

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: STREETWORKS

Report Number: P952653

Luminaire Tested: **GLAN-SB6B-940-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952653
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6B-940-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18885 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

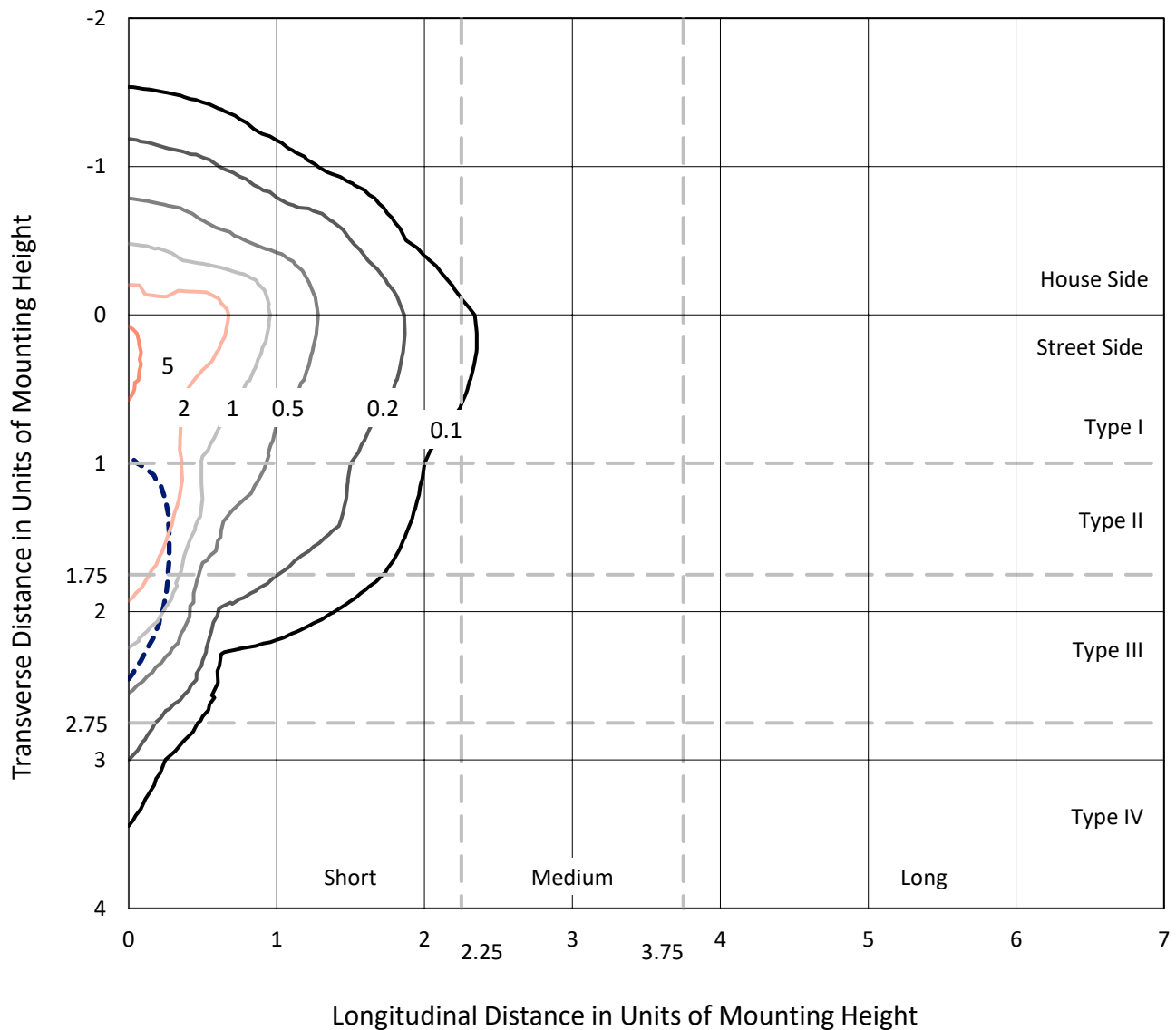
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

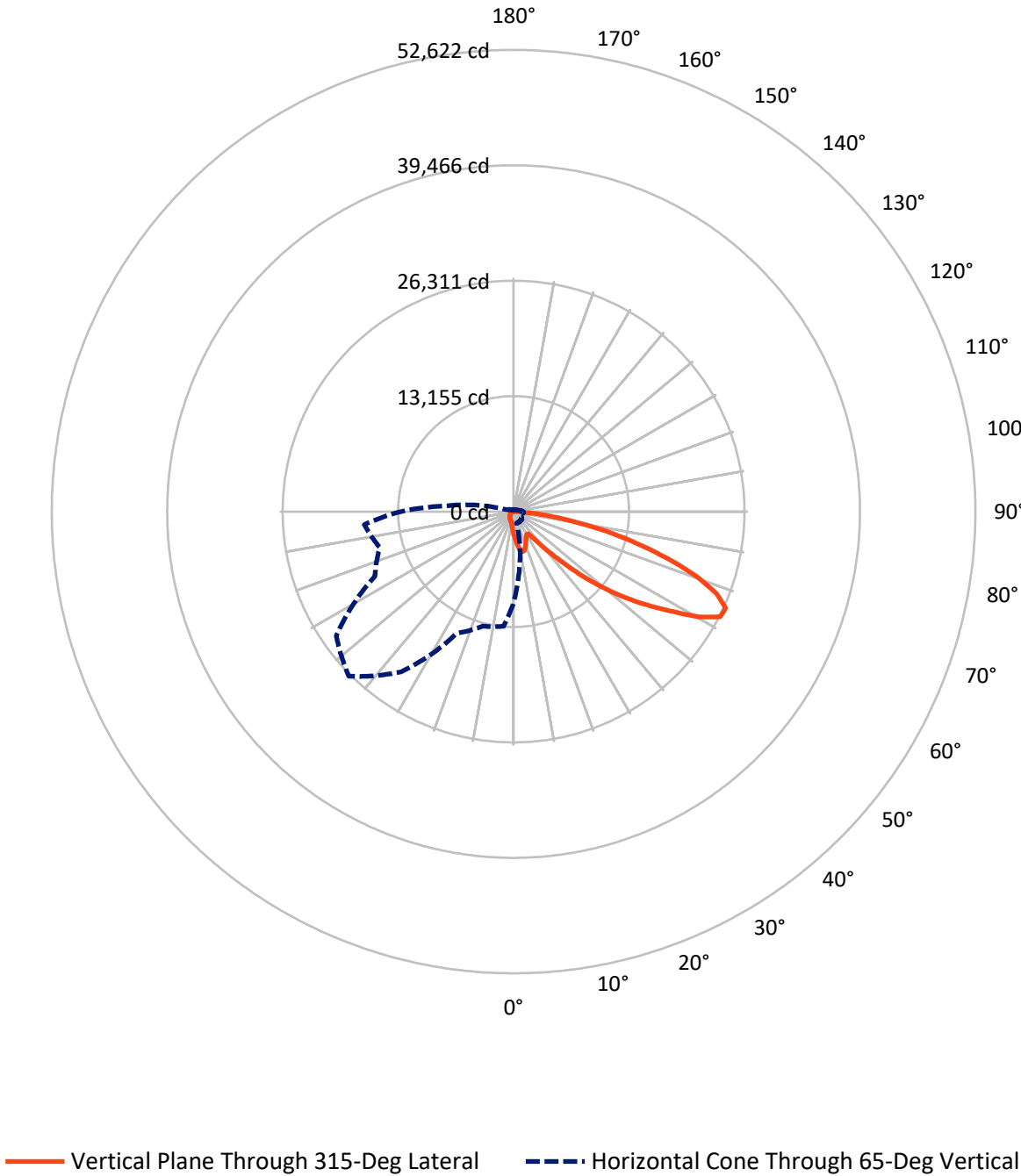
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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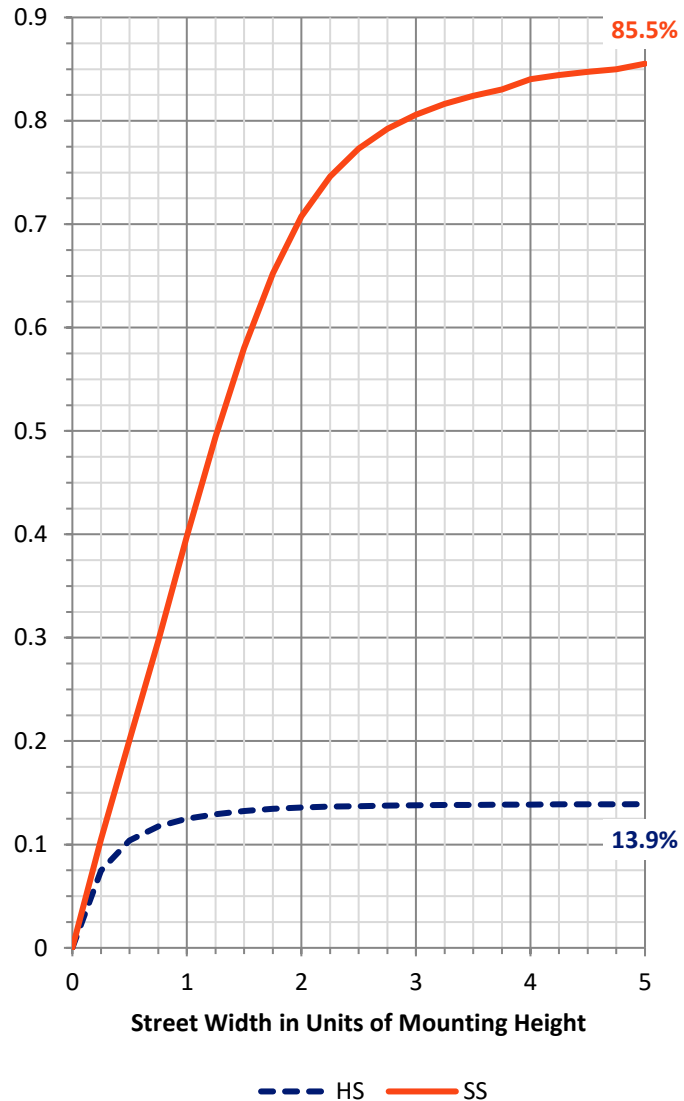
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2644.7	0.0	2644.7
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	16240.3	0.0	16240.3
	% Fixture	86.0	0.0	86.0
Total	Lumens	18885.0	0.0	18885.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.5	1.4
10°-20°	771.8	4.1
20°-30°	1137.0	6.0
30°-40°	1460.7	7.7
40°-50°	2362.4	12.5
50°-60°	4142.7	21.9
60°-70°	5183.6	27.4
70°-80°	3029.1	16.0
80°-90°	540.4	2.9
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°	18885.0	100.0
0°-180°	18885.0	100.0

Coefficient of Utilization



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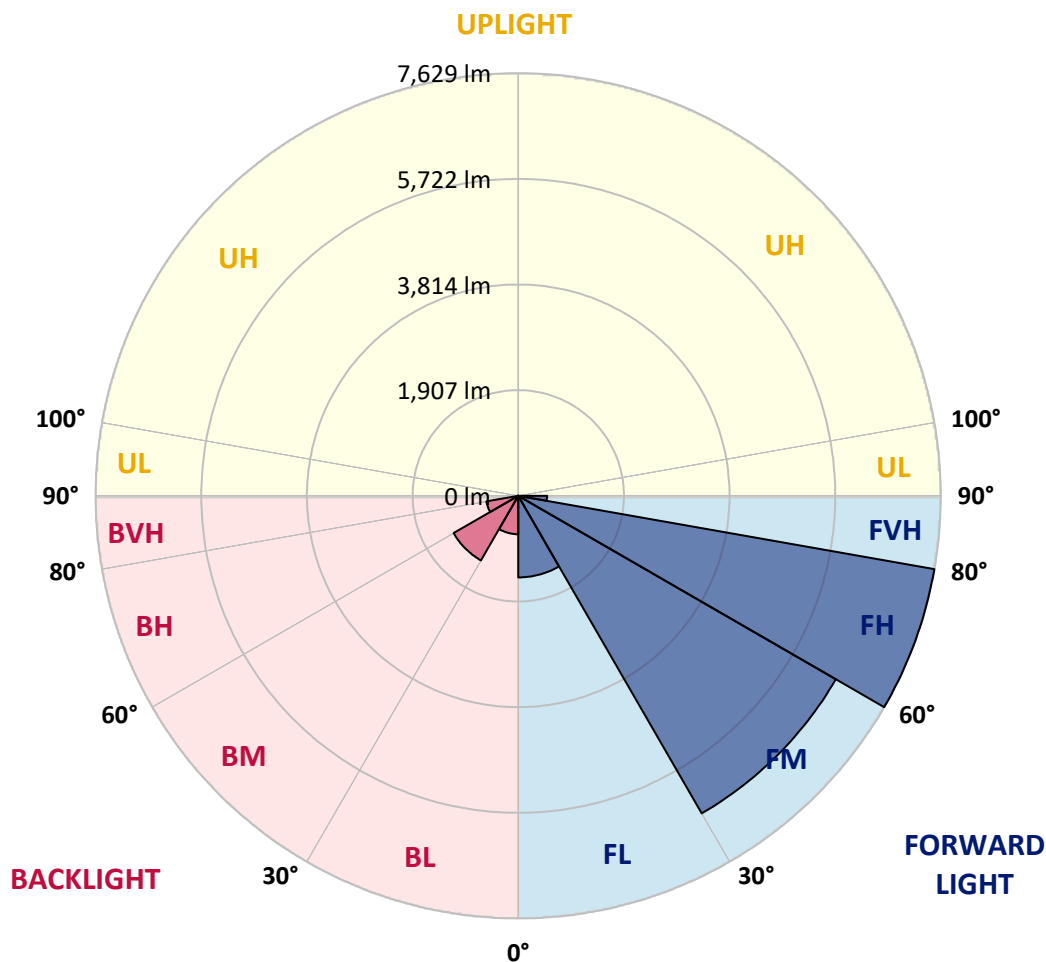
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1473.0	7.8			
FM	(30°-60°)	6619.0	35.0			
FH	(60°-80°)	7628.7	40.4			G4/12000
FVH	(80°-90°)	519.7	2.8			G4/750
BL	(0°-30°)	693.2	3.7	B2/1000		
BM	(30°-60°)	1346.8	7.1	B2/2500		
BH	(60°-80°)	584.0	3.1	B2/1000		G2/1000
BVH	(80°-90°)	20.8	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0
2.5°	2954.5	2903.8	2873.9	2799.7	2725.6	2665.7	2585.0	2531.7	2468.0	2406.8
5°	3292.8	3210.8	3111.9	2976.6	2853.0	2726.9	2604.6	2483.6	2356.1	2239.0
7.5°	3579.0	3460.6	3286.3	3106.7	2949.3	2797.1	2654.0	2494.0	2339.2	2155.7
10°	3797.6	3646.6	3417.7	3182.2	3001.4	2847.8	2708.6	2573.3	2417.2	2196.1
12.5°	3930.3	3768.9	3497.0	3221.2	3014.4	2842.6	2734.7	2674.8	2613.7	2393.8
15°	4027.8	3853.5	3553.0	3248.5	2984.4	2773.7	2694.3	2754.2	2824.4	2683.9
17.5°	4129.3	3945.9	3625.8	3260.3	2903.8	2639.7	2605.9	2760.7	2923.3	2916.8
20°	4225.6	4043.4	3689.6	3252.4	2773.7	2477.1	2507.0	2704.7	2893.4	2972.7
22.5°	4336.2	4143.6	3750.7	3222.5	2604.6	2324.8	2418.5	2616.3	2781.5	2875.2
25°	4471.5	4269.8	3836.6	3178.3	2422.4	2198.7	2328.8	2513.5	2647.5	2712.5
27.5°	4617.2	4420.7	3951.1	3154.9	2275.4	2108.9	2227.3	2391.2	2510.9	2556.4
30°	4798.0	4596.4	4086.4	3128.9	2179.1	2056.8	2121.9	2249.4	2366.5	2412.0
32.5°	4995.8	4791.5	4216.5	3066.4	2120.6	2017.8	2019.1	2099.8	2206.5	2261.1
35°	5242.9	5025.7	4355.7	2929.8	2073.8	1972.3	1918.9	1958.0	2046.4	2111.5
37.5°	5595.5	5332.7	4526.1	2734.7	2004.8	1902.0	1813.6	1822.7	1890.3	1961.9
40°	6082.1	5745.1	4726.5	2531.7	1905.9	1803.2	1697.8	1693.9	1743.3	1813.6
42.5°	6740.4	6290.2	4967.1	2337.9	1811.0	1683.5	1575.5	1569.0	1608.0	1669.2
45°	7609.4	6987.6	5262.5	2171.3	1736.8	1566.4	1459.7	1457.1	1489.6	1543.0
47.5°	8721.8	7956.8	5557.8	2058.1	1697.8	1474.0	1364.7	1369.9	1398.6	1446.7
50°	10161.9	9220.0	5647.6	2000.9	1697.8	1424.6	1280.2	1306.2	1329.6	1366.0
52.5°	11888.3	10432.6	5350.9	1948.9	1708.2	1431.1	1208.6	1264.6	1281.5	1312.7
55°	13488.6	11027.1	4600.3	1877.3	1710.8	1471.4	1147.5	1230.7	1261.9	1273.7
57.5°	14417.5	10822.8	3719.5	1756.3	1700.4	1498.7	1108.4	1189.1	1248.9	1256.7
60°	14240.5	10106.0	2738.6	1664.0	1623.6	1488.3	1096.7	1125.3	1220.3	1232.0
62.5°	12877.1	8903.9	1900.7	1592.4	1454.5	1442.8	1092.8	1025.2	1157.9	1186.5
65°	10350.6	7009.7	1342.6	1371.2	1275.0	1343.9	1072.0	921.1	1082.4	1121.4
67.5°	7509.3	4743.4	969.2	1111.0	1155.3	1183.9	1025.2	845.6	996.6	1048.6
70°	4818.8	2561.6	680.4	733.8	973.1	1005.7	944.5	778.0	909.4	969.2
72.5°	3425.5	1513.0	489.2	513.9	781.9	837.8	831.3	702.5	807.9	880.8
75°	2363.9	833.9	330.4	366.9	567.2	680.4	641.4	603.7	684.3	758.5
77.5°	1481.8	373.4	197.7	255.0	372.1	534.7	439.7	467.1	533.4	602.4
80°	824.8	144.4	110.6	169.1	203.0	389.0	243.3	300.5	392.9	442.3
82.5°	179.5	18.2	49.4	72.9	79.4	226.4	128.8	174.3	247.2	243.3
85°	0.0	0.0	9.1	10.4	5.2	97.6	46.8	57.2	80.7	75.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
2615.0	0°	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0
2352.2	2.5°	2341.8	2278.0	2231.2	2207.8	2188.2	2206.5	2216.9	2216.9	2261.1	2287.1
2167.4	5°	2121.9	2007.4	1920.2	1861.7	1826.6	1838.3	1851.3	1865.6	1921.5	1959.3
2058.1	7.5°	1969.7	1794.1	1661.4	1579.4	1536.5	1543.0	1552.1	1563.8	1618.4	1656.1
2073.8	10°	1941.1	1688.7	1501.3	1393.3	1341.3	1332.2	1327.0	1323.1	1355.6	1384.2
2250.7	12.5°	2058.1	1693.9	1432.4	1301.0	1237.2	1209.9	1178.7	1154.0	1159.2	1177.4
2518.7	15°	2267.6	1760.2	1410.3	1252.8	1173.5	1127.9	1091.5	1061.6	1055.1	1061.6
2752.9	17.5°	2507.0	1850.0	1407.7	1211.2	1112.3	1065.5	1035.6	1008.3	999.2	1000.5
2884.3	20°	2665.7	1921.5	1399.9	1164.4	1053.8	1012.2	986.1	958.8	949.7	952.3
2847.8	22.5°	2681.3	1959.3	1388.1	1112.3	995.2	960.1	934.1	909.4	908.1	908.1
2711.2	25°	2596.8	1959.3	1363.4	1065.5	939.3	908.1	884.7	854.7	859.9	862.5
2556.4	27.5°	2465.4	1912.4	1316.6	1027.8	891.2	858.6	835.2	807.9	814.4	818.3
2412.0	30°	2335.3	1852.6	1260.6	984.8	845.6	807.9	791.0	767.6	770.2	775.4
2268.9	32.5°	2214.3	1788.8	1194.3	949.7	800.1	762.4	749.4	723.3	727.2	732.5
2128.4	35°	2094.6	1718.6	1116.2	908.1	758.5	720.7	710.3	680.4	683.0	690.8
1987.9	37.5°	1965.8	1644.4	1052.5	866.5	718.1	679.1	668.7	637.5	640.1	649.2
1842.2	40°	1830.5	1571.6	990.0	822.2	675.2	636.2	627.1	593.2	595.8	606.3
1699.1	42.5°	1693.9	1492.2	941.9	765.0	631.0	589.3	580.2	549.0	552.9	564.6
1574.2	45°	1567.7	1397.3	910.7	701.2	589.3	542.5	533.4	504.8	512.6	525.6
1468.8	47.5°	1459.7	1299.7	897.7	647.9	545.1	494.4	486.6	463.1	476.2	490.5
1379.0	50°	1367.3	1206.0	880.8	593.2	503.5	452.7	444.9	429.3	446.2	460.5
1317.9	52.5°	1301.0	1099.3	844.3	543.8	467.1	417.6	415.0	407.2	422.8	435.8
1272.4	55°	1243.7	988.7	785.8	500.9	434.5	387.7	390.3	386.4	399.4	409.8
1245.0	57.5°	1191.7	892.5	711.6	467.1	399.4	361.7	369.5	364.3	370.8	377.3
1216.4	60°	1129.2	794.9	623.2	429.3	357.8	335.7	344.8	330.4	329.1	331.7
1164.4	62.5°	1036.9	663.5	530.8	382.5	321.3	307.0	310.9	283.6	262.8	262.8
1087.6	65°	908.1	533.4	444.9	330.4	279.7	268.0	265.4	226.4	197.7	195.1
1004.4	67.5°	758.5	438.4	369.5	278.4	232.9	225.1	227.7	199.0	170.4	167.8
921.1	70°	618.0	363.0	297.9	222.5	179.5	187.3	199.0	170.4	143.1	139.2
823.5	72.5°	502.2	288.8	232.9	170.4	132.7	154.8	169.1	139.2	113.2	110.6
702.5	75°	387.7	212.1	166.5	115.8	96.3	119.7	132.7	101.5	80.7	76.8
543.8	77.5°	258.9	131.4	93.7	72.9	57.2	82.0	88.5	53.3	46.8	45.5
395.5	80°	157.4	61.1	40.3	35.1	19.5	29.9	35.1	22.1	24.7	26.0
210.8	82.5°	79.4	16.9	6.5	1.3	0.0	0.0	10.4	5.2	10.4	13.0
57.2	85°	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	6.5
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

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CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
2615.0	0°	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0
2297.5	2.5°	2370.4	2425.0	2477.1	2560.3	2646.2	2730.8	2816.6	2899.9	2929.8	2951.9
1984.0	5°	2097.2	2200.0	2319.6	2484.9	2661.8	2843.9	3028.7	3197.8	3274.6	3326.6
1688.7	7.5°	1814.9	1948.9	2120.6	2369.1	2646.2	2936.3	3226.4	3493.1	3616.7	3716.9
1410.3	10°	1535.2	1680.9	1898.1	2181.7	2556.4	2972.7	3373.4	3740.3	3900.3	4026.5
1209.9	12.5°	1289.3	1425.9	1653.5	1967.1	2415.9	2944.1	3458.0	3899.0	4087.7	4229.5
1066.8	15°	1116.2	1212.5	1414.2	1752.4	2249.4	2851.7	3463.2	3974.5	4181.3	4329.7
1007.0	17.5°	1020.0	1052.5	1183.9	1533.9	2064.7	2730.8	3415.1	4000.5	4221.7	4359.6
953.6	20°	967.9	973.1	1009.6	1250.2	1827.9	2617.6	3369.5	4026.5	4259.4	4375.2
915.9	22.5°	926.3	926.3	935.4	1022.6	1522.1	2482.3	3355.2	4072.1	4311.4	4383.0
873.0	25°	888.6	888.6	891.2	914.6	1206.0	2275.4	3346.1	4142.3	4383.0	4402.5
830.0	27.5°	849.5	850.8	850.8	863.9	971.8	1994.4	3307.1	4233.4	4468.9	4428.5
788.4	30°	810.5	813.1	813.1	822.2	859.9	1665.3	3230.3	4342.7	4580.7	4462.4
746.8	32.5°	771.5	774.1	774.1	781.9	809.2	1329.6	3134.1	4442.8	4693.9	4476.7
706.4	35°	731.2	735.1	732.5	742.9	771.5	1057.7	3011.8	4543.0	4816.2	4522.2
667.4	37.5°	690.8	693.4	692.1	702.5	735.1	913.3	2870.0	4618.5	4982.8	4623.7
625.8	40°	650.5	649.2	649.2	660.9	696.0	871.7	2691.7	4738.2	5222.1	4801.9
584.1	42.5°	608.9	608.9	606.3	619.3	662.2	840.4	2521.3	4952.8	5570.8	5085.5
545.1	45°	571.1	569.8	564.6	576.3	629.7	785.8	2461.5	5353.5	6086.0	5544.8
506.1	47.5°	534.7	533.4	520.4	530.8	590.6	736.4	2685.2	6009.2	6800.2	6220.0
474.9	50°	502.2	503.5	478.8	487.9	551.6	698.6	3170.5	6860.1	7748.6	7129.4
448.8	52.5°	472.3	472.3	439.7	444.9	503.5	664.8	3632.3	7782.5	9000.2	8397.8
421.5	55°	442.3	439.7	403.3	405.9	455.3	616.7	3701.3	8682.7	10707.1	10306.4
391.6	57.5°	408.5	403.3	369.5	369.5	411.1	581.5	3208.2	9374.9	12825.1	13111.3
335.7	60°	366.9	363.0	340.9	334.4	376.0	612.8	2263.7	9455.5	14191.1	16841.2
266.7	62.5°	313.5	318.7	307.0	297.9	342.2	636.2	1341.3	8806.3	13860.6	18027.7
206.9	65°	247.2	268.0	265.4	258.9	376.0	536.0	792.3	7560.0	12847.2	17070.1
180.8	67.5°	210.8	225.1	221.2	221.2	394.2	407.2	498.3	5906.4	11452.5	15934.4
150.9	70°	179.5	193.8	179.5	179.5	297.9	247.2	344.8	4124.1	9947.3	14677.6
121.0	72.5°	148.3	162.6	147.0	136.6	238.1	184.7	252.4	2577.2	8518.8	13368.9
85.9	75°	113.2	130.1	118.4	105.4	157.4	137.9	191.2	1497.4	7057.8	11438.2
52.0	77.5°	71.6	93.7	88.5	74.2	115.8	100.2	137.9	891.2	5445.9	8937.7
31.2	80°	44.2	48.1	49.4	46.8	66.3	67.7	93.7	507.4	3727.3	6229.1
19.5	82.5°	28.6	28.6	22.1	24.7	32.5	39.0	53.3	191.2	2190.8	3792.4
11.7	85°	20.8	18.2	11.7	11.7	15.6	19.5	20.8	58.5	888.6	1497.4
5.2	87.5°	10.4	9.1	3.9	5.2	7.8	6.5	5.2	2.6	223.8	478.8
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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CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
2615.0	0°	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0	2615.0
3001.4	2.5°	3027.4	3067.7	3070.3	3070.3	3035.2	3033.9	2962.3	2954.5
3443.7	5°	3564.7	3590.7	3597.2	3584.2	3513.9	3461.9	3322.7	3292.8
3895.1	7.5°	4056.5	4108.5	4108.5	4077.3	3962.8	3856.1	3654.5	3579.0
4268.5	10°	4449.3	4509.2	4496.2	4432.4	4288.0	4141.0	3896.4	3797.6
4494.9	12.5°	4640.6	4701.7	4667.9	4595.1	4454.6	4299.7	4042.1	3930.3
4559.9	15°	4636.7	4619.8	4584.7	4575.5	4507.9	4390.8	4150.1	4027.8
4519.6	17.5°	4471.5	4328.4	4301.0	4392.1	4478.0	4449.3	4243.8	4129.3
4423.3	20°	4210.0	3960.2	3935.5	4109.8	4354.4	4479.3	4331.0	4225.6
4284.1	22.5°	3934.2	3664.9	3607.6	3800.2	4168.3	4488.4	4441.5	4336.2
4130.6	25°	3672.7	3402.1	3344.8	3524.4	3961.5	4472.8	4561.2	4471.5
3983.6	27.5°	3454.1	3192.6	3139.3	3318.8	3762.4	4428.5	4680.9	4617.2
3837.9	30°	3285.0	3043.0	3004.0	3177.0	3590.7	4373.9	4833.1	4798.0
3702.6	32.5°	3186.1	3009.2	3023.5	3165.3	3498.3	4314.0	4978.8	4995.8
3636.2	35°	3283.7	3291.5	3416.4	3474.9	3584.2	4304.9	5176.6	5242.9
3715.6	37.5°	3768.9	4039.5	4298.4	4250.3	4004.4	4410.3	5471.9	5595.5
4061.7	40°	4595.1	5150.6	5570.8	5387.4	4768.1	4733.0	5897.3	6082.1
4675.7	42.5°	5604.6	6546.5	7238.6	6746.9	5752.9	5297.6	6504.9	6740.4
5418.6	45°	6670.1	8267.7	9357.9	8335.4	6802.8	6088.6	7424.7	7609.4
6114.6	47.5°	7792.9	10359.7	11770.0	10096.9	7776.0	6988.9	8678.8	8721.8
6774.2	50°	9021.0	12653.3	14228.8	11857.1	8715.3	8020.5	10211.4	10161.9
7543.1	52.5°	10190.6	15012.0	16635.6	13625.2	9540.1	9300.7	11989.8	11888.3
8594.3	55°	11306.8	17369.4	19056.7	15324.2	10318.1	10992.0	14102.6	13488.6
10109.9	57.5°	12601.3	19488.7	21552.0	17031.1	11405.7	13188.0	16465.2	14417.5
13012.4	60°	14515.0	21896.8	24373.8	19370.3	13474.2	15496.0	17312.1	14240.5
16488.6	62.5°	16958.3	24111.0	26425.5	21662.6	15551.9	15930.5	16064.5	12877.1
15779.6	65°	17433.1	24671.8	26541.3	22275.4	15283.9	13513.3	13115.2	10350.6
14094.8	67.5°	16173.8	23658.3	24922.9	21134.4	13519.8	10443.0	9841.9	7509.3
12989.0	70°	14760.9	21726.4	22102.3	19194.6	11891.0	7681.0	6646.7	4818.8
12231.8	72.5°	13312.9	19149.1	18371.1	16669.4	10450.8	5592.9	4794.1	3425.5
11153.3	75°	11593.0	15760.1	14470.8	13850.2	8652.8	4389.5	3468.4	2363.9
9593.4	77.5°	9283.8	11093.4	10748.7	10735.7	6502.3	3206.9	2314.4	1481.8
7494.9	80°	6549.1	7199.6	7024.0	8085.6	4362.2	2326.2	1393.3	824.8
5216.9	82.5°	3170.5	3981.0	4086.4	4814.9	2121.9	1368.6	321.3	179.5
2039.9	85°	1241.1	1920.2	1619.7	1827.9	595.8	381.2	7.8	0.0
335.7	87.5°	139.2	222.5	204.3	161.3	72.9	15.6	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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