

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: P946264

Luminaire Tested: **GALN-SB2A-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946264
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2A-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

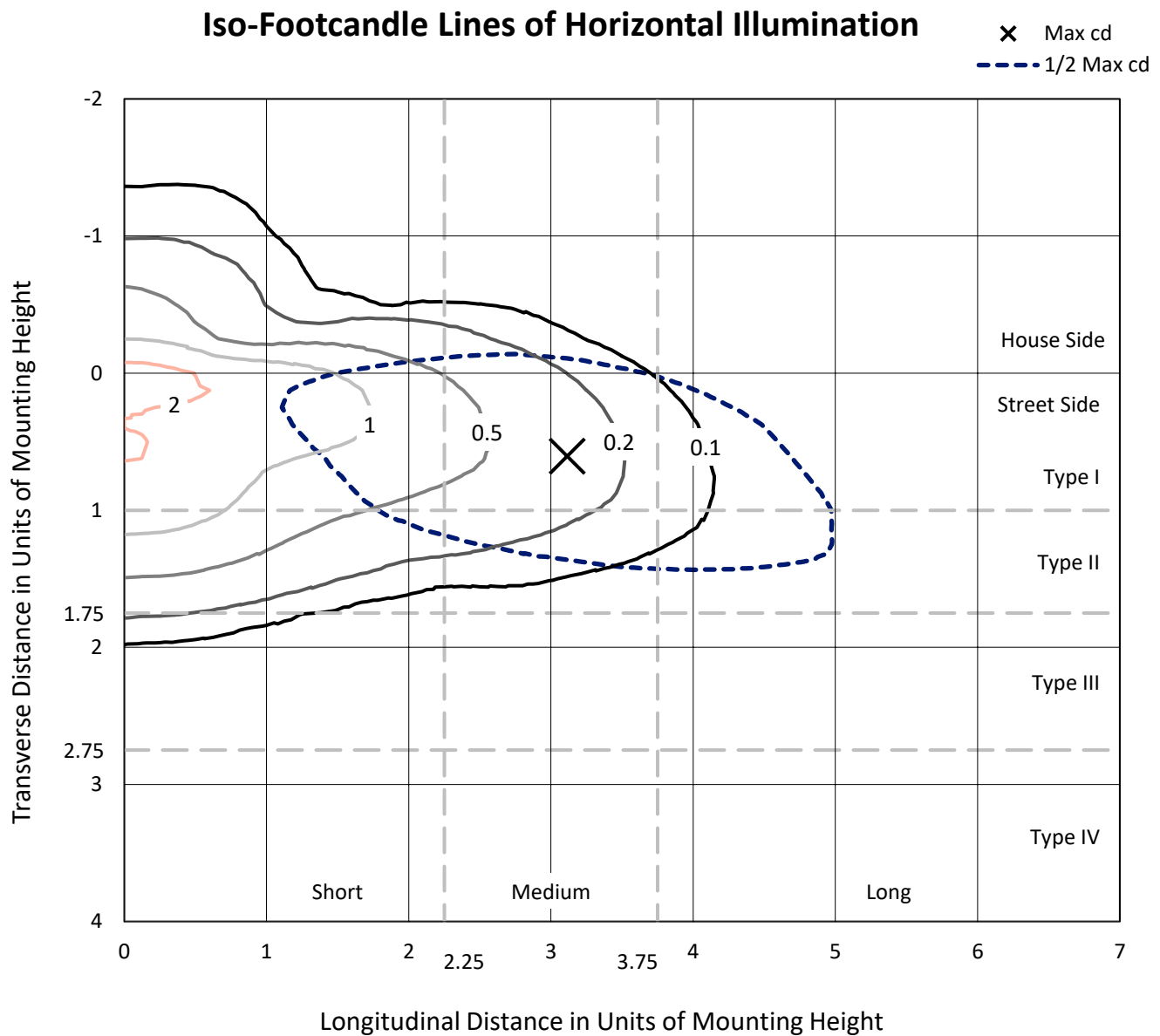
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7366 lumens
Efficiency: N/A
Efficacy: 128.6 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): 57.3
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



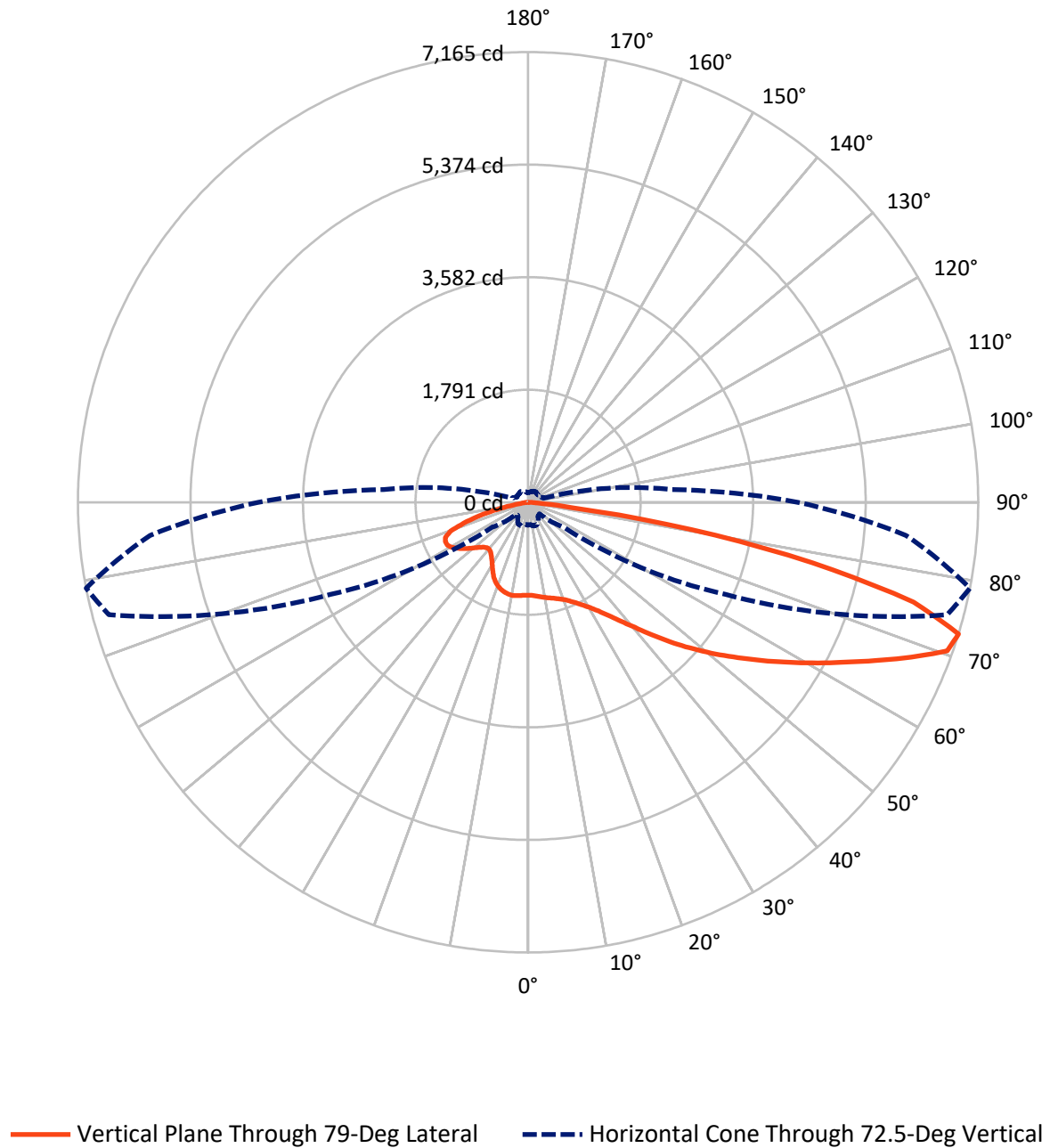
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Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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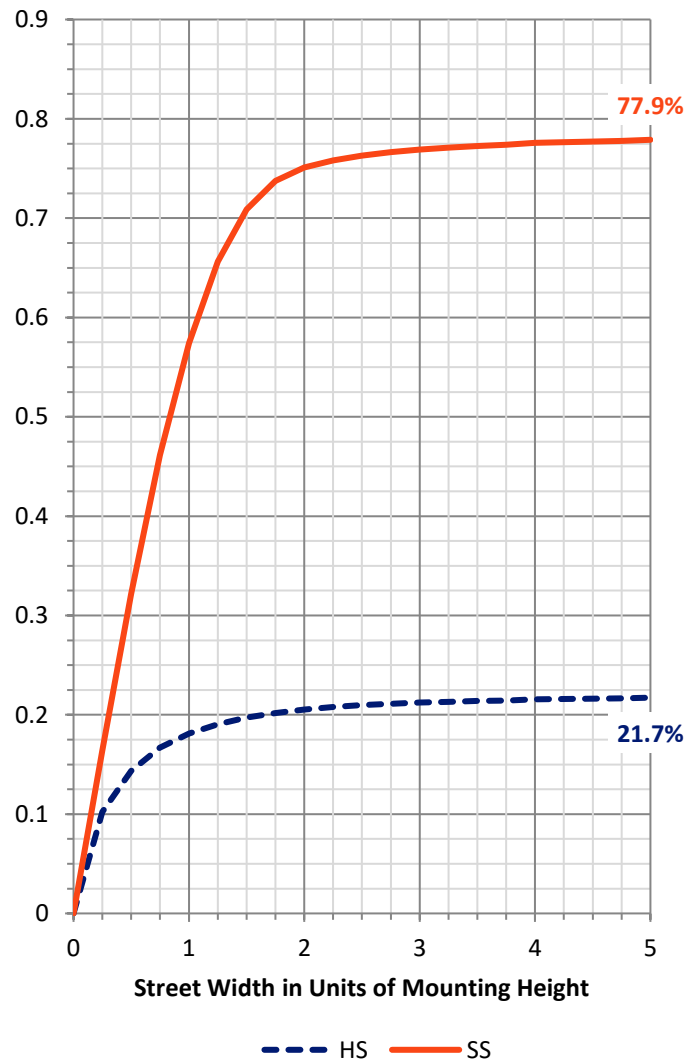
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1620.9	0.0	1620.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	5745.1	0.0	5745.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	7366.0	0.0	7366.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.2	1.8
10°-20°	350.9	4.8
20°-30°	566.2	7.7
30°-40°	849.8	11.5
40°-50°	1205.5	16.4
50°-60°	1522.4	20.7
60°-70°	1546.2	21.0
70°-80°	1053.8	14.3
80°-90°	136.7	1.9
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°	7366.0	100.0
0°-180°	7366.0	100.0

Coefficient of Utilization



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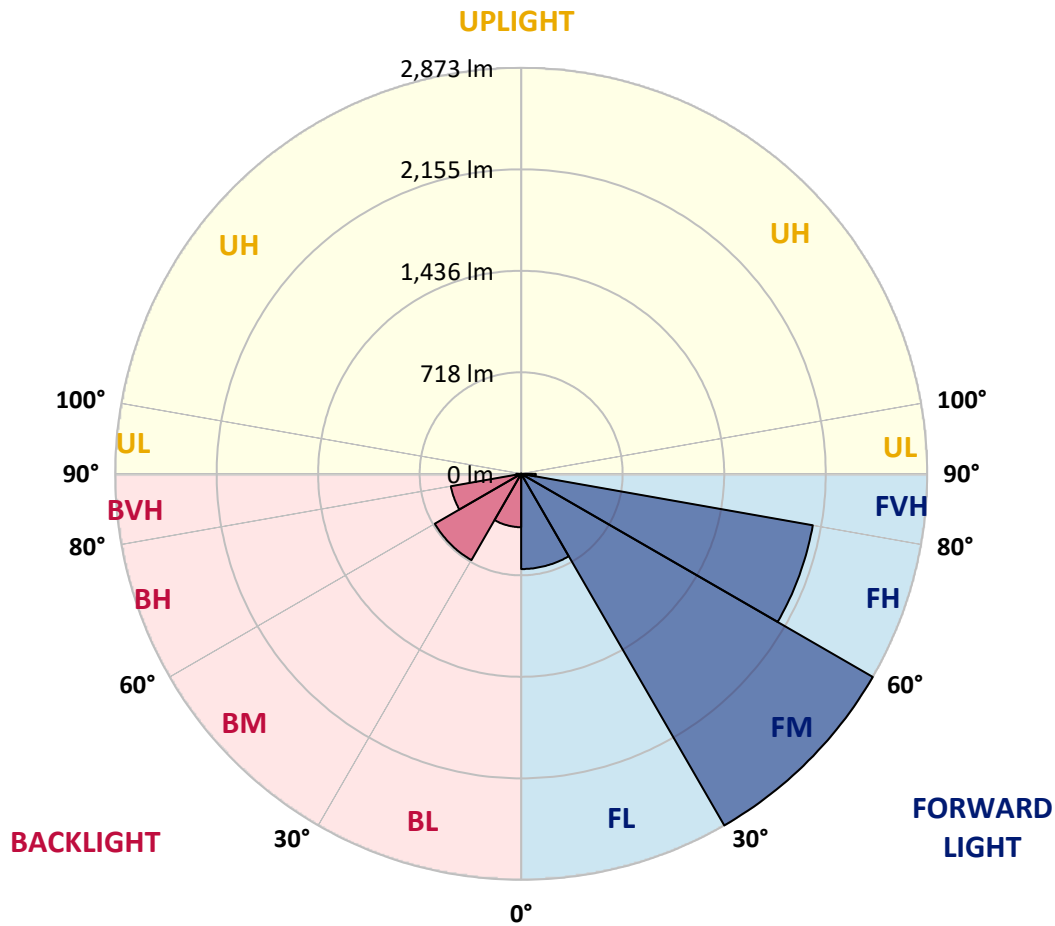
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	673.8	9.1			
FM	(30°-60°)	2872.9	39.0			
FH	(60°-80°)	2095.4	28.4			G2/5000
FVH	(80°-90°)	103.0	1.4			G2/225
BL	(0°-30°)	377.6	5.1	B1/500		
BM	(30°-60°)	704.9	9.6	B1/1000		
BH	(60°-80°)	504.7	6.9	B2/1000		G2/1000
BVH	(80°-90°)	33.7	0.5			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°	79°	85°
0°	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7
2.5°	1479.4	1472.4	1476.7	1475.1	1477.1	1479.4	1480.2	1481.4	1485.3	1484.9	1484.5
5°	1476.3	1469.3	1475.1	1473.2	1478.3	1483.7	1488.4	1492.7	1498.9	1501.6	1497.7
7.5°	1469.7	1465.0	1470.9	1476.7	1486.1	1494.2	1500.9	1510.6	1519.6	1521.1	1523.9
10°	1431.1	1427.6	1441.2	1456.4	1482.2	1504.4	1518.8	1530.1	1539.8	1541.4	1545.3
12.5°	1391.0	1386.7	1401.9	1422.5	1464.2	1504.4	1534.8	1549.6	1558.1	1563.2	1569.0
15°	1384.4	1380.9	1389.4	1407.4	1442.0	1493.9	1545.7	1572.9	1580.3	1586.2	1588.5
17.5°	1416.3	1409.7	1413.2	1419.4	1439.7	1484.1	1554.2	1599.4	1610.7	1617.0	1617.0
20°	1490.3	1481.0	1475.5	1463.1	1459.6	1485.7	1553.5	1631.4	1646.2	1654.0	1655.9
22.5°	1588.9	1582.7	1571.0	1539.4	1505.1	1504.8	1568.3	1672.3	1700.0	1707.4	1702.7
25°	1708.1	1698.8	1684.0	1641.1	1575.3	1542.6	1593.2	1724.5	1770.9	1772.8	1759.2
27.5°	1845.3	1831.3	1811.0	1754.5	1665.7	1601.8	1631.4	1784.5	1852.3	1851.5	1823.5
30°	1989.9	1975.8	1954.4	1885.8	1774.0	1681.7	1684.4	1849.2	1948.9	1944.7	1896.7
32.5°	2095.4	2084.9	2080.6	2027.6	1898.7	1775.9	1745.2	1920.9	2068.2	2064.3	1997.3
35°	2176.5	2162.8	2167.9	2141.0	2034.7	1881.5	1819.6	2006.2	2213.1	2212.7	2129.3
37.5°	2256.8	2244.7	2249.0	2231.0	2160.5	2015.6	1910.4	2110.6	2392.7	2401.3	2289.1
40°	2330.0	2317.1	2334.3	2317.5	2258.3	2158.2	2013.6	2228.7	2600.8	2617.2	2482.3
42.5°	2374.0	2363.9	2392.3	2392.7	2343.2	2278.6	2127.0	2358.8	2841.6	2878.2	2720.0
45°	2389.2	2385.7	2428.6	2437.5	2418.4	2348.3	2229.1	2500.7	3101.1	3166.5	2990.8
47.5°	2372.9	2366.2	2425.5	2458.6	2473.8	2381.0	2313.6	2654.2	3366.0	3461.9	3286.2
50°	2290.3	2277.4	2365.5	2435.2	2489.4	2402.5	2399.0	2831.5	3667.2	3772.0	3583.1
52.5°	2141.8	2132.1	2232.2	2353.4	2455.1	2413.0	2494.8	3025.1	3953.2	4088.8	3887.4
55°	1952.1	1939.2	2049.5	2207.7	2369.7	2409.5	2590.7	3241.7	4290.6	4428.2	4201.8
57.5°	1651.3	1625.5	1765.0	1952.1	2230.6	2405.2	2690.4	3457.2	4633.5	4798.3	4537.3
60°	1212.5	1174.4	1345.4	1567.1	1958.7	2363.5	2813.9	3698.8	5045.0	5193.4	4903.5
62.5°	706.0	683.8	795.6	1002.5	1476.3	2118.0	2883.3	3979.7	5449.4	5605.2	5263.5
65°	548.2	542.0	551.7	567.7	821.7	1585.8	2669.4	4253.6	5963.7	6072.8	5638.8
67.5°	501.5	496.8	501.1	471.1	416.9	883.3	2111.8	4323.0	6514.7	6580.9	5967.2
70°	445.7	440.3	454.3	428.6	328.1	401.7	1364.5	4071.3	6953.0	7077.3	6217.0
72.5°	363.1	356.9	389.6	377.9	276.2	257.9	685.4	3473.2	6907.0	7164.9	6038.1
75°	279.0	275.5	314.4	324.2	225.2	203.0	328.8	2581.7	6078.3	6338.1	5203.9
77.5°	216.6	213.9	233.8	269.2	181.6	157.4	202.2	1637.6	4580.5	4626.1	3586.2
80°	162.5	154.7	173.0	208.5	141.4	114.9	137.2	955.0	2895.4	2624.6	1560.9
82.5°	101.7	97.8	113.0	139.1	99.7	79.1	89.2	527.6	1160.3	683.4	301.2
85°	58.1	56.5	61.6	79.5	54.2	45.6	51.0	233.0	212.0	145.7	90.8
87.5°	23.4	22.6	28.1	35.5	19.9	16.8	17.9	56.1	46.8	43.2	30.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7	1478.7
2.5°	1482.9	1482.9	1477.5	1468.9	1459.2	1452.9	1442.8	1440.1	1429.6	1426.4	1431.5
5°	1500.9	1497.7	1481.0	1456.8	1423.7	1393.3	1359.8	1338.8	1309.2	1298.6	1306.4
7.5°	1523.5	1514.9	1486.1	1433.1	1363.7	1295.5	1224.6	1170.8	1119.4	1101.1	1103.4
10°	1544.1	1532.0	1482.9	1390.2	1270.2	1152.1	1039.1	960.1	900.1	875.5	881.0
12.5°	1564.8	1542.6	1462.3	1318.9	1137.3	977.2	856.8	795.2	758.2	728.6	738.4
15°	1584.2	1553.1	1430.3	1223.4	991.6	829.1	740.3	691.2	661.6	642.1	645.6
17.5°	1606.8	1562.0	1382.4	1102.3	852.9	726.7	654.2	624.6	618.7	616.4	618.0
20°	1638.4	1570.2	1319.3	966.7	750.8	644.8	607.4	604.7	604.3	603.2	607.0
22.5°	1672.3	1580.0	1235.9	843.6	663.9	593.8	587.2	581.7	578.2	577.8	582.1
25°	1712.4	1583.1	1131.5	742.6	589.9	569.6	561.8	553.7	551.3	551.3	553.7
27.5°	1751.4	1572.6	1009.9	655.0	548.2	547.4	537.3	534.6	534.2	535.4	538.5
30°	1790.4	1552.7	889.1	573.9	524.1	524.1	520.5	522.5	524.1	528.0	530.7
32.5°	1843.0	1531.6	788.2	513.9	503.0	499.1	502.6	506.5	508.1	513.1	517.4
35°	1920.1	1516.8	708.0	481.2	481.2	476.1	478.1	477.3	473.8	471.5	476.9
37.5°	2022.2	1516.1	641.7	466.0	462.9	462.1	462.5	457.4	443.8	427.4	427.8
40°	2144.9	1537.1	590.7	455.5	453.1	457.8	455.5	441.8	404.4	376.0	375.2
42.5°	2309.7	1597.1	558.0	442.6	449.6	455.5	446.1	399.0	373.7	354.6	353.8
45°	2503.8	1694.5	541.2	429.0	443.0	450.0	404.8	384.2	363.9	340.9	339.4
47.5°	2723.5	1817.2	537.3	416.1	428.2	432.5	387.3	377.9	355.0	330.0	328.1
50°	2962.8	1962.6	547.8	400.9	406.8	392.0	381.4	372.9	349.1	324.6	321.8
52.5°	3210.2	2122.7	568.9	380.3	385.3	369.0	379.1	371.7	345.6	312.5	310.1
55°	3453.3	2284.0	589.1	356.1	363.5	348.3	372.5	367.0	329.6	292.2	290.3
57.5°	3700.3	2444.6	609.0	334.7	342.5	328.5	362.0	354.6	311.7	273.5	272.7
60°	3957.1	2600.4	618.3	314.0	319.5	310.1	346.0	333.1	291.4	254.4	253.3
62.5°	4197.5	2730.2	603.2	293.4	296.9	293.0	325.0	307.8	271.2	233.0	232.6
65°	4438.7	2807.3	556.4	273.1	273.9	272.0	295.3	280.5	247.4	214.3	212.0
67.5°	4657.3	2850.5	482.0	251.3	249.4	248.6	267.7	250.9	224.4	195.6	193.3
70°	4703.6	2740.7	368.2	225.6	225.6	223.6	237.3	220.1	199.1	175.7	174.9
72.5°	4296.1	2305.5	261.4	196.4	199.5	195.6	206.9	192.5	173.4	157.8	153.1
75°	3464.2	1690.6	190.1	166.4	171.8	165.2	175.7	165.6	149.2	148.8	134.0
77.5°	2380.3	1045.4	137.9	137.2	141.0	132.5	144.6	139.1	124.3	117.7	110.3
80°	1015.8	416.9	100.5	106.0	106.0	98.2	112.2	113.8	100.9	97.8	97.8
82.5°	202.2	118.4	70.5	72.9	68.6	66.2	79.5	88.1	121.6	135.2	135.6
85°	60.8	43.6	42.5	39.7	35.1	35.5	46.8	88.4	109.1	62.3	53.8
87.5°	16.8	10.9	11.3	9.0	7.4	9.7	16.0	67.0	36.6	15.6	13.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)