

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: McGRAW-EDISON

Report Number: P945547

Luminaire Tested: **GALN-SB1C-722-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945547
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-722-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

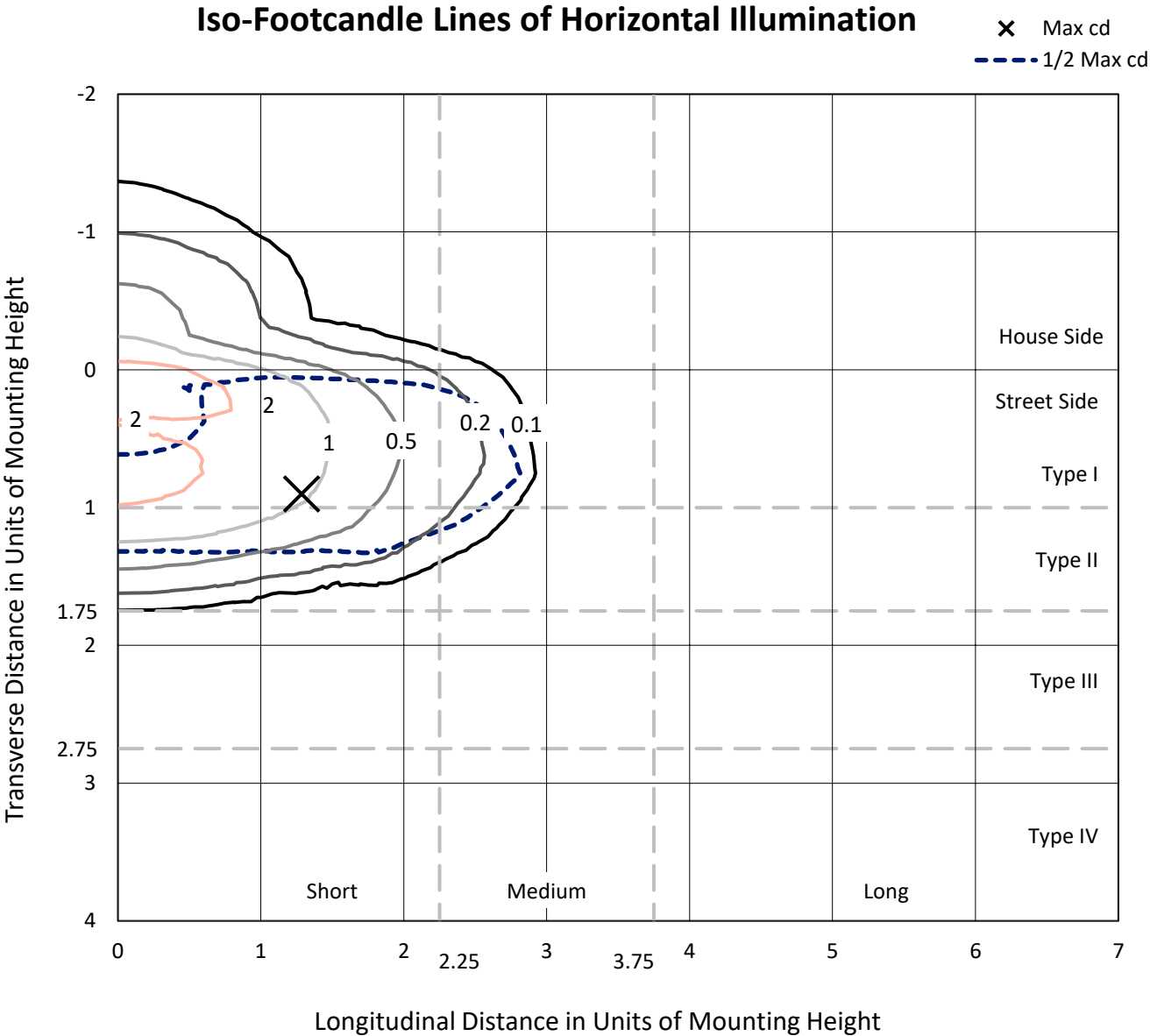
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6294 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 54.4
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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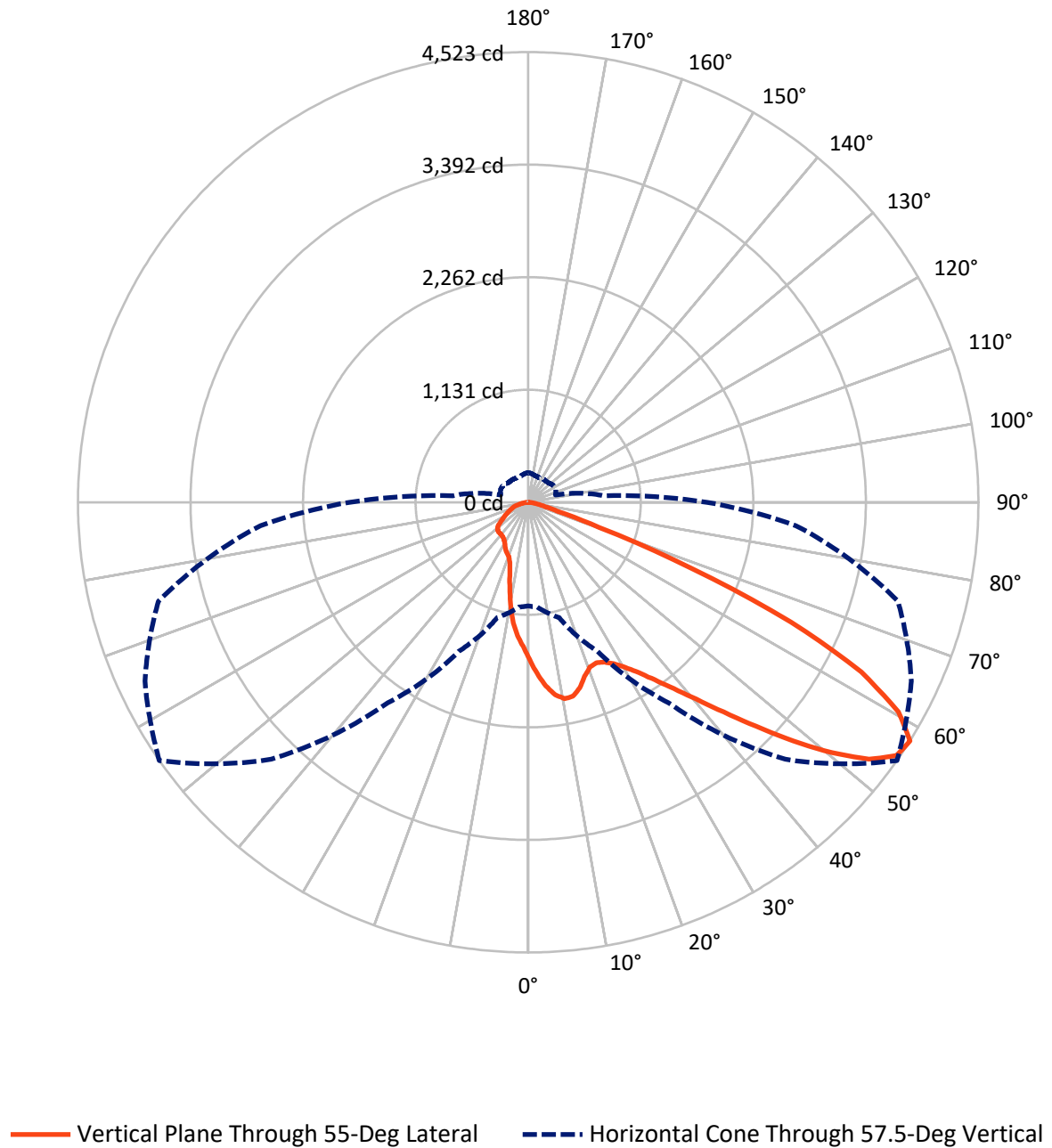


Based on 25 foot mounting height. Maximum calculated value = 3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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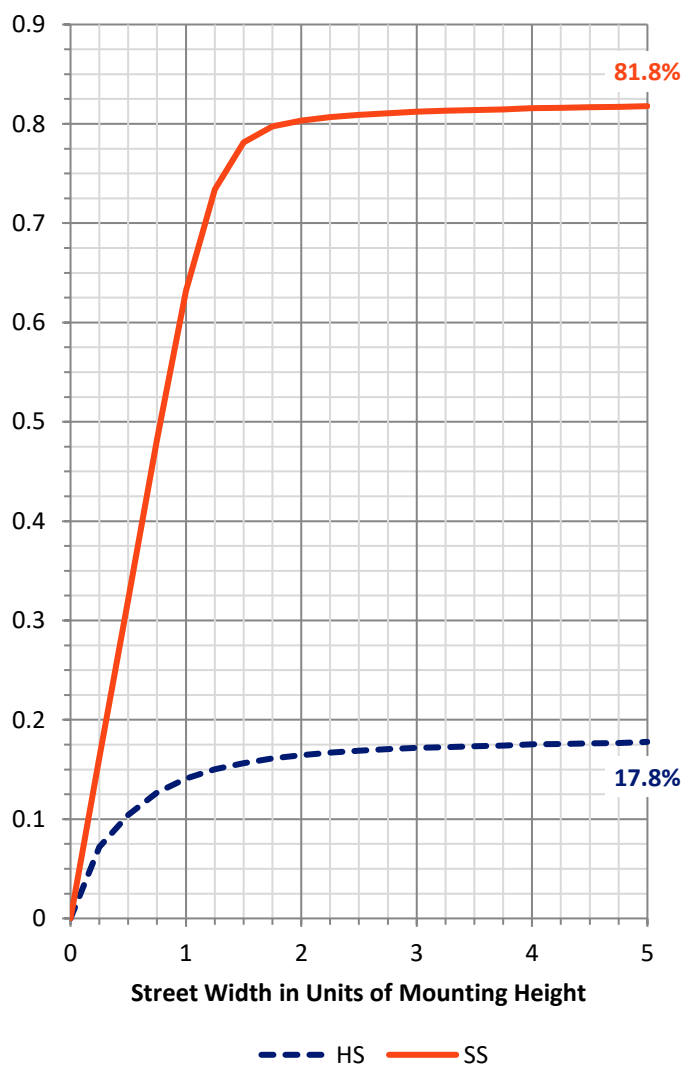
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1138.9	0.0	1138.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	5155.1	0.0	5155.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	6294.0	0.0	6294.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.3	2.3
10°-20°	369.4	5.9
20°-30°	589.4	9.4
30°-40°	933.2	14.8
40°-50°	1428.4	22.7
50°-60°	1529.9	24.3
60°-70°	962.5	15.3
70°-80°	284.6	4.5
80°-90°	50.3	0.8
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°	6294.0	100.0
0°-180°	6294.0	100.0

Coefficient of Utilization



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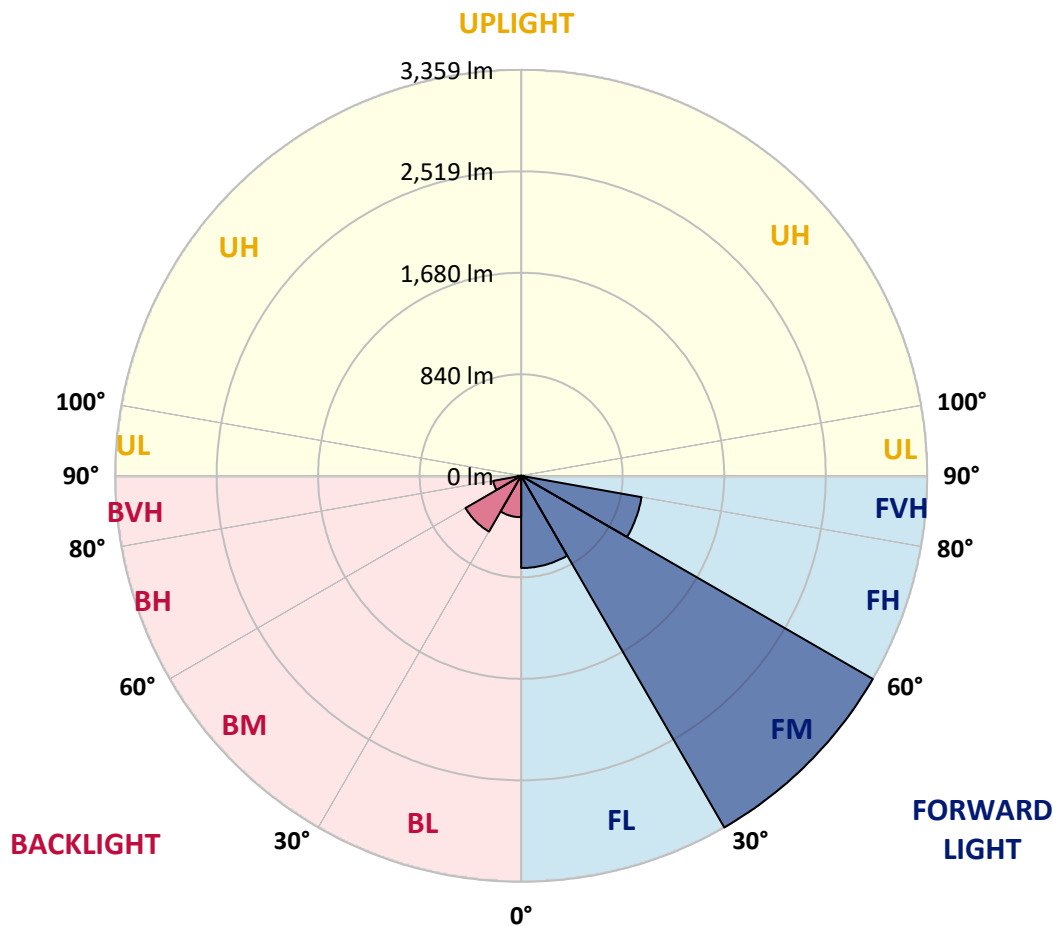
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	762.8	12.1			
FM	(30°-60°)	3359.2	53.4			
FH	(60°-80°)	1011.9	16.1			G1/1800
FVH	(80°-90°)	21.3	0.3			G1/100
BL	(0°-30°)	342.3	5.4	B1/500		
BM	(30°-60°)	532.3	8.5	B1/1000		
BH	(60°-80°)	235.2	3.7	B1/500		G1/500
BVH	(80°-90°)	29.1	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1
2.5°	1809.4	1808.1	1815.2	1790.8	1774.2	1751.8	1722.2	1684.4	1643.8	1600.8	1582.3
5°	1972.4	1961.0	1968.5	1950.3	1932.1	1898.2	1854.3	1792.8	1717.6	1632.1	1586.5
7.5°	1946.7	1938.9	1958.1	1974.3	1988.0	1983.8	1951.6	1887.2	1790.2	1665.9	1599.8
10°	1739.4	1730.6	1757.7	1813.9	1896.6	1968.5	2007.5	1967.5	1864.4	1703.0	1612.9
12.5°	1556.6	1552.3	1570.2	1615.8	1707.5	1845.5	2000.4	2037.8	1941.5	1746.9	1630.4
15°	1478.5	1473.3	1484.7	1507.8	1566.3	1694.9	1935.3	2086.0	2017.3	1797.7	1658.4
17.5°	1461.2	1455.4	1460.3	1472.3	1510.0	1608.0	1837.0	2109.7	2096.4	1854.3	1681.8
20°	1493.1	1488.2	1488.9	1488.2	1514.6	1592.4	1768.7	2100.6	2165.3	1906.3	1704.6
22.5°	1570.2	1562.1	1562.4	1545.2	1559.5	1619.7	1750.8	2076.2	2226.8	1951.9	1721.9
25°	1695.8	1681.2	1684.1	1640.2	1636.3	1680.9	1778.8	2057.3	2288.0	1988.3	1725.1
27.5°	1867.6	1851.0	1842.2	1776.8	1745.6	1767.7	1835.7	2063.8	2345.9	2019.9	1717.0
30°	2082.4	2062.2	2044.3	1951.6	1895.0	1886.8	1924.2	2106.8	2414.3	2053.1	1703.0
32.5°	2345.6	2322.2	2289.6	2166.6	2086.9	2044.3	2038.8	2183.2	2494.3	2095.4	1695.8
35°	2658.9	2628.3	2582.1	2423.0	2322.2	2235.0	2189.7	2293.5	2603.9	2159.2	1704.0
37.5°	2981.7	2947.2	2904.9	2715.5	2591.6	2463.1	2373.9	2443.2	2750.0	2245.7	1725.4
40°	3279.4	3240.7	3201.3	3032.8	2899.7	2744.8	2599.4	2632.6	2928.7	2349.2	1761.9
42.5°	3455.1	3426.5	3411.5	3320.4	3217.6	3060.4	2879.9	2857.1	3129.4	2468.3	1803.5
45°	3447.3	3435.6	3481.8	3519.5	3495.1	3407.9	3208.5	3105.3	3330.8	2571.4	1841.9
47.5°	3263.1	3271.0	3374.1	3586.2	3679.6	3725.2	3582.7	3349.0	3505.9	2648.5	1859.2
50°	2762.1	2768.6	3007.4	3464.9	3727.1	3983.8	3953.9	3586.9	3641.5	2695.7	1855.3
52.5°	2365.4	2369.7	2472.2	3105.0	3570.3	4114.0	4288.4	3811.1	3740.8	2708.7	1833.5
55°	1781.7	1796.4	1911.2	2436.1	3162.3	4010.8	4492.1	4042.1	3803.6	2710.0	1810.7
57.5°	1040.9	1056.8	1198.7	1653.5	2457.9	3651.3	4523.0	4247.1	3846.2	2699.6	1797.0
60°	509.9	516.7	578.5	869.1	1515.6	2958.6	4274.4	4346.3	3870.0	2694.1	1796.4
62.5°	343.6	342.6	345.2	428.8	746.7	1900.8	3756.4	4172.6	3857.3	2672.9	1789.9
65°	295.4	291.9	282.1	301.0	386.9	869.4	2902.3	3653.9	3760.6	2619.9	1745.3
67.5°	255.4	255.7	256.1	250.2	276.2	401.2	1773.6	2878.2	3413.8	2368.7	1573.5
70°	211.5	214.4	215.7	215.7	225.2	263.2	757.1	1972.7	2692.8	1857.2	1267.3
72.5°	192.6	186.4	187.1	183.8	183.8	200.4	304.9	1118.3	1696.5	1044.8	773.4
75°	157.2	161.1	161.7	159.4	151.9	152.9	180.9	469.2	725.9	433.4	382.3
77.5°	135.7	135.7	137.0	135.4	129.5	114.5	120.7	181.9	247.0	177.7	191.0
80°	109.0	108.7	114.2	117.5	108.3	84.6	77.1	100.5	109.6	78.1	99.2
82.5°	53.0	56.3	78.4	89.5	82.3	61.2	47.2	62.5	58.6	34.5	44.6
85°	30.9	29.3	35.1	49.8	47.2	33.8	22.8	32.5	30.6	17.6	17.9
87.5°	9.8	9.1	7.2	16.9	13.7	9.4	6.2	9.4	8.5	3.9	3.9
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1
2.5°	1559.2	1520.8	1482.7	1447.9	1426.8	1413.1	1399.4	1384.1	1378.3	1369.5
5°	1543.6	1469.4	1403.3	1346.4	1294.7	1254.0	1213.0	1179.8	1164.8	1174.9
7.5°	1534.4	1427.1	1325.2	1220.8	1120.3	1039.9	969.9	920.8	898.7	904.2
10°	1526.3	1379.2	1224.0	1059.1	914.6	815.1	743.5	706.1	692.1	695.0
12.5°	1518.8	1325.6	1102.0	885.0	731.4	665.7	645.2	645.5	648.1	650.1
15°	1517.5	1260.8	965.7	732.7	632.5	628.3	650.4	664.4	671.9	674.2
17.5°	1515.6	1183.4	826.8	628.9	608.4	637.1	657.6	666.7	672.5	672.9
20°	1507.8	1085.1	698.6	579.5	603.2	628.0	640.7	647.8	652.7	654.3
22.5°	1483.7	975.8	598.7	557.4	582.4	602.3	617.2	625.4	628.3	630.2
25°	1440.4	853.4	529.7	536.2	553.5	578.5	590.5	592.2	591.2	594.1
27.5°	1383.8	722.3	486.8	507.6	529.7	551.2	557.7	556.7	554.8	558.0
30°	1315.5	604.5	459.4	475.4	505.6	525.1	531.0	528.7	524.8	528.4
32.5°	1243.2	508.2	437.0	452.9	485.8	505.0	510.8	508.6	505.6	508.6
35°	1175.9	440.9	416.1	437.9	470.2	489.0	496.5	496.8	496.8	500.4
37.5°	1114.1	401.5	398.9	428.5	459.4	476.3	487.1	487.7	473.7	474.7
40°	1056.8	384.9	391.1	422.3	449.0	465.3	465.9	429.5	403.8	403.1
42.5°	1010.0	381.7	393.4	421.7	441.5	442.2	396.3	368.0	360.8	361.2
45°	966.0	380.7	398.6	421.7	430.5	382.0	351.1	343.6	344.2	346.8
47.5°	916.9	376.8	399.6	415.8	398.6	339.7	330.6	327.3	326.0	326.7
50°	863.2	362.8	387.2	404.1	343.9	321.5	310.1	309.1	310.7	311.7
52.5°	806.6	340.0	366.0	383.0	318.9	305.5	292.8	295.1	302.3	304.5
55°	769.5	313.3	338.1	340.7	301.3	290.6	279.8	285.0	298.4	302.6
57.5°	759.7	285.0	306.2	303.2	278.8	277.5	271.0	275.6	292.5	298.7
60°	756.8	259.6	274.9	272.7	257.0	263.2	261.6	263.9	269.7	271.7
62.5°	734.0	239.5	247.0	243.7	237.5	248.3	252.2	247.3	251.8	254.1
65°	676.1	223.2	219.6	217.3	220.0	229.7	237.5	227.8	232.0	238.5
67.5°	580.5	201.1	191.3	193.9	202.1	207.3	217.3	206.3	209.9	220.9
70°	469.5	173.1	164.3	171.8	179.6	190.3	192.0	184.5	192.9	205.3
72.5°	332.2	144.8	138.6	153.9	156.5	170.5	166.9	163.3	175.0	179.3
75°	230.4	116.8	113.2	124.9	134.4	146.4	143.8	148.0	172.8	174.7
77.5°	145.8	90.8	88.5	96.0	109.0	122.3	126.6	174.7	295.1	306.8
80°	84.6	67.7	65.1	70.9	82.3	94.7	122.0	214.4	194.6	192.3
82.5°	47.2	46.5	43.3	44.9	55.0	68.3	172.4	151.0	122.7	126.6
85°	22.1	27.3	23.4	22.5	30.9	80.0	115.2	86.2	57.3	56.0
87.5°	5.9	5.2	5.2	5.9	13.0	69.0	45.9	36.8	21.8	21.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)