Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1203010

Luminaire Tested: GWC-SB2B-735-U-T3-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203010
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2B-735-U-T3-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8830 lumens
Efficiency:	N/A
Efficacy:	119.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	73.9
Input Voltage (V):	120.0
Input Current (Ain):	0.627
Voltage Rise (V):	NR
Power Factor:	0.988
Total Harmonic Distortion (THDi):	13.593
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

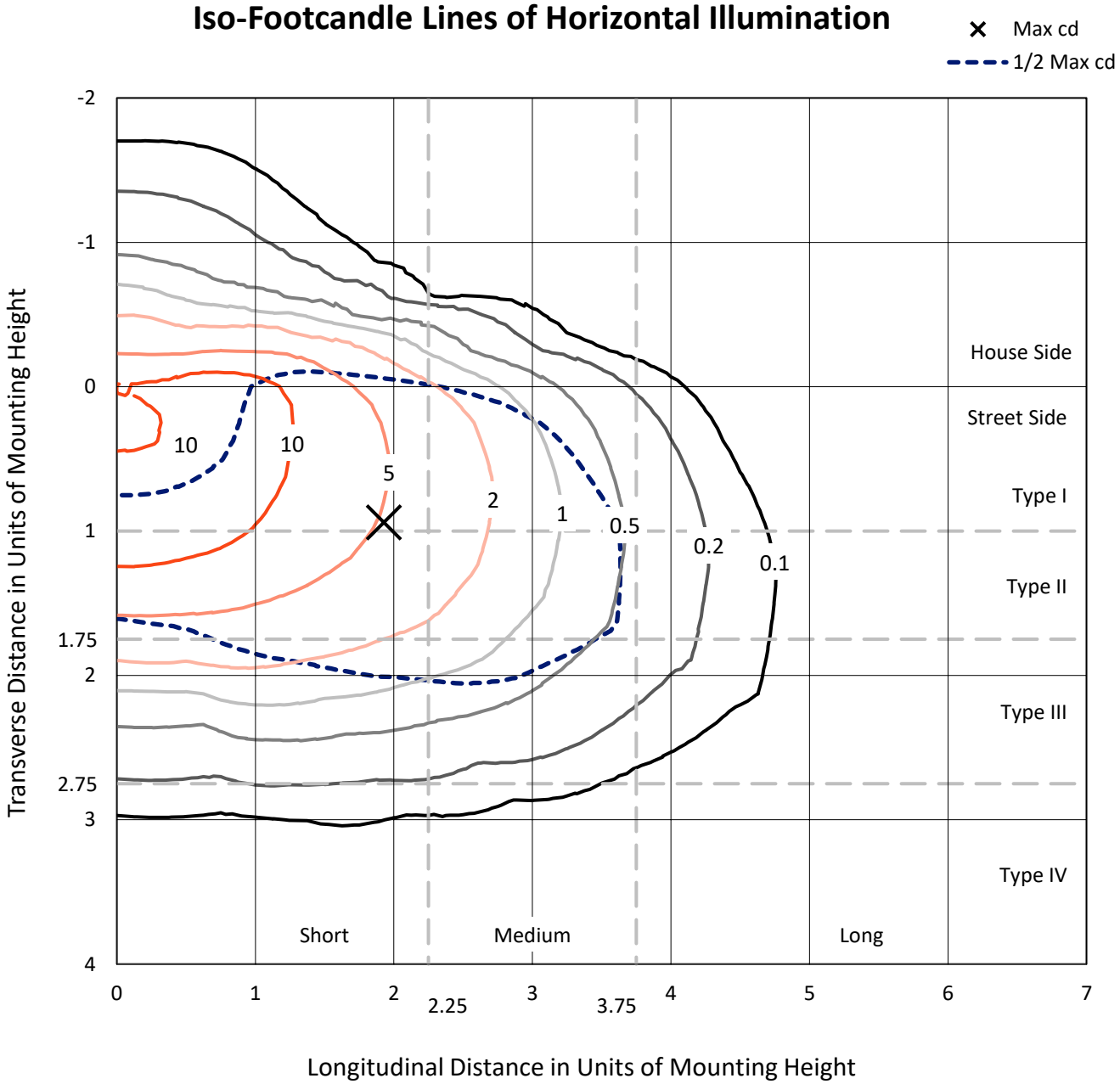


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Iso-Footcandle Lines of Horizontal Illumination



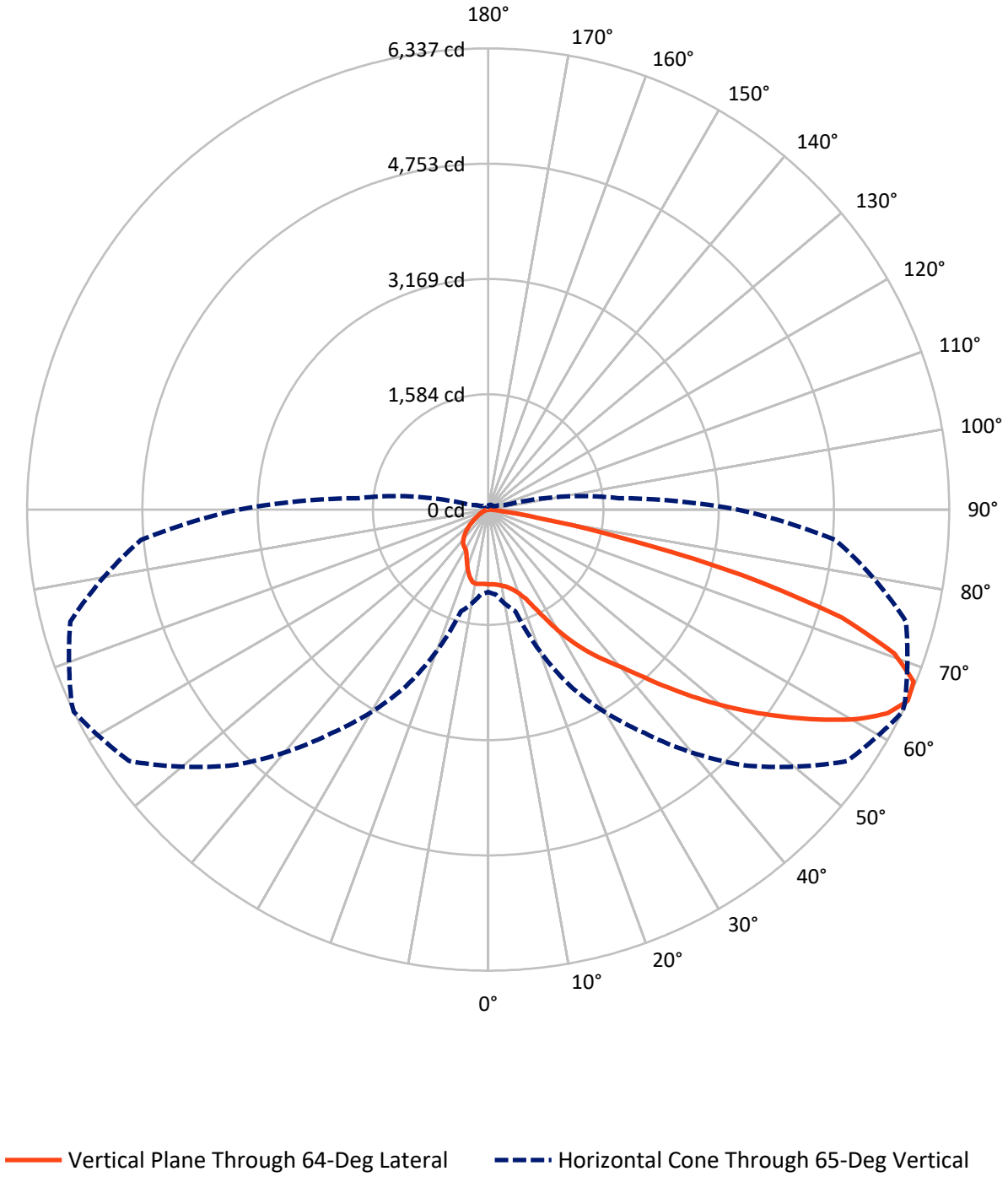
Based on 10 foot mounting height. Maximum calculated value = 16.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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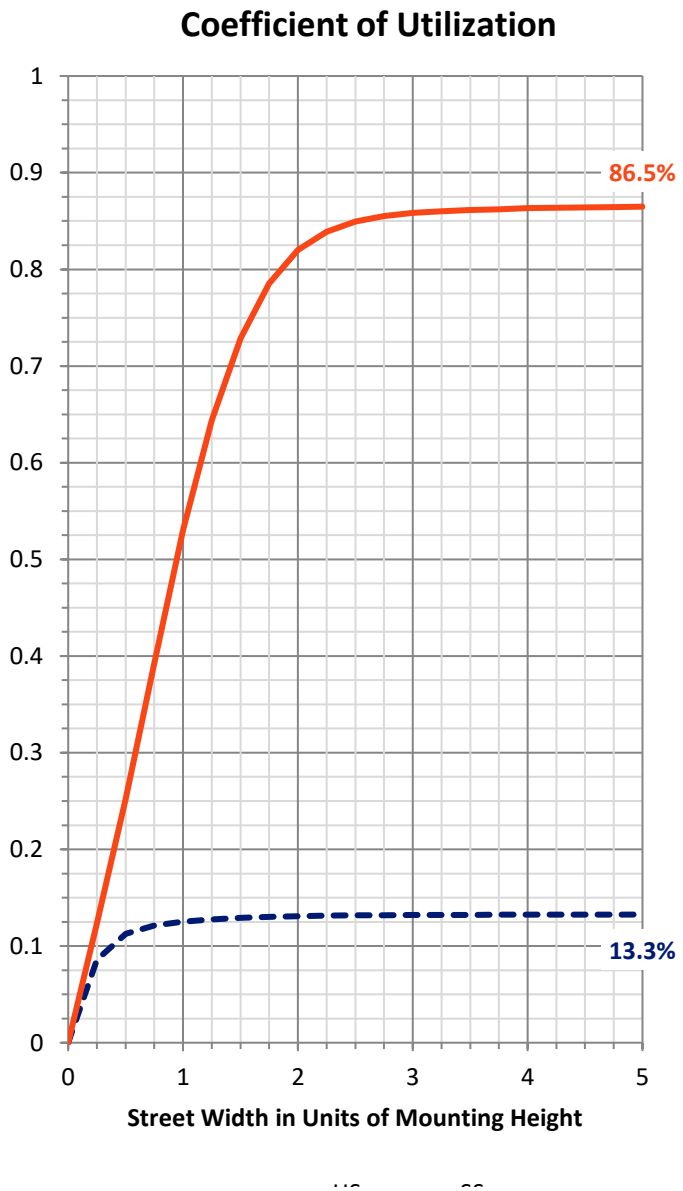
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1180.8	0.0	1180.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	7649.2	0.0	7649.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	8830.0	0.0	8830.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.8	1.1
10°-20°	257.0	2.9
20°-30°	487.0	5.5
30°-40°	985.4	11.2
40°-50°	1678.7	19.0
50°-60°	2282.9	25.9
60°-70°	2143.8	24.3
70°-80°	858.9	9.7
80°-90°	41.6	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°	8830.0	100.0
0°-180°	8830.0	100.0



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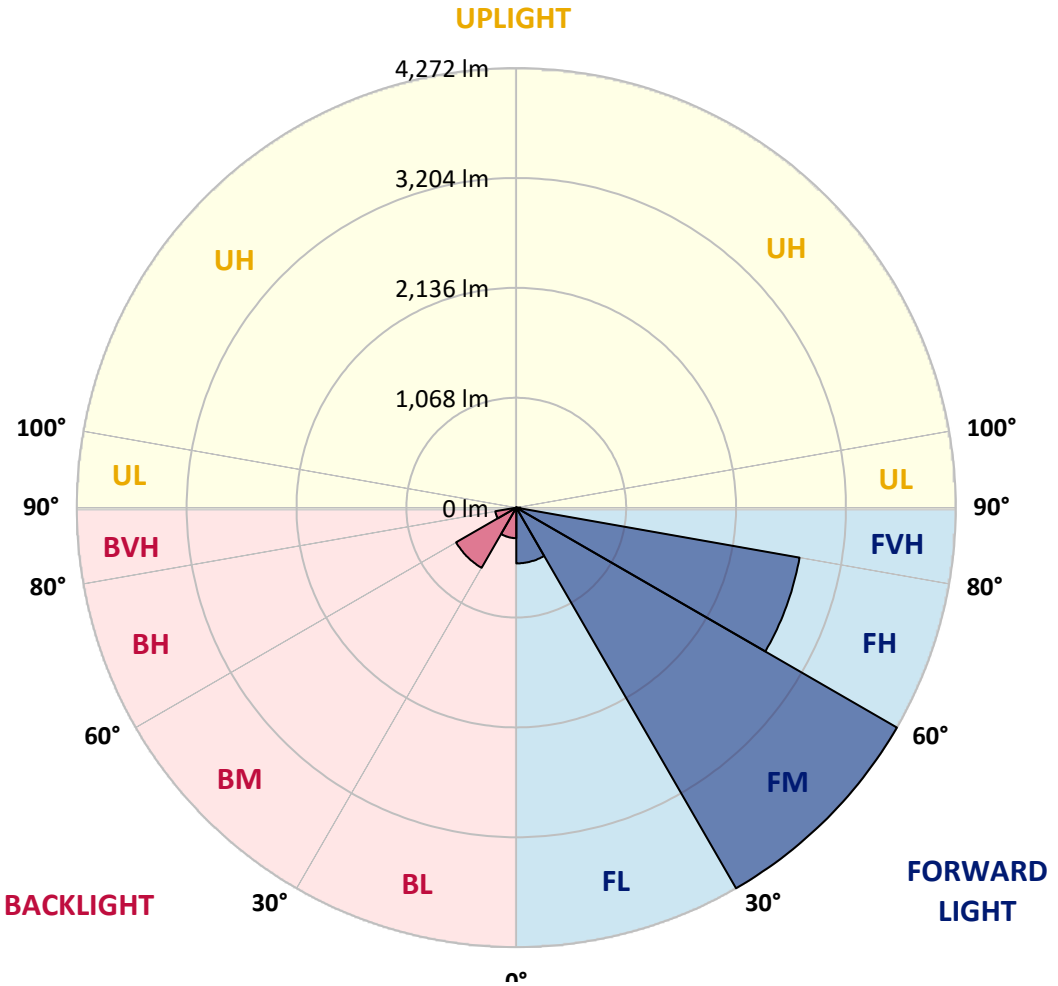
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	542.3	6.1			
FM	(30°-60°)	4271.9	48.4			
FH	(60°-80°)	2795.4	31.7			G2/5000
FVH	(80°-90°)	39.6	0.4			G1/100
BL	(0°-30°)	296.5	3.4	B1/500		
BM	(30°-60°)	675.1	7.6	B1/1000		
BH	(60°-80°)	207.3	2.3	B1/500		G1/500
BVH	(80°-90°)	2.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1027.0	1027.0	1027.0	1027.0	1027.0	1027.0	1027.0	*1027.0*	1027.0	1027.0	1027.0
2.5°	1023.5	1030.6	1028.8	1027.0	1026.4	1027.6	1028.2	*1027.6*	1027.6	1027.6	1028.2
5°	1003.9	1009.9	1009.9	1014.0	1019.9	1027.0	1032.3	*1033.5*	1034.7	1036.5	1035.9
7.5°	966.6	971.4	974.9	988.5	1003.3	1022.3	1038.3	*1046.6*	1047.7	1054.3	1056.6
10°	941.2	947.1	953.0	967.2	988.5	1017.0	1044.2	*1064.3*	1067.3	1082.7	1089.8
12.5°	940.0	945.9	953.6	969.0	993.9	1024.1	1057.2	*1086.2*	1091.5	1114.0	1128.8
15°	952.4	959.5	966.6	985.6	1012.2	1048.9	1084.4	*1120.5*	1125.9	1157.8	1173.8
17.5°	977.9	987.4	992.7	1011.6	1040.0	1080.9	1127.7	*1169.1*	1173.8	1211.1	1231.2
20°	1028.2	1039.5	1041.2	1056.6	1084.4	1128.2	1183.9	*1235.4*	1241.3	1283.9	1306.4
22.5°	1132.4	1148.4	1134.2	1141.9	1166.7	1210.5	1270.9	*1336.0*	1344.3	1392.8	1413.0
25°	1315.9	1338.4	1301.7	1288.7	1299.3	1344.9	1420.7	*1502.9*	1512.4	1551.5	1561.5
27.5°	1676.4	1647.4	1591.7	1537.3	1505.3	1531.4	1616.6	*1718.4*	1730.2	1768.1	1756.3
30°	2072.4	2046.9	1971.8	1851.0	1775.2	1771.1	1849.8	*1963.5*	1977.1	2013.2	1977.1
32.5°	2469.0	2444.7	2363.0	2214.5	2083.0	2017.9	2072.4	*2198.5*	2205.6	2228.7	2175.4
35°	2859.1	2834.2	2752.5	2600.4	2438.8	2290.8	2280.2	*2422.2*	2424.6	2448.9	2369.5
37.5°	3251.5	3230.8	3143.8	2994.6	2835.4	2631.2	2532.3	*2634.1*	2637.1	2660.8	2578.5
40°	3531.5	3540.4	3480.6	3365.2	3228.5	3005.3	2815.3	*2859.7*	2841.9	2881.6	2832.4
42.5°	3771.9	3789.6	3737.5	3679.5	3600.2	3403.7	3165.7	*3158.0*	3129.6	3150.9	3100.0
45°	3979.6	3994.4	3947.7	3934.1	3932.3	3794.4	3548.7	*3502.5*	3462.9	3458.7	3397.8
47.5°	4056.0	4084.4	4104.5	4150.1	4238.9	4180.9	3944.7	*3873.1*	3828.7	3796.1	3699.6
50°	4085.0	4115.2	4183.9	4316.4	4526.6	4551.4	4338.9	*4258.4*	4204.0	4144.8	4002.7
52.5°	4045.9	4099.8	4192.1	4415.3	4720.2	4848.6	4717.2	*4646.8*	4584.6	4488.1	4277.4
55°	3815.7	3869.5	4058.4	4414.1	4816.6	5057.0	5074.7	*5043.4*	4973.5	4821.4	4499.4
57.5°	3330.3	3410.2	3709.1	4263.8	4814.9	5236.3	5425.2	*5447.6*	5369.5	5151.7	4674.0
60°	2657.8	2766.1	3130.8	3930.5	4666.3	5333.4	5732.4	*5844.8*	5762.0	5477.2	4815.5
62.5°	1854.6	1980.0	2325.2	3408.4	4326.5	5263.6	5956.7	*6164.5*	6101.7	5768.5	4869.9
65°	*1131.2*	*1171.5*	*1449.7*	*2682.1*	*3748.8*	*4971.1*	*6026.0*	*6337.3*	*6316.6*	*5946.7*	*4789.4*
67.5°	753.5	787.3	867.2	1839.2	2910.0	4386.9	5860.2	*6307.2*	6313.1	5917.7	4494.6
70°	454.0	483.0	535.1	1069.6	1885.9	3472.3	5347.0	*5922.4*	5956.7	5529.9	3935.8
72.5°	187.1	206.6	253.9	484.8	976.7	2203.8	4257.8	*5084.8*	5164.7	4649.7	3020.7
75°	106.0	116.0	149.2	243.3	423.8	1027.0	2579.1	*3609.7*	3727.5	3204.8	1817.3
77.5°	70.4	75.2	96.5	157.5	238.6	350.4	1102.2	*1880.6*	2105.5	1750.4	786.7
80°	47.4	51.5	66.3	105.4	155.1	150.4	351.0	*696.7*	857.1	601.4	191.8
82.5°	32.0	32.6	47.4	69.3	98.3	72.8	103.6	*216.7*	272.3	174.0	72.8
85°	18.4	17.8	34.9	40.3	43.8	30.2	31.4	*65.1*	85.2	73.4	41.4
87.5°	2.4	3.6	13.6	10.7	5.9	6.5	6.5	*11.2*	16.6	17.8	8.9
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°	1027.0	1027.0	1027.0	1027.0	1027.0	1027.0	1027.0	1027.0	1027.0	1027.0	1027.0
2.5°	1028.2	1027.6	1025.8	1024.1	1019.9	1017.5	1018.7	1017.5	1017.0	1017.5	1019.9
5°	1035.9	1034.1	1029.4	1023.5	1015.2	1005.1	998.6	989.1	980.3	974.9	976.1
7.5°	1056.6	1054.8	1048.3	1031.8	1005.1	963.1	924.6	890.9	865.4	850.6	851.2
10°	1089.8	1086.8	1076.7	1040.0	970.2	878.4	802.1	738.7	697.3	677.8	676.0
12.5°	1128.8	1125.3	1107.5	1032.3	903.9	760.6	655.3	584.8	546.4	529.2	527.4
15°	1175.0	1170.3	1135.3	995.6	807.4	630.4	533.9	481.2	456.4	441.0	441.6
17.5°	1232.4	1224.1	1156.1	940.6	702.6	531.0	459.3	419.7	397.8	383.0	381.8
20°	1307.0	1293.4	1172.6	874.9	606.1	468.2	409.0	375.9	359.3	346.3	343.9
22.5°	1411.2	1391.7	1192.8	803.9	538.1	425.0	371.7	347.5	333.9	319.1	316.7
25°	1540.2	1517.1	1217.6	738.2	491.3	387.7	344.5	324.4	308.4	291.2	289.5
27.5°	1720.8	1679.3	1247.2	684.3	451.1	355.8	319.6	297.2	278.8	264.6	261.6
30°	1922.0	1854.0	1273.3	651.7	414.4	326.2	287.1	264.6	247.4	237.4	235.6
32.5°	2112.6	2020.3	1290.4	637.5	381.2	292.4	251.6	227.3	214.3	211.3	213.1
35°	2292.6	2170.7	1288.7	623.9	351.6	258.7	216.7	191.8	181.7	183.5	183.5
37.5°	2499.8	2331.1	1276.2	602.6	327.3	227.9	186.5	164.6	155.7	156.3	158.6
40°	2740.7	2516.3	1268.5	562.3	300.7	199.5	161.6	143.8	137.3	135.0	134.4
42.5°	2997.6	2695.7	1269.7	516.8	267.6	174.0	144.4	129.6	123.7	121.9	121.3
45°	3255.7	2866.8	1271.5	469.4	232.6	154.5	132.0	119.6	116.0	113.7	113.7
47.5°	3498.4	3012.4	1238.3	418.5	198.3	139.7	121.9	113.7	110.7	107.7	107.7
50°	3724.5	3109.5	1158.4	359.3	171.1	127.9	114.2	108.3	105.4	102.4	102.4
52.5°	3900.3	3124.9	1026.4	298.3	152.1	119.0	109.5	104.2	100.6	97.7	97.1
55°	3978.4	3028.4	838.8	241.5	137.3	111.3	104.8	99.4	95.3	92.3	91.8
57.5°	3958.3	2825.3	654.1	194.2	123.1	103.6	98.9	95.3	90.6	85.8	85.2
60°	3859.5	2553.6	493.1	161.6	110.1	95.3	92.3	89.4	82.9	75.8	74.6
62.5°	3688.4	2212.1	351.6	133.8	95.9	85.8	84.6	82.3	72.8	59.8	58.6
65°	*3426.8*	*1797.1*	*236.8*	*111.3*	*82.3*	*75.2*	*75.8*	*71.6*	*59.2*	*44.4*	*43.2*
67.5°	3044.4	1314.1	151.5	91.2	68.7	62.7	63.3	61.0	50.3	37.9	36.1
70°	2557.2	870.2	98.9	69.3	55.1	48.5	52.1	52.7	42.6	30.8	29.6
72.5°	1874.7	513.8	69.3	51.5	40.3	33.7	42.6	43.8	34.3	23.1	21.9
75°	1068.5	243.9	52.1	37.3	24.9	23.7	33.1	33.1	23.7	15.4	14.2
77.5°	448.7	101.8	36.7	24.3	14.2	13.6	22.5	20.7	11.8	7.1	7.1
80°	129.6	45.6	19.5	11.8	5.9	5.3	8.9	6.5	3.0	1.2	1.2
82.5°	50.9	20.1	7.7	4.7	2.4	2.4	1.2	0.0	0.0	0.0	0.0
85°	30.2	8.3	3.6	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.7	1.8	1.2	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


HS
SS

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(END OF REPORT)