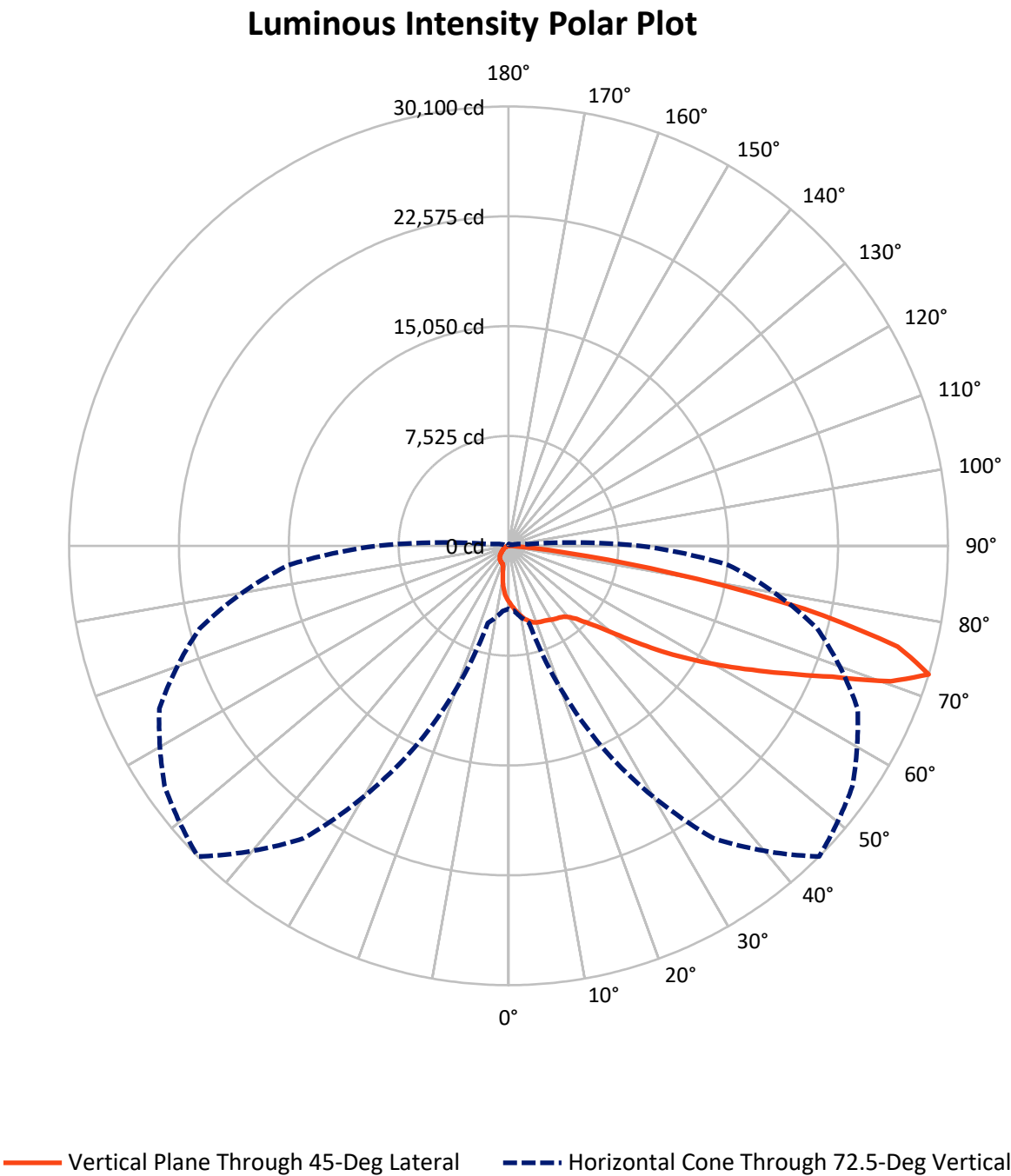
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
Type IV - Short - N/A

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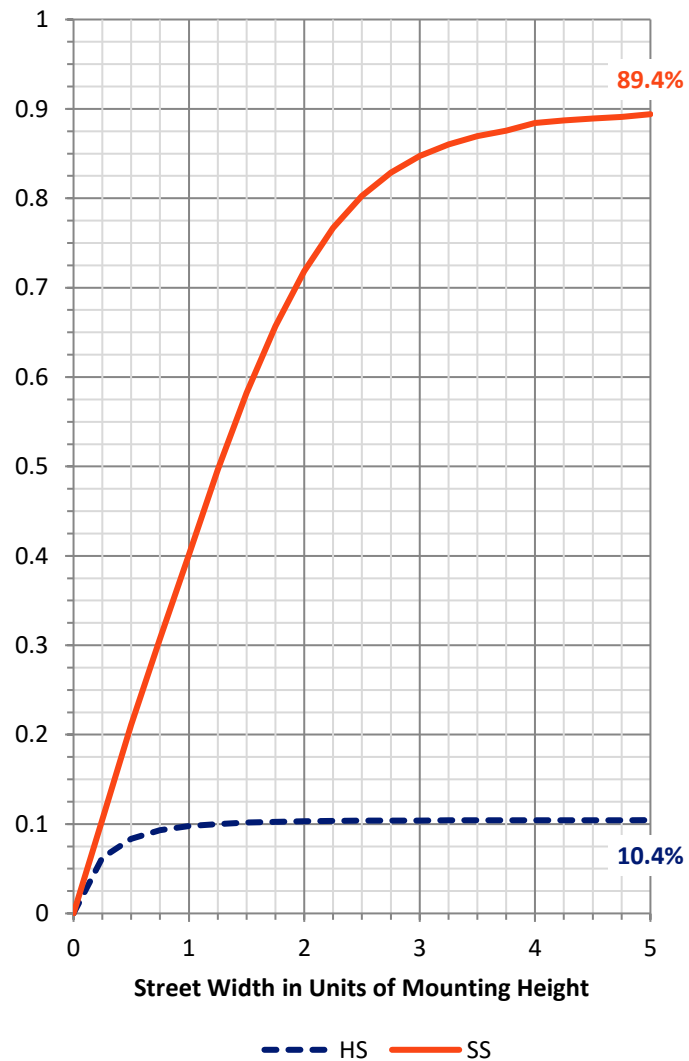
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3675.6	0.0	3675.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	31306.3	0.0	31306.3
	% Fixture	89.5	0.0	89.5
Total	Lumens	34982.0	0.0	34982.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.1	1.0
10°-20°	1055.3	3.0
20°-30°	1733.0	5.0
30°-40°	2457.7	7.0
40°-50°	4062.4	11.6
50°-60°	7297.6	20.9
60°-70°	10133.2	29.0
70°-80°	7350.3	21.0
80°-90°	531.4	1.5
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°	34982.0	100.0
0°-180°	34982.0	100.0

Coefficient of Utilization



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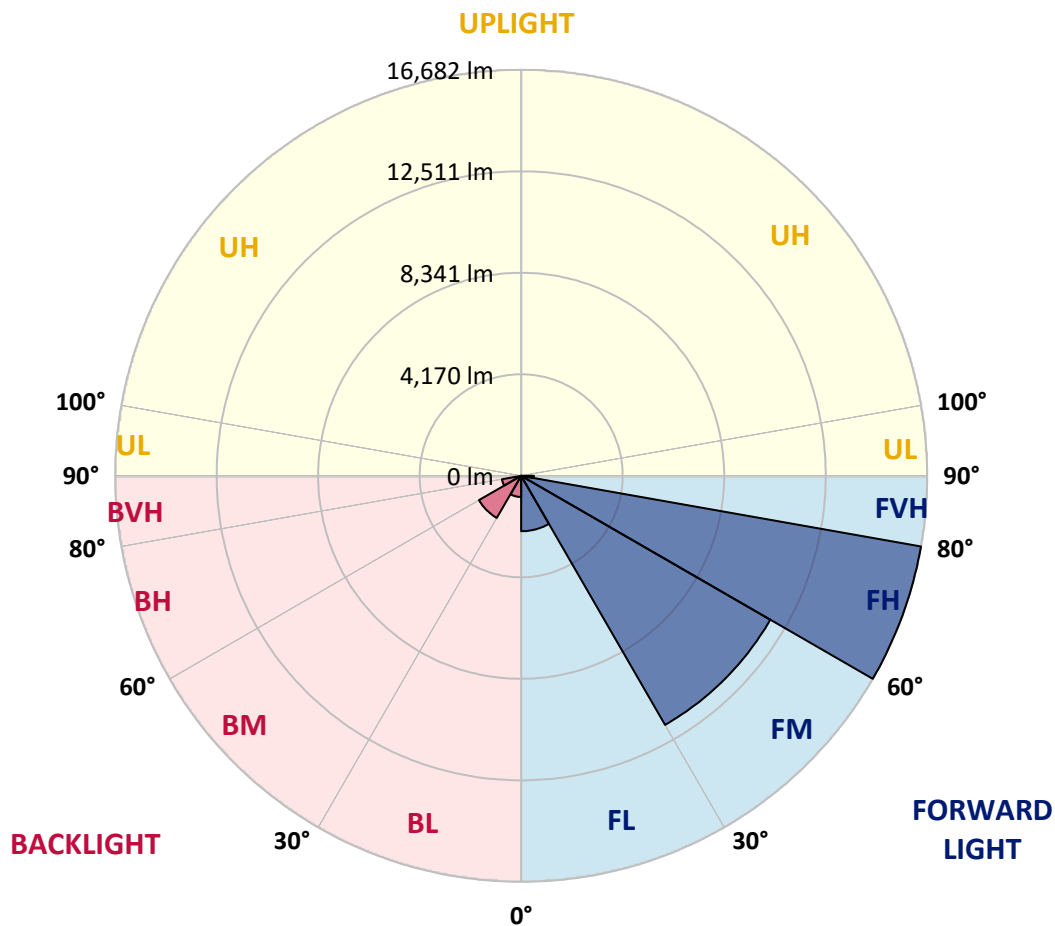
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2278.7	6.5			
FM	(30°-60°)	11818.8	33.8			
FH	(60°-80°)	16681.9	47.7			G5
FVH	(80°-90°)	526.9	1.5			G4/750
BL	(0°-30°)	870.6	2.5	B2/1000		
BM	(30°-60°)	1999.0	5.7	B2/2500		
BH	(60°-80°)	801.5	2.3	B2/1000		G2/1000
BVH	(80°-90°)	4.5	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-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4
2.5°	4185.7	4192.9	4188.1	4159.5	4111.7	4085.5	4071.1	4023.4	3992.3	3937.4	3880.1
5°	4570.2	4598.8	4582.1	4524.8	4434.1	4369.6	4350.5	4252.6	4164.3	4061.6	3942.2
7.5°	4978.5	4992.8	4961.8	4887.7	4766.0	4656.1	4639.4	4503.3	4362.4	4204.8	4042.5
10°	5331.9	5348.6	5300.8	5193.4	5054.9	4918.8	4894.9	4744.5	4577.3	4383.9	4176.2
12.5°	5627.9	5644.7	5582.6	5453.6	5300.8	5159.9	5136.1	4978.5	4794.6	4579.7	4321.8
15°	5852.4	5883.4	5799.9	5661.4	5496.6	5355.7	5343.8	5188.6	5009.5	4770.7	4496.1
17.5°	5983.7	6014.8	5936.0	5768.8	5627.9	5508.6	5494.2	5365.3	5198.2	4968.9	4665.7
20°	6005.2	6033.9	5950.3	5804.6	5687.6	5592.1	5585.0	5491.8	5370.1	5150.4	4849.5
22.5°	5940.7	5976.6	5900.2	5783.2	5702.0	5651.8	5642.3	5589.7	5520.5	5334.3	5021.5
25°	5873.9	5902.5	5845.2	5742.6	5699.6	5694.8	5702.0	5692.4	5678.1	5520.5	5222.0
27.5°	5869.1	5900.2	5835.7	5737.8	5713.9	5764.0	5771.2	5816.6	5828.5	5690.0	5415.4
30°	5909.7	5931.2	5869.1	5766.4	5754.5	5869.1	5871.5	5952.7	5971.8	5833.3	5606.5
32.5°	5998.0	6021.9	5959.8	5809.4	5792.7	5952.7	5959.8	6067.3	6098.3	5986.1	5807.0
35°	6205.8	6234.4	6162.8	5928.8	5869.1	6031.5	6053.0	6179.5	6241.6	6148.5	6014.8
37.5°	6723.9	6640.4	6542.5	6170.0	6043.4	6155.6	6191.5	6339.5	6449.3	6341.9	6263.1
40°	8010.9	7748.3	7442.6	6580.7	6349.1	6420.7	6449.3	6597.4	6747.8	6642.7	6604.5
42.5°	9942.6	9632.2	9140.3	7526.2	6809.9	6845.7	6867.2	6996.1	7208.6	7125.1	7134.6
45°	11664.2	11552.0	11050.5	9140.3	7671.9	7495.2	7521.4	7588.3	7901.1	7870.1	7932.1
47.5°	12987.0	12922.5	12535.7	10993.2	9128.4	8290.3	8364.3	8395.4	8846.6	8956.5	9123.6
50°	14004.2	13980.3	13634.1	12640.8	11031.4	9462.7	9489.0	9422.1	10097.8	10370.0	10687.6
52.5°	14964.1	15045.3	14789.8	14171.3	13063.4	10998.0	10993.2	10678.1	11590.2	12000.9	12542.9
55°	15830.8	15859.5	15885.8	15732.9	15107.3	12745.9	12700.5	12184.7	13321.3	13746.3	14333.7
57.5°	16645.1	16657.0	16891.0	17203.8	17234.8	14622.6	14539.1	13920.6	15212.4	15515.7	15876.2
60°	17191.9	17246.8	17741.0	18610.2	18989.8	16559.1	16513.7	15883.4	17136.9	17277.8	17211.0
62.5°	16403.9	16738.2	17984.6	19708.6	20646.9	18705.7	18684.2	18092.0	19161.8	19047.2	18474.1
65°	13278.3	13844.2	16036.2	20451.2	22273.0	21103.0	21134.1	20503.7	21241.5	20869.0	19500.8
67.5°	9288.4	9885.3	12478.4	20510.8	24090.1	23918.2	24097.3	23108.7	23450.2	22614.5	19744.4
70°	6423.1	6731.1	8419.2	19226.2	25506.0	27795.9	27791.1	26308.3	25646.9	23409.6	18502.7
72.5°	4319.5	4479.4	5468.0	15253.0	24465.0	30100.1	29961.6	28753.4	26387.1	21893.4	15116.9
75°	1821.9	1938.9	2531.0	8572.1	19355.2	27538.0	27163.1	25410.5	23445.4	17239.6	9431.6
77.5°	577.8	628.0	998.1	3068.3	10661.3	20699.5	20303.1	15869.0	15713.8	8648.5	3447.9
80°	274.6	320.0	561.1	1232.1	4195.3	11258.3	11203.4	7199.1	6759.7	2335.2	692.4
82.5°	119.4	140.9	310.4	659.0	1876.8	4016.2	4097.4	2449.8	2027.2	885.9	212.5
85°	38.2	50.1	143.3	303.2	792.7	998.1	986.1	582.6	816.6	482.3	74.0
87.5°	0.0	0.0	47.8	69.2	81.2	57.3	64.5	50.1	226.8	133.7	26.3
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°	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4	3832.4
2.5°	3851.5	3813.3	3746.4	3684.3	3629.4	3574.5	3541.0	3493.3	3488.5	3488.5	3500.5
5°	3877.7	3815.6	3696.3	3569.7	3424.0	3285.6	3147.1	3013.4	2970.4	2939.3	2953.7
7.5°	3954.1	3856.2	3667.6	3426.4	3149.5	2846.2	2633.7	2404.5	2316.1	2268.4	2275.5
10°	4064.0	3930.3	3643.7	3221.1	2772.2	2359.1	2055.9	1807.5	1712.0	1671.4	1671.4
12.5°	4185.7	4021.0	3600.7	2965.6	2359.1	1864.8	1568.8	1454.1	1439.8	1439.8	1439.8
15°	4331.4	4130.8	3526.7	2664.7	1926.9	1475.6	1370.6	1375.3	1389.7	1399.2	1399.2
17.5°	4481.8	4247.8	3409.7	2328.1	1544.9	1327.6	1330.0	1337.1	1349.1	1358.6	1358.6
20°	4644.2	4364.8	3254.5	1969.9	1325.2	1284.6	1291.8	1298.9	1308.5	1313.3	1315.7
22.5°	4818.5	4474.7	3070.7	1618.9	1251.2	1248.8	1251.2	1258.3	1270.3	1270.3	1275.1
25°	5004.7	4596.4	2860.5	1363.4	1213.0	1213.0	1217.8	1222.5	1232.1	1232.1	1234.5
27.5°	5195.8	4708.7	2638.5	1229.7	1179.6	1177.2	1177.2	1184.3	1189.1	1191.5	1193.9
30°	5405.9	4840.0	2416.4	1201.0	1153.3	1141.3	1134.2	1139.0	1143.7	1146.1	1150.9
32.5°	5620.8	4966.5	2218.2	1213.0	1127.0	1105.5	1081.7	1076.9	1076.9	1086.4	1093.6
35°	5859.6	5105.0	2065.4	1253.6	1112.7	1053.0	1014.8	993.3	995.7	1010.0	1017.2
37.5°	6146.1	5272.2	1953.2	1289.4	1103.1	993.3	931.2	905.0	888.2	905.0	900.2
40°	6521.0	5518.1	1872.0	1318.0	1091.2	924.1	840.5	797.5	766.5	776.0	771.2
42.5°	7072.5	5904.9	1841.0	1320.4	1064.9	842.9	747.4	690.1	644.7	647.1	637.5
45°	7846.2	6516.2	2000.9	1289.4	1007.6	754.5	649.5	573.1	544.4	537.2	527.7
47.5°	8906.3	7406.8	2371.0	1224.9	924.1	668.6	554.0	489.5	468.0	456.1	448.9
50°	10327.1	8550.6	2781.7	1153.3	840.5	587.4	475.2	434.6	420.2	408.3	405.9
52.5°	11974.6	9711.0	3118.4	1081.7	756.9	515.8	425.0	401.1	389.2	379.7	377.3
55°	13486.1	10510.9	3099.3	1005.2	675.7	458.4	389.2	374.9	360.6	351.0	346.2
57.5°	14426.8	10623.1	2554.9	921.7	582.6	413.1	355.8	346.2	329.5	317.6	315.2
60°	14859.0	9983.2	1790.8	811.8	489.5	370.1	320.0	315.2	293.7	277.0	272.2
62.5°	14937.8	8794.1	1193.9	675.7	408.3	329.5	284.1	277.0	248.3	219.7	205.3
65°	14617.9	7094.0	826.2	527.7	348.6	286.5	243.6	229.2	198.2	169.5	160.0
67.5°	13605.4	4980.9	575.4	379.7	296.1	226.8	193.4	188.6	164.8	140.9	133.7
70°	11750.2	2839.0	384.4	284.1	234.0	155.2	152.8	157.6	133.7	114.6	105.1
72.5°	9009.0	1298.9	238.8	207.7	160.0	105.1	121.8	124.2	102.7	86.0	76.4
75°	5303.2	556.3	150.4	133.7	81.2	69.2	88.3	90.7	69.2	54.9	47.8
77.5°	1805.1	210.1	95.5	78.8	40.6	38.2	57.3	57.3	38.2	21.5	16.7
80°	410.7	78.8	47.8	31.0	19.1	16.7	19.1	16.7	9.6	2.4	0.0
82.5°	117.0	31.0	19.1	11.9	7.2	7.2	2.4	0.0	0.0	0.0	0.0
85°	33.4	14.3	4.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.3	2.4	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	0.0

(END OF REPORT)