

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P642991

Luminaire Tested: GWS-SA6E-722-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642991
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-40)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-722-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19964.4 lumens
Efficiency: N/A
Efficacy: 61.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

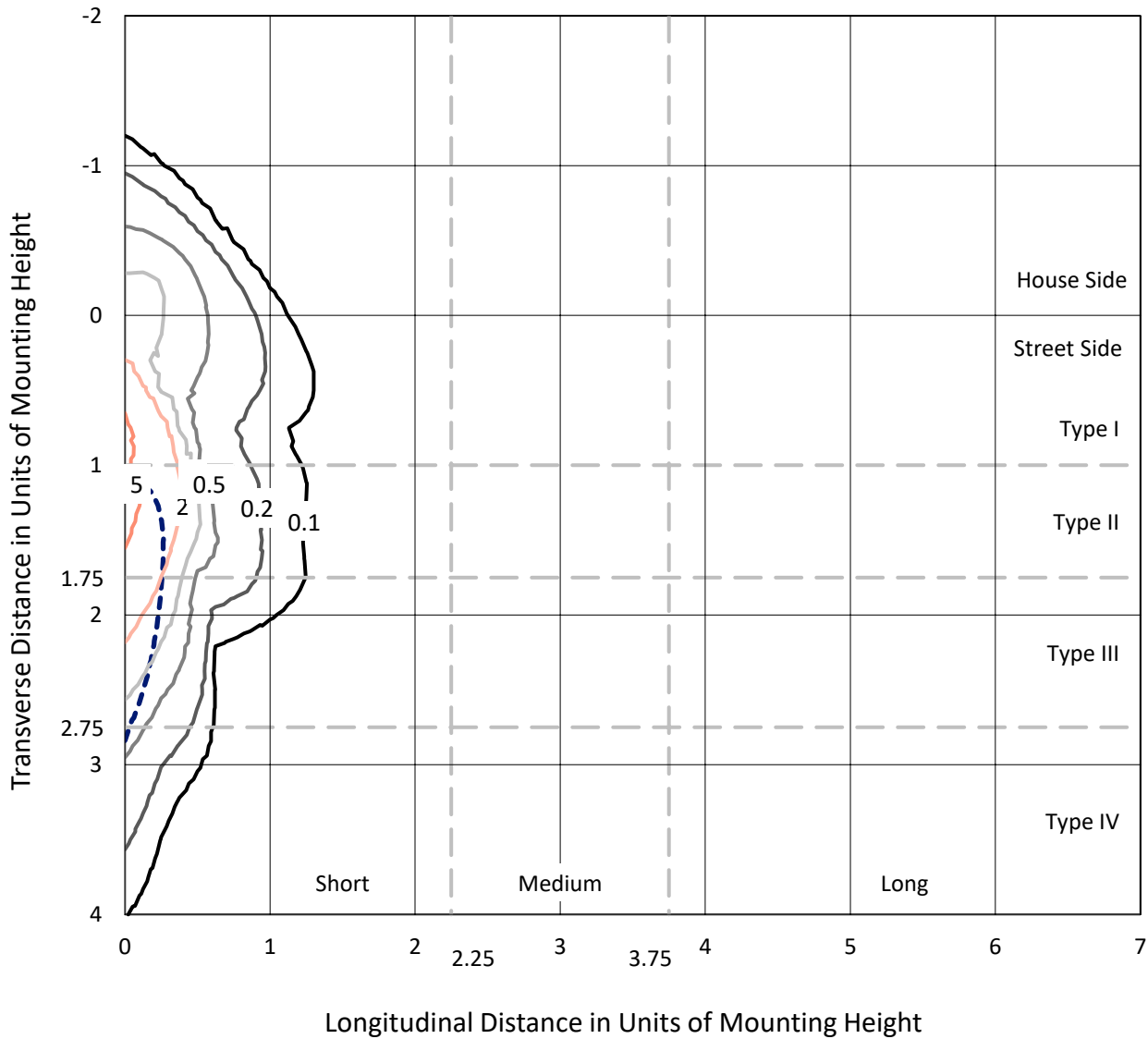
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

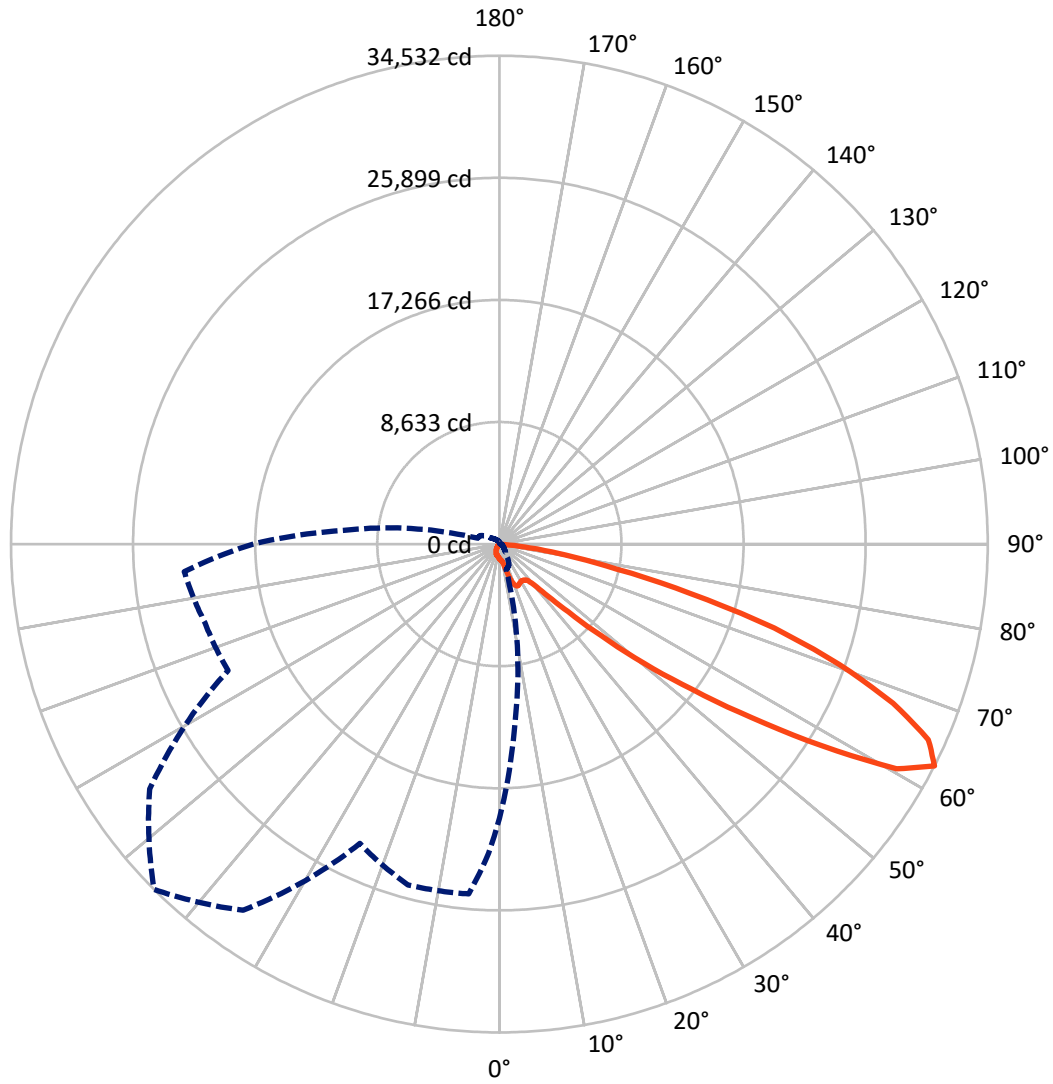
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2319.6	0.0	2319.6
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	17644.8	0.0	17644.8
	% Fixture	88.4	0.0	88.4
Total	Lumens	19964.4	0.0	19964.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	0.4
10°-20°	306.5	1.5
20°-30°	692.3	3.5
30°-40°	1192.7	6.0
40°-50°	2249.8	11.3
50°-60°	5023.2	25.2
60°-70°	6718.5	33.7
70°-80°	3369.1	16.9
80°-90°	322.9	1.6
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°	19964.4	100.0
0°-180°	19964.4	100.0

Coefficient of Utilization



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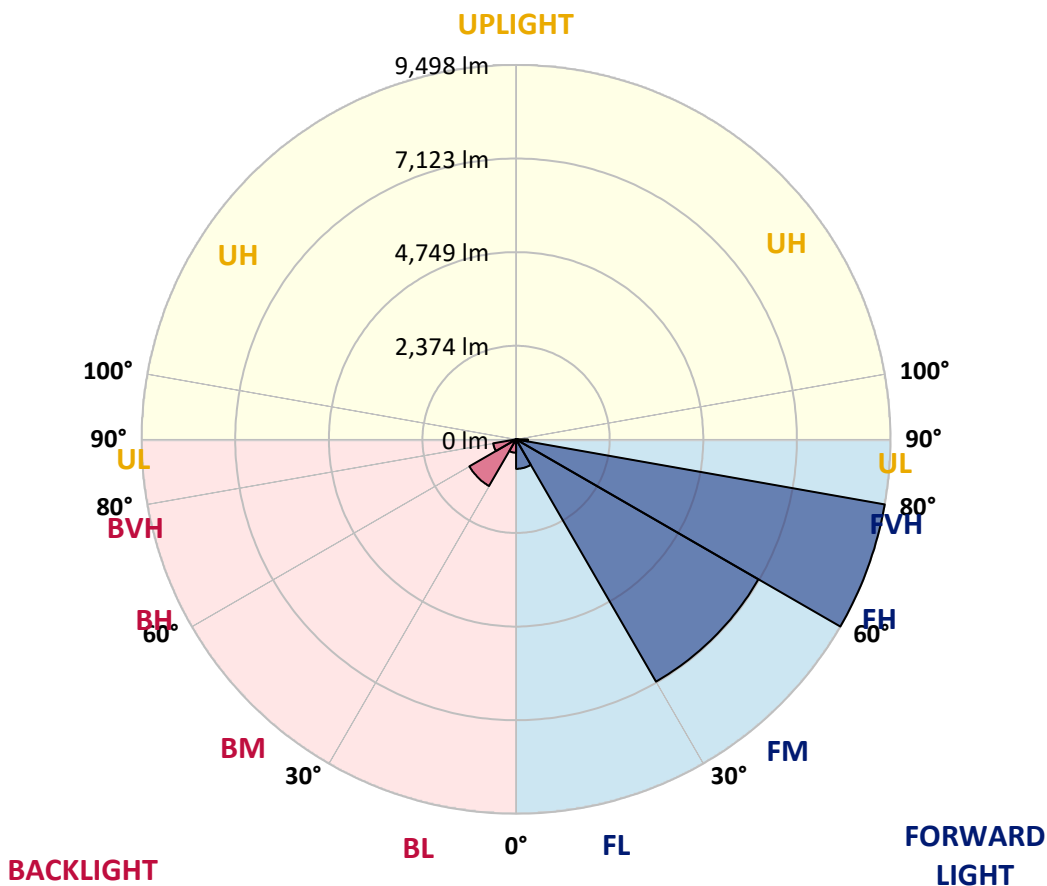
CATALOG NUMBER: GWS-SA6E-722-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	747.7	3.7			
FM (30°-60°)	7097.9	35.6			
FH (60°-80°)	9497.7	47.6			G4/12000
FVH (80°-90°)	301.4	1.5			G3/500
BL (0°-30°)	340.5	1.7	B1/500		
BM (30°-60°)	1367.8	6.9	B2/2500		
BH (60°-80°)	589.9	3.0	B2/1000		G2/1000
BVH (80°-90°)	21.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4
2.5°	1023.6	1021.2	1016.5	1002.3	990.5	983.4	969.2	969.2	966.8	962.1	952.6
5°	990.5	981.0	971.6	945.6	917.2	900.6	881.7	879.4	879.4	874.6	872.3
7.5°	938.5	929.0	917.2	874.6	848.6	832.1	815.5	813.2	806.1	806.1	806.1
10°	910.1	895.9	877.0	829.7	803.7	789.5	777.7	770.6	765.9	758.8	756.4
12.5°	971.6	945.6	905.4	820.3	784.8	765.9	751.7	747.0	732.8	723.3	716.3
15°	1163.0	1099.2	1018.8	841.5	777.7	749.4	730.4	721.0	709.2	692.6	680.8
17.5°	1477.4	1385.2	1250.5	910.1	770.6	735.2	711.5	695.0	678.4	659.5	645.3
20°	1912.4	1775.3	1614.5	1035.4	770.6	718.6	690.3	669.0	645.3	624.1	607.5
22.5°	2465.5	2328.4	2054.2	1248.1	780.1	697.3	664.3	635.9	607.5	588.6	569.7
25°	3084.9	2891.0	2635.7	1505.8	806.1	669.0	633.5	605.2	579.2	555.5	534.2
27.5°	3775.1	3564.7	3224.3	1872.2	862.8	640.6	600.4	574.4	550.8	527.1	498.8
30°	4411.0	4285.7	3938.2	2311.9	955.0	621.7	574.4	550.8	527.1	496.4	470.4
32.5°	5174.5	4952.3	4666.3	2813.0	1077.9	602.8	553.1	520.1	501.1	472.8	444.4
35°	5942.8	5753.7	5377.8	3430.0	1215.0	583.9	527.1	496.4	479.9	446.8	416.0
37.5°	6734.7	6692.2	6321.0	4113.2	1349.8	562.6	496.4	477.5	461.0	423.1	387.7
40°	7514.8	7436.8	7094.0	4893.2	1432.5	539.0	470.4	458.6	439.7	397.1	356.9
42.5°	8261.8	8202.7	7869.4	5640.2	1420.7	517.7	444.4	430.2	416.0	373.5	323.9
45°	9179.0	9082.1	8661.3	6193.4	1300.1	541.3	418.4	394.8	392.4	352.2	290.8
47.5°	10895.2	10576.0	9862.1	6618.9	1179.6	602.8	390.0	361.7	378.2	330.9	257.7
50°	13299.2	12923.4	11890.4	6949.8	1177.2	683.2	385.3	330.9	366.4	314.4	229.3
52.5°	15715.1	15053.2	13798.0	7127.1	1264.7	742.3	427.9	300.2	352.2	297.8	208.0
55°	18029.4	16655.9	14597.0	6540.9	1333.2	806.1	505.9	283.7	326.2	278.9	196.2
57.5°	20234.9	17944.3	14944.5	5174.5	1562.5	832.1	553.1	290.8	288.4	255.3	186.7
60°	20537.4	17882.8	14242.4	3009.2	1723.3	787.2	534.2	323.9	252.9	226.9	170.2
62.5°	19393.3	16693.8	12642.1	1876.9	1600.4	770.6	475.1	368.8	229.3	200.9	148.9
65°	17655.9	14828.7	10540.6	1210.3	1212.7	855.7	416.0	361.7	215.1	177.3	127.6
67.5°	14939.8	12410.4	8304.3	810.8	685.5	730.4	364.0	248.2	210.4	151.3	99.3
70°	10904.6	8833.8	5406.2	541.3	409.0	583.9	304.9	177.3	198.6	125.3	70.9
72.5°	7971.0	5935.7	3018.7	354.6	231.7	340.4	224.6	127.6	153.7	92.2	49.6
75°	5737.2	4084.8	1723.3	226.9	153.7	186.7	146.6	87.5	99.3	73.3	44.9
77.5°	2761.0	1990.4	782.4	125.3	104.0	94.6	78.0	54.4	61.5	66.2	40.2
80°	104.0	78.0	59.1	61.5	66.2	42.5	35.5	28.4	35.5	44.9	21.3
82.5°	0.0	0.0	0.0	7.1	9.5	11.8	14.2	11.8	14.2	16.5	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4
2.5°	959.7	955.0	959.7	964.5	969.2	973.9	966.8	971.6	976.3	964.5	969.2
5°	884.1	881.7	895.9	903.0	912.5	917.2	912.5	912.5	910.1	895.9	895.9
7.5°	817.9	820.3	832.1	848.6	860.5	867.5	862.8	860.5	853.4	832.1	832.1
10°	768.3	768.3	787.2	801.4	817.9	825.0	820.3	813.2	806.1	784.8	782.4
12.5°	728.1	728.1	742.3	765.9	784.8	794.3	791.9	782.4	770.6	749.4	747.0
15°	690.3	687.9	709.2	730.4	756.4	768.3	763.5	756.4	735.2	716.3	711.5
17.5°	652.4	650.1	669.0	697.3	725.7	742.3	739.9	723.3	704.4	680.8	676.1
20°	614.6	609.9	633.5	661.9	690.3	706.8	702.1	687.9	664.3	640.6	635.9
22.5°	576.8	574.4	591.0	614.6	640.6	654.8	652.4	640.6	617.0	595.7	595.7
25°	534.2	534.2	546.1	562.6	581.5	588.6	591.0	586.2	572.1	560.2	560.2
27.5°	498.8	491.7	496.4	501.1	510.6	522.4	522.4	527.1	529.5	524.8	527.1
30°	470.4	458.6	451.5	442.0	437.3	442.0	446.8	463.3	479.9	489.3	494.1
32.5°	437.3	423.1	404.2	378.2	361.7	356.9	371.1	401.9	432.6	453.9	465.7
35°	404.2	385.3	349.9	312.0	290.8	283.7	300.2	335.7	380.6	418.4	435.0
37.5°	371.1	345.1	295.5	250.6	226.9	222.2	238.8	276.6	328.6	380.6	401.9
40°	333.3	302.6	243.5	196.2	177.3	172.6	186.7	224.6	278.9	338.0	371.1
42.5°	295.5	257.7	196.2	156.0	137.1	137.1	156.0	184.4	234.0	297.8	338.0
45°	257.7	217.5	160.7	125.3	113.5	115.8	127.6	156.0	196.2	262.4	300.2
47.5°	222.2	186.7	132.4	104.0	94.6	96.9	111.1	134.7	167.8	226.9	267.1
50°	191.5	158.4	115.8	87.5	80.4	85.1	99.3	120.6	148.9	200.9	234.0
52.5°	172.6	141.8	106.4	75.6	70.9	75.6	89.8	108.7	134.7	177.3	210.4
55°	163.1	139.5	106.4	68.6	61.5	66.2	80.4	99.3	120.6	160.7	189.1
57.5°	160.7	144.2	113.5	61.5	52.0	56.7	70.9	89.8	111.1	146.6	170.2
60°	151.3	137.1	111.1	49.6	40.2	47.3	59.1	78.0	101.6	137.1	158.4
62.5°	132.4	120.6	96.9	40.2	30.7	35.5	49.6	68.6	92.2	125.3	148.9
65°	108.7	96.9	75.6	26.0	18.9	23.6	37.8	59.1	80.4	113.5	134.7
67.5°	80.4	68.6	52.0	16.5	9.5	16.5	30.7	49.6	73.3	101.6	122.9
70°	49.6	40.2	28.4	9.5	7.1	14.2	28.4	47.3	66.2	94.6	115.8
72.5°	28.4	18.9	11.8	4.7	7.1	14.2	28.4	47.3	63.8	89.8	108.7
75°	21.3	11.8	4.7	2.4	4.7	11.8	26.0	42.5	61.5	85.1	104.0
77.5°	14.2	7.1	2.4	0.0	2.4	9.5	23.6	40.2	56.7	80.4	99.3
80°	2.4	0.0	0.0	0.0	0.0	7.1	21.3	35.5	52.0	70.9	87.5
82.5°	0.0	0.0	0.0	0.0	0.0	2.4	16.5	30.7	44.9	59.1	70.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	9.5	23.6	35.5	44.9	49.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	23.6	28.4	33.1
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4
2.5°	966.8	981.0	981.0	990.5	1002.3	1023.6	1035.4	1051.9	1063.7	1075.6	1080.3
5°	893.5	895.9	898.3	903.0	917.2	940.8	962.1	988.1	1018.8	1042.5	1056.7
7.5°	832.1	832.1	832.1	839.2	853.4	869.9	891.2	926.6	962.1	990.5	1014.1
10°	780.1	787.2	789.5	801.4	817.9	839.2	862.8	893.5	933.7	971.6	1014.1
12.5°	747.0	754.1	765.9	777.7	794.3	817.9	843.9	884.1	966.8	1044.8	1134.7
15°	716.3	725.7	739.9	756.4	775.4	801.4	829.7	912.5	1106.3	1252.9	1394.7
17.5°	683.2	697.3	716.3	732.8	756.4	784.8	820.3	981.0	1361.6	1605.1	1846.2
20°	640.6	659.5	680.8	706.8	735.2	768.3	820.3	1122.8	1730.4	2080.2	2399.3
22.5°	600.4	619.3	645.3	678.4	711.5	744.6	832.1	1338.0	2205.5	2647.6	3051.8
25°	567.3	591.0	617.0	645.3	683.2	721.0	860.5	1640.5	2777.6	3347.3	3633.3
27.5°	536.6	565.0	591.0	614.6	647.7	690.3	924.3	2044.8	3453.6	4032.8	4257.4
30°	505.9	539.0	565.0	588.6	621.7	666.6	1021.2	2560.1	4205.4	4768.0	4791.6
32.5°	479.9	510.6	541.3	565.0	595.7	647.7	1155.9	3162.9	4976.0	5519.7	5297.5
35°	451.5	487.0	515.3	541.3	574.4	631.2	1312.0	3812.9	5753.7	6209.9	5801.0
37.5°	423.1	463.3	498.8	517.7	550.8	614.6	1425.4	4491.4	6548.0	6883.6	6243.0
40°	397.1	442.0	482.2	501.1	517.7	593.3	1442.0	5186.4	7354.1	7547.9	6659.1
42.5°	368.8	418.4	453.9	479.9	494.1	579.2	1342.7	5772.6	8030.1	8209.8	7202.8
45°	338.0	397.1	425.5	444.4	472.8	588.6	1215.0	6226.5	8803.1	9112.8	8098.7
47.5°	307.3	373.5	397.1	411.3	449.1	645.3	1167.8	6529.1	10077.2	10720.2	9609.2
50°	278.9	352.2	378.2	375.9	444.4	718.6	1219.8	6758.4	11992.0	12748.4	11680.0
52.5°	248.2	328.6	359.3	349.9	479.9	775.4	1323.8	6940.4	13464.7	15126.5	14462.3
55°	222.2	302.6	330.9	328.6	546.1	817.9	1404.1	5980.6	14074.6	17336.7	17596.8
57.5°	203.3	274.2	297.8	338.0	588.6	817.9	1624.0	4245.5	14086.4	18963.1	21757.2
60°	186.7	248.2	264.8	371.1	572.1	775.4	1607.4	2600.3	12982.5	18852.0	23969.8
62.5°	172.6	224.6	245.8	380.6	505.9	768.3	1451.4	1612.2	11072.4	17417.1	22364.7
65°	160.7	205.7	236.4	349.9	458.6	822.6	978.6	1158.3	8980.4	15781.3	20523.3
67.5°	148.9	189.1	250.6	286.0	416.0	735.2	706.8	822.6	7049.1	13987.1	18833.1
70°	139.5	179.7	264.8	234.0	364.0	574.4	501.1	624.1	5396.8	11670.5	16452.7
72.5°	132.4	167.8	222.2	184.4	295.5	444.4	349.9	453.9	3526.9	9110.4	13412.7
75°	125.3	153.7	163.1	148.9	219.8	290.8	264.8	304.9	2101.5	6659.1	10176.5
77.5°	122.9	144.2	132.4	120.6	148.9	172.6	200.9	205.7	1025.9	3330.7	5332.9
80°	108.7	130.0	113.5	99.3	101.6	113.5	148.9	137.1	234.0	846.3	1423.1
82.5°	85.1	101.6	94.6	82.7	82.7	82.7	99.3	92.2	75.6	380.6	643.0
85°	59.1	70.9	70.9	66.2	63.8	63.8	61.5	59.1	21.3	23.6	35.5
87.5°	40.2	49.6	52.0	49.6	42.5	37.8	33.1	28.4	9.5	0.0	4.7
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):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4
2.5°	1096.8	1103.9	1103.9	1094.5	1087.4	1068.5	1049.6	1030.7	1025.9	1023.6
5°	1096.8	1125.2	1139.4	1137.0	1120.5	1089.8	1049.6	1007.0	995.2	990.5
7.5°	1080.3	1134.7	1177.2	1184.3	1153.6	1099.2	1025.9	962.1	945.6	938.5
10°	1118.1	1224.5	1309.6	1321.4	1286.0	1179.6	1061.4	952.6	926.6	910.1
12.5°	1321.4	1496.3	1600.4	1650.0	1581.4	1446.7	1250.5	1056.7	997.6	971.6
15°	1732.7	1980.9	2179.5	2179.5	2115.7	1876.9	1628.7	1314.3	1233.9	1163.0
17.5°	2259.9	2571.9	2746.8	2727.9	2631.0	2463.2	2165.3	1713.8	1550.7	1477.4
20°	2860.3	3047.1	3087.2	3075.4	3032.9	2935.9	2730.3	2245.7	2025.9	1912.4
22.5°	3380.4	3330.7	3271.6	3224.3	3212.5	3240.9	3212.5	2839.0	2666.5	2465.5
25°	3732.6	3451.3	3274.0	3188.9	3229.1	3392.2	3569.5	3430.0	3292.9	3084.9
27.5°	3924.1	3437.1	3181.8	3094.3	3162.9	3394.5	3779.9	4016.2	3874.4	3775.1
30°	4028.1	3425.3	3122.7	3037.6	3141.6	3432.4	3926.4	4564.7	4569.4	4411.0
32.5°	4177.0	3500.9	3134.5	3056.5	3196.0	3545.8	4110.8	5122.5	5259.6	5174.5
35°	4344.8	3616.7	3188.9	3118.0	3290.5	3697.1	4316.5	5685.1	5971.2	5942.8
37.5°	4503.2	3746.8	3316.5	3248.0	3434.7	3827.1	4515.0	6238.3	6635.4	6734.7
40°	4668.7	3928.8	3708.9	3775.1	3879.1	4032.8	4692.3	6718.2	7365.9	7514.8
42.5°	5058.7	4559.9	4895.6	5020.9	5035.1	4718.3	5080.0	7332.8	8084.5	8261.8
45°	5928.6	5682.8	6644.9	6822.2	6730.0	5770.2	6013.7	8219.2	9089.1	9179.0
47.5°	7027.8	7141.3	9039.5	9651.8	9098.6	7011.3	7146.0	10084.3	10928.2	10895.2
50°	8309.1	8845.7	11758.0	13202.3	11878.5	8623.5	8450.9	12377.3	13400.9	13299.2
52.5°	9824.3	10826.6	15024.9	17076.7	15823.9	10436.6	10365.6	15414.9	16039.0	15715.1
55°	11732.0	12739.0	18783.4	21650.8	19868.5	12649.2	12892.6	18937.1	19057.7	18029.4
57.5°	14578.1	15232.9	23213.4	26896.3	24090.4	15656.0	17421.8	23624.7	22182.7	20234.9
60°	19745.5	18440.7	27494.4	32262.3	28581.8	19885.0	23395.4	26402.3	23222.8	20537.4
62.5°	21544.5	21163.9	30175.0	34531.7	31602.8	23357.6	24948.5	24827.9	21875.4	19393.3
65°	18818.9	20485.4	29695.1	33333.2	31215.1	22785.5	22388.4	23090.4	20357.8	17655.9
67.5°	17384.0	18892.2	27877.3	30026.1	29066.4	20844.8	19955.9	19764.5	17090.9	14939.8
70°	15937.3	17431.3	25241.6	25508.7	25061.9	17681.9	16514.1	15230.5	12774.4	10904.6
72.5°	14197.5	15020.1	21584.7	20317.6	19811.7	13887.8	13642.0	11469.6	9576.1	7971.0
75°	12382.0	12143.3	16828.5	13944.6	14322.8	10805.3	11521.6	8422.5	7016.0	5737.2
77.5°	9006.4	8829.1	11271.0	8469.8	9379.9	7077.5	6358.9	3361.4	3200.7	2761.0
80°	5025.6	6058.6	6087.0	4746.7	5921.5	4614.3	1590.9	111.1	70.9	104.0
82.5°	2335.5	2605.0	3300.0	2200.8	3378.0	2285.9	328.6	0.0	0.0	0.0
85°	756.4	1106.3	926.6	323.9	817.9	773.0	54.4	0.0	0.0	0.0
87.5°	44.9	92.2	23.6	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

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