

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: P954482

Luminaire Tested: **GALN-SB7D-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954482
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7D-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50617 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G5

Input Watts (W): 512.8
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



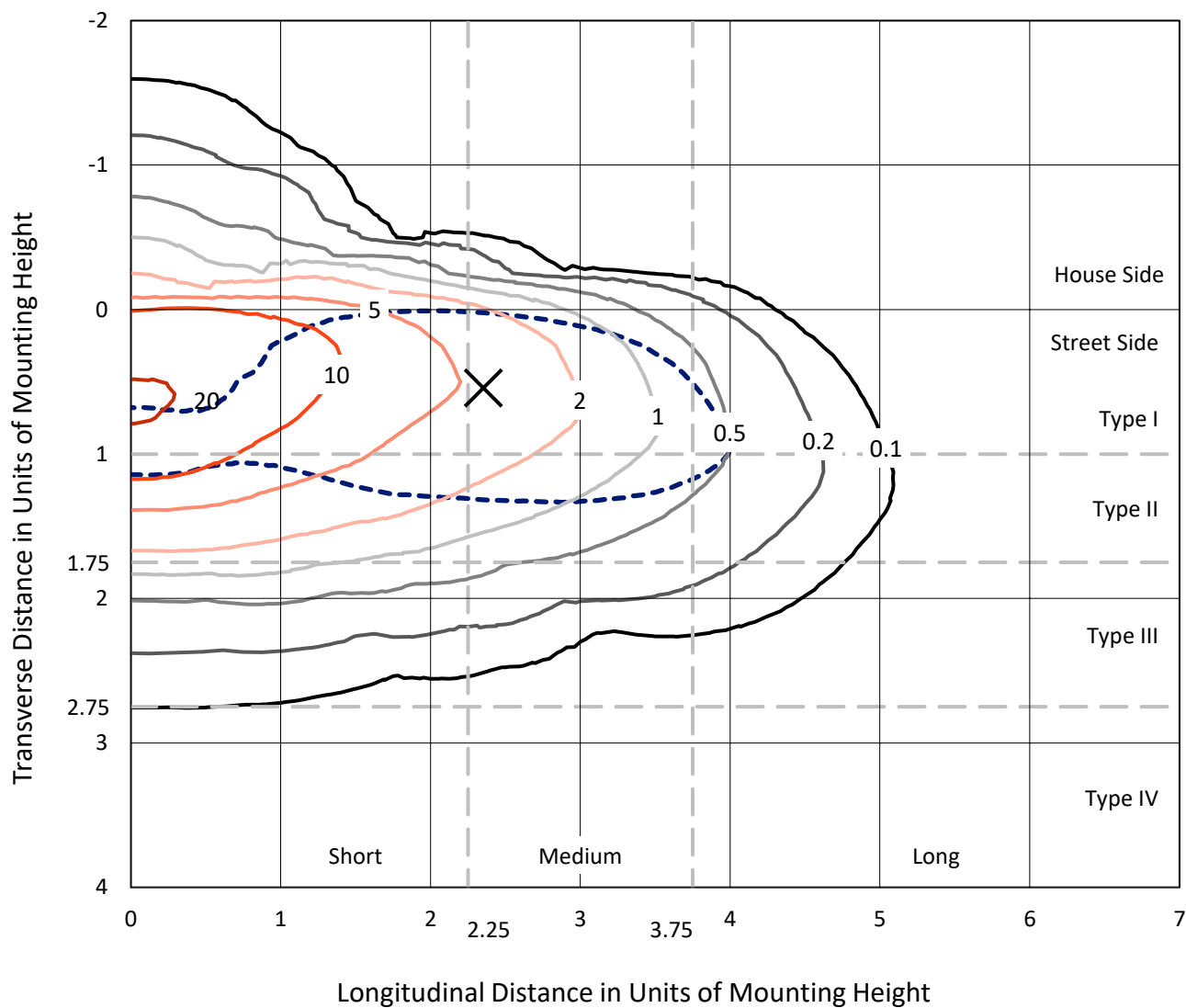
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Iso-Footcandle Lines of Horizontal Illumination

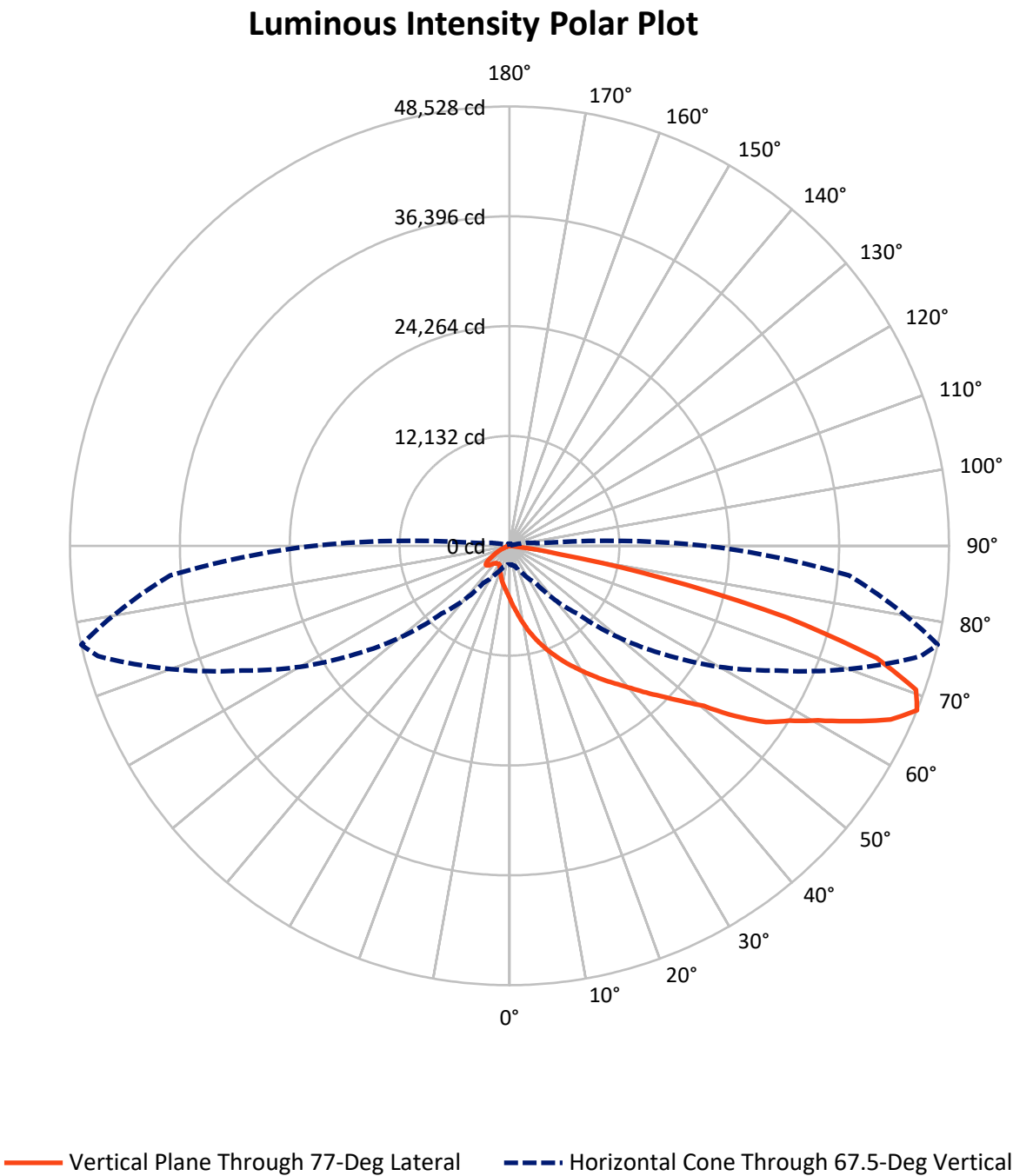
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.8 fc
Type II - Medium - N/A

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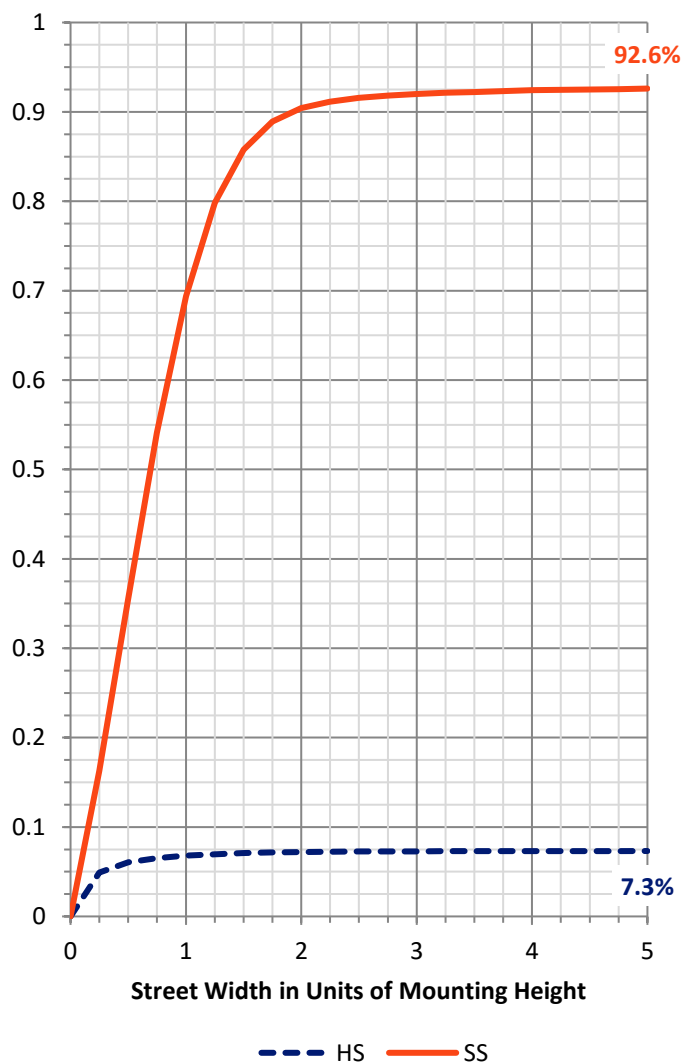
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3723.9	0.0	3723.9
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	46893.1	0.0	46893.1
	% Fixture	92.6	0.0	92.6
Total	Lumens	50617.0	0.0	50617.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	595.7	1.2
10°-20°	2086.2	4.1
20°-30°	4025.9	8.0
30°-40°	6989.2	13.8
40°-50°	10147.9	20.0
50°-60°	11653.6	23.0
60°-70°	10117.4	20.0
70°-80°	4765.4	9.4
80°-90°	235.7	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°	50617.0	100.0
0°-180°	50617.0	100.0

Coefficient of Utilization



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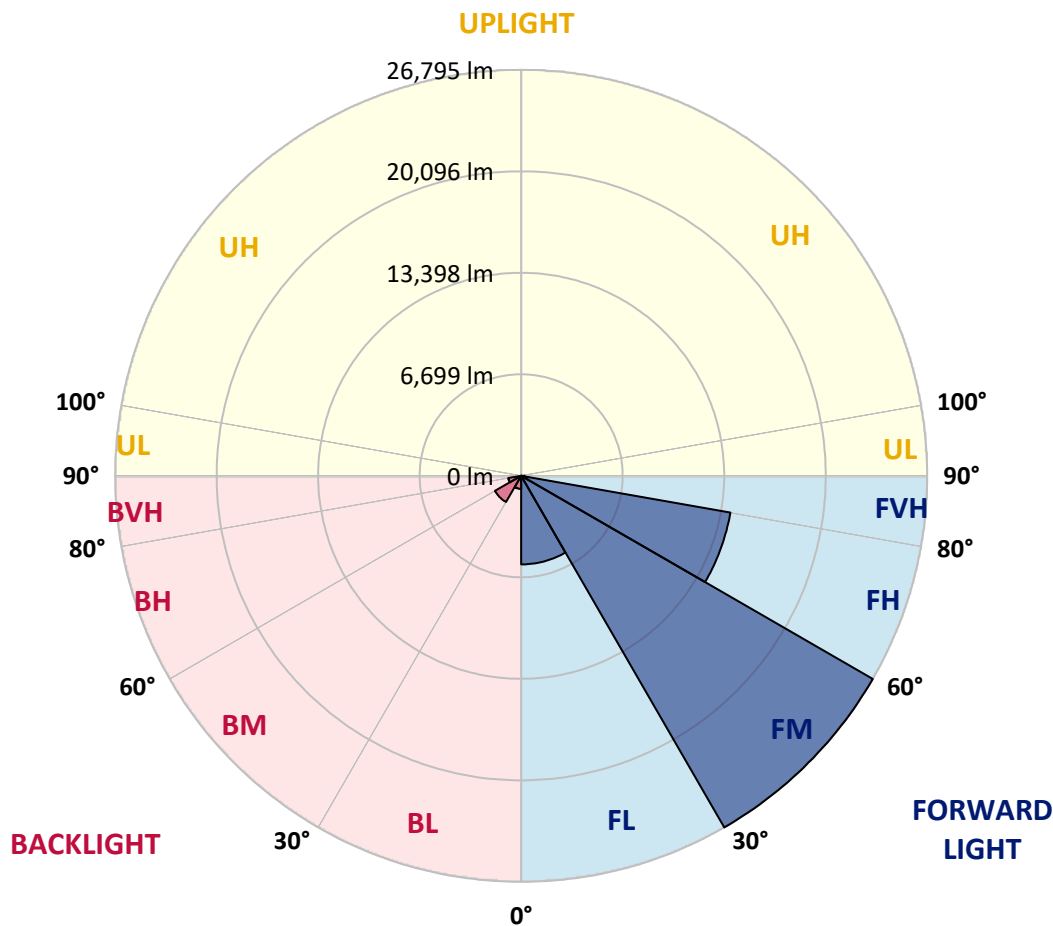
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5845.7	11.5			
FM	(30°-60°)	26795.3	52.9			
FH	(60°-80°)	14020.8	27.7			G5
FVH	(80°-90°)	231.3	0.5			G3/500
BL	(0°-30°)	862.1	1.7	B2/1000		
BM	(30°-60°)	1995.3	3.9	B2/2500		
BH	(60°-80°)	862.1	1.7	B2/1000		G2/1000
BVH	(80°-90°)	4.3	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	5836.9	5836.9	5836.9	5836.9	5836.9	5836.9	5836.9	5836.9	5836.9	5836.9	5836.9
2.5°	8081.1	8131.4	8059.1	7920.8	7713.4	7578.2	7248.2	6937.0	6591.2	6481.2	6135.5
5°	9850.7	9894.7	9813.0	9662.1	9385.5	9121.5	8687.7	8037.1	7361.3	7144.4	6531.5
7.5°	11161.4	11186.6	11155.1	11016.8	10752.8	10454.2	9970.2	9200.1	8197.4	7958.5	7018.7
10°	12104.4	12186.1	12176.7	12123.2	11947.2	11705.2	11189.7	10312.8	9134.1	8826.0	7568.8
12.5°	12729.9	12821.0	12874.5	12993.9	12984.5	12830.5	12377.8	11450.6	10067.6	9706.1	8188.0
15°	12912.2	13009.6	13213.9	13490.5	13735.7	13814.3	13496.8	12566.4	11095.4	10633.4	8822.9
17.5°	12808.5	12959.3	13204.5	13641.4	14178.9	14534.1	14499.5	13644.5	12028.9	11500.9	9445.3
20°	13037.9	13182.5	13374.2	13742.0	14367.5	15011.8	15269.6	14675.5	12956.2	12403.0	10099.0
22.5°	14307.8	14282.6	14301.5	14361.2	14735.2	15373.3	15904.5	15612.2	13874.0	13308.2	10790.5
25°	16319.4	16206.2	16014.5	15690.8	15596.5	15904.5	16457.7	16442.0	14842.1	14235.5	11497.8
27.5°	18626.5	18607.6	18158.1	17378.6	16938.6	16819.2	17083.2	17249.8	15800.8	15153.3	12208.1
30°	20836.1	20886.4	20279.8	19412.3	18604.5	18136.1	17897.3	18016.7	16775.1	16143.4	12940.5
32.5°	22759.8	22813.2	22153.1	21137.9	20138.4	19572.6	19069.7	18774.2	17837.5	17149.2	13745.1
35°	24384.8	24438.2	23680.7	22558.6	21493.1	20980.7	20411.8	19604.0	18906.2	18265.0	14640.9
37.5°	25836.9	25821.2	24806.0	23674.4	22627.7	22222.3	21923.7	20625.5	20006.3	19387.1	15634.2
40°	26695.0	26761.0	25893.5	24645.7	23630.4	23335.0	23316.1	21892.2	21276.2	20675.8	16721.7
42.5°	26946.5	27062.8	26434.1	25409.5	24488.5	24167.9	24661.4	23262.7	22753.5	22168.8	17950.7
45°	26493.9	26607.0	26321.0	25610.6	25073.1	24865.7	25818.1	24683.4	24331.4	23753.0	19336.8
47.5°	25173.7	25315.2	25384.3	25233.4	25227.2	25437.8	26855.3	26179.5	26204.7	25613.8	20943.0
50°	22618.3	22857.2	23492.1	24026.5	24853.1	25890.4	27864.3	27801.4	28316.9	27807.7	23036.4
52.5°	17972.7	18312.2	20499.8	21961.4	23819.0	25805.5	28973.8	30404.0	32022.7	31277.8	25987.8
55°	14442.9	14442.9	16221.9	18956.5	21801.1	25246.0	29457.9	32095.0	34546.7	34370.7	28065.4
57.5°	11774.4	11915.8	13050.5	15467.6	18881.1	23913.3	29756.5	33157.4	36580.3	36451.5	30095.9
60°	7267.0	7571.9	9715.6	12101.2	15558.7	21540.2	29567.9	34232.4	39047.7	39151.4	32541.3
62.5°	4092.4	4205.6	5161.1	8706.6	12098.1	18349.9	28125.2	34832.7	42203.5	42643.5	35062.2
65°	2825.7	2882.3	3250.0	5418.8	8386.0	14609.5	25305.7	34458.7	45365.5	46255.0	37199.5
67.5°	2052.5	2080.8	2310.2	3309.8	4975.7	10592.5	20886.4	32572.8	47040.8	48527.5	37608.1
70°	1577.9	1596.7	1763.3	2175.1	2938.9	6537.8	15169.0	28823.0	45827.6	47603.5	35514.8
72.5°	1282.4	1301.3	1430.1	1609.3	1948.8	3866.1	9193.8	23407.3	40471.6	42388.9	30234.2
75°	1081.3	1106.4	1222.7	1339.0	1527.6	2483.1	4312.4	16300.5	30435.4	31692.7	21024.7
77.5°	600.3	553.2	993.2	1109.5	1288.7	1571.6	2017.9	9593.0	17045.5	17394.4	9329.0
80°	374.0	386.6	788.9	892.7	990.1	792.1	924.1	3693.2	5909.2	5613.7	1807.3
82.5°	22.0	50.3	606.6	644.4	678.9	339.5	348.9	1254.1	1423.9	1307.6	320.6
85°	0.0	0.0	276.6	223.2	235.7	97.4	100.6	292.3	191.7	207.4	62.9
87.5°	0.0	0.0	0.0	6.3	0.0	9.4	18.9	25.1	9.4	12.6	22.0
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°	5836.9	5836.9	5836.9	5836.9	5836.9	5836.9	5836.9	5836.9	5836.9	5836.9	5836.9
2.5°	5915.5	5695.4	5249.1	4812.2	4457.0	4127.0	3891.3	3668.1	3554.9	3548.6	3542.4
5°	6094.6	5632.6	4739.9	3951.0	3316.1	2806.9	2476.8	2241.1	2121.6	2080.8	2074.5
7.5°	6346.1	5651.4	4293.6	3196.6	2448.5	2011.6	1823.0	1747.6	1722.5	1694.2	1687.9
10°	6663.5	5695.4	3894.4	2574.3	1929.9	1709.9	1634.5	1603.0	1584.2	1565.3	1559.0
12.5°	7018.7	5736.3	3498.4	2137.4	1697.3	1584.2	1530.7	1493.0	1467.9	1445.9	1439.6
15°	7364.5	5761.4	3086.6	1832.5	1577.9	1486.7	1430.1	1389.3	1354.7	1329.6	1326.4
17.5°	7707.1	5796.0	2700.0	1650.2	1480.4	1389.3	1332.7	1282.4	1254.1	1225.8	1222.7
20°	8087.4	5789.7	2335.4	1521.3	1383.0	1291.8	1232.1	1185.0	1156.7	1125.3	1122.1
22.5°	8439.4	5758.3	2014.8	1411.3	1282.4	1194.4	1128.4	1081.3	1053.0	1027.8	1024.7
25°	8844.9	5733.2	1747.6	1310.7	1188.1	1100.1	1027.8	983.8	952.4	930.4	927.2
27.5°	9234.7	5695.4	1552.7	1219.6	1097.0	1012.1	943.0	892.7	864.4	848.7	848.7
30°	9618.1	5686.0	1480.4	1131.5	1015.2	930.4	861.2	814.1	792.1	785.8	782.7
32.5°	10080.2	5711.2	1511.9	1100.1	939.8	854.9	788.9	754.4	732.4	732.4	732.4
35°	10573.7	5704.9	1559.0	1128.4	889.5	779.5	729.2	707.2	685.2	685.2	685.2
37.5°	11192.9	5714.3	1596.7	1175.5	870.7	716.6	688.4	660.1	647.5	647.5	647.5
40°	12117.0	6025.5	1577.9	1216.4	864.4	672.6	616.1	606.6	597.2	597.2	597.2
42.5°	13248.5	6701.3	1603.0	1219.6	861.2	641.2	565.8	584.6	562.6	559.5	556.3
45°	14486.9	7439.9	1763.3	1153.5	858.1	625.5	540.6	562.6	528.1	528.1	528.1
47.5°	15715.9	8172.3	1926.8	1059.3	848.7	622.3	518.6	506.1	496.6	499.8	499.8
50°	17410.1	8769.5	1989.6	930.4	826.7	616.1	477.8	480.9	474.6	480.9	480.9
52.5°	19255.1	8895.2	1914.2	785.8	763.8	597.2	449.5	462.0	458.9	465.2	465.2
55°	20405.5	8760.0	1581.0	653.8	666.4	521.8	421.2	446.3	446.3	446.3	446.3
57.5°	21593.6	8184.8	1122.1	531.2	553.2	427.5	396.0	430.6	427.5	424.3	424.3
60°	22448.6	7254.5	738.6	436.9	440.0	352.0	367.8	405.5	402.3	386.6	386.6
62.5°	23086.7	6226.6	474.6	370.9	336.3	317.5	336.3	367.8	355.2	320.6	314.3
65°	23014.4	4802.8	364.6	317.5	276.6	276.6	292.3	320.6	282.9	226.3	220.0
67.5°	21672.2	3250.0	301.7	267.2	232.6	229.5	242.0	267.2	242.0	191.7	185.4
70°	19274.0	2124.8	242.0	207.4	185.4	169.7	194.9	229.5	204.3	154.0	147.7
72.5°	15643.6	1295.0	182.3	150.9	135.2	110.0	154.0	188.6	163.4	113.2	106.9
75°	10121.0	660.1	125.7	97.4	72.3	66.0	113.2	141.4	113.2	69.1	59.7
77.5°	3872.4	276.6	69.1	44.0	37.7	31.4	62.9	84.9	47.1	15.7	12.6
80°	744.9	116.3	34.6	22.0	18.9	12.6	9.4	6.3	0.0	0.0	0.0
82.5°	128.9	37.7	12.6	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	44.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.7	0.0	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)