

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: P948063

Luminaire Tested: **GALN-SB3B-722-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948063
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-722-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13930 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 109.2
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

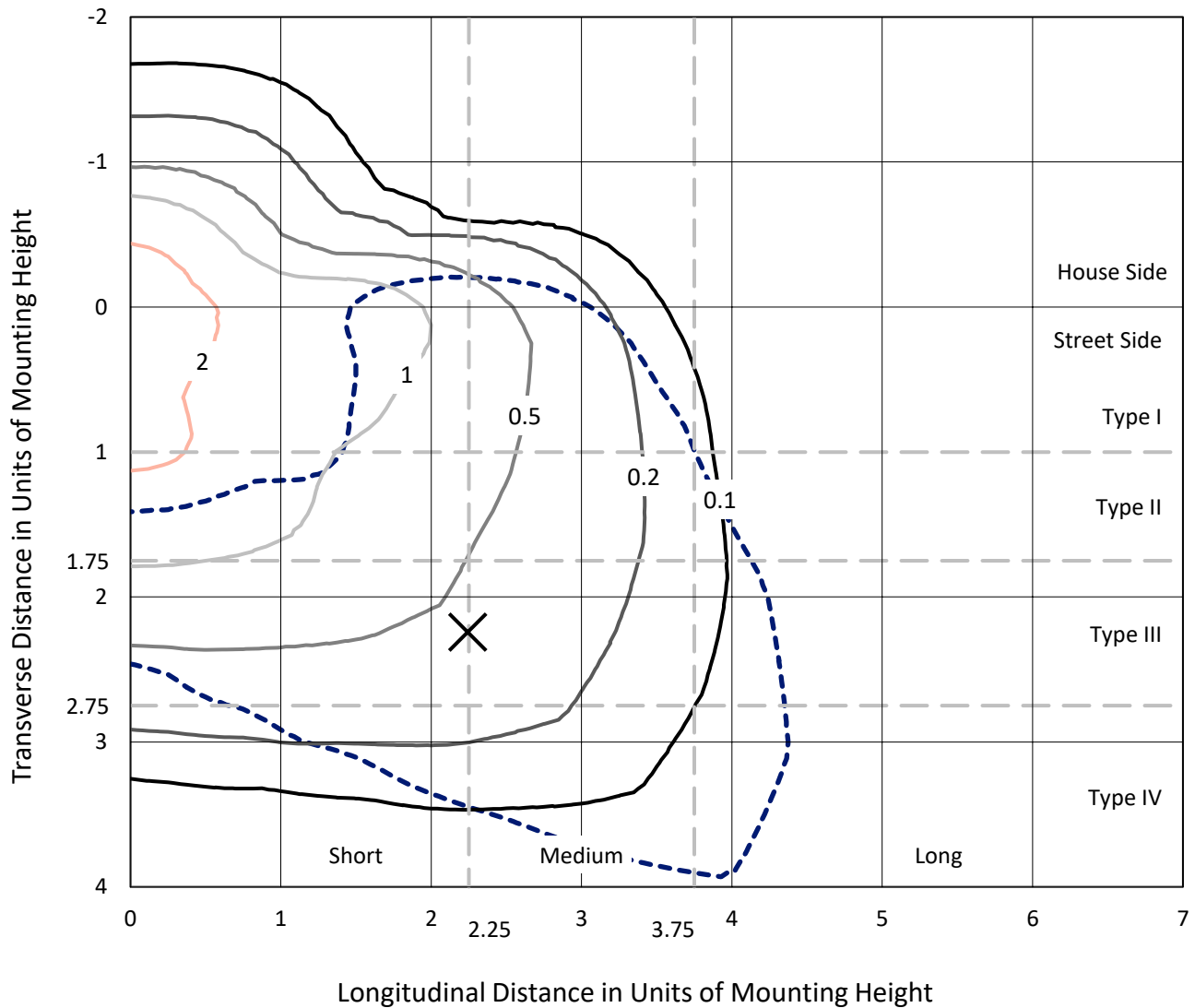


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

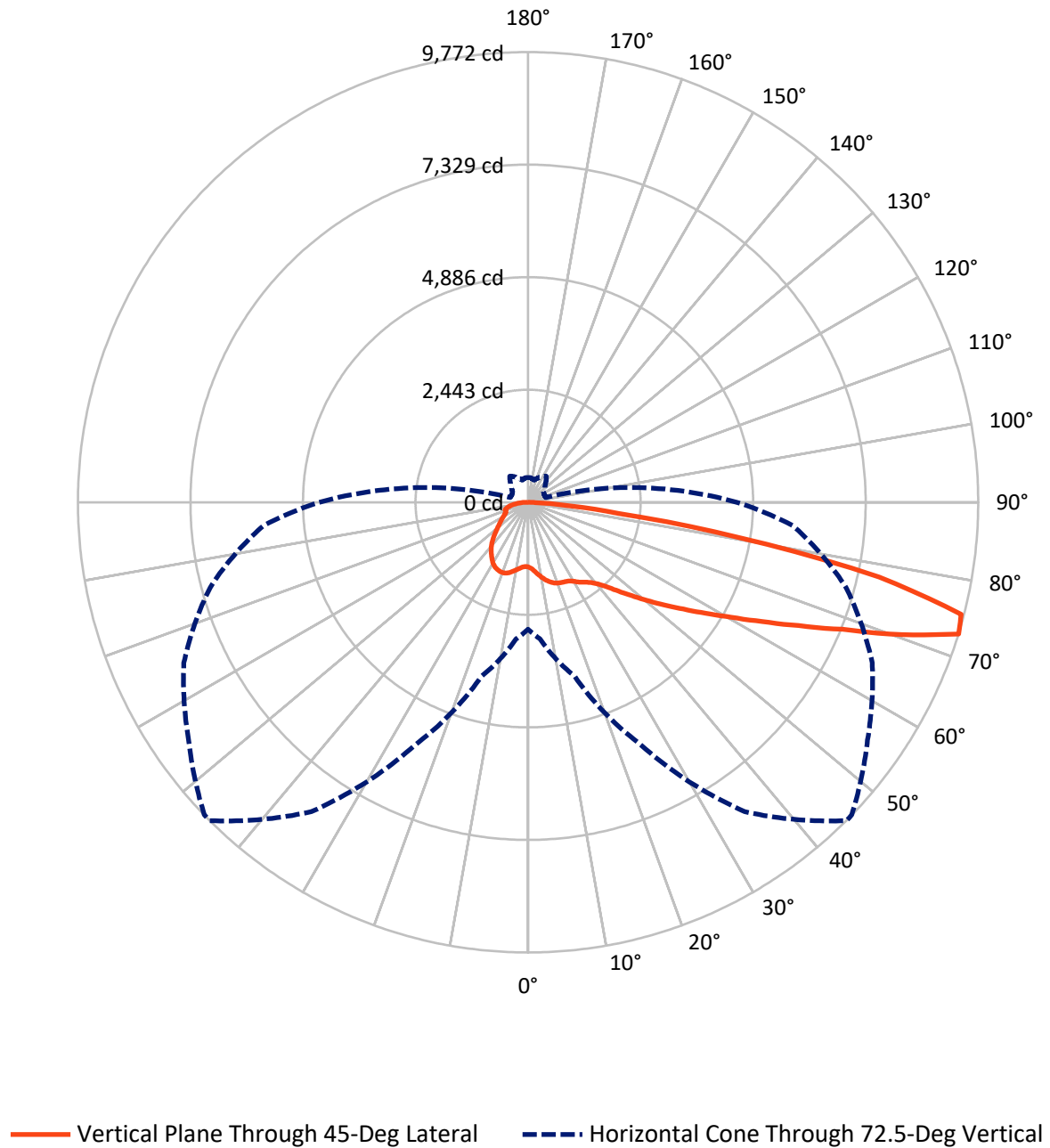


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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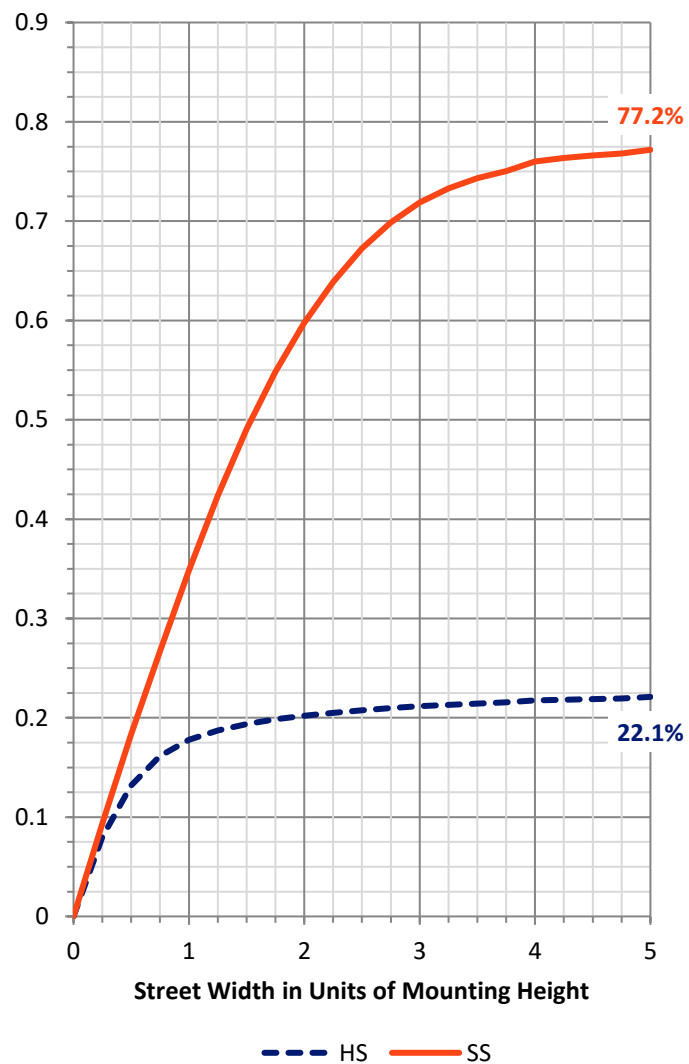
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3149.1	0.0	3149.1
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	10780.9	0.0	10780.9
	% Fixture	77.4	0.0	77.4
Total	Lumens	13930.0	0.0	13930.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.0	1.0
10°-20°	476.9	3.4
20°-30°	829.6	6.0
30°-40°	1189.2	8.5
40°-50°	1674.5	12.0
50°-60°	2564.8	18.4
60°-70°	3715.5	26.7
70°-80°	2967.0	21.3
80°-90°	369.5	2.7
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°	13930.0	100.0
0°-180°	13930.0	100.0

Coefficient of Utilization



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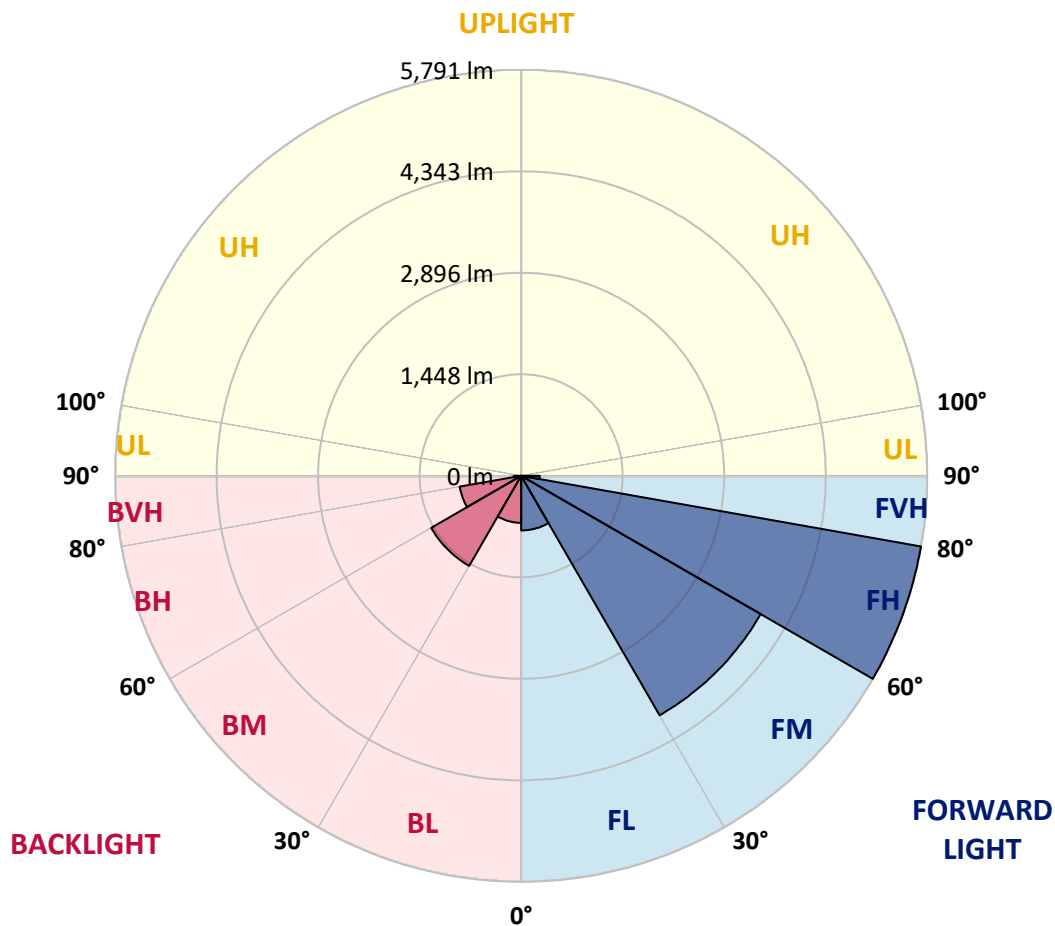
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	779.0	5.6			
FM	(30°-60°)	3945.7	28.3			
FH	(60°-80°)	5791.1	41.6			G3/7500
FVH	(80°-90°)	265.1	1.9			G3/500
BL	(0°-30°)	670.5	4.8	B2/1000		
BM	(30°-60°)	1482.8	10.6	B2/2500		
BH	(60°-80°)	891.4	6.4	B2/1000		G2/1000
BVH	(80°-90°)	104.4	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1405.3	1405.3	1405.3	1405.3	1405.3	1405.3	1405.3	1405.3	1405.3	1405.3	1405.3
2.5°	1460.3	1469.8	1461.0	1453.0	1449.3	1439.8	1439.0	1433.2	1429.5	1419.2	1416.3
5°	1562.3	1574.8	1560.1	1544.0	1529.3	1505.8	1502.9	1486.0	1466.9	1444.9	1432.4
7.5°	1677.5	1688.5	1671.6	1647.4	1621.7	1582.9	1582.1	1551.3	1521.2	1483.8	1462.5
10°	1778.0	1792.7	1770.0	1737.0	1704.7	1660.6	1655.5	1620.3	1582.1	1533.7	1501.4
12.5°	1866.8	1877.1	1855.1	1814.7	1777.3	1733.3	1726.7	1687.8	1645.2	1590.2	1549.1
15°	1937.3	1950.5	1921.1	1877.8	1838.2	1794.9	1789.1	1753.8	1711.3	1653.3	1600.5
17.5°	1983.5	1994.5	1964.4	1916.0	1877.8	1841.9	1837.5	1808.1	1770.7	1712.0	1655.5
20°	2001.1	2012.9	1981.3	1932.1	1896.9	1869.0	1866.8	1845.6	1819.9	1766.3	1709.1
22.5°	2018.7	2029.7	1988.7	1937.3	1906.5	1888.9	1888.1	1874.2	1863.9	1819.9	1764.1
25°	2089.9	2092.9	2037.8	1963.7	1919.7	1904.3	1903.5	1902.8	1907.2	1872.7	1823.5
27.5°	2151.6	2150.8	2103.9	2034.1	1965.9	1933.6	1932.9	1940.2	1954.2	1925.5	1885.2
30°	2241.8	2233.7	2178.0	2105.3	2043.0	1993.1	1988.7	1982.0	1993.1	1970.3	1946.8
32.5°	2433.3	2407.7	2317.4	2188.3	2106.8	2068.6	2062.8	2021.7	2026.1	2012.1	2000.4
35°	2707.8	2674.0	2553.7	2345.3	2186.1	2131.7	2128.8	2076.7	2067.9	2055.4	2059.8
37.5°	3034.3	2992.5	2852.4	2572.8	2322.5	2205.1	2200.7	2153.8	2117.8	2104.6	2129.5
40°	3362.4	3309.5	3193.6	2850.2	2523.6	2327.7	2313.7	2242.6	2201.5	2179.4	2232.3
42.5°	3680.8	3636.8	3537.7	3161.3	2771.6	2506.7	2475.9	2354.1	2323.3	2302.7	2398.1
45°	3962.6	3923.0	3850.4	3493.7	3062.2	2750.4	2720.3	2521.4	2511.9	2511.9	2649.8
47.5°	4191.6	4182.8	4105.7	3832.7	3404.9	3027.7	2975.6	2754.0	2779.7	2819.3	3007.2
50°	4445.5	4421.3	4339.1	4166.6	3807.8	3345.5	3302.9	3039.5	3135.6	3244.2	3523.8
52.5°	4678.8	4692.0	4600.3	4514.5	4262.8	3699.9	3625.1	3376.3	3584.0	3763.8	4129.2
55°	4918.8	4919.5	4893.8	4882.1	4739.7	4091.8	4009.6	3781.4	4111.6	4334.7	4835.1
57.5°	5144.1	5145.5	5183.7	5287.2	5293.0	4543.8	4450.6	4278.9	4697.9	4925.4	5563.1
60°	5345.1	5355.4	5459.6	5701.8	5779.6	5061.9	4973.8	4866.7	5304.1	5533.0	6328.5
62.5°	5412.7	5450.1	5682.0	6026.1	6260.2	5697.4	5610.8	5546.9	5941.0	6153.8	6968.4
65°	5298.2	5384.0	5832.4	6294.0	6754.8	6452.5	6366.6	6296.9	6602.9	6803.2	7493.8
67.5°	5017.1	5127.9	5823.6	6575.0	7355.1	7361.0	7281.0	7117.3	7312.5	7389.6	7664.8
70°	4276.7	4442.5	5310.7	6680.0	8044.1	8603.3	8526.3	8105.0	8020.7	7647.9	7183.4
72.5°	2755.5	2978.6	3910.5	5816.3	8197.5	9772.3	9767.9	8996.6	8244.5	7145.9	5761.2
75°	1005.3	1141.8	1816.9	3650.8	6881.0	9712.8	9741.5	8844.0	7526.1	5519.8	3589.1
77.5°	366.2	400.7	592.9	1403.1	4231.9	7793.2	7852.6	7070.4	5356.9	2770.2	1422.1
80°	192.3	211.3	303.8	544.5	1813.3	4628.2	4721.4	4201.9	2517.7	834.4	426.3
82.5°	106.4	115.2	170.2	295.7	816.7	1979.1	2034.9	1659.9	885.7	353.7	176.1
85°	57.2	60.9	80.0	161.4	399.2	686.1	701.5	496.1	353.0	207.7	85.1
87.5°	16.9	20.5	26.4	51.4	156.3	154.1	157.8	98.3	139.4	104.9	27.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1405.3	1405.3	1405.3	1405.3	1405.3	1405.3	1405.3	1405.3	1405.3	1405.3	1405.3
2.5°	1411.9	1409.7	1401.6	1397.9	1393.5	1392.8	1396.5	1397.2	1397.9	1398.7	1401.6
5°	1425.1	1417.7	1410.4	1406.0	1407.5	1408.2	1415.5	1420.7	1424.3	1427.3	1428.7
7.5°	1450.8	1444.9	1432.4	1431.7	1433.9	1440.5	1450.0	1461.8	1468.4	1473.5	1475.0
10°	1488.9	1477.9	1463.2	1465.4	1469.8	1479.4	1499.2	1508.7	1519.7	1529.3	1527.1
12.5°	1527.8	1518.3	1501.4	1502.9	1510.2	1527.1	1546.2	1557.9	1565.2	1572.6	1575.5
15°	1578.4	1561.6	1543.2	1543.2	1556.4	1574.8	1583.6	1593.1	1597.5	1605.6	1608.5
17.5°	1630.5	1608.5	1584.3	1582.9	1599.0	1607.8	1612.9	1614.4	1615.9	1624.7	1627.6
20°	1682.6	1658.4	1623.9	1621.0	1624.7	1623.2	1622.5	1621.0	1623.2	1634.2	1638.6
22.5°	1734.0	1706.1	1658.4	1645.2	1635.0	1621.0	1620.3	1619.5	1621.0	1632.0	1639.4
25°	1794.2	1760.4	1696.6	1657.0	1622.5	1603.4	1605.6	1606.3	1607.8	1616.6	1628.3
27.5°	1859.5	1822.1	1731.8	1653.3	1590.9	1577.7	1574.0	1576.2	1581.4	1595.3	1609.3
30°	1924.8	1880.8	1764.1	1638.6	1551.3	1533.0	1521.2	1526.3	1542.5	1556.4	1571.8
32.5°	1984.3	1940.2	1789.8	1606.3	1500.7	1472.0	1456.6	1463.2	1479.4	1484.5	1502.9
35°	2054.0	2004.1	1800.8	1555.0	1445.6	1401.6	1381.0	1371.5	1379.6	1374.4	1390.6
37.5°	2131.7	2079.6	1799.3	1487.5	1381.0	1330.4	1301.8	1265.8	1249.0	1231.4	1242.4
40°	2247.0	2172.1	1781.7	1406.0	1301.1	1254.8	1203.5	1142.6	1104.4	1069.9	1072.1
42.5°	2404.0	2300.5	1749.4	1316.5	1210.8	1167.5	1097.8	1026.6	966.4	909.2	904.1
45°	2638.1	2468.6	1709.1	1221.1	1113.2	1070.6	995.1	915.1	846.8	773.4	764.6
47.5°	2975.6	2694.6	1670.9	1112.5	1010.5	971.6	903.3	829.2	748.5	677.3	669.2
50°	3439.4	3018.9	1635.7	1006.8	909.2	879.9	825.5	750.0	668.5	611.3	607.6
52.5°	4029.4	3460.0	1621.0	904.8	814.5	803.5	760.2	689.8	612.7	564.3	560.6
55°	4706.7	3987.6	1621.0	807.2	731.6	735.3	705.2	639.9	573.1	529.8	525.4
57.5°	5398.0	4521.8	1591.7	716.9	661.2	676.6	657.5	600.3	540.1	495.3	488.0
60°	6034.9	4969.4	1472.8	634.8	598.8	623.0	610.5	561.4	488.0	450.6	444.7
62.5°	6524.4	5221.9	1243.8	569.4	547.4	575.3	568.7	510.0	478.5	463.0	457.9
65°	6769.5	5180.8	951.0	511.5	504.1	547.4	533.5	531.3	506.3	488.7	482.9
67.5°	6619.1	4827.1	689.8	468.9	479.2	521.7	575.3	584.1	537.9	503.4	497.5
70°	5959.4	4187.2	513.7	428.6	447.6	522.5	656.0	611.3	527.6	487.3	480.7
72.5°	4533.5	3122.4	398.5	386.0	406.5	526.1	692.0	598.8	498.3	538.6	534.2
75°	2592.6	1714.2	319.9	333.9	355.2	491.7	673.6	566.5	475.5	494.6	494.6
77.5°	988.5	659.0	264.2	282.5	285.5	429.3	644.3	564.3	452.8	441.8	402.9
80°	342.7	257.6	218.7	224.5	220.9	381.6	617.9	490.9	370.6	331.7	320.7
82.5°	140.2	128.4	173.2	165.8	157.0	296.5	499.0	401.4	303.1	267.8	264.9
85°	60.9	81.5	114.5	100.5	91.0	205.5	399.9	339.8	256.1	220.9	220.1
87.5°	12.5	30.8	48.4	45.5	47.0	137.2	284.0	241.4	181.3	135.8	106.4
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)