

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: P954081

Luminaire Tested: **GLAN-SB7B-940-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954081
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-SB7B-940-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 22147 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 256.7
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



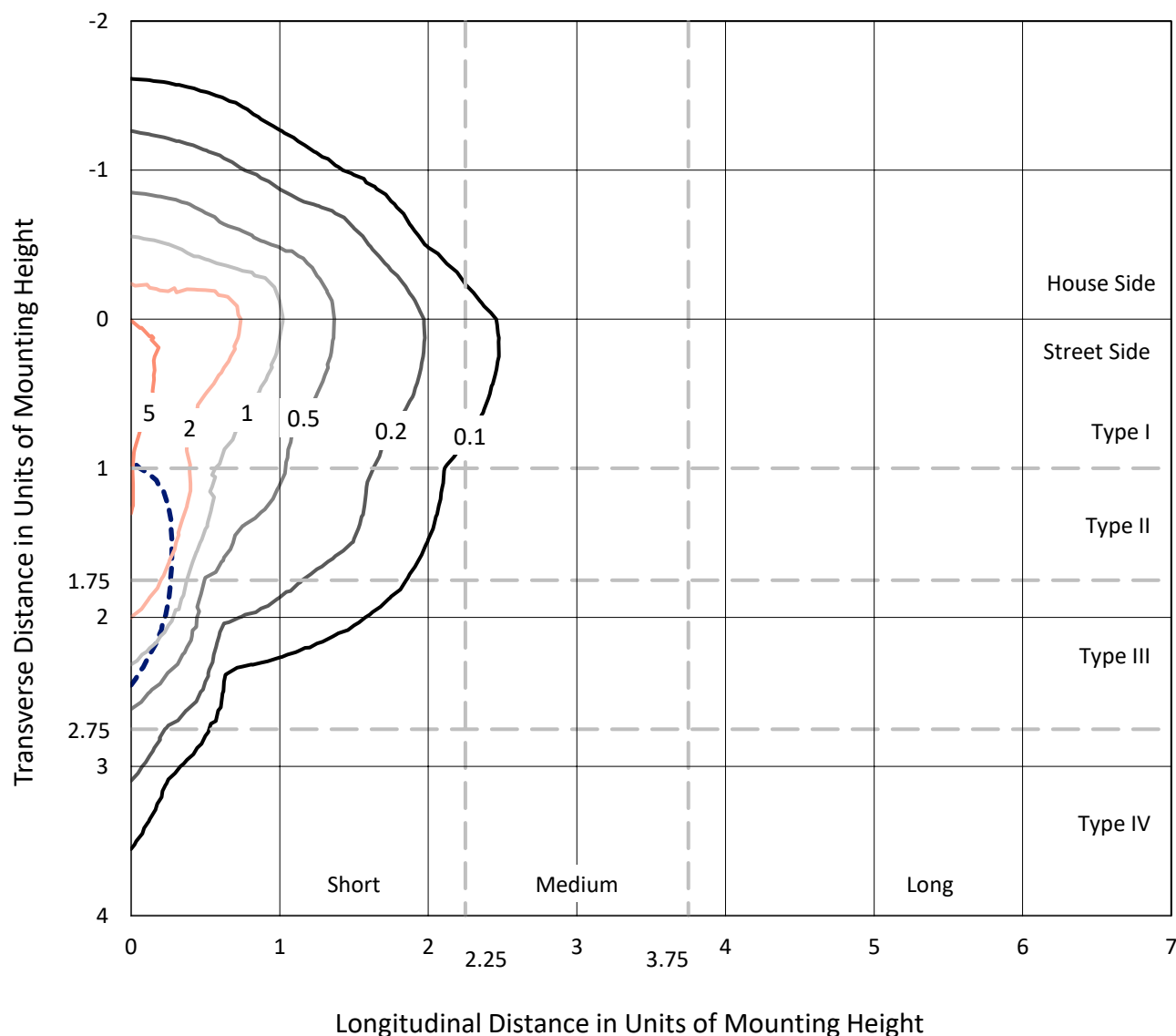
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

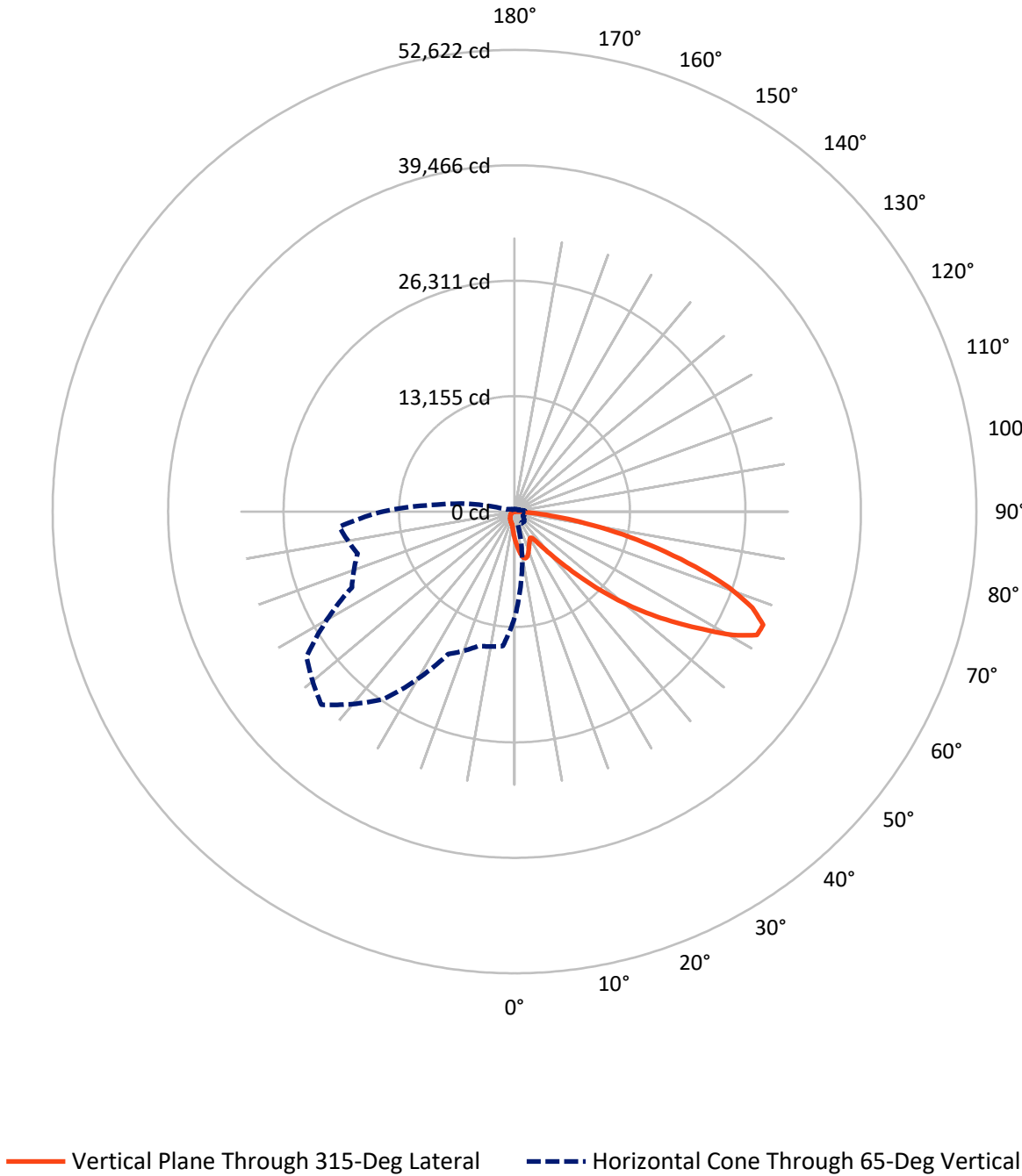


Based on 25 foot mounting height. Maximum calculated value = 6.8 fc

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	3101.5	0.0	3101.5
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	19045.5	0.0	19045.5
	% Fixture	86.0	0.0	86.0
Total	Lumens	22147.0	0.0	22147.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.9	1.4
10°-20°	905.1	4.1
20°-30°	1333.4	6.0
30°-40°	1713.0	7.7
40°-50°	2770.4	12.5
50°-60°	4858.2	21.9
60°-70°	6079.0	27.4
70°-80°	3552.3	16.0
80°-90°	633.8	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°	22147.0	100.0
0°-180°	22147.0	100.0

Coefficient of Utilization



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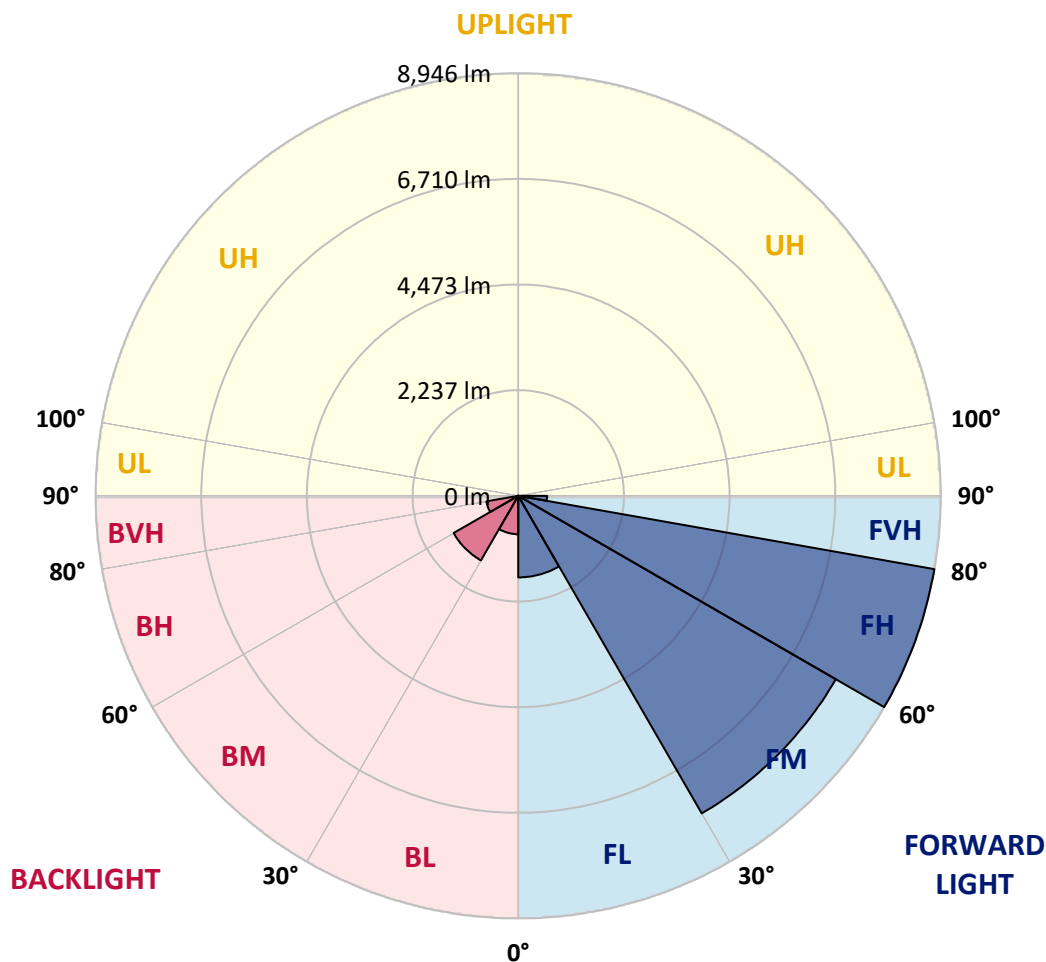
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1727.4	7.8			
FM	(30°-60°)	7762.3	35.0			
FH	(60°-80°)	8946.4	40.4			G4/12000
FVH	(80°-90°)	609.4	2.8			G4/750
BL	(0°-30°)	813.0	3.7	B2/1000		
BM	(30°-60°)	1579.4	7.1	B2/2500		
BH	(60°-80°)	684.8	3.1	B2/1000		G2/1000
BVH	(80°-90°)	24.3	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°	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7
2.5°	3464.9	3405.4	3370.3	3283.3	3196.3	3126.2	3031.6	2969.0	2894.2	2822.5
5°	3861.5	3765.4	3649.5	3490.8	3345.9	3197.9	3054.4	2912.6	2763.0	2625.7
7.5°	4197.2	4058.4	3853.9	3643.4	3458.8	3280.2	3112.4	2924.8	2743.2	2528.1
10°	4453.5	4276.5	4008.0	3731.9	3519.8	3339.8	3176.5	3017.8	2834.7	2575.4
12.5°	4609.1	4419.9	4101.1	3777.6	3535.0	3333.6	3207.0	3136.8	3065.1	2807.3
15°	4723.6	4519.1	4166.7	3809.7	3499.9	3252.8	3159.7	3229.9	3312.3	3147.5
17.5°	4842.6	4627.4	4252.1	3823.4	3405.4	3095.6	3056.0	3237.5	3428.2	3420.6
20°	4955.5	4741.9	4326.9	3814.2	3252.8	2904.9	2940.0	3171.9	3393.1	3486.2
22.5°	5085.1	4859.3	4398.6	3779.2	3054.4	2726.4	2836.3	3068.2	3261.9	3371.8
25°	5243.8	5007.3	4499.3	3727.3	2840.8	2578.4	2731.0	2947.6	3104.8	3181.1
27.5°	5414.7	5184.3	4633.5	3699.8	2668.4	2473.2	2612.0	2804.2	2944.6	2998.0
30°	5626.8	5390.3	4792.2	3669.3	2555.5	2412.1	2488.4	2637.9	2775.2	2828.6
32.5°	5858.7	5619.1	4944.8	3596.1	2486.9	2366.4	2367.9	2462.5	2587.6	2651.7
35°	6148.6	5893.8	5108.0	3435.9	2432.0	2313.0	2250.4	2296.2	2399.9	2476.2
37.5°	6562.0	6253.8	5307.9	3207.0	2351.1	2230.6	2126.8	2137.5	2216.8	2300.8
40°	7132.6	6737.5	5542.9	2969.0	2235.1	2114.6	1991.0	1986.5	2044.4	2126.8
42.5°	7904.6	7376.7	5825.1	2741.7	2123.8	1974.3	1847.6	1840.0	1885.8	1957.5
45°	8923.8	8194.5	6171.4	2546.4	2036.8	1836.9	1711.8	1708.8	1746.9	1809.5
47.5°	10228.3	9331.2	6517.8	2413.7	1991.0	1728.6	1600.5	1606.6	1640.1	1696.6
50°	11917.2	10812.6	6623.1	2346.5	1991.0	1670.6	1501.3	1531.8	1559.3	1602.0
52.5°	13941.8	12234.6	6275.2	2285.5	2003.2	1678.3	1417.4	1483.0	1502.8	1539.4
55°	15818.4	12931.8	5394.9	2201.6	2006.3	1725.6	1345.7	1443.3	1479.9	1493.7
57.5°	16907.8	12692.3	4362.0	2059.7	1994.1	1757.6	1299.9	1394.5	1464.7	1473.8
60°	16700.3	11851.6	3211.6	1951.4	1904.1	1745.4	1286.2	1319.7	1431.1	1444.8
62.5°	15101.3	10441.9	2229.0	1867.5	1705.7	1692.0	1281.6	1202.2	1357.9	1391.4
65°	12138.4	8220.5	1574.5	1608.1	1495.2	1576.0	1257.2	1080.2	1269.4	1315.2
67.5°	8806.3	5562.7	1136.6	1302.9	1354.8	1388.4	1202.2	991.7	1168.7	1229.7
70°	5651.2	3004.1	797.9	860.5	1141.2	1179.4	1107.7	912.4	1066.5	1136.6
72.5°	4017.2	1774.4	573.7	602.7	916.9	982.5	974.9	823.9	947.5	1032.9
75°	2772.2	978.0	387.5	430.2	665.2	797.9	752.2	707.9	802.5	889.5
77.5°	1737.8	437.9	231.9	299.0	436.3	627.1	515.7	547.7	625.5	706.4
80°	967.3	169.4	129.7	198.3	238.0	456.2	285.3	352.4	460.8	518.7
82.5°	210.5	21.4	58.0	85.4	93.1	265.5	151.0	204.4	289.9	285.3
85°	0.0	0.0	10.7	12.2	6.1	114.4	54.9	67.1	94.6	88.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
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°
3066.7	0°	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7
2758.5	2.5°	2746.3	2671.5	2616.6	2589.1	2566.2	2587.6	2599.8	2599.8	2651.7	2682.2
2541.8	5°	2488.4	2354.2	2251.9	2183.3	2142.1	2155.8	2171.1	2187.8	2253.5	2297.7
2413.7	7.5°	2309.9	2103.9	1948.3	1852.2	1801.8	1809.5	1820.2	1833.9	1898.0	1942.2
2432.0	10°	2276.3	1980.4	1760.7	1634.0	1573.0	1562.3	1556.2	1551.6	1589.8	1623.3
2639.5	12.5°	2413.7	1986.5	1679.8	1525.7	1450.9	1418.9	1382.3	1353.3	1359.4	1380.8
2953.7	15°	2659.3	2064.3	1653.9	1469.2	1376.2	1322.8	1280.1	1245.0	1237.3	1245.0
3228.4	17.5°	2940.0	2169.5	1650.8	1420.4	1304.5	1249.5	1214.5	1182.4	1171.7	1173.3
3382.5	20°	3126.2	2253.5	1641.6	1365.5	1235.8	1187.0	1156.5	1124.4	1113.8	1116.8
3339.8	22.5°	3144.5	2297.7	1627.9	1304.5	1167.2	1126.0	1095.5	1066.5	1064.9	1064.9
3179.6	25°	3045.3	2297.7	1598.9	1249.5	1101.6	1064.9	1037.5	1002.4	1008.5	1011.5
2998.0	27.5°	2891.2	2242.8	1544.0	1205.3	1045.1	1007.0	979.5	947.5	955.1	959.7
2828.6	30°	2738.6	2172.6	1478.4	1155.0	991.7	947.5	927.6	900.2	903.2	909.3
2660.8	32.5°	2596.7	2097.8	1400.6	1113.8	938.3	894.1	878.8	848.3	852.9	859.0
2496.0	35°	2456.4	2015.4	1309.0	1064.9	889.5	845.2	833.0	797.9	801.0	810.1
2331.3	37.5°	2305.3	1928.5	1234.3	1016.1	842.2	796.4	784.2	747.6	750.6	761.3
2160.4	40°	2146.7	1843.0	1161.1	964.2	791.8	746.1	735.4	695.7	698.8	711.0
1992.6	42.5°	1986.5	1750.0	1104.6	897.1	740.0	691.1	680.5	643.8	648.4	662.2
1846.1	45°	1838.5	1638.6	1068.0	822.4	691.1	636.2	625.5	592.0	601.1	616.4
1722.5	47.5°	1711.8	1524.2	1052.7	759.8	639.3	579.8	570.6	543.1	558.4	575.2
1617.2	50°	1603.5	1414.3	1032.9	695.7	590.4	530.9	521.8	503.5	523.3	540.1
1545.5	52.5°	1525.7	1289.2	990.2	637.7	547.7	489.7	486.7	477.5	495.9	511.1
1492.1	55°	1458.6	1159.5	921.5	587.4	509.6	454.7	457.7	453.1	468.4	480.6
1460.1	57.5°	1397.5	1046.6	834.6	547.7	468.4	424.1	433.3	427.2	434.8	442.5
1426.5	60°	1324.3	932.2	730.8	503.5	419.6	393.6	404.3	387.5	386.0	389.1
1365.5	62.5°	1216.0	778.1	622.5	448.6	376.8	360.1	364.6	332.6	308.2	308.2
1275.5	65°	1064.9	625.5	521.8	387.5	328.0	314.3	311.2	265.5	231.9	228.9
1177.8	67.5°	889.5	514.2	433.3	326.5	273.1	263.9	267.0	233.4	199.9	196.8
1080.2	70°	724.7	425.7	349.4	260.9	210.5	219.7	233.4	199.9	167.8	163.2
965.8	72.5°	588.9	338.7	273.1	199.9	155.6	181.6	198.3	163.2	132.7	129.7
823.9	75°	454.7	248.7	195.3	135.8	112.9	140.4	155.6	119.0	94.6	90.0
637.7	77.5°	303.6	154.1	109.9	85.4	67.1	96.1	103.7	62.6	54.9	53.4
463.8	80°	184.6	71.7	47.3	41.2	22.9	35.1	41.2	25.9	29.0	30.5
247.2	82.5°	93.1	19.8	7.6	1.5	0.0	0.0	12.2	6.1	12.2	15.3
67.1	85°	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	7.6
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°
3066.7	0°	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7
2694.4	2.5°	2779.8	2843.9	2904.9	3002.6	3103.3	3202.4	3303.1	3400.8	3435.9	3461.8
2326.7	5°	2459.4	2580.0	2720.3	2914.1	3121.6	3335.2	3551.8	3750.2	3840.2	3901.2
1980.4	7.5°	2128.3	2285.5	2486.9	2778.3	3103.3	3443.5	3783.7	4096.5	4241.4	4358.9
1653.9	10°	1800.3	1971.2	2226.0	2558.6	2998.0	3486.2	3956.1	4386.4	4574.0	4722.0
1418.9	12.5°	1512.0	1672.2	1939.2	2306.9	2833.2	3452.7	4055.3	4572.5	4793.7	4960.0
1251.1	15°	1309.0	1421.9	1658.4	2055.1	2637.9	3344.3	4061.4	4661.0	4903.6	5077.5
1180.9	17.5°	1196.1	1234.3	1388.4	1798.8	2421.3	3202.4	4005.0	4691.5	4950.9	5112.6
1118.3	20°	1135.1	1141.2	1183.9	1466.2	2143.6	3069.7	3951.6	4722.0	4995.1	5130.9
1074.1	22.5°	1086.3	1086.3	1097.0	1199.2	1785.1	2911.0	3934.8	4775.4	5056.2	5140.1
1023.7	25°	1042.1	1042.1	1045.1	1072.6	1414.3	2668.4	3924.1	4857.8	5140.1	5163.0
973.4	27.5°	996.3	997.8	997.8	1013.1	1139.7	2338.9	3878.3	4964.6	5240.8	5193.5
924.6	30°	950.5	953.6	953.6	964.2	1008.5	1952.9	3788.3	5092.8	5372.0	5233.1
875.8	32.5°	904.7	907.8	907.8	916.9	949.0	1559.3	3675.4	5210.3	5504.7	5249.9
828.5	35°	857.4	862.0	859.0	871.2	904.7	1240.4	3532.0	5327.7	5648.1	5303.3
782.7	37.5°	810.1	813.2	811.7	823.9	862.0	1071.0	3365.7	5416.2	5843.4	5422.3
733.9	40°	762.8	761.3	761.3	775.1	816.2	1022.2	3156.7	5556.6	6124.1	5631.3
685.0	42.5°	714.0	714.0	711.0	726.2	776.6	985.6	2956.8	5808.3	6533.0	5963.9
639.3	45°	669.8	668.3	662.2	675.9	738.4	921.5	2886.6	6278.2	7137.2	6502.5
593.5	47.5°	627.1	625.5	610.3	622.5	692.7	863.5	3149.0	7047.2	7974.8	7294.4
556.9	50°	588.9	590.4	561.5	572.1	646.9	819.3	3718.1	8045.0	9087.1	8360.8
526.4	52.5°	553.8	553.8	515.7	521.8	590.4	779.6	4259.7	9126.7	10554.8	9848.4
494.3	55°	518.7	515.7	473.0	476.0	534.0	723.2	4340.6	10182.5	12556.5	12086.6
459.2	57.5°	479.1	473.0	433.3	433.3	482.1	682.0	3762.4	10994.2	15040.3	15376.0
393.6	60°	430.2	425.7	399.7	392.1	440.9	718.6	2654.7	11088.8	16642.3	19750.1
312.8	62.5°	367.7	373.8	360.1	349.4	401.3	746.1	1573.0	10327.4	16254.8	21141.6
242.6	65°	289.9	314.3	311.2	303.6	440.9	628.6	929.1	8865.8	15066.3	20018.7
212.1	67.5°	247.2	263.9	259.4	259.4	462.3	477.5	584.3	6926.7	13430.7	18686.7
177.0	70°	210.5	227.3	210.5	210.5	349.4	289.9	404.3	4836.5	11665.5	17212.9
141.9	72.5°	173.9	190.7	172.4	160.2	279.2	216.6	296.0	3022.4	9990.3	15678.1
100.7	75°	132.7	152.6	138.8	123.6	184.6	161.7	224.3	1756.1	8276.9	13413.9
61.0	77.5°	83.9	109.9	103.7	87.0	135.8	117.5	161.7	1045.1	6386.6	10481.5
36.6	80°	51.9	56.5	58.0	54.9	77.8	79.3	109.9	595.0	4371.1	7305.0
22.9	82.5°	33.6	33.6	25.9	29.0	38.1	45.8	62.6	224.3	2569.3	4447.4
13.7	85°	24.4	21.4	13.7	13.7	18.3	22.9	24.4	68.7	1042.1	1756.1
6.1	87.5°	12.2	10.7	4.6	6.1	9.2	7.6	6.1	3.1	262.4	561.5
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°
3066.7	0°	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7	3066.7
3519.8	2.5°	3550.3	3597.6	3600.6	3600.6	3559.5	3557.9	3474.0	3464.9
4038.5	5°	4180.4	4210.9	4218.6	4203.3	4120.9	4059.9	3896.6	3861.5
4567.9	7.5°	4757.1	4818.2	4818.2	4781.5	4647.3	4522.2	4285.7	4197.2
5005.8	10°	5217.9	5288.1	5272.8	5198.0	5028.7	4856.3	4569.5	4453.5
5271.3	12.5°	5442.2	5513.9	5474.2	5388.8	5224.0	5042.4	4740.3	4609.1
5347.6	15°	5437.6	5417.7	5376.6	5365.9	5286.5	5149.2	4867.0	4723.6
5300.3	17.5°	5243.8	5076.0	5044.0	5150.8	5251.4	5217.9	4976.8	4842.6
5187.4	20°	4937.2	4644.2	4615.2	4819.7	5106.5	5253.0	5079.0	4955.5
5024.1	22.5°	4613.7	4297.9	4230.8	4456.6	4888.3	5263.7	5208.7	5085.1
4844.1	25°	4307.0	3989.7	3922.6	4133.1	4645.7	5245.3	5349.1	5243.8
4671.7	27.5°	4050.7	3744.1	3681.5	3892.1	4412.3	5193.5	5489.5	5414.7
4500.8	30°	3852.4	3568.6	3522.8	3725.8	4210.9	5129.4	5668.0	5626.8
4342.1	32.5°	3736.4	3528.9	3545.7	3712.0	4102.6	5059.2	5838.8	5858.7
4264.3	35°	3850.9	3860.0	4006.5	4075.1	4203.3	5048.5	6070.7	6148.6
4357.4	37.5°	4419.9	4737.3	5040.9	4984.5	4696.1	5172.1	6417.1	6562.0
4763.2	40°	5388.8	6040.2	6533.0	6317.9	5591.7	5550.5	6916.0	7132.6
5483.4	42.5°	6572.7	7677.3	8489.0	7912.3	6746.6	6212.6	7628.5	7904.6
6354.5	45°	7822.2	9695.8	10974.3	9775.1	7977.9	7140.3	8707.2	8923.8
7170.8	47.5°	9138.9	12149.1	13803.0	11840.9	9119.1	8196.0	10177.9	10228.3
7944.3	50°	10579.2	14838.9	16686.5	13905.2	10220.6	9405.9	11975.2	11917.2
8846.0	52.5°	11950.8	17605.0	19509.1	15978.6	11187.9	10907.2	14060.8	13941.8
10078.8	55°	13259.8	20369.6	22348.4	17971.2	12100.3	12890.6	16538.6	15818.4
11856.2	57.5°	14777.9	22854.9	25274.7	19972.9	13375.8	15466.0	19309.2	16907.8
15260.0	60°	17022.2	25679.0	28583.9	22716.1	15801.6	18172.6	20302.4	16700.3
19336.7	62.5°	19887.5	28275.7	30990.0	25404.4	18238.2	18682.2	18839.3	15101.3
18505.2	65°	20444.3	28933.3	31125.7	26123.0	17923.9	15847.4	15380.6	12138.4
16529.4	67.5°	18967.5	27744.8	29227.8	24784.9	15855.0	12246.8	11541.9	8806.3
15232.6	70°	17310.6	25479.1	25920.1	22510.1	13944.9	9007.7	7794.8	5651.2
14344.6	72.5°	15612.5	22456.7	21544.4	19548.8	12255.9	6559.0	5622.2	4017.2
13079.8	75°	13595.5	18482.3	16970.3	16242.6	10147.4	5147.7	4067.5	2772.2
11250.5	77.5°	10887.4	13009.6	12605.3	12590.1	7625.4	3760.8	2714.2	1737.8
8789.5	80°	7680.4	8443.2	8237.2	9482.2	5115.7	2727.9	1634.0	967.3
6118.0	82.5°	3718.1	4668.6	4792.2	5646.6	2488.4	1605.0	376.8	210.5
2392.3	85°	1455.5	2251.9	1899.5	2143.6	698.8	447.0	9.2	0.0
393.6	87.5°	163.2	260.9	239.5	189.2	85.4	18.3	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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