

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: P940905

Luminaire Tested: **GLAN-SB4A-940-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4A-940-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

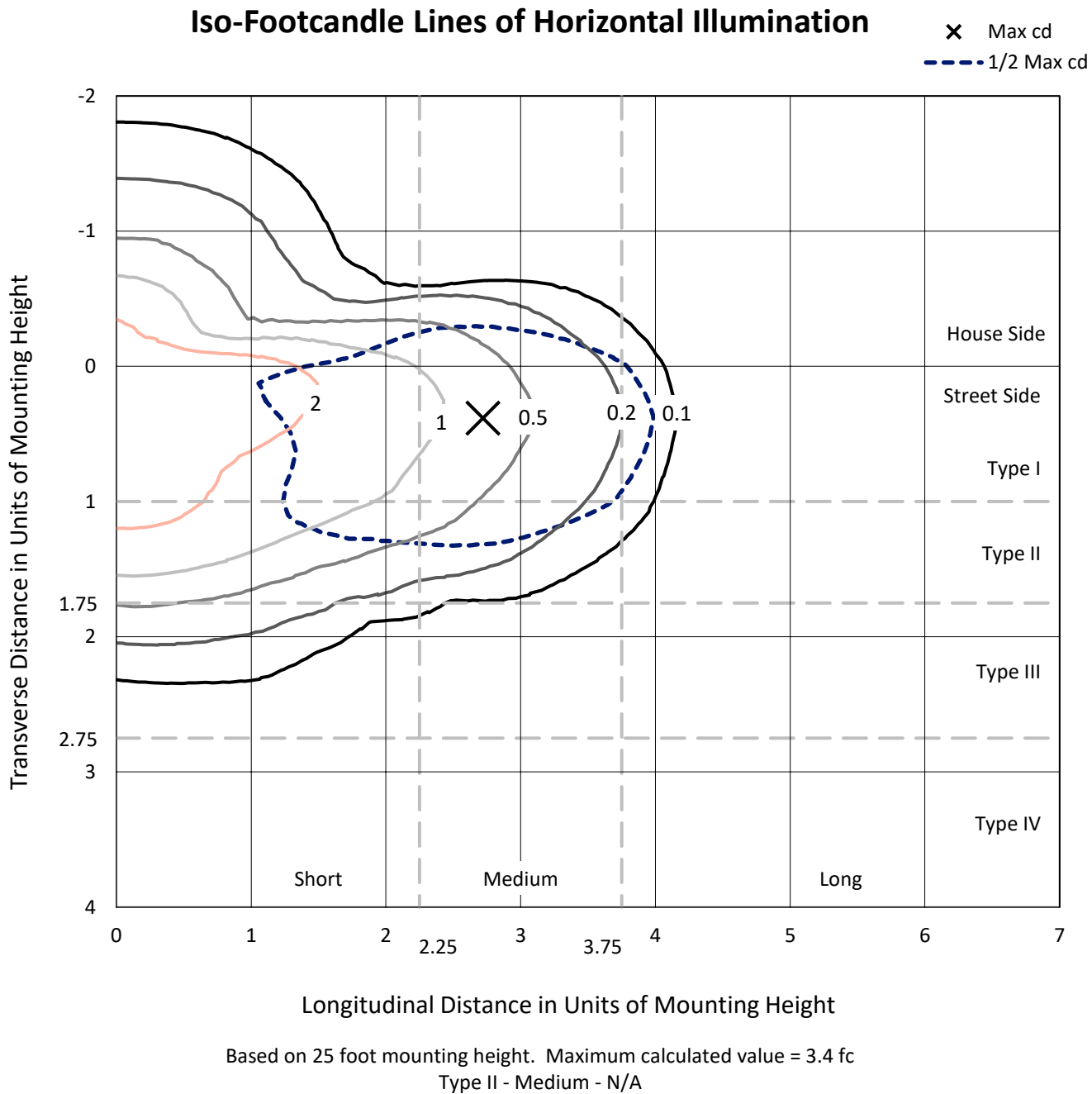
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12908 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 114
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

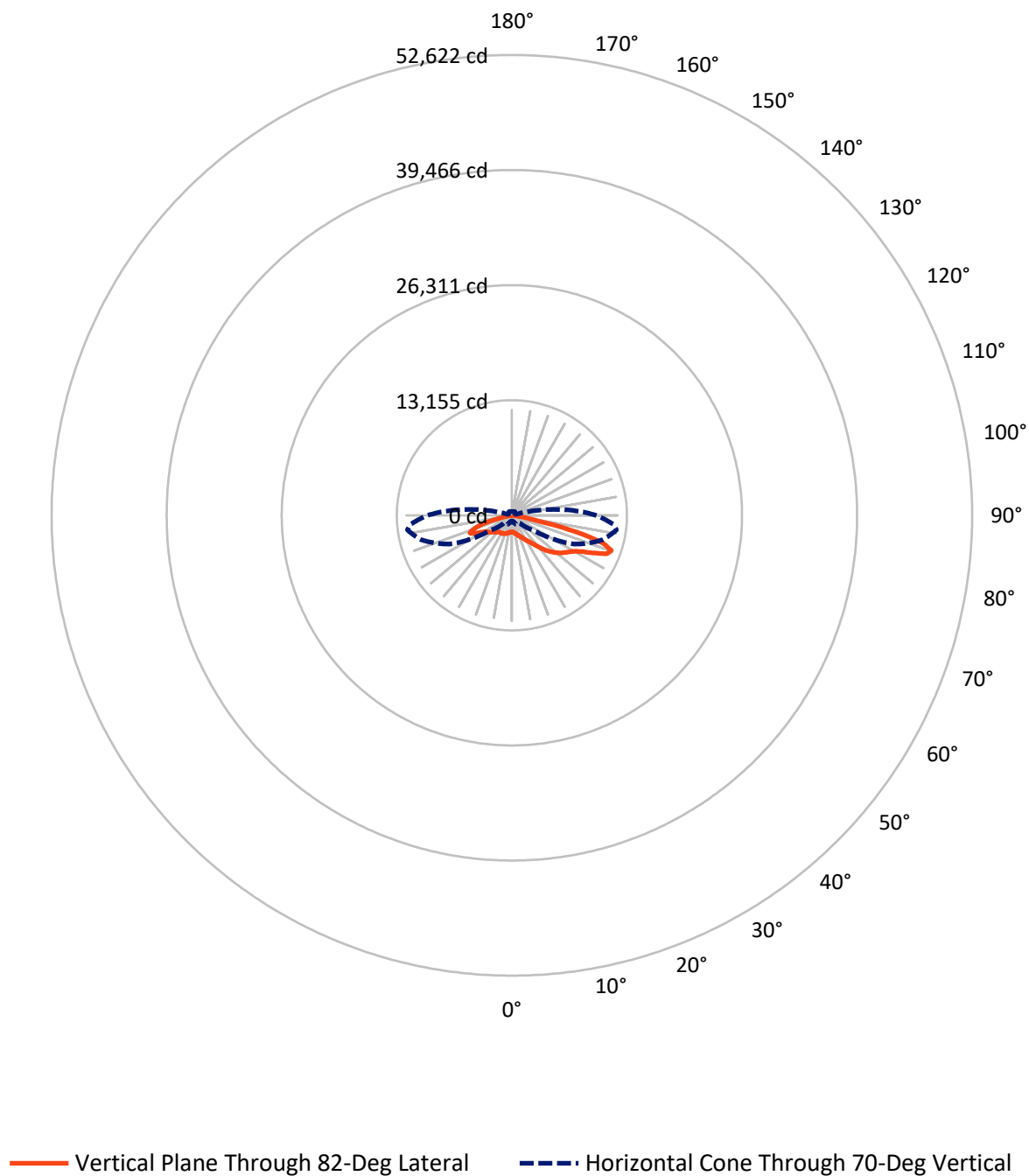


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Luminous Intensity Polar Plot



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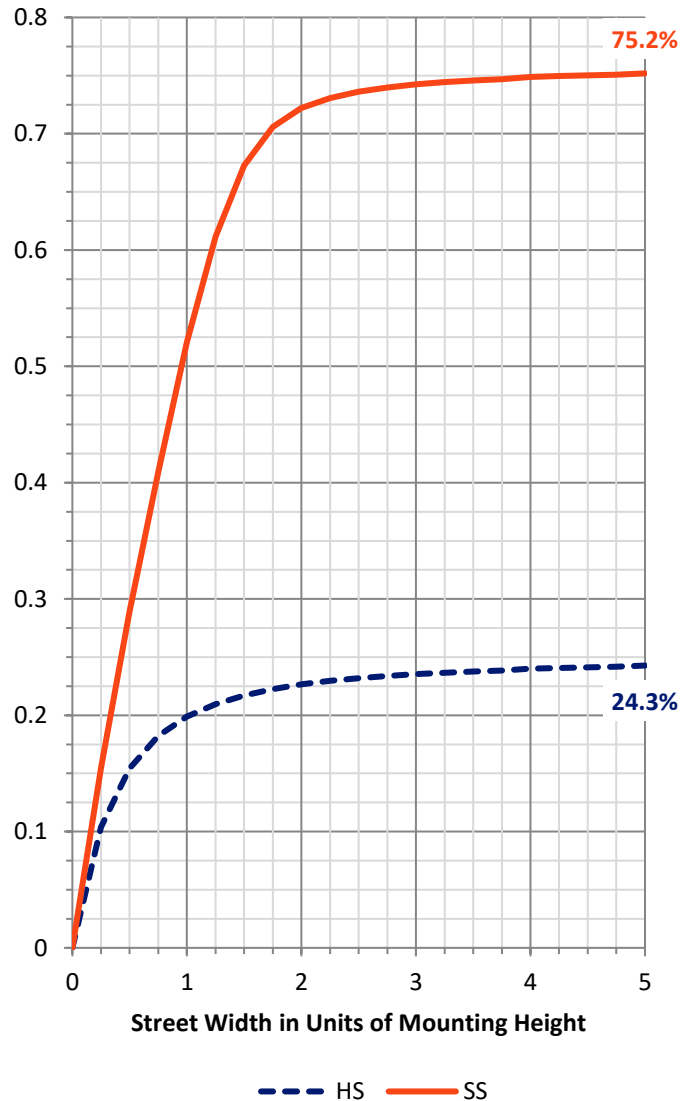
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3182.2	0.0	3182.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	9725.9	0.0	9725.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	12908.0	0.0	12908.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.7	1.4
10°-20°	513.4	4.0
20°-30°	858.8	6.7
30°-40°	1341.7	10.4
40°-50°	2136.8	16.6
50°-60°	2973.6	23.0
60°-70°	3110.5	24.1
70°-80°	1625.7	12.6
80°-90°	168.8	1.3
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°	12908.0	100.0
0°-180°	12908.0	100.0

Coefficient of Utilization



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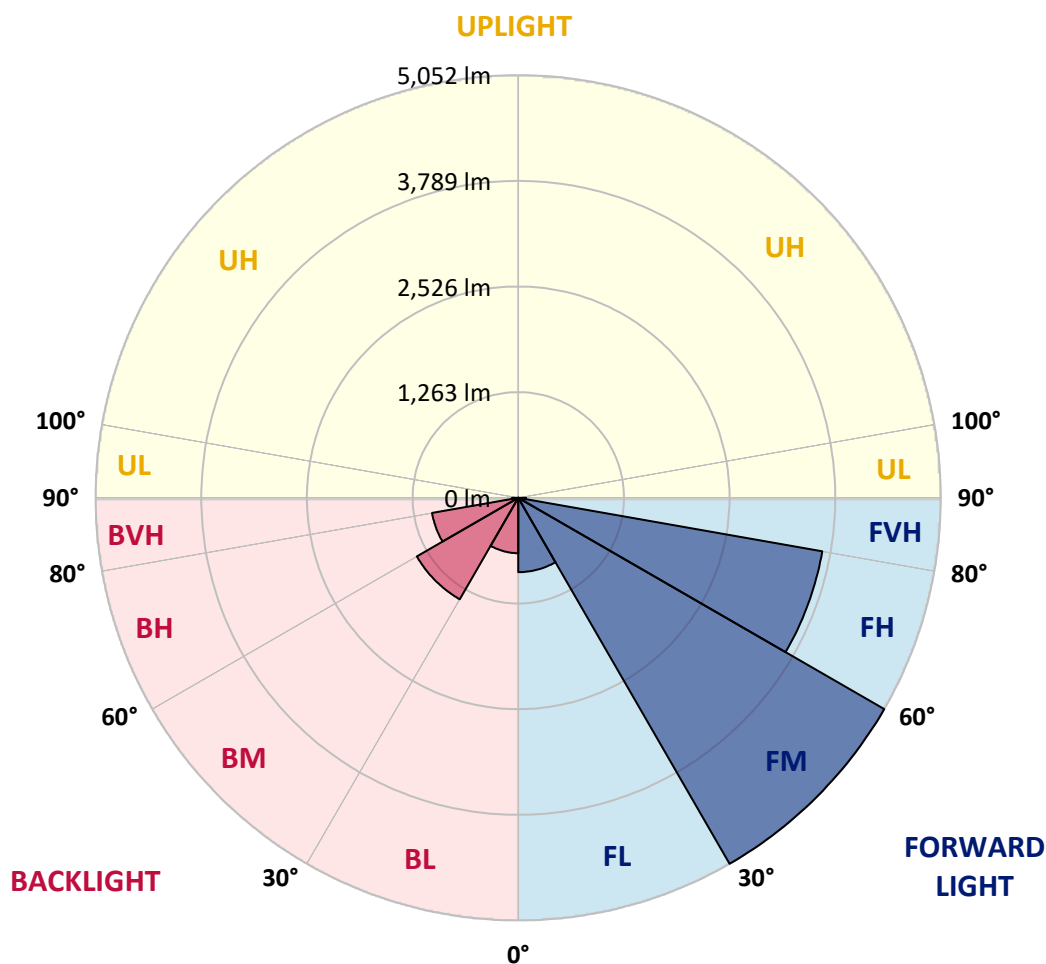
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	888.9	6.9			
FM	(30°-60°)	5052.1	39.1			
FH	(60°-80°)	3690.4	28.6			G2/5000
FVH	(80°-90°)	94.5	0.7			G1/100
BL	(0°-30°)	662.0	5.1	B2/1000		
BM	(30°-60°)	1400.0	10.8	B2/2500		
BH	(60°-80°)	1045.8	8.1	B3/2500		G3/2500
BVH	(80°-90°)	74.3	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5
2.5°	1937.7	1948.6	1945.2	1941.8	1941.8	1937.0	1936.3	1929.5	1924.0	1915.1
5°	1962.3	1974.0	1972.6	1975.4	1984.3	1986.3	1988.4	1984.3	1973.3	1962.3
7.5°	1940.4	1953.4	1957.5	1974.0	2001.4	2026.0	2044.5	2052.1	2041.8	2026.0
10°	1866.4	1880.8	1895.2	1934.3	1982.9	2041.1	2090.4	2119.9	2117.8	2102.7
12.5°	1716.4	1731.5	1762.3	1838.4	1927.4	2030.1	2121.9	2183.6	2204.8	2193.8
15°	1596.6	1609.6	1632.9	1711.0	1826.7	1982.9	2133.6	2253.4	2307.5	2301.4
17.5°	1593.2	1598.6	1613.0	1650.0	1739.0	1908.9	2121.2	2321.9	2425.4	2424.7
20°	1653.4	1655.5	1663.7	1671.2	1721.9	1852.7	2089.7	2378.8	2557.5	2557.5
22.5°	1737.0	1735.6	1743.8	1737.0	1761.7	1848.0	2069.9	2428.8	2704.8	2715.8
25°	1862.3	1855.5	1853.4	1837.7	1842.5	1892.5	2091.8	2485.6	2879.5	2902.1
27.5°	2029.5	2018.5	2011.0	1974.7	1962.3	1984.3	2158.9	2554.1	3074.0	3113.0
30°	2247.3	2227.4	2216.4	2153.4	2108.9	2112.3	2260.3	2645.2	3277.4	3340.4
32.5°	2544.5	2513.7	2484.3	2380.8	2299.3	2272.6	2391.1	2771.2	3498.0	3598.6
35°	2877.4	2852.8	2821.2	2661.7	2536.3	2474.7	2567.8	2947.3	3756.2	3915.8
37.5°	3198.0	3176.7	3191.8	2976.7	2815.1	2725.4	2799.3	3183.6	4074.7	4310.3
40°	3529.5	3513.0	3515.1	3309.6	3121.2	3020.6	3080.2	3480.2	4439.7	4779.5
42.5°	3889.7	3877.4	3836.3	3654.1	3442.5	3348.6	3403.4	3822.6	4831.5	5313.7
45°	4293.2	4285.6	4247.3	4038.4	3795.9	3690.4	3764.4	4200.7	5225.4	5816.5
47.5°	4641.8	4648.0	4643.2	4467.1	4215.8	4061.0	4149.3	4595.2	5591.8	6289.1
50°	4809.6	4841.8	4889.1	4834.3	4678.1	4520.6	4537.7	4976.0	5941.1	6732.2
52.5°	4721.9	4782.9	4911.7	4999.3	5059.6	5026.7	4980.8	5354.1	6269.9	7132.2
55°	4395.2	4480.8	4694.5	4906.2	5213.7	5452.8	5513.0	5773.3	6590.4	7484.3
57.5°	3800.0	3939.1	4130.8	4558.9	5076.7	5658.9	6133.6	6354.8	6930.2	7860.3
60°	2779.5	2965.8	3204.1	3841.1	4597.3	5548.7	6661.7	7248.0	7413.0	8347.3
62.5°	1778.8	1893.8	2113.0	2713.0	3582.2	4983.6	6823.3	8364.4	8231.5	9145.9
65°	1217.8	1291.8	1492.5	1829.5	2315.8	3709.6	6390.4	9201.4	9531.5	10411.7
67.5°	884.9	941.1	1112.3	1407.5	1508.9	2195.2	4958.9	9163.1	10795.3	11715.8
70°	645.2	684.9	828.8	1112.3	1161.0	1221.2	3004.1	7789.1	10767.9	12062.4
72.5°	478.1	505.5	602.1	863.0	939.7	824.7	1487.0	5661.0	9252.8	10910.3
75°	345.9	366.4	437.7	660.3	752.1	628.1	741.8	3308.2	6454.1	7674.7
77.5°	264.4	280.1	326.7	483.6	602.1	471.2	460.3	1521.9	3060.3	3075.4
80°	212.3	222.6	247.9	340.4	461.6	352.7	300.0	614.4	967.1	818.5
82.5°	156.2	173.3	209.6	239.0	330.1	243.2	182.9	310.3	367.8	316.4
85°	89.0	100.7	126.7	171.2	211.0	148.6	104.8	137.7	171.2	140.4
87.5°	31.5	41.1	44.5	67.1	91.8	61.6	40.4	39.7	56.2	41.8
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°
1892.5	0°	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5	1892.5
1913.0	2.5°	1906.2	1902.7	1889.0	1870.6	1851.4	1832.9	1826.7	1813.7	1804.8	1800.0
1957.5	5°	1944.5	1933.6	1901.4	1860.3	1817.1	1770.6	1737.7	1707.5	1685.6	1665.1
2018.5	7.5°	1999.3	1980.1	1924.7	1852.7	1776.0	1698.6	1641.1	1597.3	1567.8	1548.6
2089.7	10°	2063.0	2033.6	1948.6	1841.1	1722.6	1611.7	1543.8	1506.2	1487.7	1477.4
2171.2	12.5°	2136.3	2094.5	1973.3	1814.4	1641.1	1514.4	1467.8	1456.9	1457.5	1458.2
2274.0	15°	2226.7	2168.5	1993.2	1756.2	1534.9	1439.7	1431.5	1449.3	1467.8	1476.7
2390.4	17.5°	2328.8	2246.6	1996.6	1660.3	1430.8	1391.8	1417.8	1456.2	1484.3	1496.6
2520.6	20°	2438.4	2326.0	1971.9	1524.7	1345.2	1352.7	1399.3	1448.6	1479.5	1495.2
2669.2	22.5°	2563.7	2411.0	1913.0	1382.2	1275.3	1310.3	1365.1	1413.0	1445.2	1461.0
2843.8	25°	2706.9	2506.2	1820.6	1262.3	1215.1	1262.3	1317.1	1356.9	1382.9	1397.3
3039.1	27.5°	2865.8	2605.5	1697.3	1167.1	1162.3	1213.0	1258.2	1289.0	1302.7	1313.7
3246.6	30°	3025.4	2695.9	1548.0	1095.2	1116.4	1164.4	1196.6	1210.3	1214.4	1216.4
3478.1	32.5°	3198.0	2774.0	1391.1	1035.6	1072.6	1117.1	1136.3	1142.5	1123.3	1110.3
3758.9	35°	3406.9	2857.5	1237.7	988.4	1029.5	1067.8	1074.0	1068.5	1045.9	1019.2
4111.0	37.5°	3665.1	2961.7	1115.1	954.8	989.0	1014.4	1006.9	1005.5	1007.5	976.0
4534.3	40°	3981.5	3097.3	1025.3	928.8	956.2	961.6	940.4	952.1	962.3	914.4
4998.7	42.5°	4332.9	3261.0	968.5	911.0	928.8	915.8	882.9	895.9	894.5	831.5
5465.1	45°	4691.1	3439.1	948.6	897.9	903.4	877.4	841.1	844.5	815.8	758.9
5912.4	47.5°	5047.3	3630.2	961.0	887.0	871.9	842.5	814.4	799.3	756.9	714.4
6341.1	50°	5396.6	3830.8	1006.2	865.1	828.8	811.6	791.1	764.4	719.2	682.9
6746.6	52.5°	5720.6	4032.9	1056.9	828.8	774.7	784.9	771.9	741.1	696.6	659.6
7130.2	55°	6027.4	4235.0	1076.7	778.8	724.0	761.6	754.1	697.3	643.8	613.7
7531.5	57.5°	6361.7	4478.1	1054.8	715.1	682.9	734.9	706.2	643.2	612.3	589.7
8054.1	60°	6824.7	4859.6	1007.5	636.3	643.8	695.2	645.9	619.9	586.3	561.0
8837.7	62.5°	7593.9	5571.3	931.5	558.2	597.9	636.3	617.1	591.1	556.9	532.2
10177.4	65°	8730.9	6560.3	788.4	497.3	546.6	578.8	586.3	560.3	524.7	498.6
11351.4	67.5°	9689.8	7180.9	596.6	446.6	493.8	532.2	553.4	528.1	490.4	465.1
11626.1	70°	9637.0	6730.2	455.5	396.6	447.3	486.3	513.7	493.8	453.4	429.5
10560.3	72.5°	8559.6	5630.2	368.5	345.9	400.0	438.4	471.2	456.2	415.1	391.8
7736.3	75°	6288.4	3996.6	294.5	294.5	341.1	388.4	424.7	415.1	377.4	361.0
3248.0	77.5°	2650.7	1676.7	230.8	244.5	283.6	333.6	378.8	382.2	349.3	369.9
858.9	80°	704.8	462.3	176.0	192.5	222.6	275.3	329.5	328.1	292.5	273.3
319.2	82.5°	268.5	182.2	125.3	135.6	161.0	211.0	261.0	269.2	233.6	202.1
125.3	85°	103.4	78.1	77.4	81.5	93.8	139.7	197.3	204.1	176.0	149.3
34.9	87.5°	26.7	23.3	28.8	27.4	43.2	74.7	113.0	117.1	107.5	62.3
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°
1892.5
1805.5
1673.3
1552.7
1480.1
1459.6
1476.0
1499.3
1499.3
1465.1
1401.4
1317.8
1221.2
1114.4
1020.6
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154.1
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