

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: P528808

Luminaire Tested: **GALN-SA3D-830-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528808
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-SA3D-830-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 1200mA 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: 13667 lumens
Efficiency: N/A
Efficacy: 74.3 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): 184
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

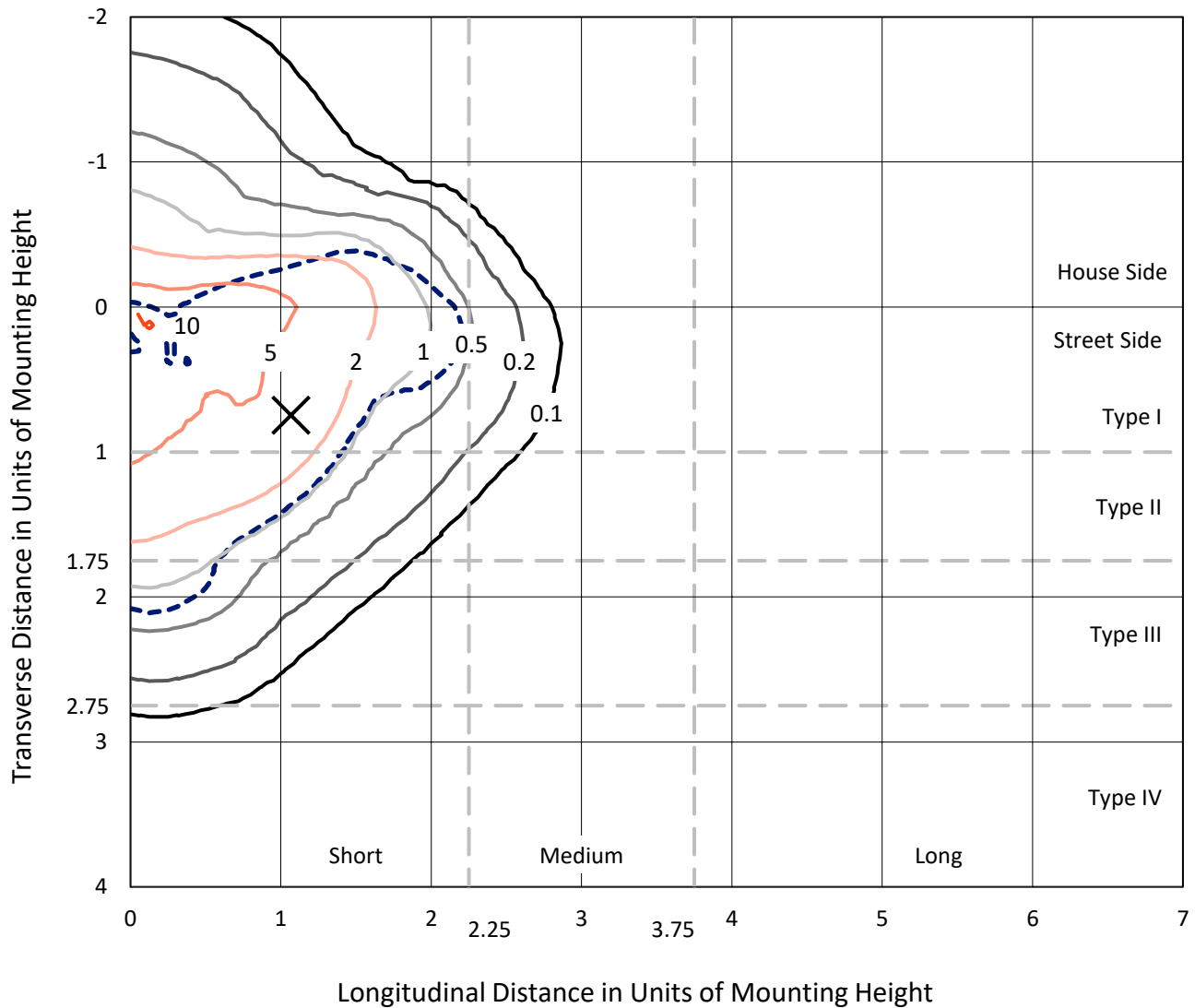


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Iso-Footcandle Lines of Horizontal Illumination

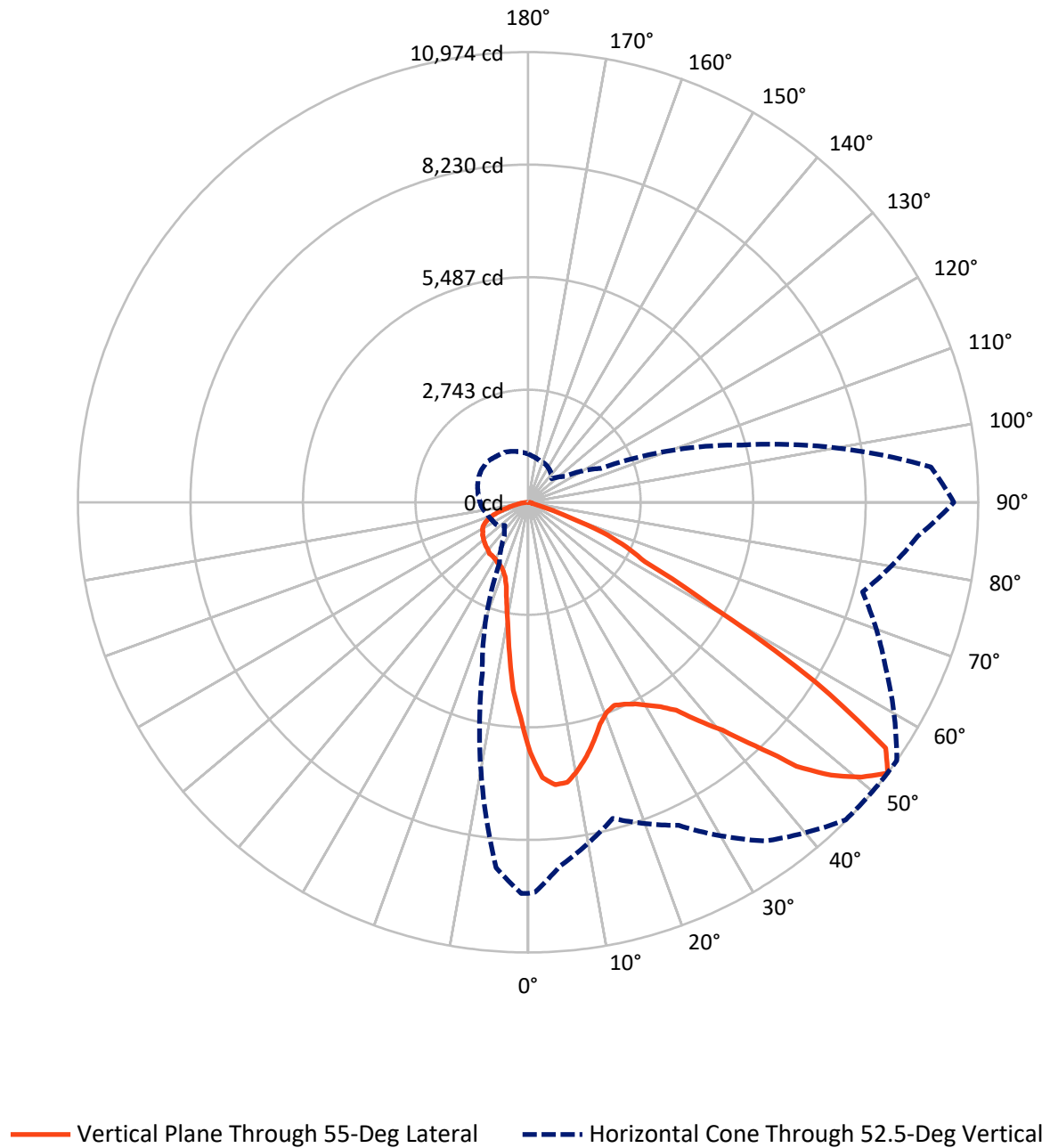
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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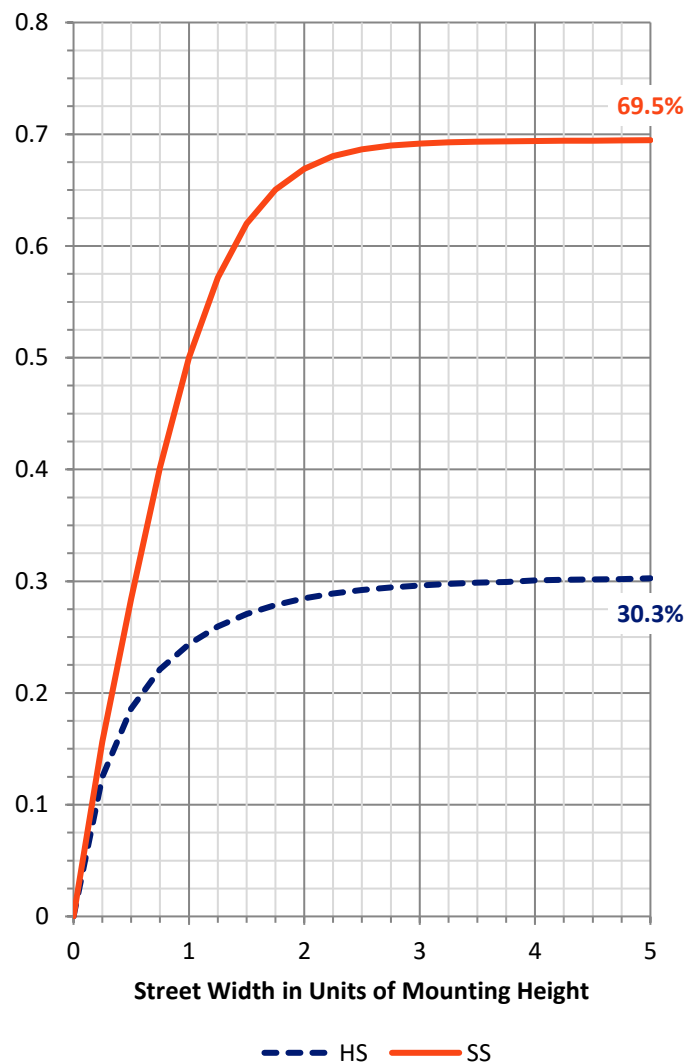
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4169.2	0.0	4169.2
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	9497.8	0.0	9497.8
	% Fixture	69.5	0.0	69.5
Total	Lumens	13667.0	0.0	13667.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.8	3.4
10°-20°	1004.2	7.3
20°-30°	1522.8	11.1
30°-40°	2200.2	16.1
40°-50°	2940.0	21.5
50°-60°	3281.7	24.0
60°-70°	1800.2	13.2
70°-80°	389.2	2.8
80°-90°	63.0	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°	13667.0	100.0
0°-180°	13667.0	100.0

Coefficient of Utilization



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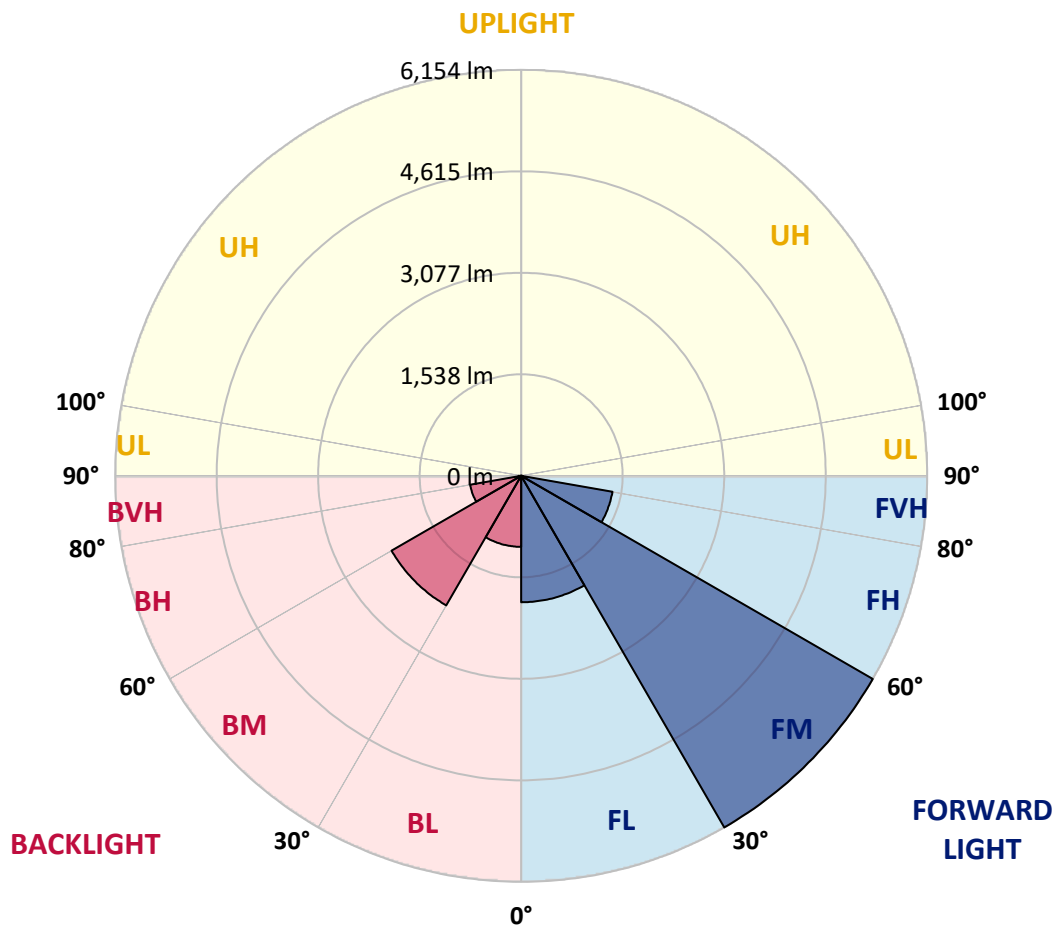
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1916.4	14.0			
FM	(30°-60°)	6153.5	45.0			
FH	(60°-80°)	1404.6	10.3			G1/1800
FVH	(80°-90°)	23.3	0.2			G1/100
BL	(0°-30°)	1076.4	7.9	B3/2500		
BM	(30°-60°)	2268.4	16.6	B2/2500		
BH	(60°-80°)	784.7	5.7	B2/1000		G2/1000
BVH	(80°-90°)	39.7	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°	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5
2.5°	6397.9	6362.0	6393.9	6545.5	6633.4	6693.2	6731.1	6725.2	6581.5	6441.8	6441.8
5°	6210.3	6164.4	6230.2	6573.5	6918.7	6948.7	6998.5	6916.7	6705.2	6449.8	6130.5
7.5°	5667.5	5701.4	5811.2	6262.2	6711.2	6936.7	6996.6	6892.8	6549.5	6072.6	5603.6
10°	5198.5	5278.3	5531.8	6018.7	6431.8	6725.2	6791.0	6645.3	6373.9	5789.2	5370.1
12.5°	5036.9	4987.0	5268.4	5755.3	6150.4	6308.1	6338.0	6348.0	6164.4	5645.5	5134.7
15°	5016.9	5048.9	5268.4	5637.6	5881.0	5889.0	5938.9	6016.7	6040.7	5743.3	5244.4
17.5°	5304.3	5266.4	5491.9	5785.2	5669.5	5553.7	5565.7	5677.5	5875.0	5827.1	5589.7
20°	5729.3	5815.2	5992.8	5962.8	5651.5	5358.2	5360.2	5465.9	5855.1	6174.4	6070.6
22.5°	6435.8	6519.6	6651.3	6290.1	5651.5	5300.3	5232.4	5376.1	5982.8	6587.5	6613.4
25°	7080.4	7234.0	7269.9	6844.9	5934.9	5354.2	5310.3	5452.0	6110.5	6990.6	7236.0
27.5°	7667.1	7722.9	7880.6	7202.1	6092.5	5390.1	5386.1	5567.7	6272.2	7192.1	7792.8
30°	8130.0	8124.1	8213.9	7427.6	6344.0	5591.7	5398.1	5741.3	6483.7	7525.4	8307.7
32.5°	8445.4	8513.2	8702.8	7740.9	6449.8	5783.2	5631.6	5944.9	6741.1	7683.0	8670.9
35°	9000.1	9117.9	8878.4	7914.5	6785.0	5972.8	5795.2	6222.3	6868.8	7854.7	9115.9
37.5°	9523.0	9433.2	9189.7	8008.3	7002.5	6324.0	6158.4	6759.1	7266.0	8227.8	9411.2
40°	9858.2	9856.2	9423.2	8084.2	7156.2	6860.9	6850.9	7303.9	7752.9	8463.3	9742.5
42.5°	10003.9	10143.6	9519.0	8076.2	7479.5	7511.4	7713.0	8118.1	8098.1	8511.2	9734.5
44°	10203.5	10287.3	9684.6	8094.1	7695.0	7950.4	8425.4	8682.8	8399.5	8485.3	9724.5
45°	10195.5	10201.5	9449.1	8118.1	7878.6	8317.6	8742.7	9177.7	8664.9	8429.4	9856.2
47.5°	9962.0	9894.2	9249.6	7940.5	8451.3	9287.5	9680.6	9944.0	8992.1	8309.7	9692.6
50°	9501.0	9423.2	8764.6	7864.6	8571.1	9890.2	10433.0	10528.8	9289.5	8191.9	9531.0
52.5°	9533.0	9511.0	8902.3	7978.4	8690.8	10079.7	10949.8	10973.8	9626.7	8439.4	9533.0
55°	10103.7	10027.9	9297.5	8120.1	8603.0	9858.2	10620.6	10578.6	9513.0	8289.7	9708.6
57.5°	9245.6	9295.5	8750.7	7559.3	7529.4	8014.3	8349.6	8245.8	7938.5	7481.5	9032.1
60°	7459.5	7601.2	7653.1	6322.0	5681.5	5432.0	5332.2	5148.6	5200.5	6146.4	7934.5
62.5°	6397.9	6389.9	6715.2	5731.3	3721.8	3200.9	3153.0	3194.9	3793.6	6050.6	7770.8
65°	5072.8	5208.5	5308.3	4857.3	2945.5	2376.8	2374.8	2640.2	3282.8	5056.8	6274.1
67.5°	3220.9	3398.5	3522.2	3107.1	1969.7	1692.3	1646.4	1965.7	2275.0	3316.7	3777.7
70°	1816.0	1899.8	1955.7	1792.0	1253.2	878.1	826.2	902.0	1375.0	2147.3	2239.1
72.5°	700.5	738.4	814.2	820.2	473.0	283.4	229.5	275.4	578.7	850.1	810.2
75°	107.8	115.7	163.6	195.6	135.7	103.8	109.8	113.7	161.6	219.5	183.6
77.5°	51.9	51.9	49.9	57.9	67.9	73.8	79.8	87.8	95.8	105.8	101.8
80°	33.9	33.9	33.9	39.9	49.9	59.9	67.9	71.8	75.8	83.8	79.8
82.5°	22.0	22.0	22.0	29.9	39.9	49.9	53.9	63.9	71.8	83.8	77.8
85°	12.0	12.0	12.0	20.0	29.9	41.9	39.9	31.9	18.0	2.0	4.0
87.5°	4.0	4.0	4.0	4.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5
2.5°	6274.1	6182.3	6174.4	5986.8	5819.2	5737.3	5671.5	5487.9	5527.8	5422.0	5420.0
5°	5970.8	5783.2	5479.9	5230.5	4981.0	4931.1	4713.6	4524.0	4530.0	4394.3	4418.2
7.5°	5426.0	5296.3	4927.1	4536.0	4204.7	3969.2	3763.7	3640.0	3482.3	3428.4	3400.5
10°	5080.8	4921.1	4506.1	4015.1	3644.0	3518.2	3320.7	3210.9	3049.3	2969.4	2913.6
12.5°	4929.1	4695.6	4176.8	3677.9	3430.4	3300.7	3133.1	2933.5	2741.9	2668.1	2566.3
15°	4945.1	4665.7	4081.0	3542.2	3244.8	2993.4	2843.7	2622.2	2426.6	2296.9	2223.1
17.5°	5186.5	4847.3	4124.9	3438.4	3011.4	2696.0	2402.7	2163.2	2007.6	1909.8	1885.8
20°	5757.3	5296.3	4198.7	3270.8	2777.9	2384.7	2023.5	1774.1	1654.3	1652.4	1654.3
22.5°	6232.2	5775.2	4348.4	3171.0	2544.4	1985.6	1626.4	1546.6	1522.6	1572.5	1578.5
25°	6872.8	6314.1	4605.8	3119.1	2328.9	1692.3	1470.8	1440.8	1438.8	1502.7	1504.7
27.5°	7529.4	6785.0	4759.5	2967.4	2109.3	1540.6	1377.0	1371.0	1402.9	1470.8	1464.8
30°	7976.4	7180.1	5036.9	2785.8	1849.9	1406.9	1339.0	1347.0	1390.9	1442.8	1450.8
32.5°	8497.2	7569.3	5108.7	2686.1	1690.3	1295.1	1247.2	1265.2	1321.1	1402.9	1446.8
35°	9093.9	7844.7	5218.5	2550.4	1630.4	1209.3	1185.4	1205.3	1273.2	1327.1	1375.0
37.5°	9534.9	8331.6	5238.4	2444.6	1564.5	1161.4	1123.5	1189.4	1229.3	1305.1	1329.1
40°	9862.2	8684.8	5290.3	2378.7	1512.7	1099.6	1099.6	1143.5	1197.4	1267.2	1315.1
42.5°	10071.8	8942.3	5328.2	2318.9	1412.9	1081.6	1071.6	1115.5	1187.4	1255.2	1277.2
44°	10199.5	9052.0	5290.3	2263.0	1384.9	1059.7	1059.7	1097.6	1153.5	1233.3	1259.2
45°	10231.4	9189.7	5206.5	2261.0	1351.0	1033.7	1029.7	1101.6	1139.5	1237.3	1253.2
47.5°	10355.1	9359.3	5216.5	2197.1	1269.2	971.9	1041.7	1073.6	1107.6	1193.4	1247.2
50°	10351.1	9465.1	5194.5	2103.4	1209.3	902.0	1017.8	1053.7	1087.6	1175.4	1197.4
52.5°	10379.1	9860.2	5396.1	1953.7	1101.6	812.2	937.9	1017.8	1059.7	1133.5	1179.4
55°	10365.1	10085.7	5595.6	1841.9	949.9	758.3	870.1	963.9	1023.7	1101.6	1123.5
57.5°	9467.1	8914.3	5178.6	1632.4	786.3	694.5	774.3	908.0	983.8	1063.7	1091.6
60°	7734.9	6870.8	4270.6	1201.3	646.6	638.6	720.4	890.0	922.0	991.8	1039.7
62.5°	7148.2	6026.7	3386.5	918.0	552.8	584.7	664.5	804.2	854.1	939.9	983.8
65°	5593.6	4003.2	2097.4	620.6	486.9	524.8	600.7	704.4	786.3	866.1	918.0
67.5°	3312.7	2187.2	1037.7	435.0	425.1	465.0	542.8	620.6	714.4	802.2	828.2
70°	1804.0	1075.6	443.0	331.3	361.2	397.1	473.0	526.8	616.6	684.5	728.4
72.5°	578.7	327.3	221.5	245.5	275.4	317.3	363.2	429.1	492.9	532.8	568.7
75°	139.7	137.7	157.7	171.6	199.6	231.5	269.4	303.3	353.2	391.1	423.1
77.5°	97.8	105.8	121.7	141.7	151.7	163.6	187.6	213.5	235.5	263.4	283.4
80°	75.8	81.8	93.8	103.8	113.7	123.7	135.7	145.7	159.6	177.6	187.6
82.5°	71.8	75.8	87.8	93.8	89.8	87.8	95.8	99.8	101.8	107.8	113.7
85°	6.0	0.0	4.0	14.0	33.9	49.9	53.9	53.9	51.9	55.9	55.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	8.0	6.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5
2.5°	5396.1	5328.2	5354.2	5386.1	5340.2	5234.4	5262.4	5250.4	5358.2	5350.2	5457.9
5°	4524.0	4418.2	4430.2	4585.9	4536.0	4589.9	4482.1	4468.1	4488.1	4498.1	4516.0
7.5°	3462.4	3448.4	3568.1	3699.8	3761.7	3697.8	3592.1	3568.1	3546.2	3502.3	3602.0
10°	2825.8	2829.8	2821.8	2921.5	2991.4	2977.4	2913.6	2905.6	2863.7	2847.7	2903.6
12.5°	2522.4	2468.5	2442.6	2410.7	2464.6	2500.5	2472.5	2452.6	2454.6	2474.5	2482.5
15°	2229.1	2195.2	2139.3	2103.4	2129.3	2111.3	2101.4	2141.3	2131.3	2127.3	2175.2
17.5°	1899.8	1927.7	1923.8	1883.8	1917.8	1903.8	1901.8	1873.9	1835.9	1808.0	1824.0
20°	1682.3	1734.2	1774.1	1776.1	1794.0	1792.0	1762.1	1676.3	1648.4	1642.4	1646.4
22.5°	1604.5	1632.4	1680.3	1748.1	1748.1	1716.2	1680.3	1580.5	1554.6	1526.6	1514.7
25°	1542.6	1596.5	1658.3	1666.3	1698.3	1668.3	1610.4	1560.6	1506.7	1468.8	1468.8
27.5°	1510.7	1570.5	1616.4	1630.4	1674.3	1650.4	1590.5	1526.6	1462.8	1460.8	1426.8
30°	1496.7	1552.6	1582.5	1616.4	1636.4	1598.5	1580.5	1512.7	1448.8	1432.8	1377.0
32.5°	1454.8	1534.6	1590.5	1582.5	1598.5	1582.5	1556.6	1500.7	1428.8	1392.9	1386.9
35°	1406.9	1486.7	1546.6	1588.5	1598.5	1564.5	1548.6	1472.7	1375.0	1357.0	1295.1
37.5°	1381.0	1428.8	1502.7	1570.5	1584.5	1566.5	1512.7	1434.8	1337.0	1317.1	1263.2
40°	1349.0	1410.9	1468.8	1524.6	1566.5	1522.6	1460.8	1384.9	1341.0	1281.2	1265.2
42.5°	1325.1	1394.9	1442.8	1504.7	1552.6	1494.7	1422.9	1371.0	1309.1	1269.2	1223.3
44°	1317.1	1381.0	1412.9	1488.7	1528.6	1484.7	1424.9	1371.0	1299.1	1263.2	1223.3
45°	1289.2	1377.0	1410.9	1478.7	1512.7	1476.7	1400.9	1347.0	1295.1	1251.2	1209.3
47.5°	1261.2	1321.1	1379.0	1432.8	1456.8	1444.8	1381.0	1315.1	1253.2	1227.3	1187.4
50°	1253.2	1313.1	1367.0	1416.9	1444.8	1420.9	1363.0	1299.1	1227.3	1185.4	1151.5
52.5°	1213.3	1287.2	1347.0	1363.0	1398.9	1384.9	1341.0	1271.2	1203.3	1167.4	1139.5
55°	1155.4	1233.3	1315.1	1335.1	1386.9	1365.0	1299.1	1233.3	1175.4	1121.5	1085.6
57.5°	1133.5	1209.3	1289.2	1315.1	1347.0	1311.1	1295.1	1225.3	1133.5	1105.6	1049.7
60°	1077.6	1173.4	1239.3	1299.1	1301.1	1291.1	1263.2	1183.4	1107.6	1055.7	1015.8
62.5°	1033.7	1123.5	1175.4	1231.3	1265.2	1237.3	1209.3	1135.5	1053.7	995.8	949.9
65°	969.9	1051.7	1095.6	1129.5	1167.4	1163.4	1115.5	1061.7	975.8	929.9	886.0
67.5°	872.1	943.9	1003.8	1035.7	1059.7	1053.7	1017.8	979.8	892.0	846.1	814.2
70°	754.3	828.2	866.1	884.0	908.0	920.0	892.0	874.1	796.2	736.4	706.4
72.5°	606.7	654.6	710.4	726.4	736.4	744.4	744.4	728.4	648.6	624.6	572.7
75°	447.0	484.9	526.8	526.8	544.8	546.8	550.8	540.8	480.9	449.0	437.0
77.5°	303.3	331.3	365.2	379.2	391.1	389.1	387.1	359.2	327.3	313.3	301.3
80°	197.6	225.5	241.5	259.4	271.4	269.4	273.4	253.4	239.5	215.5	219.5
82.5°	117.7	139.7	155.7	177.6	177.6	183.6	183.6	177.6	163.6	151.7	151.7
85°	55.9	73.8	83.8	97.8	105.8	107.8	95.8	81.8	67.9	61.9	67.9
87.5°	10.0	14.0	20.0	18.0	22.0	20.0	20.0	20.0	20.0	16.0	18.0
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: P528808

CATALOG NUMBER: GALN-SA3D-830-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5	6096.5
2.5°	5418.0	5517.8	5587.7	5703.4	5903.0	6062.6	6226.3	6348.0	6362.0	6397.9
5°	4581.9	4635.8	4813.4	5044.9	5208.5	5477.9	5651.5	5966.8	6084.6	6210.3
7.5°	3578.1	3665.9	3903.4	4059.0	4418.2	4755.5	5104.7	5493.9	5649.5	5667.5
10°	3017.3	3145.1	3306.7	3556.1	3751.7	4126.9	4561.9	4995.0	5168.6	5198.5
12.5°	2650.1	2813.8	3029.3	3208.9	3396.5	3723.8	4140.9	4675.7	4901.2	5036.9
15°	2296.9	2466.6	2704.0	2953.5	3119.1	3510.2	4001.2	4603.8	4897.2	5016.9
17.5°	1933.7	2091.4	2287.0	2556.4	2889.6	3328.7	3979.2	4843.3	5164.6	5304.3
20°	1622.4	1710.2	1937.7	2215.1	2632.2	3143.1	3987.2	5196.5	5667.5	5729.3
22.5°	1500.7	1520.6	1610.4	1865.9	2322.9	2953.5	4128.9	5697.4	6232.2	6435.8
25°	1406.9	1402.9	1426.8	1598.5	2097.4	2879.6	4268.6	6158.4	6858.9	7080.4
27.5°	1355.0	1315.1	1317.1	1478.7	1937.7	2759.9	4448.2	6687.2	7569.3	7667.1
30°	1329.1	1321.1	1297.1	1363.0	1764.1	2580.3	4478.1	7208.1	7988.4	8130.0
32.5°	1313.1	1235.3	1205.3	1229.3	1600.5	2384.7	4589.9	7551.3	8507.2	8445.4
35°	1233.3	1163.4	1143.5	1167.4	1484.7	2275.0	4516.0	7850.7	8896.4	9000.1
37.5°	1203.3	1141.5	1101.6	1081.6	1377.0	2183.2	4478.1	8311.6	9273.5	9523.0
40°	1175.4	1109.6	1061.7	1041.7	1293.1	2061.4	4466.1	8666.9	9708.6	9858.2
42.5°	1143.5	1101.6	1047.7	1011.8	1191.4	1939.7	4328.4	8776.6	9842.3	10003.9
44°	1133.5	1069.6	1013.8	1001.8	1151.5	1877.9	4300.5	8876.4	9958.0	10203.5
45°	1123.5	1063.7	999.8	983.8	1137.5	1843.9	4262.6	8900.3	10149.6	10195.5
47.5°	1095.6	1057.7	995.8	951.9	1107.6	1770.1	4148.8	8764.6	9954.0	9962.0
50°	1073.6	1029.7	965.9	880.1	1067.6	1708.2	4200.7	8714.8	9483.1	9501.0
52.5°	1049.7	983.8	947.9	800.2	1001.8	1656.3	4310.5	8940.3	9536.9	9533.0
55°	1021.7	949.9	862.1	732.4	892.0	1590.5	4575.9	9385.3	10035.8	10103.7
57.5°	977.8	916.0	790.3	672.5	766.3	1464.8	4490.1	8533.2	9233.6	9245.6
60°	920.0	862.1	716.4	626.6	628.6	1155.4	4015.1	6649.3	7285.9	7459.5
62.5°	864.1	832.2	654.6	560.8	534.8	920.0	3394.5	5525.8	6254.2	6397.9
65°	798.2	720.4	600.7	510.9	459.0	644.6	2404.7	4128.9	4879.2	5072.8
67.5°	714.4	630.6	528.8	449.0	393.1	431.0	1241.3	2346.8	3107.1	3220.9
70°	624.6	546.8	445.0	379.2	317.3	297.3	546.8	1119.5	1698.3	1816.0
72.5°	512.9	441.0	355.2	299.3	237.5	205.5	183.6	299.3	602.7	700.5
75°	371.2	321.3	267.4	213.5	167.6	131.7	107.8	89.8	99.8	107.8
77.5°	273.4	233.5	197.6	151.7	117.7	93.8	73.8	55.9	53.9	51.9
80°	213.5	189.6	157.7	121.7	91.8	69.8	51.9	37.9	33.9	33.9
82.5°	167.6	155.7	129.7	99.8	75.8	55.9	37.9	25.9	22.0	22.0
85°	63.9	63.9	93.8	81.8	57.9	39.9	25.9	14.0	12.0	12.0
87.5°	16.0	16.0	16.0	16.0	14.0	12.0	12.0	6.0	4.0	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)