

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: P942454

Luminaire Tested: **GALN-SB6C-722-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942454
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6C-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27395 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

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



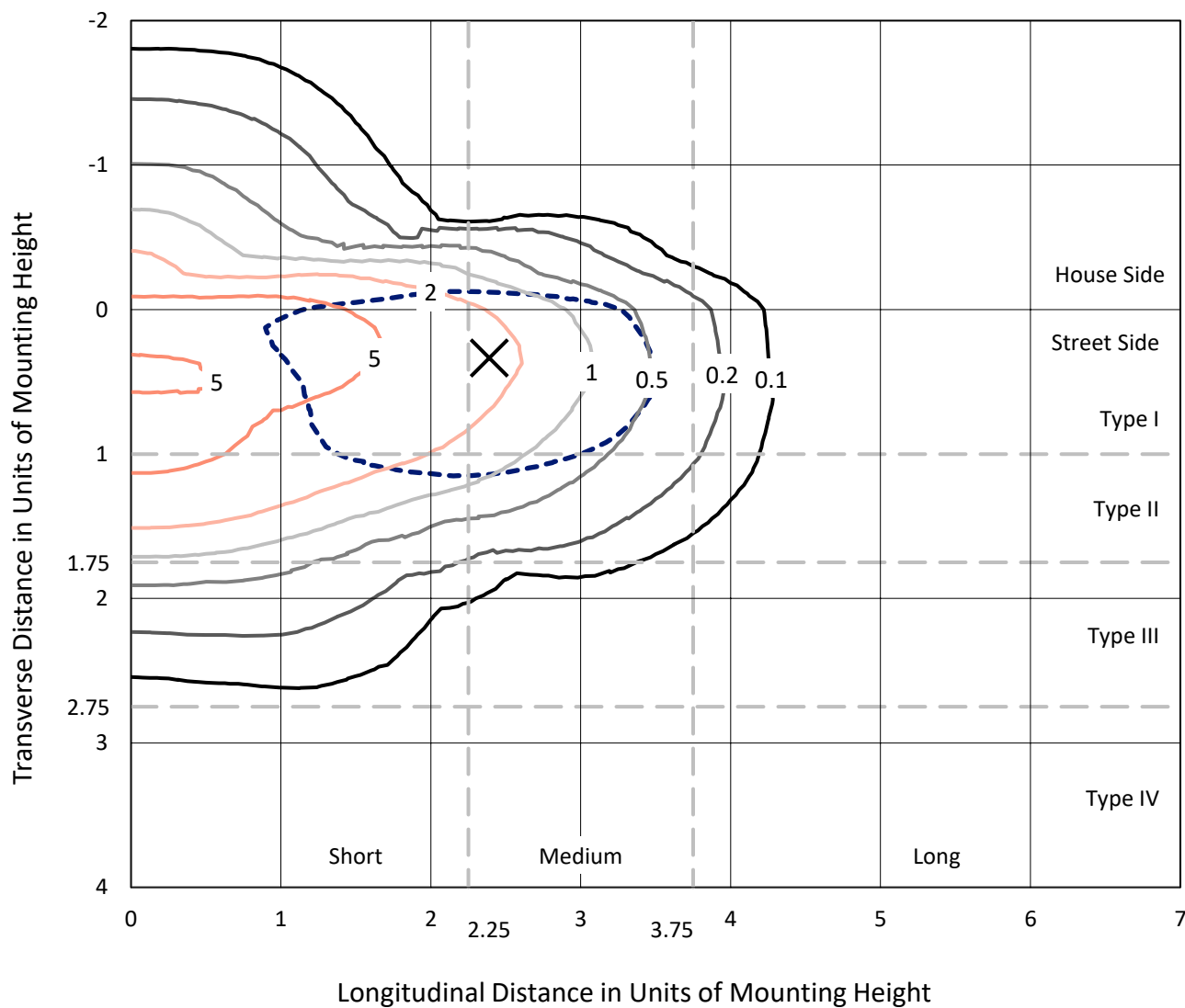
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

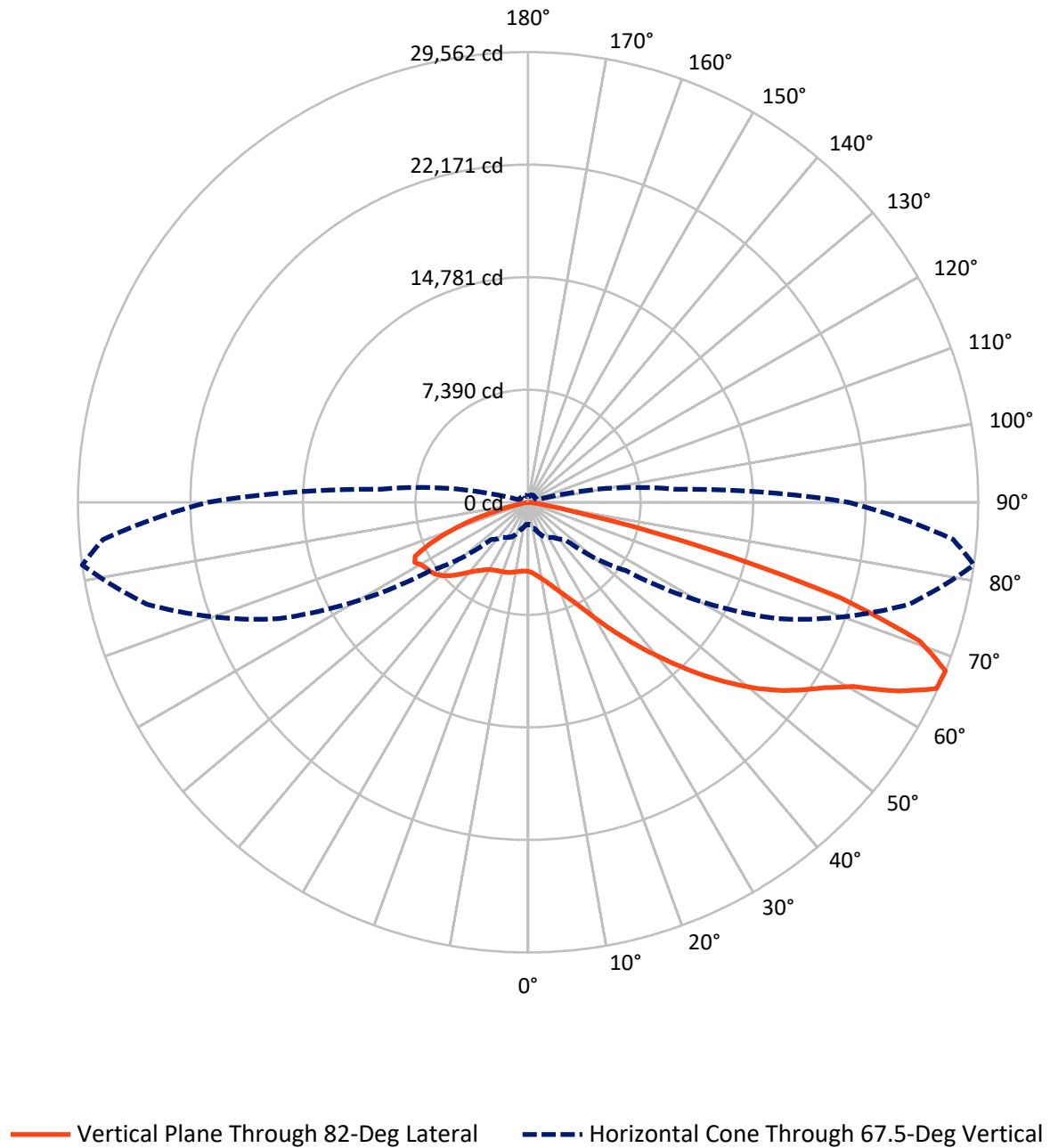


Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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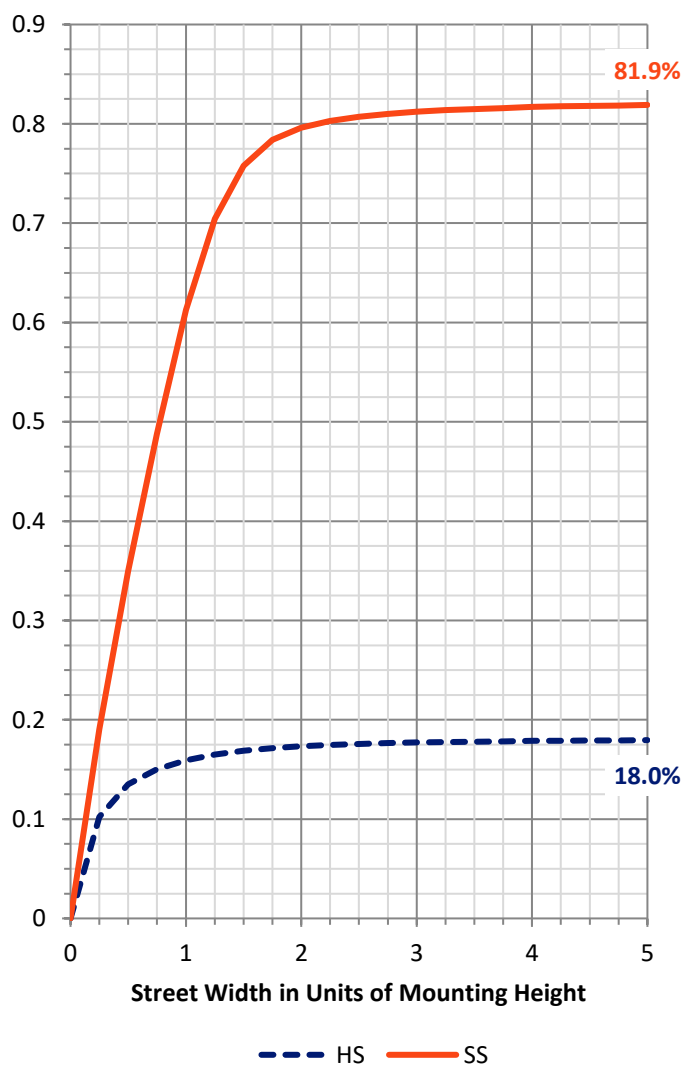
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4962.3	0.0	4962.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	22432.6	0.0	22432.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	27395.0	0.0	27395.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.3	1.5
10°-20°	1050.7	3.8
20°-30°	1682.9	6.1
30°-40°	2975.9	10.9
40°-50°	5214.1	19.0
50°-60°	6954.1	25.4
60°-70°	6473.9	23.6
70°-80°	2484.7	9.1
80°-90°	154.3	0.6
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°	27395.0	100.0
0°-180°	27395.0	100.0

Coefficient of Utilization



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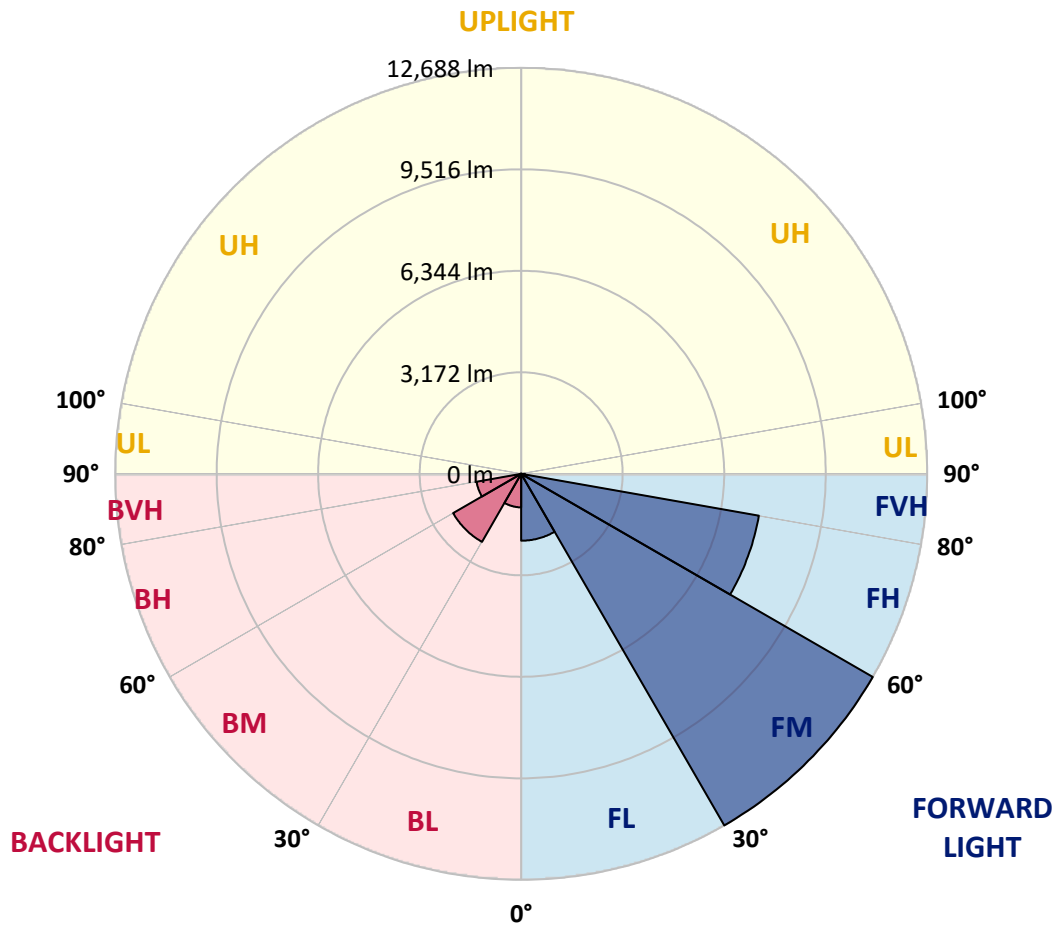
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2089.9	7.6			
FM	(30°-60°)	12688.2	46.3			
FH	(60°-80°)	7542.3	27.5			G4/12000
FVH	(80°-90°)	112.2	0.4			G2/225
BL	(0°-30°)	1048.0	3.8	B3/2500		
BM	(30°-60°)	2455.8	9.0	B2/2500		
BH	(60°-80°)	1416.3	5.2	B3/2500		G3/2500
BVH	(80°-90°)	42.1	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	4538.4	4538.4	4538.4	4538.4	4538.4	4538.4	4538.4	4538.4	4538.4	4538.4	4538.4
2.5°	4796.8	4824.4	4808.6	4800.7	4786.9	4767.2	4751.4	4702.1	4650.8	4617.3	4605.5
5°	4893.5	4921.1	4919.1	4927.0	4936.8	4942.8	4938.8	4883.6	4810.6	4753.4	4719.9
7.5°	4810.6	4842.2	4867.8	4907.3	4976.3	5049.3	5084.8	5072.9	4998.0	4919.1	4877.7
10°	4575.9	4609.4	4670.6	4763.3	4909.2	5067.0	5199.2	5260.3	5213.0	5126.2	5069.0
12.5°	4145.9	4179.5	4299.8	4500.9	4745.5	5019.7	5272.1	5435.9	5447.7	5360.9	5293.8
15°	3662.7	3696.2	3824.4	4076.9	4449.7	4889.5	5311.6	5621.3	5725.8	5650.8	5570.0
17.5°	3362.9	3392.5	3489.1	3692.3	4080.8	4629.2	5297.8	5818.5	6057.1	5998.0	5901.3
20°	3272.2	3297.8	3343.2	3485.2	3808.6	4358.9	5207.1	6003.9	6414.1	6380.6	6272.1
22.5°	3368.8	3392.5	3406.3	3469.4	3672.6	4181.4	5092.7	6193.2	6828.3	6832.3	6700.1
25°	3591.7	3615.4	3599.6	3639.0	3727.8	4126.2	5049.3	6416.1	7349.1	7392.4	7242.5
27.5°	3958.5	3960.5	3923.0	3921.1	3934.9	4209.0	5094.6	6654.8	8005.9	8086.7	7901.3
30°	4694.2	4664.7	4520.7	4364.9	4293.9	4457.6	5220.9	6936.8	8781.0	8925.0	8692.2
32.5°	5828.4	5785.0	5520.7	5147.9	4773.1	4857.9	5447.7	7258.3	9625.2	9885.5	9601.5
35°	7059.1	7047.3	6771.1	6216.9	5562.1	5428.0	5816.5	7680.4	10546.3	10960.5	10623.2
37.5°	8203.1	8197.2	8039.4	7386.5	6589.7	6222.8	6408.2	8232.7	11532.5	12132.1	11733.6
40°	9248.4	9266.2	9108.4	8524.6	7721.8	7242.5	7213.0	8915.1	12629.1	13408.2	12934.8
42.5°	10151.8	10171.5	10011.8	9579.8	8840.2	8370.7	8201.1	9751.4	13700.1	14779.0	14218.8
45°	10765.2	10887.5	10863.8	10518.7	9988.1	9500.9	9388.5	10800.7	14921.0	16232.6	15575.8
47.5°	10938.8	11051.2	11228.7	11276.0	10952.6	10473.3	10607.4	12065.0	16155.7	17688.2	16940.7
50°	10510.8	10615.3	10984.1	11475.3	11700.1	11552.2	11792.8	13420.0	17420.0	19139.9	18279.9
52.5°	9666.6	9773.1	10238.6	11015.7	11932.8	12398.3	12982.1	14755.3	18644.8	20514.6	19548.2
55°	8445.7	8558.1	9155.7	10035.4	11489.1	12747.4	13974.2	16088.6	19767.1	21751.3	20692.1
57.5°	6785.0	6867.8	7489.1	8719.8	10372.7	12400.3	14706.0	17544.2	20824.3	22966.3	21826.3
60°	4422.1	4495.0	5216.9	6589.7	8522.6	11240.5	14851.9	19167.5	22228.6	24546.2	23354.8
62.5°	2940.8	2990.1	3418.1	4426.0	6001.9	9013.7	13997.9	20463.3	24287.8	27295.6	25976.1
65°	2017.7	2067.0	2495.0	3197.2	3877.7	5962.5	11542.3	20291.7	26153.6	29479.0	27918.9
67.5°	1439.8	1481.3	1844.2	2506.9	2806.7	3463.5	7824.4	18098.5	25885.4	29561.9	28023.4
70°	1031.5	1055.2	1355.0	1952.6	2230.8	2080.9	4351.0	13842.1	22664.5	27297.6	25889.3
72.5°	721.9	729.8	940.8	1487.2	1796.8	1518.7	2071.0	9228.7	17141.9	21425.9	20070.8
75°	489.1	499.0	633.1	1090.7	1441.8	1159.8	1096.6	4948.7	10063.0	11859.9	10631.1
77.5°	299.8	303.7	408.3	745.6	1078.9	883.6	706.1	2096.6	3893.5	3822.5	3258.4
80°	169.6	169.6	260.4	463.5	735.7	570.0	495.1	891.5	1232.7	1082.8	954.6
82.5°	94.7	96.6	189.3	288.0	487.2	337.3	272.2	412.2	532.5	471.4	410.3
85°	39.4	43.4	116.4	136.1	232.7	167.7	110.5	173.6	197.2	175.5	128.2
87.5°	3.9	5.9	35.5	25.6	27.6	33.5	15.8	33.5	27.6	27.6	19.7
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°	4538.4	4538.4	4538.4	4538.4	4538.4	4538.4	4538.4	4538.4	4538.4	4538.4	4538.4
2.5°	4568.0	4538.4	4463.5	4376.7	4262.3	4207.1	4132.1	4080.8	4037.4	4041.4	4001.9
5°	4656.8	4581.8	4414.2	4205.1	3944.7	3759.3	3562.1	3426.0	3315.6	3291.9	3238.6
7.5°	4779.1	4660.7	4366.8	3990.1	3550.3	3216.9	2919.1	2727.8	2591.7	2548.3	2504.9
10°	4936.8	4765.2	4305.7	3719.9	3086.8	2662.7	2343.2	2193.3	2100.6	2069.0	2045.3
12.5°	5120.3	4885.6	4224.8	3390.5	2609.4	2201.2	1998.0	1923.1	1893.5	1883.6	1877.7
15°	5351.0	5035.5	4102.5	3000.0	2205.1	1919.1	1832.3	1822.5	1826.4	1822.5	1820.5
17.5°	5625.2	5199.2	3903.3	2597.6	1932.9	1775.1	1743.6	1751.5	1761.3	1759.4	1755.4
20°	5925.0	5360.9	3648.9	2240.6	1747.5	1672.6	1654.8	1662.7	1670.6	1666.7	1664.7
22.5°	6266.2	5534.5	3366.8	1962.5	1623.3	1577.9	1558.2	1560.1	1560.1	1552.3	1548.3
25°	6674.5	5725.8	3071.0	1765.3	1528.6	1493.1	1469.4	1461.5	1449.7	1426.0	1422.1
27.5°	7161.7	5928.9	2787.0	1627.2	1453.6	1420.1	1392.5	1372.8	1343.2	1303.7	1299.8
30°	7710.0	6175.5	2546.3	1540.4	1394.5	1360.9	1329.4	1299.8	1256.4	1207.1	1203.1
32.5°	8355.0	6439.8	2370.8	1483.2	1341.2	1305.7	1268.2	1232.7	1185.4	1136.1	1138.1
35°	9124.2	6759.3	2268.2	1443.8	1299.8	1252.5	1211.0	1171.6	1136.1	1092.7	1088.7
37.5°	9958.5	7098.6	2236.7	1424.1	1272.2	1199.2	1151.9	1124.3	1120.3	1094.7	1092.7
40°	10871.7	7500.9	2260.3	1412.2	1242.6	1147.9	1096.6	1090.7	1100.6	1055.2	1057.2
42.5°	11838.2	7978.2	2299.8	1398.4	1201.2	1096.6	1047.3	1047.3	1039.4	976.3	976.3
45°	12883.5	8528.5	2339.2	1364.9	1151.9	1045.4	1007.9	994.1	960.5	899.4	897.4
47.5°	13936.8	9088.7	2368.8	1303.7	1092.7	1002.0	968.4	936.9	887.6	832.3	830.4
50°	14936.8	9591.6	2337.3	1213.0	1025.6	960.5	925.0	881.6	828.4	790.9	785.0
52.5°	15830.2	10027.5	2203.1	1106.5	954.6	917.2	885.6	840.2	796.8	757.4	753.4
55°	16607.4	10380.6	1966.5	1005.9	891.5	879.7	848.1	790.9	731.7	698.2	694.3
57.5°	17352.9	10648.8	1670.6	923.1	834.3	838.3	790.9	739.6	684.4	648.9	645.0
60°	18345.0	11007.8	1370.8	846.1	773.2	785.0	733.7	696.2	627.2	581.8	575.9
62.5°	19930.8	11566.0	1088.7	751.5	702.2	706.1	684.4	639.0	556.2	503.0	499.0
65°	21189.2	11360.9	858.0	648.9	621.3	627.2	627.2	577.9	489.1	428.0	422.1
67.5°	21047.2	9727.7	684.4	548.3	544.4	548.3	562.1	520.7	433.9	384.6	376.7
70°	19388.4	7737.6	548.3	455.6	473.4	463.5	503.0	475.3	390.5	341.2	335.3
72.5°	15820.4	5573.9	418.1	376.7	362.9	378.7	453.6	428.0	325.4	270.2	264.3
75°	9244.5	2974.3	311.6	297.8	262.3	315.6	402.4	364.9	248.5	199.2	193.3
77.5°	3009.8	1037.5	228.8	218.9	195.3	254.4	343.2	307.7	203.2	157.8	151.9
80°	806.7	313.6	155.8	144.0	126.2	189.3	272.2	244.6	146.0	102.6	100.6
82.5°	323.5	132.1	90.7	80.9	69.0	130.2	215.0	197.2	108.5	65.1	65.1
85°	104.5	43.4	33.5	25.6	31.6	80.9	128.2	134.1	76.9	33.5	25.6
87.5°	13.8	5.9	5.9	7.9	5.9	13.8	39.4	37.5	21.7	3.9	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)