

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: P946989

Luminaire Tested: **GALN-SB2C-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946989
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2C-722-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

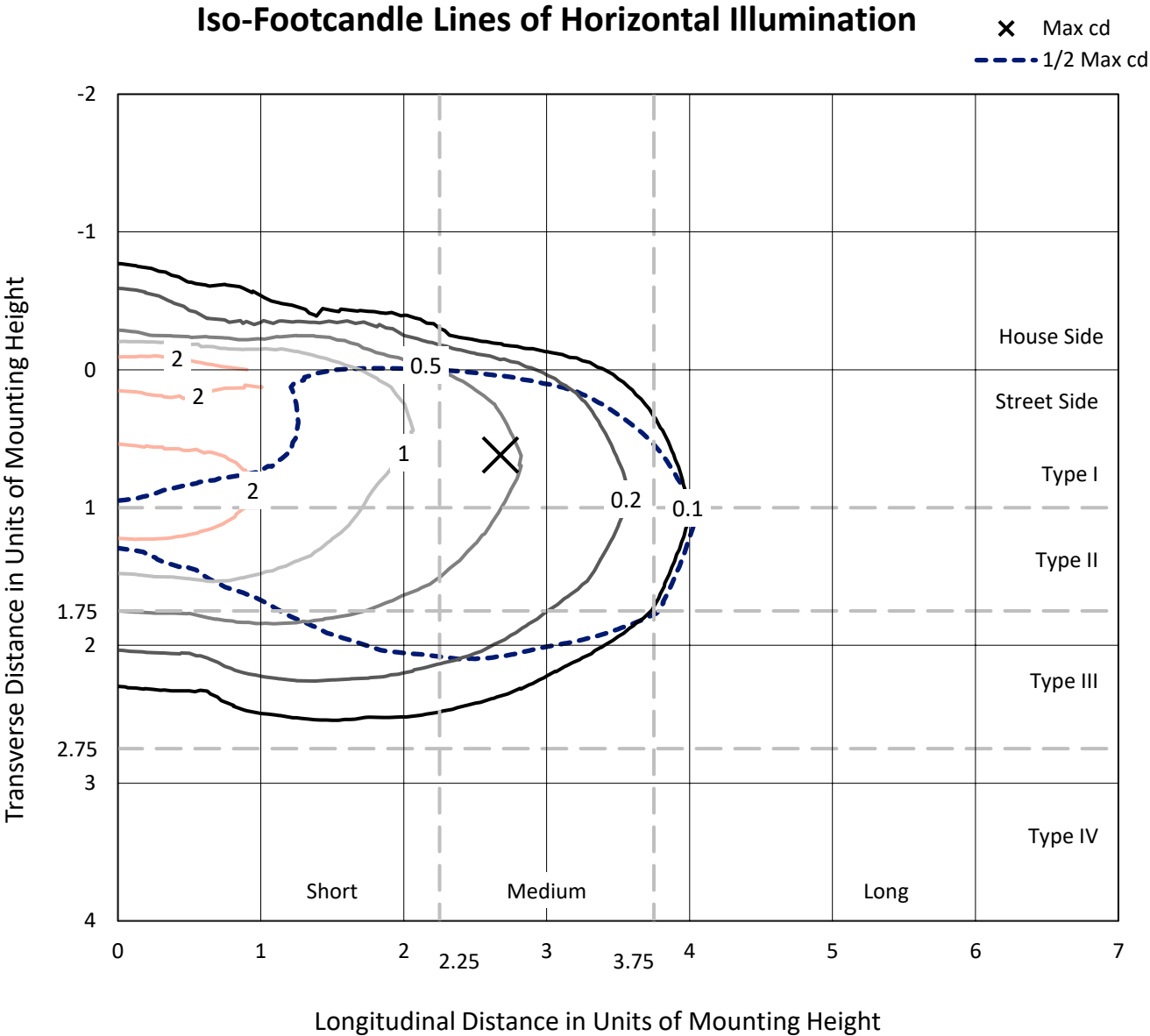
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10300 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 100.9
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



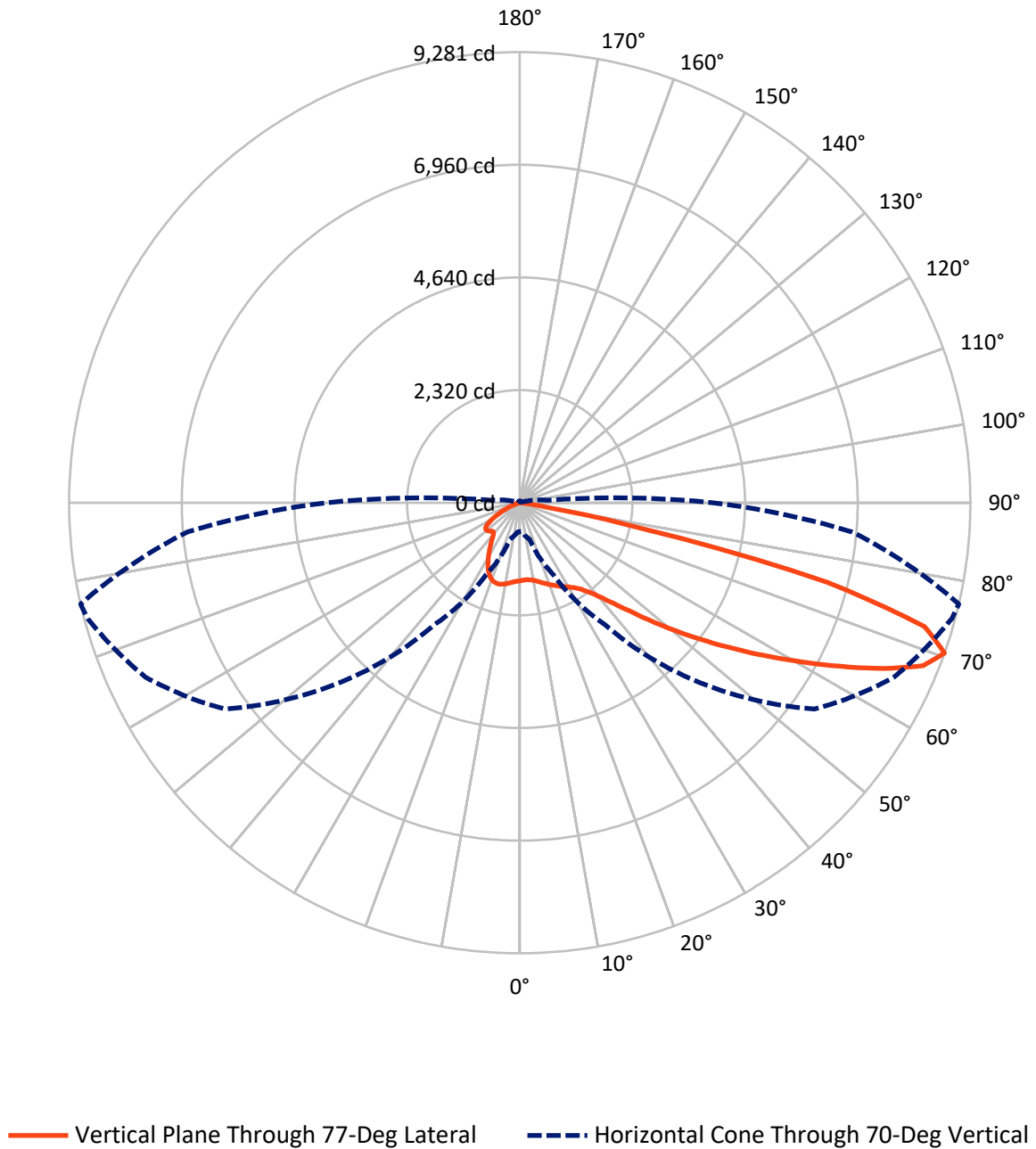
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Based on 25 foot mounting height. Maximum calculated value = 3 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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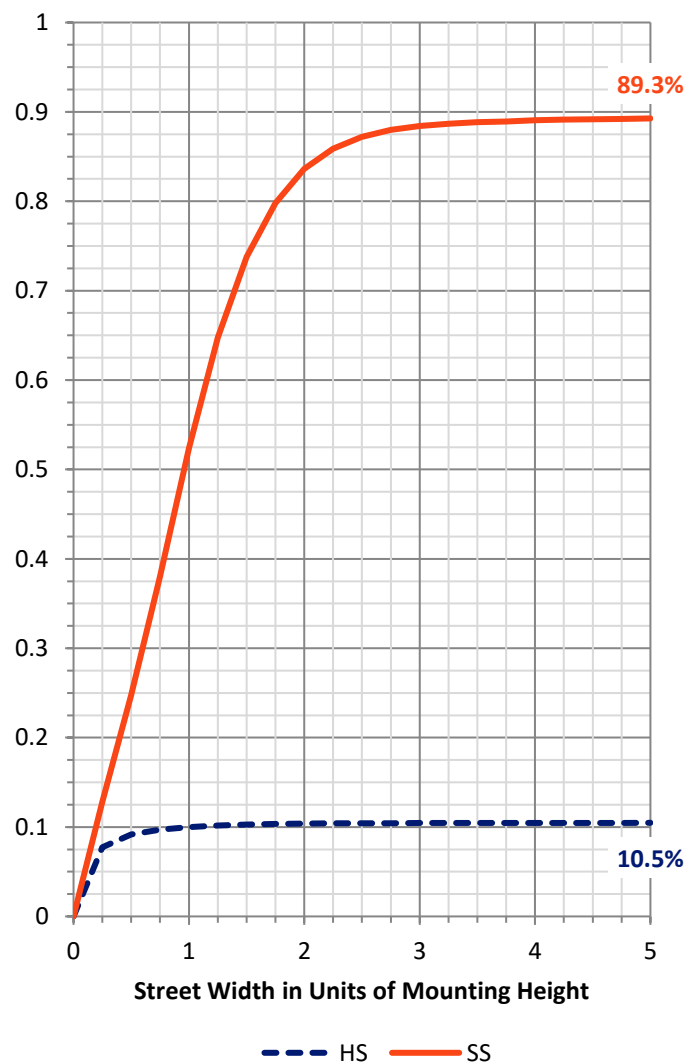
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1085.8	0.0	1085.8
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	9214.2	0.0	9214.2
	% Fixture	89.5	0.0	89.5
Total	Lumens	10300.0	0.0	10300.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.5	1.3
10°-20°	328.7	3.2
20°-30°	508.4	4.9
30°-40°	922.5	9.0
40°-50°	1741.4	16.9
50°-60°	2516.2	24.4
60°-70°	2678.4	26.0
70°-80°	1419.4	13.8
80°-90°	46.6	0.5
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°	10300.0	100.0
0°-180°	10300.0	100.0

Coefficient of Utilization



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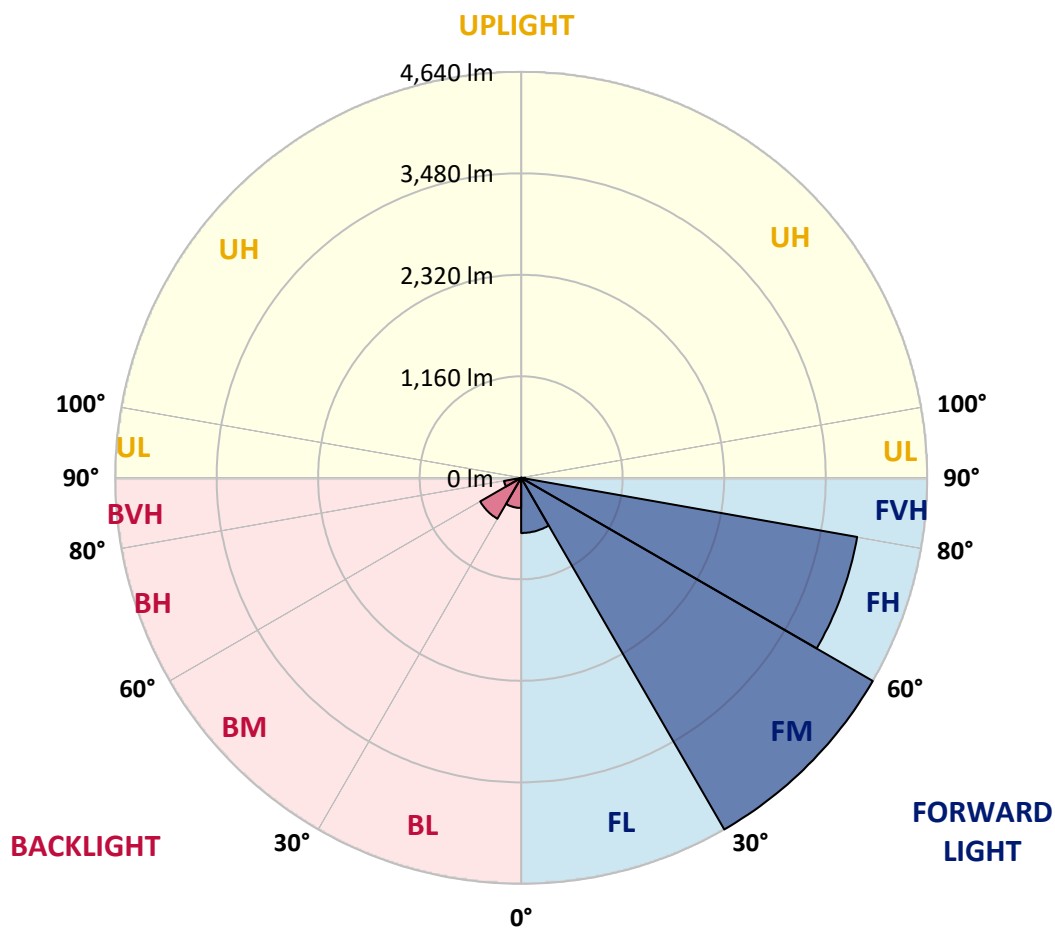
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	630.6	6.1			
FM	(30°-60°)	4639.6	45.0			
FH	(60°-80°)	3898.7	37.9			G2/5000
FVH	(80°-90°)	45.4	0.4			G1/100
BL	(0°-30°)	345.0	3.3	B1/500		
BM	(30°-60°)	540.5	5.2	B1/1000		
BH	(60°-80°)	199.0	1.9	B1/500		G1/500
BVH	(80°-90°)	1.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1606.6	1606.6	1606.6	1606.6	1606.6	1606.6	1606.6	1606.6	1606.6	1606.6	1606.6
2.5°	1508.4	1522.1	1520.1	1529.2	1532.5	1545.5	1558.5	1576.0	1595.6	1594.9	1607.9
5°	1423.2	1436.8	1440.1	1452.5	1468.1	1488.2	1514.9	1550.0	1586.4	1592.3	1618.3
7.5°	1322.4	1336.7	1345.1	1369.8	1398.5	1440.1	1483.7	1535.1	1595.6	1604.0	1654.1
10°	1221.5	1234.6	1245.6	1280.7	1326.3	1388.1	1459.0	1533.1	1614.4	1626.8	1697.7
12.5°	1159.1	1171.5	1183.8	1214.4	1271.0	1346.4	1442.7	1542.2	1645.6	1663.2	1756.9
15°	1137.0	1148.0	1157.8	1185.1	1237.8	1323.7	1439.4	1561.1	1685.3	1708.7	1828.4
17.5°	1140.2	1146.1	1152.6	1173.4	1224.8	1313.3	1445.3	1593.6	1732.2	1753.0	1900.0
20°	1159.1	1162.4	1163.0	1177.3	1222.8	1312.0	1457.0	1624.8	1776.4	1804.4	1970.9
22.5°	1183.2	1184.5	1183.2	1192.9	1235.2	1321.7	1472.6	1662.6	1825.8	1851.8	2042.4
25°	1295.7	1271.0	1239.8	1220.9	1256.0	1340.6	1496.0	1713.3	1879.8	1905.2	2112.0
27.5°	1645.0	1574.1	1462.2	1336.7	1299.0	1367.9	1528.6	1764.7	1934.4	1957.2	2186.8
30°	2212.2	2119.2	1929.2	1646.3	1436.8	1425.1	1570.8	1816.1	1992.3	2017.0	2266.8
32.5°	2780.7	2757.9	2538.7	2147.1	1747.1	1552.6	1641.1	1885.7	2069.1	2088.6	2374.8
35°	3355.7	3309.5	3130.0	2743.0	2225.2	1812.2	1758.2	1976.7	2169.9	2192.0	2532.2
37.5°	3796.0	3768.1	3656.8	3338.1	2792.4	2212.8	1958.5	2117.9	2316.3	2341.0	2733.8
40°	4185.0	4172.0	4134.3	3924.2	3426.6	2737.1	2270.1	2336.4	2519.2	2548.5	2981.0
42.5°	4490.7	4521.3	4542.7	4484.2	4080.3	3335.5	2689.0	2643.4	2802.1	2832.1	3295.8
45°	4803.6	4814.0	4900.5	4985.1	4729.4	3961.2	3161.2	3003.1	3154.0	3191.1	3673.1
47.5°	5004.6	5046.2	5198.4	5347.4	5275.2	4581.8	3668.5	3427.9	3561.9	3631.5	4095.9
50°	5019.5	5098.2	5307.7	5567.2	5672.6	5172.4	4220.1	3911.8	4054.3	4131.0	4547.3
52.5°	4770.4	4892.7	5217.3	5597.1	5887.2	5672.6	4790.6	4395.7	4578.5	4678.7	5015.6
55°	3657.5	3817.5	4877.1	5434.5	5895.7	6051.8	5346.1	4899.8	5162.6	5275.8	5521.7
57.5°	3186.6	3267.2	3834.4	5152.2	5738.9	6204.7	5848.2	5379.9	5798.1	5938.6	5999.8
60°	2651.2	2757.3	3215.8	4690.4	5526.2	6219.6	6291.8	5999.1	6486.9	6645.0	6438.2
62.5°	1801.7	1916.9	2372.8	3896.9	5235.5	6212.5	6655.4	6636.6	7252.5	7422.3	6809.6
65°	1116.2	1188.4	1488.9	3182.0	4828.9	6220.3	7035.9	7410.6	8060.4	8232.8	7097.1
67.5°	882.0	915.2	1071.9	2443.1	4128.4	6044.6	7415.8	8138.4	8820.8	8957.4	7184.9
70°	592.6	612.7	779.9	1637.8	3071.4	5234.2	7408.6	8504.0	9212.3	9280.6	6864.9
72.5°	312.2	327.8	456.0	758.4	1855.1	3720.6	6245.0	8066.9	8822.7	8719.9	5867.7
75°	156.1	182.1	307.0	385.1	792.2	2074.9	3878.0	6360.1	6944.2	6546.1	3764.8
77.5°	118.4	143.1	253.7	253.7	275.8	698.6	1642.4	3468.9	3199.6	2664.2	1105.1
80°	75.5	97.6	221.8	191.9	115.1	177.6	428.0	971.8	679.7	517.1	201.0
82.5°	44.2	63.7	184.7	126.8	64.4	65.7	121.0	206.8	176.3	137.2	61.8
85°	17.6	41.6	126.8	50.1	25.4	16.3	36.4	44.2	36.4	27.3	15.6
87.5°	0.0	9.8	22.1	0.0	2.0	1.3	2.6	3.3	3.3	2.6	5.2
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°	1606.6	1606.6	1606.6	1606.6	1606.6	1606.6	1606.6	1606.6	1606.6	1606.6	1606.6
2.5°	1613.8	1615.1	1619.0	1619.6	1610.5	1598.8	1594.3	1592.3	1584.5	1583.8	1585.1
5°	1633.3	1639.1	1633.3	1616.4	1576.0	1519.5	1476.5	1441.4	1409.5	1399.8	1393.9
7.5°	1672.3	1678.2	1660.6	1594.3	1492.8	1380.3	1278.8	1207.2	1142.8	1118.8	1109.0
10°	1728.2	1736.1	1680.8	1546.8	1367.2	1186.4	1014.7	893.7	799.4	761.0	744.8
12.5°	1798.5	1801.7	1691.8	1474.6	1204.0	945.8	702.5	573.0	489.1	457.9	448.2
15°	1875.9	1871.3	1693.1	1376.4	981.5	668.7	458.6	376.6	342.8	332.4	332.4
17.5°	1957.2	1938.3	1667.1	1234.6	737.6	457.3	340.2	320.7	314.8	312.2	311.6
20°	2037.2	1994.9	1619.6	1049.2	529.5	341.5	309.0	303.1	299.9	298.6	297.3
22.5°	2110.1	2037.9	1538.3	833.9	384.4	301.8	292.1	286.8	281.0	278.4	277.7
25°	2181.0	2062.6	1423.8	632.9	307.7	282.3	274.5	264.7	256.9	253.7	252.4
27.5°	2249.9	2078.2	1280.7	468.3	274.5	264.1	249.8	236.1	230.3	229.0	227.7
30°	2323.4	2083.4	1118.1	349.3	254.3	241.3	220.5	204.9	201.6	202.3	202.3
32.5°	2413.2	2091.2	954.2	286.2	237.4	214.0	189.3	173.0	170.4	173.0	172.4
35°	2520.5	2106.8	796.2	263.4	222.5	186.0	159.4	145.7	143.1	145.1	144.4
37.5°	2666.2	2132.2	648.5	258.9	210.1	162.6	134.0	122.9	122.9	123.6	122.9
40°	2860.0	2199.8	516.5	255.6	203.6	145.1	113.2	108.6	110.6	111.9	111.9
42.5°	3096.1	2343.6	427.3	251.7	196.4	137.2	102.8	100.8	104.1	105.4	105.4
45°	3360.9	2525.7	396.1	245.2	189.9	142.4	98.2	95.6	99.5	100.2	100.8
47.5°	3634.7	2703.9	392.2	238.1	183.4	150.3	96.9	91.1	95.6	96.3	96.9
50°	3911.8	2820.4	396.1	227.0	173.0	150.3	97.6	86.5	90.4	92.4	93.0
52.5°	4190.9	2873.7	393.5	202.9	154.8	141.1	97.6	82.6	86.5	87.8	87.8
55°	4461.4	2863.3	353.8	167.2	131.4	124.9	95.0	79.4	82.0	82.6	82.6
57.5°	4675.4	2718.2	280.3	130.1	106.7	104.1	86.5	75.5	77.4	76.8	76.8
60°	4787.3	2399.5	200.3	100.2	83.9	82.0	76.1	70.2	71.5	68.3	67.6
62.5°	4788.6	1978.0	134.0	79.4	67.0	65.0	65.0	63.1	61.8	55.3	53.3
65°	4686.5	1510.3	89.1	63.1	54.0	50.7	54.6	54.0	49.4	40.3	39.0
67.5°	4454.9	990.0	67.6	49.4	41.6	39.7	43.6	45.5	42.3	33.8	33.2
70°	3978.8	576.3	55.9	38.4	31.2	29.3	35.1	39.0	35.1	27.3	26.0
72.5°	3304.9	310.9	45.5	28.6	21.5	19.5	28.0	31.9	28.0	20.2	19.5
75°	2144.5	166.5	35.1	18.9	11.1	12.4	20.8	23.4	19.5	13.0	11.7
77.5°	720.0	73.5	22.1	9.1	5.2	5.2	12.4	14.3	9.1	4.6	3.9
80°	160.7	30.6	9.1	3.9	2.0	2.0	2.6	2.6	1.3	0.0	0.0
82.5°	52.7	12.4	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	20.2	4.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.8	0.7	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	0.0

(END OF REPORT)