

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: P939974

Luminaire Tested: **GLAN-SB2D-827-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-827-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

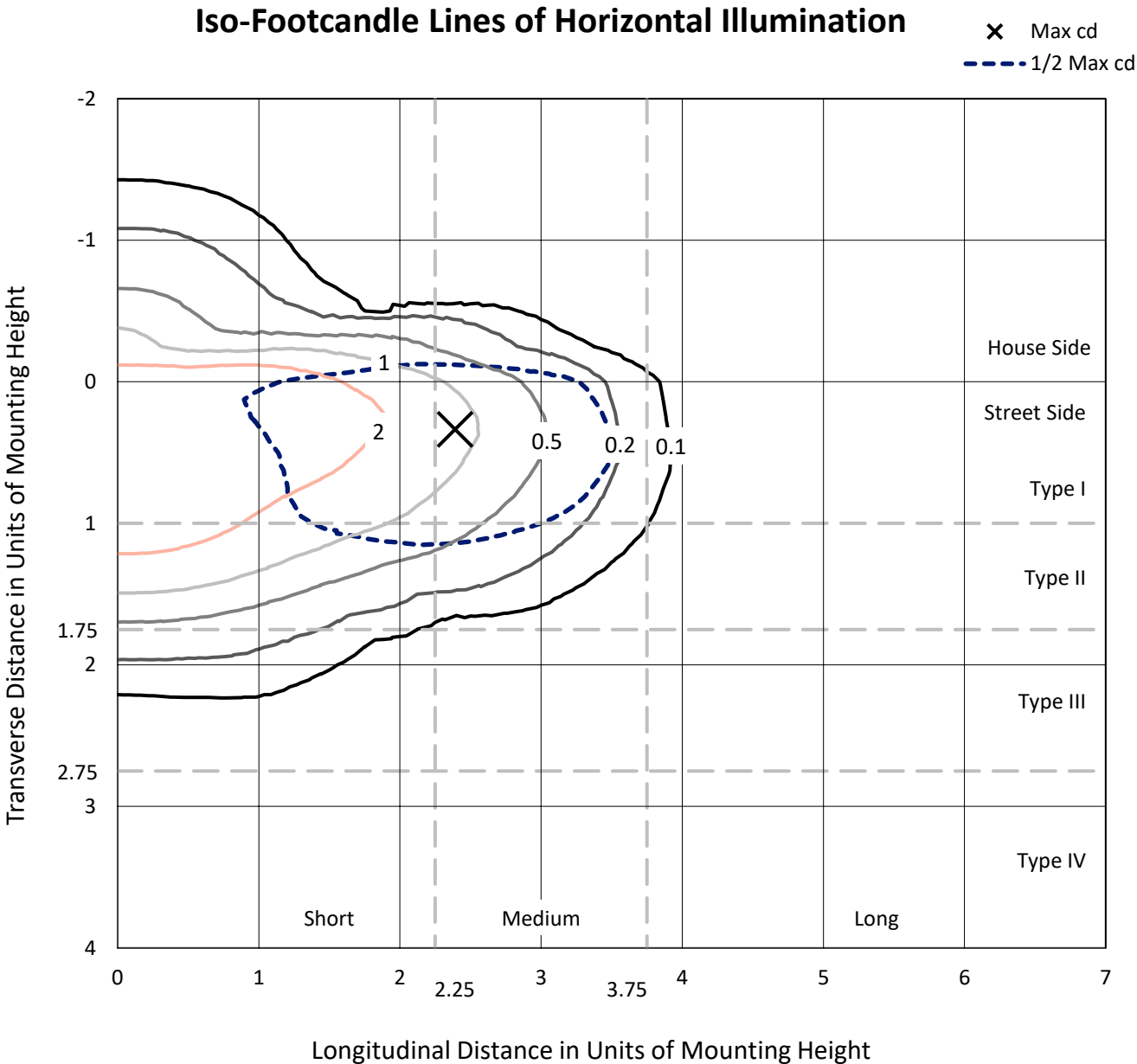
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12922 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 147.6
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



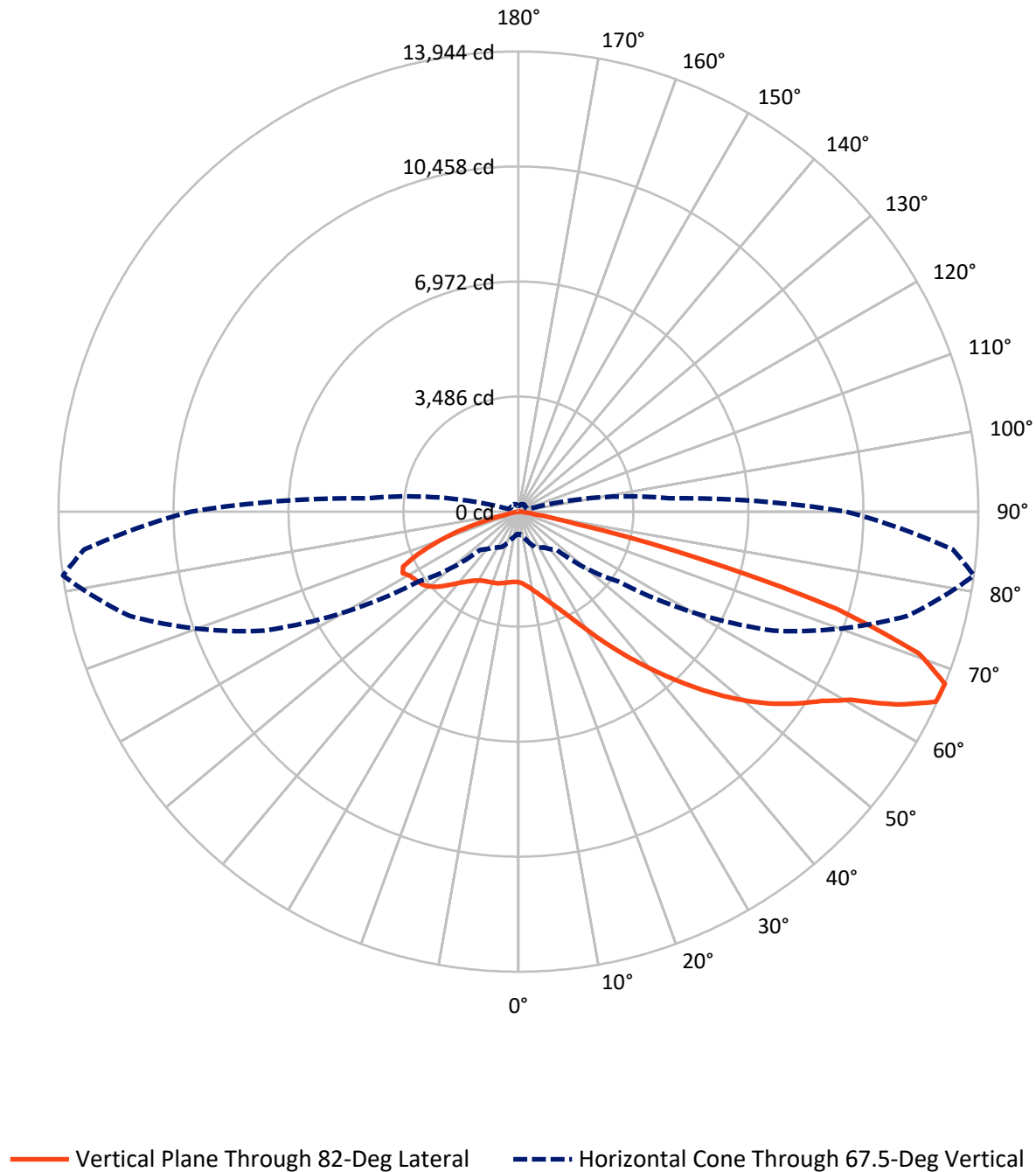
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Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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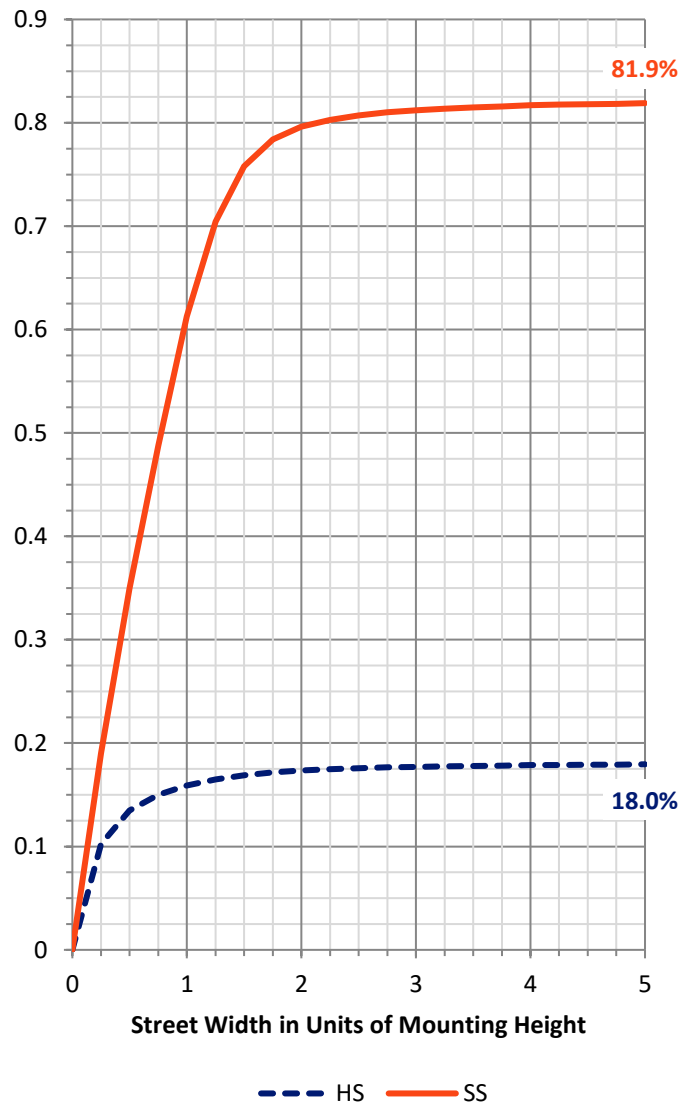
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2340.7	0.0	2340.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	10581.3	0.0	10581.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	12922.0	0.0	12922.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.7	1.5
10°-20°	495.6	3.8
20°-30°	793.8	6.1
30°-40°	1403.7	10.9
40°-50°	2459.4	19.0
50°-60°	3280.2	25.4
60°-70°	3053.7	23.6
70°-80°	1172.0	9.1
80°-90°	72.8	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°	12922.0	100.0
0°-180°	12922.0	100.0

Coefficient of Utilization



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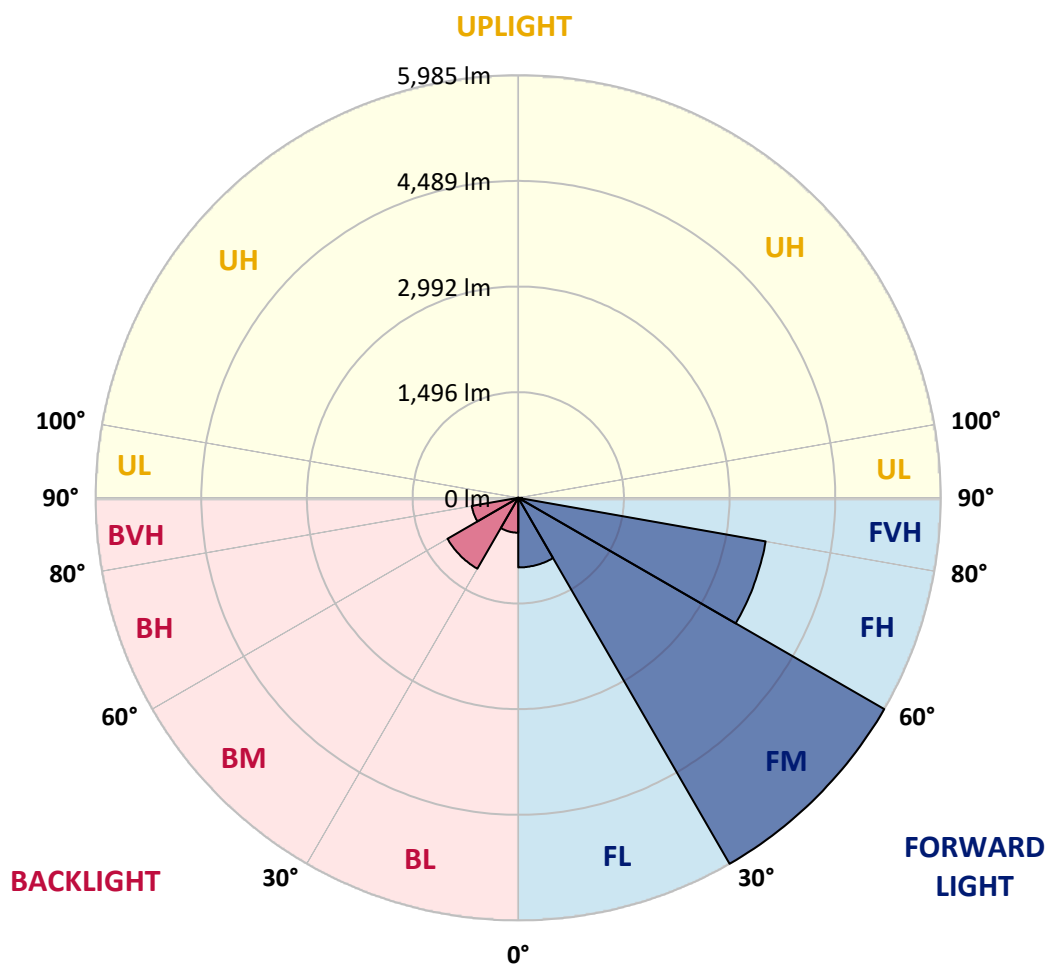
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	985.8	7.6			
FM	(30°-60°)	5984.9	46.3			
FH	(60°-80°)	3557.6	27.5			G2/5000
FVH	(80°-90°)	52.9	0.4			G1/100
BL	(0°-30°)	494.4	3.8	B1/500		
BM	(30°-60°)	1158.4	9.0	B2/2500		
BH	(60°-80°)	668.1	5.2	B2/1000		G2/1000
BVH	(80°-90°)	19.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2140.7	2140.7	2140.7	2140.7	2140.7	2140.7	2140.7	2140.7	2140.7	2140.7
2.5°	2262.6	2275.6	2268.2	2264.5	2258.0	2248.7	2241.2	2218.0	2193.8	2178.0
5°	2308.2	2321.2	2320.3	2324.0	2328.7	2331.5	2329.6	2303.5	2269.1	2242.1
7.5°	2269.1	2284.0	2296.1	2314.7	2347.3	2381.7	2398.4	2392.9	2357.5	2320.3
10°	2158.4	2174.2	2203.1	2246.8	2315.6	2390.1	2452.4	2481.2	2458.9	2418.0
12.5°	1955.6	1971.4	2028.2	2123.1	2238.4	2367.7	2486.8	2564.0	2569.6	2528.7
15°	1727.7	1743.5	1804.0	1923.0	2098.9	2306.3	2505.4	2651.5	2700.8	2665.5
17.5°	1586.2	1600.2	1645.8	1741.6	1924.9	2183.5	2498.9	2744.5	2857.1	2829.2
20°	1543.5	1555.5	1576.9	1643.9	1796.5	2056.1	2456.1	2832.0	3025.5	3009.7
22.5°	1589.0	1600.2	1606.7	1636.5	1732.3	1972.3	2402.2	2921.3	3220.9	3222.7
25°	1694.2	1705.3	1697.9	1716.5	1758.4	1946.3	2381.7	3026.4	3466.5	3487.0
27.5°	1867.2	1868.1	1850.5	1849.5	1856.1	1985.4	2403.1	3139.0	3776.3	3814.4
30°	2214.2	2200.3	2132.4	2058.9	2025.4	2102.6	2462.6	3272.0	4141.9	4209.8
32.5°	2749.2	2728.7	2604.1	2428.2	2251.4	2291.5	2569.6	3423.7	4540.1	4662.9
35°	3329.7	3324.1	3193.9	2932.5	2623.6	2560.3	2743.6	3622.8	4974.6	5170.0
37.5°	3869.3	3866.5	3792.1	3484.2	3108.3	2935.3	3022.7	3883.3	5439.8	5722.6
40°	4362.4	4370.8	4296.4	4021.0	3642.3	3416.2	3402.3	4205.2	5957.0	6324.5
42.5°	4788.5	4797.8	4722.5	4518.7	4169.8	3948.4	3868.4	4599.7	6462.2	6971.1
45°	5077.9	5135.5	5124.4	4961.6	4711.3	4481.5	4428.5	5094.6	7038.1	7656.8
47.5°	5159.7	5212.8	5296.5	5318.8	5166.2	4940.2	5003.4	5691.0	7620.5	8343.4
50°	4957.8	5007.2	5181.1	5412.8	5518.8	5449.1	5562.6	6330.1	8216.9	9028.1
52.5°	4559.7	4609.9	4829.5	5196.0	5628.6	5848.2	6123.6	6960.0	8794.6	9676.6
55°	3983.8	4036.8	4318.7	4733.6	5419.3	6012.9	6591.5	7588.9	9324.0	10259.9
57.5°	3200.4	3239.5	3532.5	4113.1	4892.7	5849.1	6936.7	8275.5	9822.6	10833.0
60°	2085.8	2120.3	2460.8	3108.3	4020.0	5302.1	7005.5	9041.2	10485.1	11578.2
62.5°	1387.2	1410.4	1612.3	2087.7	2831.1	4251.7	6602.7	9652.4	11456.3	12875.1
65°	951.7	975.0	1176.9	1508.1	1829.1	2812.5	5444.4	9571.5	12336.5	13905.0
67.5°	679.2	698.7	869.9	1182.5	1323.9	1633.7	3690.7	8536.9	12209.9	13944.1
70°	486.6	497.7	639.2	921.0	1052.2	981.5	2052.4	6529.2	10690.7	12876.1
72.5°	340.5	344.2	443.8	701.5	847.5	716.4	976.9	4353.1	8085.7	10106.4
75°	230.7	235.4	298.6	514.5	680.1	547.0	517.3	2334.3	4746.7	5594.2
77.5°	141.4	143.3	192.6	351.7	508.9	416.8	333.1	989.0	1836.5	1803.0
80°	80.0	80.0	122.8	218.6	347.0	268.9	233.5	420.5	581.5	510.8
82.5°	44.7	45.6	89.3	135.8	229.8	159.1	128.4	194.4	251.2	222.4
85°	18.6	20.5	54.9	64.2	109.8	79.1	52.1	81.9	93.0	82.8
87.5°	1.9	2.8	16.7	12.1	13.0	15.8	7.4	15.8	13.0	13.0
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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2140.7	0°	2140.7	2140.7	2140.7	2140.7	2140.7	2140.7	2140.7	2140.7	2140.7	2140.7
2172.4	2.5°	2154.7	2140.7	2105.4	2064.4	2010.5	1984.4	1949.1	1924.9	1904.4	1906.3
2226.3	5°	2196.6	2161.2	2082.1	1983.5	1860.7	1773.2	1680.2	1616.0	1563.9	1552.8
2300.8	7.5°	2254.2	2198.4	2059.8	1882.1	1674.6	1517.4	1376.9	1286.7	1222.5	1202.0
2391.0	10°	2328.7	2247.7	2031.0	1754.6	1456.0	1256.0	1105.3	1034.6	990.8	975.9
2497.1	12.5°	2415.2	2304.5	1992.8	1599.3	1230.9	1038.3	942.4	907.1	893.1	888.5
2627.3	15°	2524.0	2375.2	1935.1	1415.1	1040.1	905.2	864.3	859.6	861.5	859.6
2783.6	17.5°	2653.4	2452.4	1841.2	1225.3	911.7	837.3	822.4	826.2	830.8	829.9
2958.5	20°	2794.8	2528.7	1721.1	1056.9	824.3	788.9	780.6	784.3	788.0	786.1
3160.4	22.5°	2955.7	2610.6	1588.1	925.7	765.7	744.3	735.0	735.9	735.9	732.2
3416.2	25°	3148.3	2700.8	1448.6	832.7	721.0	704.3	693.1	689.4	683.8	672.6
3727.0	27.5°	3378.1	2796.6	1314.6	767.5	685.7	669.9	656.8	647.5	633.6	615.0
4100.1	30°	3636.7	2912.9	1201.1	726.6	657.8	641.9	627.1	613.1	592.6	569.4
4528.9	32.5°	3941.0	3037.6	1118.3	699.6	632.6	615.9	598.2	581.5	559.1	535.9
5010.9	35°	4303.8	3188.3	1069.9	681.0	613.1	590.8	571.2	552.6	535.9	515.4
5534.7	37.5°	4697.3	3348.3	1055.0	671.7	600.1	565.7	543.3	530.3	528.4	516.3
6101.2	40°	5128.1	3538.1	1066.2	666.1	586.1	541.5	517.3	514.5	519.1	497.7
6706.9	42.5°	5584.0	3763.3	1084.8	659.6	566.6	517.3	494.0	494.0	490.3	460.5
7347.0	45°	6077.1	4022.8	1103.4	643.8	543.3	493.1	475.4	468.9	453.1	424.2
7990.8	47.5°	6573.9	4287.1	1117.4	615.0	515.4	472.6	456.8	441.9	418.7	392.6
8622.5	50°	7045.5	4524.3	1102.5	572.2	483.8	453.1	436.3	415.9	390.7	373.1
9220.7	52.5°	7467.0	4729.9	1039.2	521.9	450.3	432.6	417.7	396.3	375.9	357.3
9760.3	55°	7833.6	4896.4	927.6	474.5	420.5	414.9	400.1	373.1	345.2	329.3
10295.3	57.5°	8185.2	5023.0	788.0	435.4	393.5	395.4	373.1	348.9	322.8	306.1
11016.3	60°	8653.2	5192.3	646.6	399.1	364.7	370.3	346.1	328.4	295.9	274.5
12252.7	62.5°	9401.2	5455.6	513.6	354.5	331.2	333.1	322.8	301.4	262.4	237.2
13169.1	65°	9994.8	5358.8	404.7	306.1	293.1	295.9	295.9	272.6	230.7	201.9
13218.4	67.5°	9927.8	4588.5	322.8	258.6	256.8	258.6	265.2	245.6	204.7	181.4
12211.8	70°	9145.4	3649.8	258.6	214.9	223.3	218.6	237.2	224.2	184.2	161.0
9467.3	72.5°	7462.3	2629.2	197.2	177.7	171.2	178.6	214.0	201.9	153.5	127.5
5014.6	75°	4360.6	1403.0	147.0	140.5	123.7	148.9	189.8	172.1	117.2	94.0
1536.9	77.5°	1419.7	489.4	107.9	103.3	92.1	120.0	161.9	145.1	95.8	74.4
450.3	80°	380.5	147.9	73.5	67.9	59.5	89.3	128.4	115.4	68.8	48.4
193.5	82.5°	152.6	62.3	42.8	38.1	32.6	61.4	101.4	93.0	51.2	30.7
60.5	85°	49.3	20.5	15.8	12.1	14.9	38.1	60.5	63.3	36.3	15.8
9.3	87.5°	6.5	2.8	2.8	3.7	2.8	6.5	18.6	17.7	10.2	1.9
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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180°
2140.7
1887.7
1527.6
1181.5
964.8
885.7
858.7
828.0
785.2
730.3
670.8
613.1
567.5
536.8
513.6
515.4
498.7
460.5
423.3
391.7
370.3
355.4
327.5
304.2
271.7
235.4
199.1
177.7
158.2
124.7
91.2
71.6
47.4
30.7
12.1
0.0
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