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: P1203008

Luminaire Tested: GWC-SB2B-735-U-T2-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203008
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2B-735-U-T2-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8221 lumens
Efficiency:	N/A
Efficacy:	111.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
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

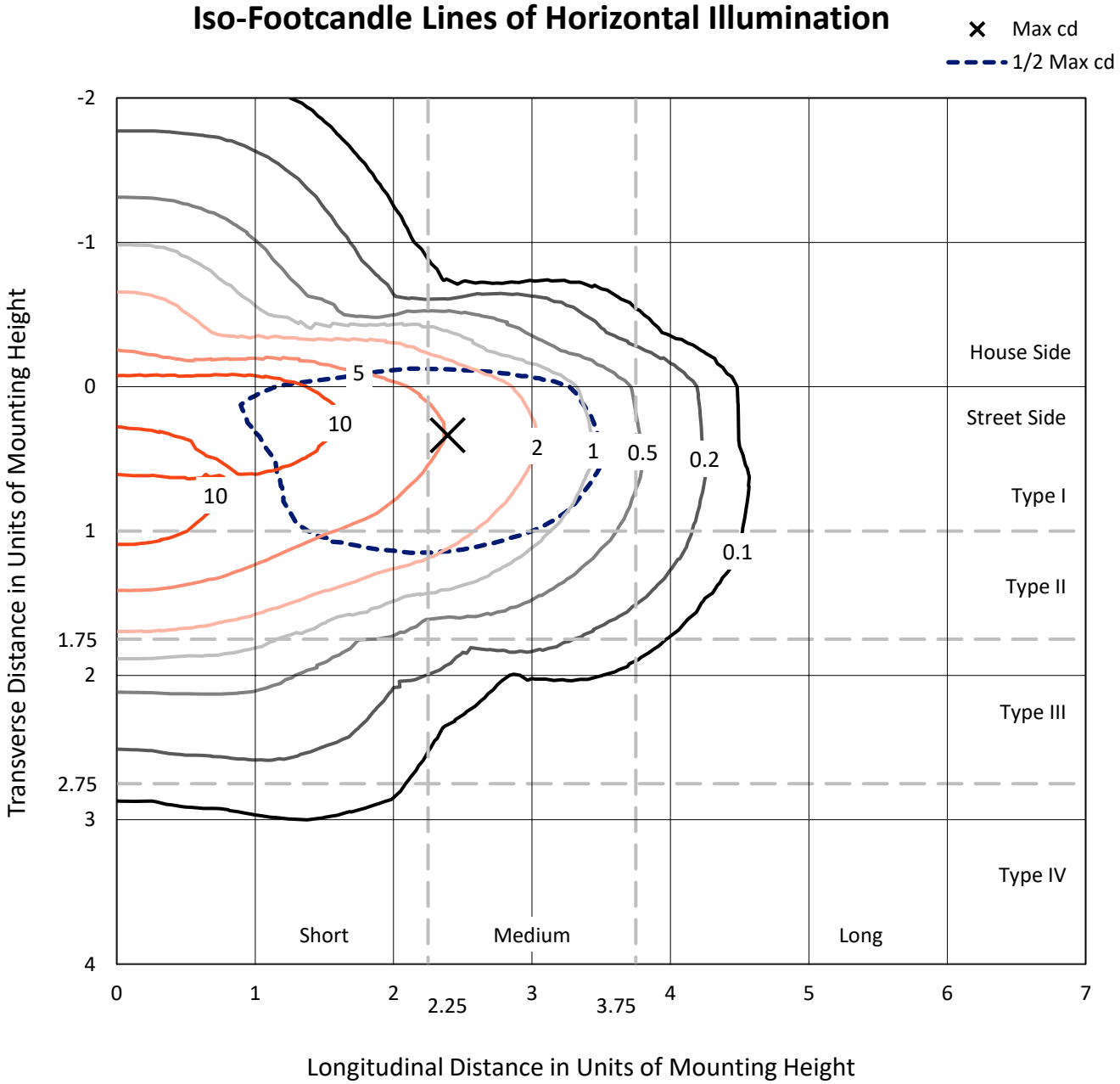


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Iso-Footcandle Lines of Horizontal Illumination



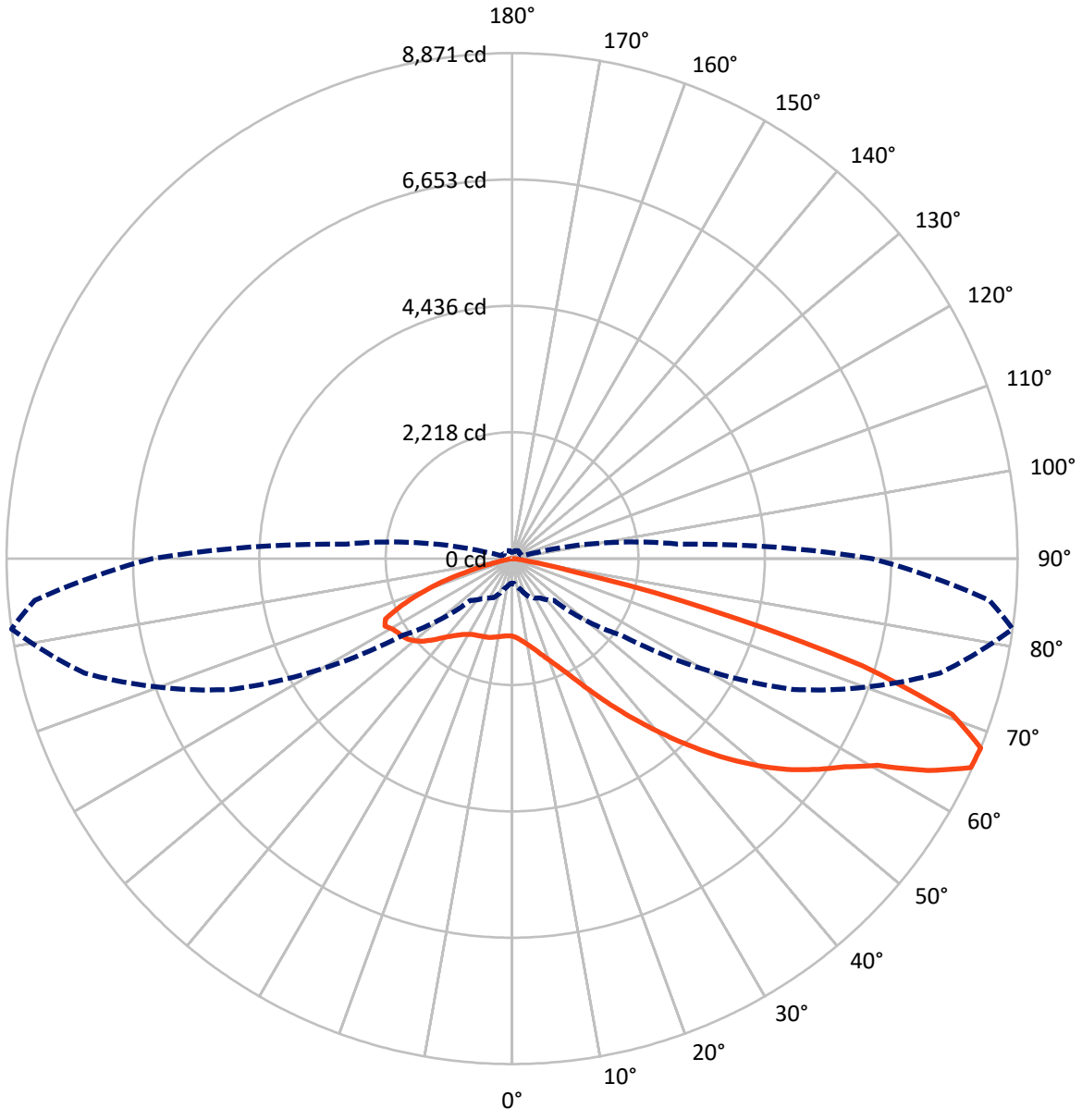
Based on 10 foot mounting height. Maximum calculated value = 18 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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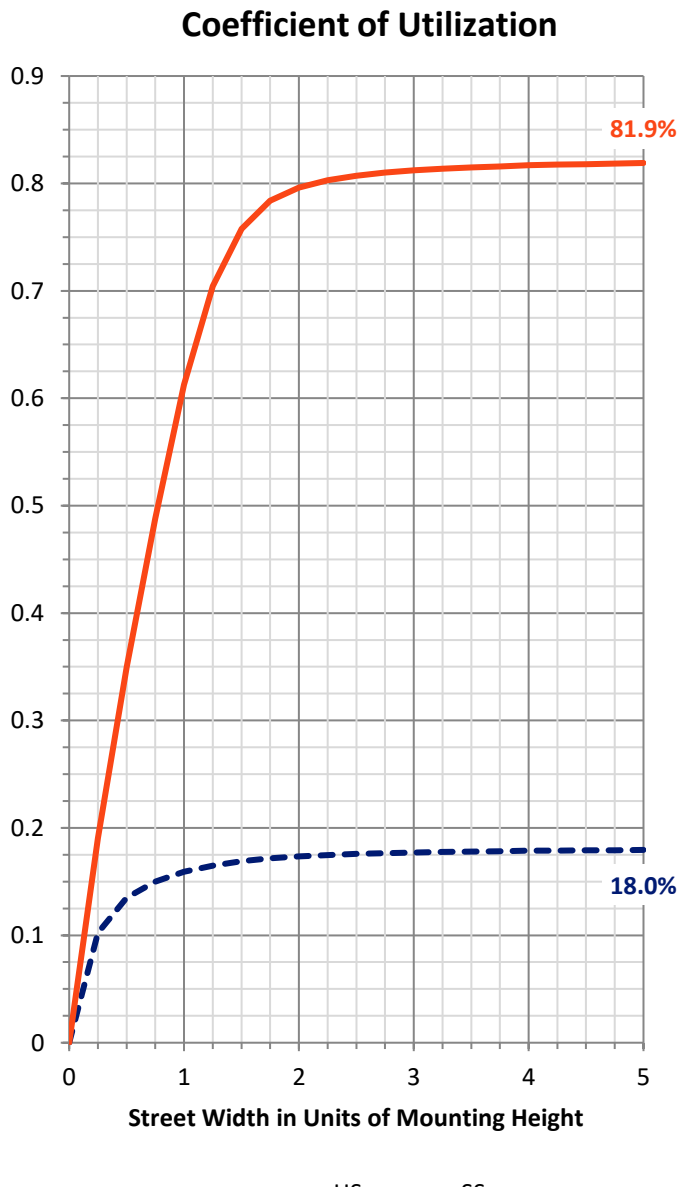
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1489.2	0.0	1489.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	6731.8	0.0	6731.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	8221.0	0.0	8221.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	1.5
10°-20°	315.3	3.8
20°-30°	505.0	6.1
30°-40°	893.0	10.9
40°-50°	1564.7	19.0
50°-60°	2086.9	25.4
60°-70°	1942.8	23.6
70°-80°	745.6	9.1
80°-90°	46.3	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°	8221.0	100.0
0°-180°	8221.0	100.0



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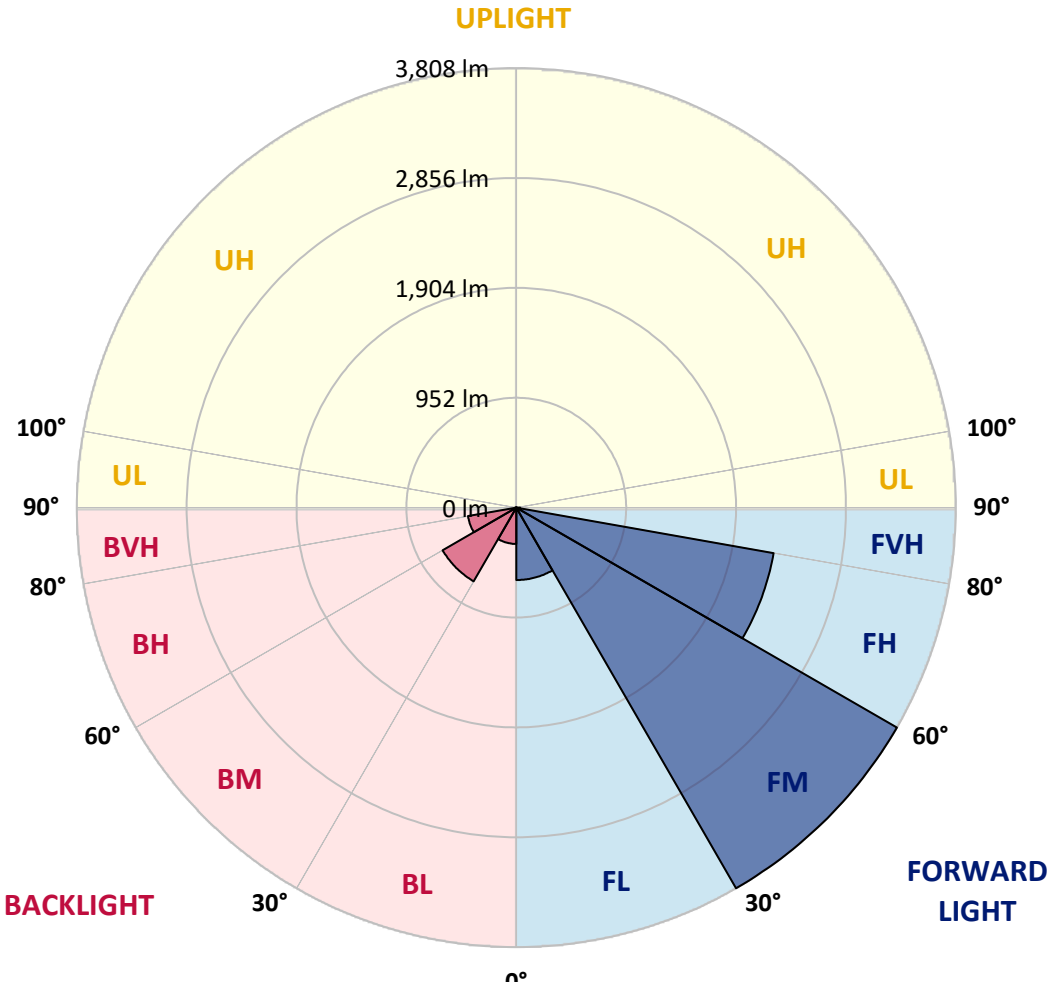
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	627.2	7.6			
FM	(30°-60°)	3807.6	46.3			
FH	(60°-80°)	2263.4	27.5			G2/5000
FVH	(80°-90°)	33.7	0.4			G1/100
BL	(0°-30°)	314.5	3.8	B1/500		
BM	(30°-60°)	737.0	9.0	B1/1000		
BH	(60°-80°)	425.0	5.2	B1/500		G1/500
BVH	(80°-90°)	12.6	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1361.9	1361.9	1361.9	1361.9	1361.9	1361.9	1361.9	1361.9	1361.9	*1361.9*	1361.9
2.5°	1439.5	1447.8	1443.0	1440.7	1436.5	1430.6	1425.9	1411.1	1395.7	*1385.6*	1382.1
5°	1468.5	1476.8	1476.2	1478.5	1481.5	1483.3	1482.1	1465.5	1443.6	*1426.5*	1416.4
7.5°	1443.6	1453.1	1460.8	1472.6	1493.3	1515.2	1525.9	1522.3	1499.9	*1476.2*	1463.7
10°	1373.2	1383.2	1401.6	1429.4	1473.2	1520.6	1560.2	1578.6	1564.4	*1538.3*	1521.2
12.5°	1244.2	1254.2	1290.3	1350.7	1424.1	1506.4	1582.1	1631.3	1634.8	*1608.8*	1588.6
15°	1099.1	1109.2	1147.7	1223.4	1335.3	1467.3	1594.0	1686.9	1718.3	*1695.8*	1671.5
17.5°	1009.2	1018.1	1047.1	1108.0	1224.6	1389.2	1589.8	1746.1	1817.7	*1799.9*	1770.9
20°	981.9	989.6	1003.3	1045.9	1142.9	1308.1	1562.6	1801.7	1924.8	*1914.8*	1882.2
22.5°	1011.0	1018.1	1022.2	1041.1	1102.1	1254.8	1528.3	1858.5	2049.1	*2050.3*	2010.7
25°	1077.8	1084.9	1080.2	1092.0	1118.7	1238.2	1515.2	1925.4	2205.4	*2218.4*	2173.4
27.5°	1187.9	1188.5	1177.3	1176.7	1180.8	1263.1	1528.9	1997.0	2402.5	*2426.8*	2371.1
30°	1408.7	1399.8	1356.6	1309.9	1288.5	1337.7	1566.7	2081.7	2635.1	*2678.3*	2608.5
32.5°	1749.0	1736.0	1656.7	1544.8	1432.4	1457.8	1634.8	2178.2	2888.4	*2966.6*	2881.3
35°	2118.4	2114.8	2032.0	1865.6	1669.1	1628.9	1745.5	2304.8	3164.8	*3289.1*	3187.9
37.5°	2461.7	2459.9	2412.5	2216.6	1977.5	1867.4	1923.1	2470.6	3460.8	*3640.7*	3521.2
40°	2775.4	2780.7	2733.4	2558.2	2317.3	2173.4	2164.5	2675.3	3789.9	*4023.7*	3881.6
42.5°	3046.5	3052.4	3004.4	2874.8	2652.9	2512.0	2461.1	2926.3	4111.3	*4435.0*	4266.9
45°	3230.5	3267.2	3260.1	3156.6	2997.3	2851.1	2817.4	3241.2	4477.7	*4871.3*	4674.2
47.5°	3282.6	3316.4	3369.6	3383.8	3286.8	3142.9	3183.2	3620.6	4848.2	*5308.1*	5083.8
50°	3154.2	3185.6	3296.2	3443.6	3511.1	3466.7	3538.9	4027.2	5227.6	*5743.7*	5485.6
52.5°	2900.9	2932.8	3072.5	3305.7	3580.9	3720.6	3895.8	4427.9	5595.1	*6156.3*	5866.2
55°	2534.5	2568.2	2747.6	3011.5	3447.8	3825.4	4193.5	4828.1	5931.9	*6527.4*	6209.5
57.5°	2036.1	2061.0	2247.4	2616.8	3112.8	3721.2	4413.1	5264.9	6249.2	*6892.0*	6549.9
60°	1327.0	1348.9	1565.6	1977.5	2557.6	3373.2	4456.9	5752.0	6670.6	*7366.1*	7008.6
62.5°	882.5	897.3	1025.7	1328.2	1801.1	2704.9	4200.7	6140.9	7288.5	*8191.2*	7795.2
65°	605.5	620.3	748.7	959.5	1163.7	1789.3	3463.7	6089.4	7848.5	*8846.4*	8378.2
67.5°	*432.1*	*444.5*	*553.4*	*752.3*	*842.3*	*1039.4*	*2348.0*	*5431.2*	*7768.0*	*8871.3*	*8409.6*
70°	309.6	316.7	406.6	586.0	669.4	624.4	1305.7	4153.9	6801.4	*8191.8*	7769.2
72.5°	216.6	219.0	282.3	446.3	539.2	455.8	621.5	2769.5	5144.1	*6429.7*	6023.1
75°	146.8	149.7	190.0	327.3	432.7	348.0	329.1	1485.1	3019.8	*3559.0*	3190.3
77.5°	90.0	91.2	122.5	223.7	323.8	265.2	211.9	629.2	1168.4	*1147.1*	977.8
80°	50.9	50.9	78.1	139.1	220.8	171.1	148.6	267.5	369.9	*324.9*	286.5
82.5°	28.4	29.0	56.8	86.4	146.2	101.2	81.7	123.7	159.8	*141.5*	123.1
85°	11.8	13.0	34.9	40.8	69.8	50.3	33.1	52.1	59.2	*52.7*	38.5
87.5°	1.2	1.8	10.7	7.7	8.3	10.1	4.7	10.1	8.3	*8.3*	5.9
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°	1361.9	1361.9	1361.9	1361.9	1361.9	1361.9	1361.9	1361.9	1361.9	1361.9	1361.9
2.5°	1370.8	1361.9	1339.4	1313.4	1279.1	1262.5	1240.0	1224.6	1211.6	1212.8	1200.9
5°	1397.5	1375.0	1324.7	1261.9	1183.8	1128.1	1069.0	1028.1	995.0	987.9	971.9
7.5°	1434.2	1398.6	1310.4	1197.4	1065.4	965.4	876.0	818.6	777.7	764.7	751.7
10°	1481.5	1430.0	1292.1	1116.3	926.3	799.1	703.2	658.2	630.4	620.9	613.8
12.5°	1536.5	1466.1	1267.8	1017.5	783.1	660.6	599.6	577.1	568.2	565.3	563.5
15°	1605.8	1511.1	1231.1	900.3	661.7	575.9	549.9	546.9	548.1	546.9	546.3
17.5°	1688.1	1560.2	1171.4	779.5	580.1	532.7	523.2	525.6	528.6	528.0	526.8
20°	1778.0	1608.8	1095.0	672.4	524.4	501.9	496.6	499.0	501.3	500.1	499.6
22.5°	1880.4	1660.8	1010.4	588.9	487.1	473.5	467.6	468.2	468.2	465.8	464.6
25°	2003.0	1718.3	921.6	529.7	458.7	448.1	441.0	438.6	435.0	427.9	426.8
27.5°	2149.2	1779.2	836.3	488.3	436.2	426.2	417.9	412.0	403.1	391.2	390.1
30°	2313.7	1853.2	764.1	462.3	418.5	408.4	398.9	390.1	377.0	362.2	361.1
32.5°	2507.3	1932.5	711.5	445.1	402.5	391.8	380.6	369.9	355.7	340.9	341.5
35°	2738.1	2028.4	680.7	433.3	390.1	375.9	363.4	351.6	340.9	327.9	326.7
37.5°	2988.5	2130.2	671.2	427.3	381.8	359.9	345.7	337.4	336.2	328.5	327.9
40°	3262.5	2251.0	678.3	423.8	372.9	344.5	329.1	327.3	330.3	316.7	317.3
42.5°	3552.5	2394.2	690.1	419.7	360.5	329.1	314.3	314.3	311.9	293.0	293.0
45°	3866.2	2559.3	702.0	409.6	345.7	313.7	302.5	298.3	288.3	269.9	269.3
47.5°	4182.3	2727.4	710.9	391.2	327.9	300.7	290.6	281.1	266.4	249.8	249.2
50°	4482.4	2878.4	701.4	364.0	307.8	288.3	277.6	264.6	248.6	237.3	235.6
52.5°	4750.5	3009.2	661.1	332.1	286.5	275.2	265.8	252.1	239.1	227.3	226.1
55°	4983.7	3115.1	590.1	301.9	267.5	264.0	254.5	237.3	219.6	209.5	208.3
57.5°	5207.5	3195.6	501.3	277.0	250.4	251.6	237.3	222.0	205.4	194.7	193.5
60°	5505.2	3303.3	411.4	253.9	232.0	235.6	220.2	208.9	188.2	174.6	172.8
62.5°	5981.1	3470.8	326.7	225.5	210.7	211.9	205.4	191.8	166.9	150.9	149.7
65°	6358.7	3409.3	257.5	194.7	186.4	188.2	188.2	173.4	146.8	128.4	126.7
67.5°	*6316.1*	*2919.2*	*205.4*	*164.5*	*163.4*	*164.5*	*168.7*	*156.3*	*130.2*	*115.4*	*113.1*
70°	5818.3	2322.0	164.5	136.7	142.1	139.1	150.9	142.6	117.2	102.4	100.6
72.5°	4747.6	1672.7	125.5	113.1	108.9	113.6	136.1	128.4	97.7	81.1	79.3
75°	2774.2	892.6	93.5	89.4	78.7	94.7	120.7	109.5	74.6	59.8	58.0
77.5°	903.2	311.3	68.7	65.7	58.6	76.4	103.0	92.3	61.0	47.4	45.6
80°	242.1	94.1	46.8	43.2	37.9	56.8	81.7	73.4	43.8	30.8	30.2
82.5°	97.1	39.7	27.2	24.3	20.7	39.1	64.5	59.2	32.6	19.5	19.5
85°	31.4	13.0	10.1	7.7	9.5	24.3	38.5	40.2	23.1	10.1	7.7
87.5°	4.1	1.8	1.8	2.4	1.8	4.1	11.8	11.2	6.5	1.2	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)