

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: P529276

Luminaire Tested: **GALN-SA4B-830-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4B-830-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13322 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 164
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

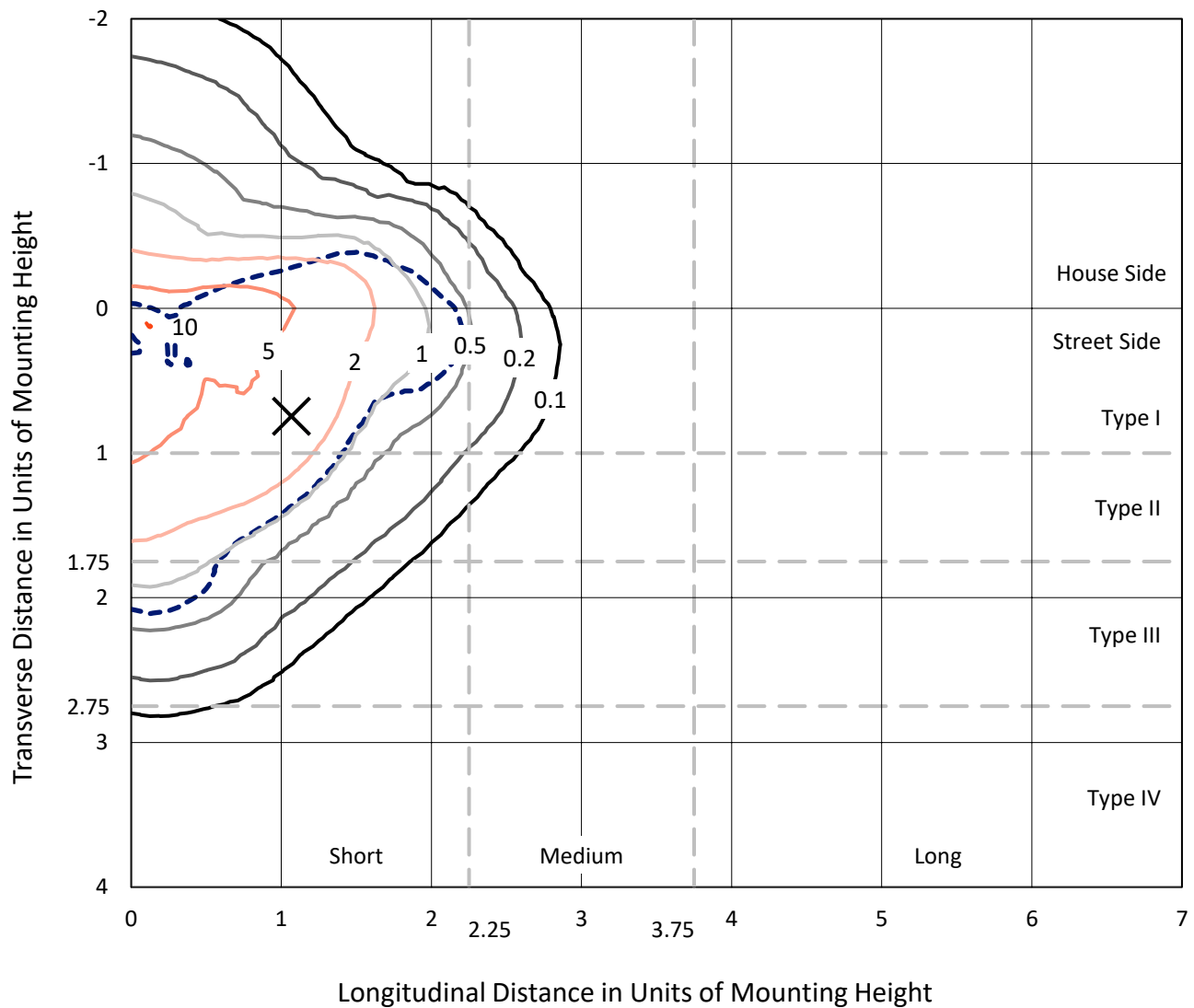


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

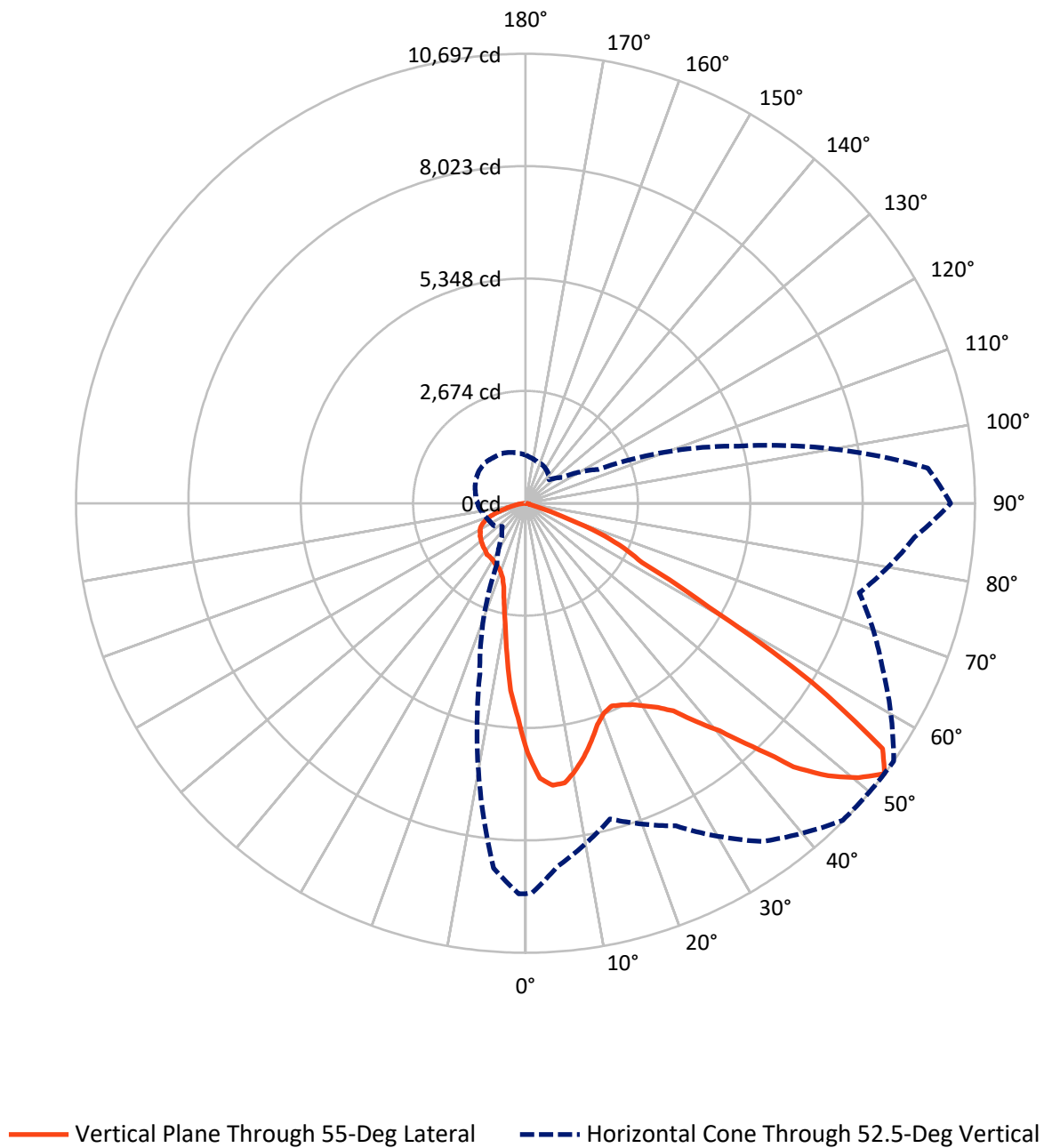


Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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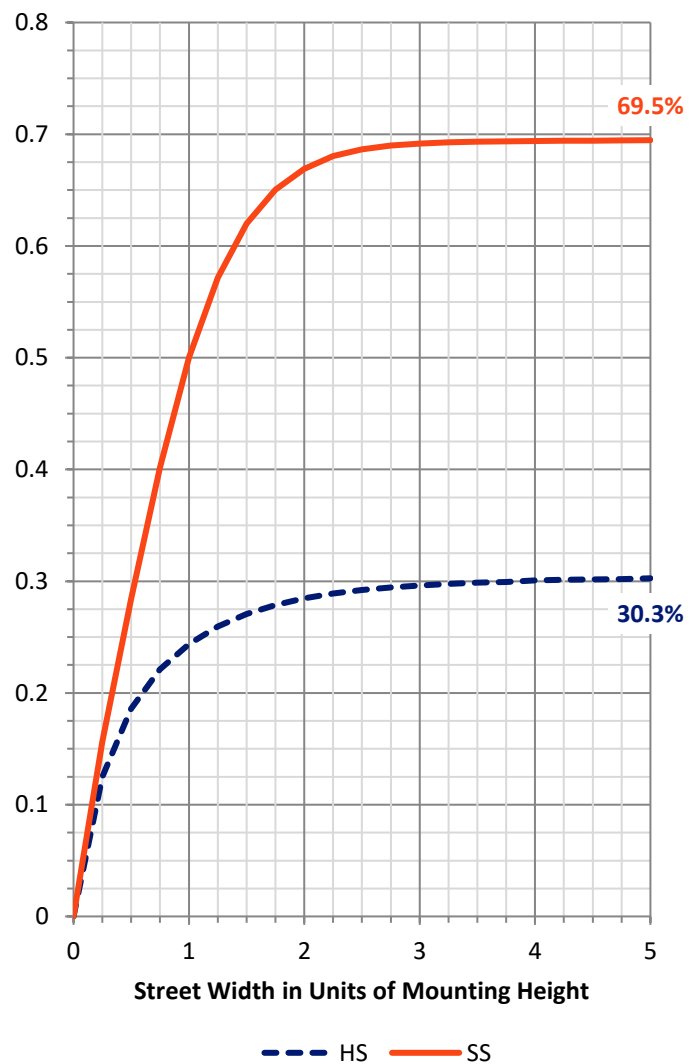
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4063.9	0.0	4063.9
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	9258.1	0.0	9258.1
	% Fixture	69.5	0.0	69.5
Total	Lumens	13322.0	0.0	13322.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.0	3.4
10°-20°	978.9	7.3
20°-30°	1484.3	11.1
30°-40°	2144.6	16.1
40°-50°	2865.8	21.5
50°-60°	3198.9	24.0
60°-70°	1754.7	13.2
70°-80°	379.4	2.8
80°-90°	61.4	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°	13322.0	100.0
0°-180°	13322.0	100.0

Coefficient of Utilization



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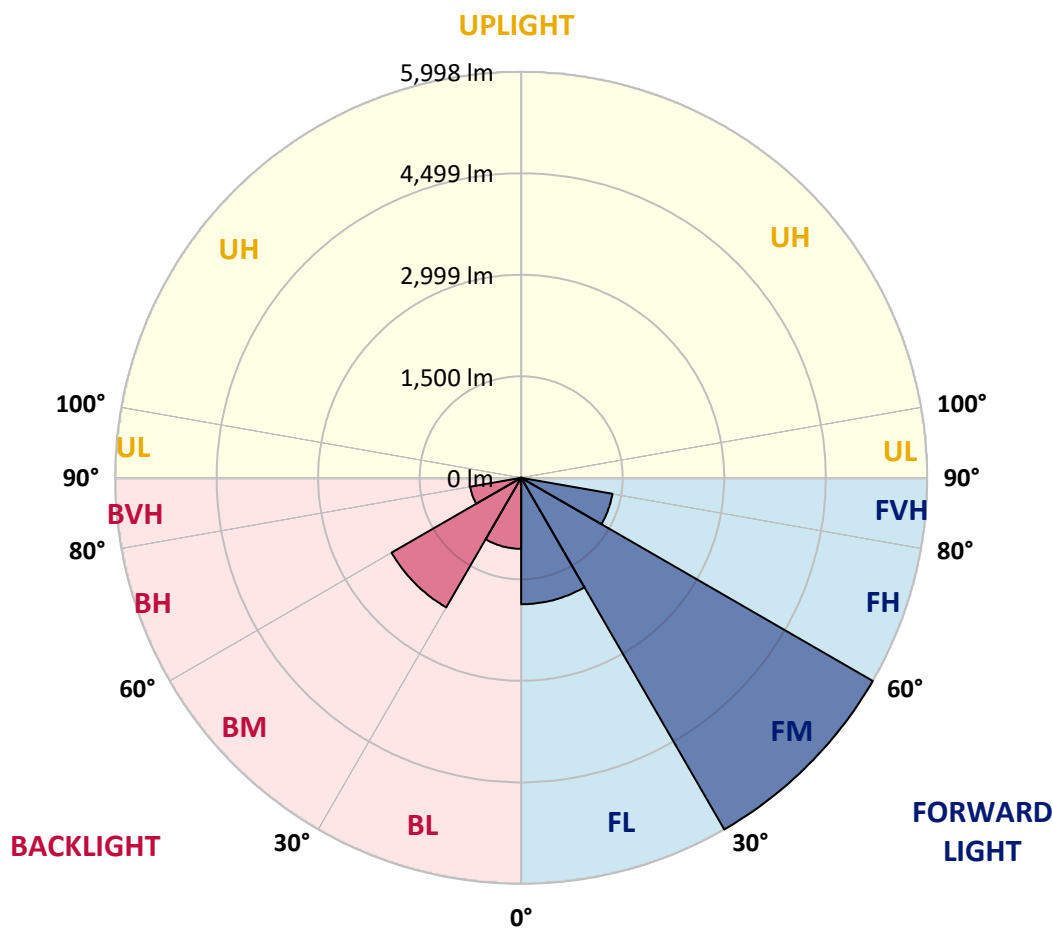
CATALOG NUMBER: GALN-SA4B-830-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1868.0	14.0			
FM	(30°-60°)	5998.2	45.0			
FH	(60°-80°)	1369.2	10.3			G1/1800
FVH	(80°-90°)	22.7	0.2			G1/100
BL	(0°-30°)	1049.2	7.9	B3/2500		
BM	(30°-60°)	2211.1	16.6	B2/2500		
BH	(60°-80°)	764.9	5.7	B2/1000		G2/1000
BVH	(80°-90°)	38.7	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6
2.5°	6236.4	6201.4	6232.5	6380.3	6465.9	6524.3	6561.2	6555.4	6415.3	6279.2	6279.2
5°	6053.5	6008.8	6073.0	6407.5	6744.1	6773.3	6821.9	6742.1	6535.9	6286.9	5975.7
7.5°	5524.4	5557.5	5664.5	6104.1	6541.8	6761.6	6819.9	6718.8	6384.2	5919.3	5462.2
10°	5067.3	5145.1	5392.1	5866.8	6269.4	6555.4	6619.6	6477.6	6213.0	5643.1	5234.6
12.5°	4909.7	4861.1	5135.4	5610.0	5995.2	6148.8	6178.0	6187.7	6008.8	5503.0	5005.0
15°	4890.3	4921.4	5135.4	5495.2	5732.6	5740.3	5789.0	5864.8	5888.2	5598.3	5112.0
17.5°	5170.4	5133.4	5353.2	5639.2	5526.4	5413.5	5425.2	5534.1	5726.7	5680.0	5448.6
20°	5584.7	5668.4	5841.5	5812.3	5508.9	5222.9	5224.9	5328.0	5707.3	6018.5	5917.4
22.5°	6273.3	6355.0	6483.4	6131.3	5508.9	5166.5	5100.4	5240.4	5831.8	6421.2	6446.5
25°	6901.6	7051.4	7086.4	6672.1	5785.1	5219.0	5176.2	5314.3	5956.3	6814.1	7053.4
27.5°	7473.5	7528.0	7681.7	7020.3	5938.8	5254.0	5250.1	5427.2	6113.8	7010.6	7596.1
30°	7924.8	7919.0	8006.5	7240.1	6183.8	5450.5	5261.8	5596.4	6320.0	7335.4	8097.9
32.5°	8232.2	8298.3	8483.1	7545.5	6286.9	5637.2	5489.4	5794.8	6570.9	7489.1	8452.0
35°	8772.9	8887.7	8654.3	7714.7	6613.7	5822.0	5648.9	6065.2	6695.4	7656.4	8885.8
37.5°	9282.6	9195.0	8957.7	7806.2	6825.8	6164.4	6002.9	6588.5	7082.5	8020.1	9173.7
40°	9609.4	9607.4	9185.3	7880.1	6975.6	6687.7	6677.9	7119.5	7557.2	8249.7	9496.6
42.5°	9751.4	9887.5	9278.7	7872.3	7290.7	7321.8	7518.3	7913.1	7893.7	8296.4	9488.8
44°	9945.9	10027.6	9440.1	7889.8	7500.8	7749.8	8212.7	8463.6	8187.4	8271.1	9479.0
45°	9938.1	9944.0	9210.6	7913.1	7679.7	8107.7	8522.0	8946.1	8446.1	8216.6	9607.4
47.5°	9710.5	9644.4	9016.1	7740.0	8238.0	9053.0	9436.3	9693.0	8765.2	8099.9	9447.9
50°	9261.2	9185.3	8543.4	7666.1	8354.7	9640.5	10169.6	10263.0	9055.0	7985.1	9290.4
52.5°	9292.3	9270.9	8677.6	7777.0	8471.4	9825.3	10673.4	10696.8	9383.7	8226.3	9292.3
55°	9848.6	9774.7	9062.8	7915.1	8385.8	9609.4	10352.5	10311.6	9272.9	8080.4	9463.5
57.5°	9012.2	9060.8	8529.8	7368.5	7339.3	7812.0	8138.8	8037.6	7738.1	7292.6	8804.1
60°	7271.2	7409.3	7459.9	6162.5	5538.0	5294.9	5197.6	5018.7	5069.2	5991.3	7734.2
62.5°	6236.4	6228.6	6545.7	5586.7	3627.8	3120.1	3073.4	3114.3	3697.9	5897.9	7574.7
65°	4944.7	5077.0	5174.3	4734.7	2871.1	2316.8	2314.8	2573.5	3199.9	4929.2	6115.8
67.5°	3139.6	3312.7	3433.3	3028.7	1919.9	1649.5	1604.8	1916.0	2217.5	3233.0	3682.3
70°	1770.1	1851.8	1906.3	1746.8	1221.6	855.9	805.3	879.2	1340.3	2093.1	2182.5
72.5°	682.8	719.7	793.6	799.5	461.0	276.2	223.7	268.4	564.1	828.7	789.8
75°	105.0	112.8	159.5	190.6	132.3	101.2	107.0	110.9	157.6	214.0	179.0
77.5°	50.6	50.6	48.6	56.4	66.1	72.0	77.8	85.6	93.4	103.1	99.2
80°	33.1	33.1	33.1	38.9	48.6	58.4	66.1	70.0	73.9	81.7	77.8
82.5°	21.4	21.4	21.4	29.2	38.9	48.6	52.5	62.2	70.0	81.7	75.9
85°	11.7	11.7	11.7	19.5	29.2	40.8	38.9	31.1	17.5	1.9	3.9
87.5°	3.9	3.9	3.9	3.9	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6
2.5°	6115.8	6026.3	6018.5	5835.7	5672.3	5592.5	5528.3	5349.4	5388.3	5285.2	5283.2
5°	5820.1	5637.2	5341.6	5098.4	4855.3	4806.6	4594.6	4409.8	4415.6	4283.4	4306.7
7.5°	5289.0	5162.6	4802.7	4421.5	4098.6	3869.0	3668.7	3548.1	3394.4	3341.9	3314.7
10°	4952.5	4796.9	4392.3	3913.8	3552.0	3429.4	3236.8	3129.9	2972.3	2894.5	2840.0
12.5°	4804.7	4577.1	4071.3	3585.0	3343.8	3217.4	3054.0	2859.5	2672.7	2600.8	2501.6
15°	4820.3	4547.9	3978.0	3452.8	3162.9	2917.8	2771.9	2556.0	2365.4	2238.9	2167.0
17.5°	5055.6	4724.9	4020.8	3351.6	2935.3	2628.0	2342.0	2108.6	1956.9	1861.6	1838.2
20°	5612.0	5162.6	4092.7	3188.2	2707.7	2324.5	1972.5	1729.3	1612.6	1610.6	1612.6
22.5°	6074.9	5629.5	4238.6	3091.0	2480.2	1935.5	1585.4	1507.5	1484.2	1532.8	1538.7
25°	6699.3	6154.7	4489.6	3040.4	2270.1	1649.5	1433.6	1404.4	1402.5	1464.7	1466.7
27.5°	7339.3	6613.7	4639.3	2892.5	2056.1	1501.7	1342.2	1336.4	1367.5	1433.6	1427.8
30°	7775.0	6998.9	4909.7	2715.5	1803.2	1371.4	1305.2	1313.0	1355.8	1406.4	1414.2
32.5°	8282.7	7378.2	4979.8	2618.3	1647.6	1262.4	1215.8	1233.3	1287.7	1367.5	1410.3
35°	8864.4	7646.7	5086.7	2486.0	1589.2	1178.8	1155.5	1174.9	1241.0	1293.6	1340.3
37.5°	9294.3	8121.3	5106.2	2382.9	1525.1	1132.1	1095.2	1159.4	1198.3	1272.2	1295.5
40°	9613.3	8465.6	5156.8	2318.7	1474.5	1071.8	1071.8	1114.6	1167.1	1235.2	1281.9
42.5°	9817.5	8716.5	5193.7	2260.3	1377.2	1054.3	1044.6	1087.4	1157.4	1223.5	1244.9
44°	9942.0	8823.5	5156.8	2205.9	1350.0	1032.9	1032.9	1069.9	1124.3	1202.1	1227.4
45°	9973.1	8957.7	5075.1	2203.9	1316.9	1007.6	1003.7	1073.8	1110.7	1206.0	1221.6
47.5°	10093.7	9123.1	5084.8	2141.7	1237.2	947.3	1015.4	1046.5	1079.6	1163.2	1215.8
50°	10089.8	9226.2	5063.4	2050.3	1178.8	879.2	992.1	1027.1	1060.1	1145.7	1167.1
52.5°	10117.1	9611.3	5259.9	1904.4	1073.8	791.7	914.3	992.1	1032.9	1104.9	1149.6
55°	10103.5	9831.1	5454.4	1795.4	925.9	739.2	848.1	939.5	997.9	1073.8	1095.2
57.5°	9228.1	8689.3	5047.8	1591.2	766.4	676.9	754.7	885.1	959.0	1036.8	1064.0
60°	7539.7	6697.4	4162.8	1171.0	630.3	622.5	702.2	867.6	898.7	966.8	1013.5
62.5°	6967.8	5874.6	3301.0	894.8	538.8	569.9	647.8	783.9	832.6	916.2	959.0
65°	5452.4	3902.1	2044.4	605.0	474.6	511.6	585.5	686.7	766.4	844.2	894.8
67.5°	3229.1	2132.0	1011.5	424.1	414.3	453.2	529.1	605.0	696.4	782.0	807.3
70°	1758.5	1048.5	431.8	322.9	352.1	387.1	461.0	513.5	601.1	667.2	710.0
72.5°	564.1	319.0	215.9	239.3	268.4	309.3	354.0	418.2	480.5	519.4	554.4
75°	136.2	134.2	153.7	167.3	194.5	225.6	262.6	295.7	344.3	381.3	412.4
77.5°	95.3	103.1	118.7	138.1	147.8	159.5	182.9	208.1	229.5	256.8	276.2
80°	73.9	79.8	91.4	101.2	110.9	120.6	132.3	142.0	155.6	173.1	182.9
82.5°	70.0	73.9	85.6	91.4	87.5	85.6	93.4	97.3	99.2	105.0	110.9
85°	5.8	0.0	3.9	13.6	33.1	48.6	52.5	52.5	50.6	54.5	54.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	7.8	5.8
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6
2.5°	5259.9	5193.7	5219.0	5250.1	5205.4	5102.3	5129.5	5117.9	5222.9	5215.1	5320.2
5°	4409.8	4306.7	4318.4	4470.1	4421.5	4474.0	4369.0	4355.3	4374.8	4384.5	4402.0
7.5°	3375.0	3361.3	3478.1	3606.4	3666.7	3604.5	3501.4	3478.1	3456.7	3413.9	3511.1
10°	2754.4	2758.3	2750.5	2847.8	2915.9	2902.3	2840.0	2832.2	2791.4	2775.8	2830.3
12.5°	2458.8	2406.2	2380.9	2349.8	2402.3	2437.4	2410.1	2390.7	2392.6	2412.1	2419.9
15°	2172.8	2139.7	2085.3	2050.3	2075.5	2058.0	2048.3	2087.2	2077.5	2073.6	2120.3
17.5°	1851.8	1879.1	1875.2	1836.3	1869.4	1855.7	1853.8	1826.6	1789.6	1762.4	1777.9
20°	1639.8	1690.4	1729.3	1731.2	1748.8	1746.8	1717.6	1634.0	1606.8	1600.9	1604.8
22.5°	1564.0	1591.2	1637.9	1704.0	1704.0	1672.9	1637.9	1540.6	1515.3	1488.1	1476.4
25°	1503.7	1556.2	1616.5	1624.3	1655.4	1626.2	1569.8	1521.2	1468.6	1431.7	1431.7
27.5°	1472.5	1530.9	1575.6	1589.2	1632.0	1608.7	1550.3	1488.1	1425.8	1423.9	1390.8
30°	1458.9	1513.4	1542.6	1575.6	1595.1	1558.1	1540.6	1474.5	1412.2	1396.7	1342.2
32.5°	1418.1	1495.9	1550.3	1542.6	1558.1	1542.6	1517.3	1462.8	1392.8	1357.8	1351.9
35°	1371.4	1449.2	1507.5	1548.4	1558.1	1525.1	1509.5	1435.6	1340.3	1322.7	1262.4
37.5°	1346.1	1392.8	1464.7	1530.9	1544.5	1527.0	1474.5	1398.6	1303.3	1283.8	1231.3
40°	1315.0	1375.3	1431.7	1486.1	1527.0	1484.2	1423.9	1350.0	1307.2	1248.8	1233.3
42.5°	1291.6	1359.7	1406.4	1466.7	1513.4	1457.0	1386.9	1336.4	1276.1	1237.2	1192.4
44°	1283.8	1346.1	1377.2	1451.1	1490.0	1447.2	1388.9	1336.4	1266.3	1231.3	1192.4
45°	1256.6	1342.2	1375.3	1441.4	1474.5	1439.5	1365.5	1313.0	1262.4	1219.7	1178.8
47.5°	1229.4	1287.7	1344.1	1396.7	1420.0	1408.3	1346.1	1281.9	1221.6	1196.3	1157.4
50°	1221.6	1280.0	1332.5	1381.1	1408.3	1385.0	1328.6	1266.3	1196.3	1155.5	1122.4
52.5°	1182.7	1254.7	1313.0	1328.6	1363.6	1350.0	1307.2	1239.1	1173.0	1138.0	1110.7
55°	1126.3	1202.1	1281.9	1301.4	1351.9	1330.5	1266.3	1202.1	1145.7	1093.2	1058.2
57.5°	1104.9	1178.8	1256.6	1281.9	1313.0	1278.0	1262.4	1194.4	1104.9	1077.7	1023.2
60°	1050.4	1143.8	1208.0	1266.3	1268.3	1258.6	1231.3	1153.5	1079.6	1029.0	990.1
62.5°	1007.6	1095.2	1145.7	1200.2	1233.3	1206.0	1178.8	1106.8	1027.1	970.7	925.9
65°	945.4	1025.1	1067.9	1101.0	1138.0	1134.1	1087.4	1034.9	951.2	906.5	863.7
67.5°	850.1	920.1	978.4	1009.6	1032.9	1027.1	992.1	955.1	869.5	824.8	793.6
70°	735.3	807.3	844.2	861.7	885.1	896.7	869.5	852.0	776.1	717.8	688.6
72.5°	591.3	638.0	692.5	708.1	717.8	725.6	725.6	710.0	632.2	608.9	558.3
75°	435.7	472.7	513.5	513.5	531.0	533.0	536.9	527.2	468.8	437.7	426.0
77.5°	295.7	322.9	356.0	369.6	381.3	379.3	377.4	350.1	319.0	305.4	293.7
80°	192.6	219.8	235.4	252.9	264.5	262.6	266.5	247.0	233.4	210.1	214.0
82.5°	114.8	136.2	151.7	173.1	173.1	179.0	179.0	173.1	159.5	147.8	147.8
85°	54.5	72.0	81.7	95.3	103.1	105.0	93.4	79.8	66.1	60.3	66.1
87.5°	9.7	13.6	19.5	17.5	21.4	19.5	19.5	19.5	19.5	15.6	17.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P529276

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6	5942.6
2.5°	5281.3	5378.5	5446.6	5559.4	5754.0	5909.6	6069.1	6187.7	6201.4	6236.4
5°	4466.2	4518.7	4691.9	4917.5	5077.0	5339.6	5508.9	5816.2	5931.0	6053.5
7.5°	3487.8	3573.4	3804.8	3956.6	4306.7	4635.5	4975.9	5355.2	5506.9	5524.4
10°	2941.2	3065.7	3223.2	3466.4	3657.0	4022.7	4446.8	4868.9	5038.1	5067.3
12.5°	2583.3	2742.8	2952.8	3127.9	3310.8	3629.8	4036.3	4557.6	4777.5	4909.7
15°	2238.9	2404.3	2635.8	2878.9	3040.4	3421.6	3900.2	4487.6	4773.6	4890.3
17.5°	1884.9	2038.6	2229.2	2491.8	2816.7	3244.6	3878.8	4721.0	5034.2	5170.4
20°	1581.5	1667.1	1888.8	2159.2	2565.7	3063.7	3886.5	5065.3	5524.4	5584.7
22.5°	1462.8	1482.3	1569.8	1818.8	2264.2	2878.9	4024.7	5553.6	6074.9	6273.3
25°	1371.4	1367.5	1390.8	1558.1	2044.4	2807.0	4160.8	6002.9	6685.7	6901.6
27.5°	1320.8	1281.9	1283.8	1441.4	1888.8	2690.2	4335.9	6518.4	7378.2	7473.5
30°	1295.5	1287.7	1264.4	1328.6	1719.6	2515.2	4365.1	7026.1	7786.7	7924.8
32.5°	1280.0	1204.1	1174.9	1198.3	1560.1	2324.5	4474.0	7360.7	8292.5	8232.2
35°	1202.1	1134.1	1114.6	1138.0	1447.2	2217.5	4402.0	7652.5	8671.8	8772.9
37.5°	1173.0	1112.7	1073.8	1054.3	1342.2	2128.1	4365.1	8101.8	9039.4	9282.6
40°	1145.7	1081.5	1034.9	1015.4	1260.5	2009.4	4353.4	8448.1	9463.5	9609.4
42.5°	1114.6	1073.8	1021.2	986.2	1161.3	1890.8	4219.2	8555.1	9593.8	9751.4
44°	1104.9	1042.6	988.2	976.5	1122.4	1830.5	4191.9	8652.3	9706.6	9945.9
45°	1095.2	1036.8	974.6	959.0	1108.8	1797.4	4155.0	8675.7	9893.4	9938.1
47.5°	1067.9	1031.0	970.7	927.9	1079.6	1725.4	4044.1	8543.4	9702.7	9710.5
50°	1046.5	1003.7	941.5	857.8	1040.7	1665.1	4094.7	8494.8	9243.7	9261.2
52.5°	1023.2	959.0	924.0	780.0	976.5	1614.5	4201.7	8714.6	9296.2	9292.3
55°	996.0	925.9	840.3	713.9	869.5	1550.3	4460.4	9148.4	9782.5	9848.6
57.5°	953.2	892.9	770.3	655.5	747.0	1427.8	4376.7	8317.8	9000.5	9012.2
60°	896.7	840.3	698.3	610.8	612.7	1126.3	3913.8	6481.5	7102.0	7271.2
62.5°	842.3	811.2	638.0	546.6	521.3	896.7	3308.8	5386.3	6096.3	6236.4
65°	778.1	702.2	585.5	498.0	447.4	628.3	2344.0	4024.7	4756.1	4944.7
67.5°	696.4	614.7	515.5	437.7	383.2	420.2	1209.9	2287.6	3028.7	3139.6
70°	608.9	533.0	433.8	369.6	309.3	289.8	533.0	1091.3	1655.4	1770.1
72.5°	499.9	429.9	346.2	291.8	231.5	200.4	179.0	291.8	587.5	682.8
75°	361.8	313.2	260.7	208.1	163.4	128.4	105.0	87.5	97.3	105.0
77.5°	266.5	227.6	192.6	147.8	114.8	91.4	72.0	54.5	52.5	50.6
80°	208.1	184.8	153.7	118.7	89.5	68.1	50.6	37.0	33.1	33.1
82.5°	163.4	151.7	126.4	97.3	73.9	54.5	37.0	25.3	21.4	21.4
85°	62.2	62.2	91.4	79.8	56.4	38.9	25.3	13.6	11.7	11.7
87.5°	15.6	15.6	15.6	15.6	13.6	11.7	11.7	5.8	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

(END OF REPORT)