

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: P452844

Luminaire Tested: **GALN-SA3D-750-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3D-750-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19906 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

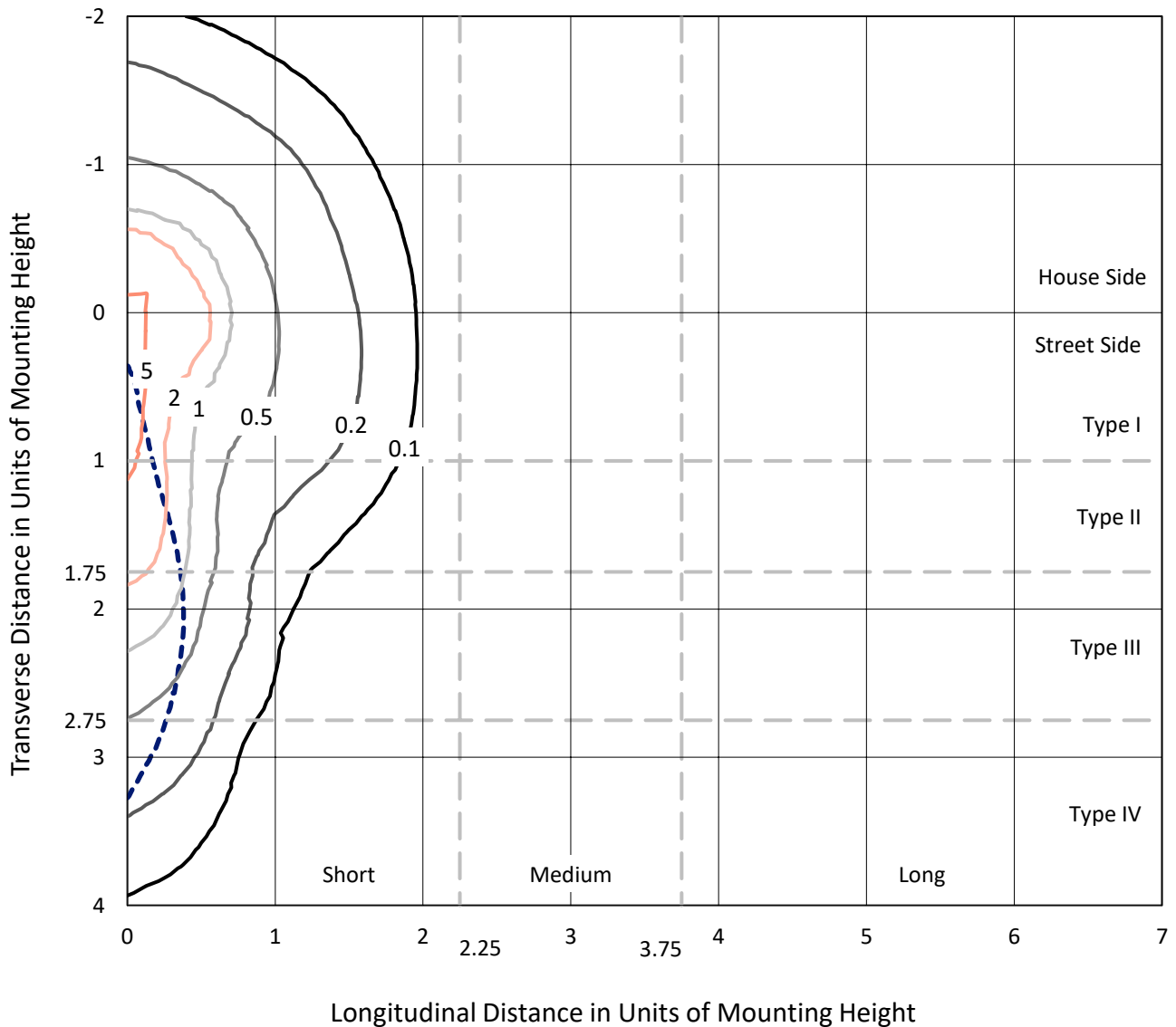
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

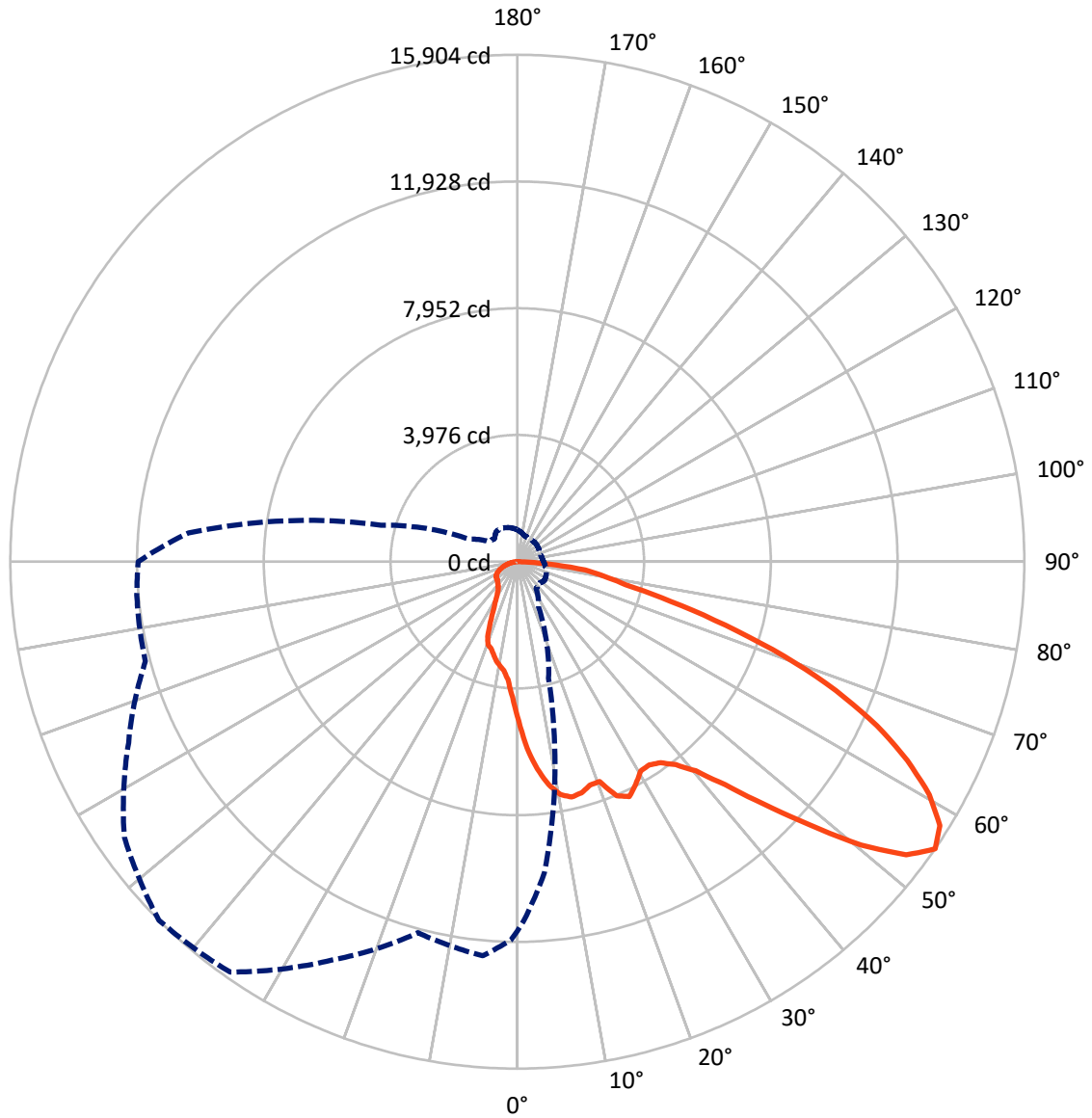
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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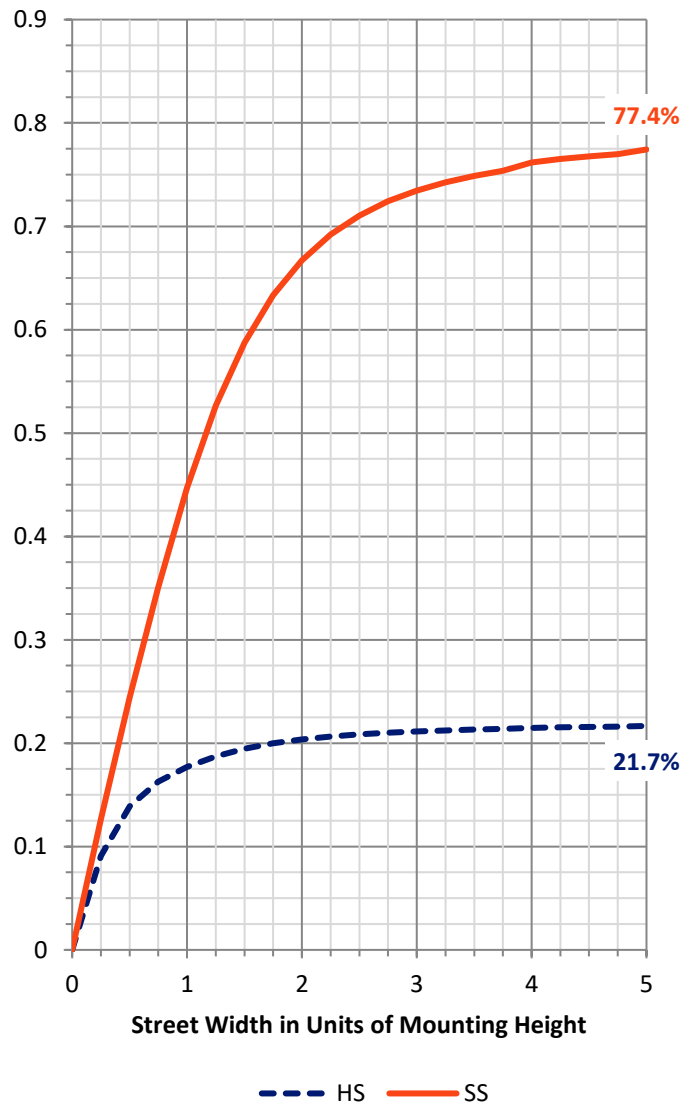
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4354.3	0.0	4354.3
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	15551.7	0.0	15551.7
	% Fixture	78.1	0.0	78.1
Total	Lumens	19906.0	0.0	19906.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.4	2.1
10°-20°	1123.3	5.6
20°-30°	1940.5	9.7
30°-40°	2255.2	11.3
40°-50°	3146.4	15.8
50°-60°	4269.4	21.4
60°-70°	4061.8	20.4
70°-80°	2194.3	11.0
80°-90°	491.8	2.5
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°	19906.0	100.0
0°-180°	19906.0	100.0



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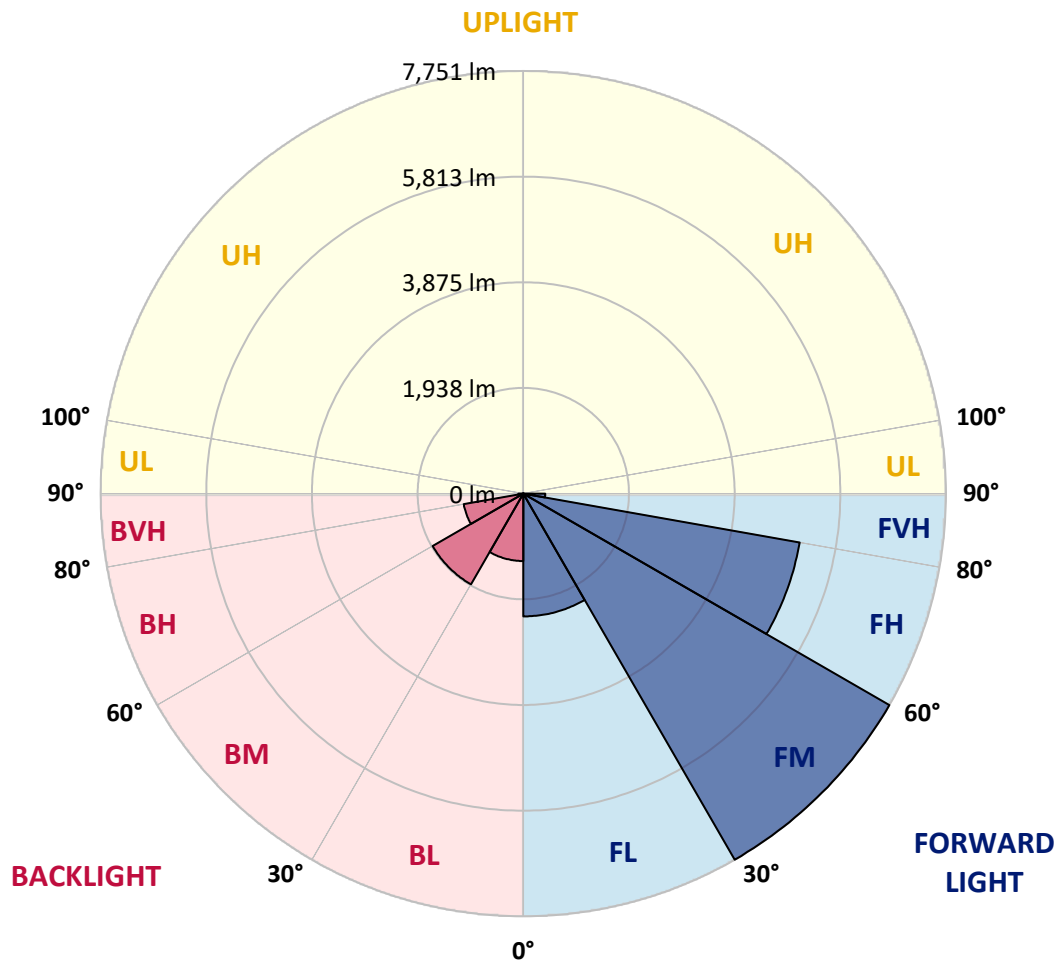
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2251.4	11.3			
FM	(30°-60°)	7751.0	38.9			
FH	(60°-80°)	5147.4	25.9			G3/7500
FVH	(80°-90°)	401.9	2.0			G3/500
BL	(0°-30°)	1235.8	6.2	B3/2500		
BM	(30°-60°)	1920.0	9.6	B2/2500		
BH	(60°-80°)	1108.7	5.6	B3/2500		G3/2500
BVH	(80°-90°)	89.9	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6
2.5°	5549.8	5528.8	5469.7	5314.7	5158.5	4999.6	4877.4	4725.1	4566.2	4480.8	4371.8
5°	5626.0	5602.4	5463.1	5113.8	4797.3	4465.1	4199.8	3967.3	3872.8	3733.6	3622.0
7.5°	5447.4	5436.9	5228.1	4726.4	4293.0	3858.3	3557.6	3371.1	3201.7	3138.7	3151.8
10°	5284.5	5242.5	4981.2	4325.9	3820.3	3467.0	3251.6	3069.1	2949.6	2918.1	2924.6
12.5°	5149.3	5092.8	4784.2	4056.6	3614.1	3331.7	3057.3	2866.8	2757.8	2788.0	2890.5
15°	5121.7	5045.5	4701.5	3964.7	3501.1	3137.4	2836.6	2617.3	2535.9	2601.6	2765.7
17.5°	5300.3	5204.4	4843.3	3994.9	3393.5	2939.1	2570.0	2319.2	2250.9	2356.0	2570.0
20°	5874.2	5732.4	5285.9	4169.6	3382.9	2840.6	2415.1	2162.9	2191.8	2391.4	2614.7
22.5°	6935.3	6722.6	6060.7	4424.4	3438.1	2815.6	2383.6	2252.2	2411.1	2580.5	2727.6
25°	7145.4	6978.6	6199.9	4482.1	3426.3	2798.5	2472.9	2538.5	2715.8	2799.9	2748.6
27.5°	7263.6	7073.2	6190.7	4195.9	3063.8	2538.5	2363.9	2472.9	2517.5	2436.1	2296.9
30°	7539.4	7341.1	6347.0	3895.1	2522.8	1883.2	1650.8	1606.1	1636.3	1652.1	1602.2
32.5°	7918.9	7723.3	6641.1	3698.1	2181.3	1557.5	1329.0	1266.0	1251.5	1234.5	1214.8
35°	8410.1	8109.4	6930.1	3572.1	2040.8	1440.6	1230.5	1181.9	1162.2	1138.6	1117.6
37.5°	8909.1	8594.0	7295.1	3439.4	1947.6	1359.2	1164.9	1142.5	1108.4	1083.4	1053.2
40°	9439.7	9086.4	7627.4	3323.9	1856.9	1306.7	1117.6	1115.0	1070.3	1041.4	1006.0
42.5°	9899.3	9535.6	7924.2	3252.9	1787.3	1251.5	1088.7	1096.6	1050.6	1007.3	961.3
45°	10264.4	9907.2	8198.7	3252.9	1730.9	1196.4	1083.4	1078.2	1032.2	978.4	925.8
47.5°	10584.8	10215.8	8466.6	3335.7	1695.4	1150.4	1054.5	1063.7	1016.5	948.2	897.0
50°	10833.1	10507.4	8827.7	3464.4	1660.0	1113.6	1017.8	1067.7	1003.3	932.4	873.3
52.5°	11149.5	10858.0	9262.4	3640.3	1629.8	1072.9	984.9	1067.7	1002.0	933.7	869.4
55°	11588.2	11280.9	9786.4	3786.1	1581.2	1034.8	956.1	1037.5	998.1	927.2	858.9
57.5°	11895.5	11665.7	10156.7	3883.3	1511.6	986.3	929.8	1008.6	981.0	902.2	827.4
58°	11909.9	11685.4	10210.6	3905.6	1494.5	977.1	923.2	995.4	973.1	891.7	816.8
60°	11744.5	11551.4	10221.1	3874.1	1397.3	931.1	889.1	941.6	931.1	830.0	760.4
62.5°	11143.0	10936.8	9796.9	3618.0	1268.6	874.6	836.5	869.4	845.7	743.3	679.0
65°	10288.1	9908.5	8924.9	3216.2	1176.7	814.2	765.6	768.3	743.3	669.8	613.3
67.5°	9149.5	8725.3	7556.5	2710.6	1107.1	747.2	681.6	675.0	644.8	597.5	551.6
70°	7748.2	7458.0	6140.8	2205.0	1029.6	673.7	587.0	583.1	564.7	529.2	488.5
72.5°	6280.0	5911.0	4958.9	1765.0	935.0	602.8	499.0	506.9	483.3	458.3	421.6
75°	4634.5	4392.8	3833.4	1415.7	807.7	525.3	416.3	418.9	408.4	382.2	353.3
77.5°	3052.0	2979.8	2742.1	929.8	621.2	417.6	340.1	342.8	334.9	311.2	281.0
80°	2053.9	2005.3	1858.3	598.8	415.0	302.0	262.7	265.3	264.0	239.0	198.3
82.5°	1266.0	1245.0	1197.7	404.5	287.6	216.7	173.3	181.2	195.7	168.1	135.3
85°	597.5	598.8	723.6	220.6	169.4	139.2	94.6	101.1	101.1	101.1	76.2
87.5°	77.5	81.4	99.8	93.2	61.7	52.5	34.1	28.9	25.0	32.8	23.6
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°	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6
2.5°	4333.7	4307.5	4251.0	4237.9	4230.0	4252.3	4193.2	4209.0	4182.7	4256.3	4244.4
5°	3628.5	3631.2	3677.1	3707.3	3717.8	3707.3	3667.9	3599.6	3547.1	3526.1	3531.3
7.5°	3126.9	3172.8	3251.6	3339.6	3419.7	3443.4	3421.0	3291.0	3149.2	3059.9	3031.0
10°	2960.1	3021.8	3112.4	3182.0	3252.9	3309.4	3321.2	3220.1	3052.0	2840.6	2757.8
12.5°	2969.3	3053.3	3140.0	3162.3	3155.8	3178.1	3167.6	3150.5	3040.2	2771.0	2633.1
15°	2882.6	2982.4	3042.8	3031.0	3010.0	2990.3	2962.7	2919.4	2880.0	2690.9	2538.5
17.5°	2683.0	2785.4	2835.3	2839.3	2839.3	2834.0	2767.0	2751.3	2746.0	2654.1	2560.9
20°	2719.8	2776.2	2753.9	2717.1	2727.6	2763.1	2723.7	2715.8	2746.0	2786.7	2769.7
22.5°	2740.8	2721.1	2553.0	2390.1	2353.4	2463.7	2486.0	2574.0	2696.1	2843.2	2939.1
25°	2610.8	2451.9	2151.1	1967.3	1863.5	1965.9	2099.9	2262.7	2445.3	2634.4	2746.0
27.5°	2182.6	2061.8	1846.4	1681.0	1590.4	1606.1	1720.4	1868.8	2038.2	2165.6	2247.0
30°	1644.2	1590.4	1478.7	1422.3	1367.1	1354.0	1402.6	1459.0	1533.9	1549.6	1570.7
32.5°	1210.8	1202.9	1209.5	1191.1	1180.6	1179.3	1164.9	1178.0	1185.9	1195.1	1176.7
35°	1095.3	1084.8	1066.4	1061.1	1054.5	1057.2	1050.6	1044.0	1049.3	1057.2	1062.4
37.5°	1036.2	1020.4	994.1	984.9	984.9	988.9	978.4	975.7	984.9	1009.9	1023.0
40°	990.2	971.8	941.6	929.8	937.7	948.2	933.7	928.5	950.8	977.1	998.1
42.5°	946.9	932.4	903.5	890.4	897.0	916.7	895.6	891.7	920.6	949.5	974.4
45°	910.1	895.6	869.4	862.8	865.4	883.8	869.4	869.4	897.0	928.5	950.8
47.5°	881.2	862.8	845.7	840.5	843.1	853.6	851.0	851.0	877.3	910.1	932.4
50°	852.3	836.5	814.2	816.8	823.4	837.9	836.5	840.5	866.7	907.5	931.1
52.5°	839.2	815.5	790.6	793.2	812.9	830.0	824.7	828.7	858.9	935.0	969.2
55°	824.7	793.2	764.3	768.3	790.6	815.5	809.0	814.2	849.7	953.4	1000.7
57.5°	797.1	760.4	728.9	731.5	764.3	790.6	780.1	786.6	828.7	933.7	983.6
58°	785.3	753.8	723.6	724.9	756.4	785.3	773.5	778.8	822.1	928.5	975.7
60°	735.4	717.0	690.8	692.1	722.3	747.2	740.7	745.9	788.0	890.4	925.8
62.5°	667.1	656.6	650.1	650.1	668.4	692.1	698.7	705.2	743.3	805.0	836.5
65°	593.6	593.6	594.9	594.9	606.7	636.9	640.9	657.9	693.4	723.6	747.2
67.5°	543.7	541.1	543.7	537.1	542.4	560.8	580.5	596.2	633.0	654.0	661.9
70°	479.3	478.0	479.3	470.1	476.7	492.5	505.6	531.9	570.0	585.7	589.7
72.5°	416.3	416.3	418.9	412.4	412.4	429.4	438.6	467.5	503.0	512.2	513.5
75°	350.6	354.6	354.6	345.4	348.0	358.5	370.3	394.0	426.8	433.4	433.4
77.5°	278.4	292.9	292.9	283.7	287.6	288.9	304.7	316.5	341.4	344.1	333.6
80°	202.2	216.7	228.5	220.6	227.2	219.3	228.5	236.4	261.3	249.5	232.4
82.5°	144.5	155.0	164.2	165.5	158.9	144.5	156.3	157.6	169.4	153.7	144.5
85°	80.1	89.3	101.1	95.9	85.4	76.2	80.1	82.7	81.4	77.5	72.2
87.5°	21.0	22.3	25.0	18.4	17.1	14.4	19.7	19.7	22.3	23.6	22.3
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°	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6
2.5°	4253.6	4311.4	4436.2	4530.7	4646.3	4786.8	4952.3	5119.1	5299.0	5355.5	5434.3
5°	3519.5	3664.0	3724.4	3896.4	4067.2	4323.2	4596.4	4912.9	5259.6	5426.4	5586.6
7.5°	3007.4	3084.8	3147.9	3273.9	3478.8	3790.1	4132.8	4528.1	5019.3	5262.2	5497.3
10°	2731.6	2739.5	2816.9	2973.2	3151.8	3426.3	3750.7	4193.2	4740.9	5036.3	5312.1
12.5°	2549.0	2514.9	2598.9	2761.8	2964.0	3217.5	3515.6	3937.1	4539.9	4843.3	5176.9
15°	2388.8	2335.0	2398.0	2564.8	2764.4	3062.5	3382.9	3829.5	4461.1	4814.4	5184.7
17.5°	2392.8	2244.4	2266.7	2407.2	2605.5	2908.9	3297.6	3825.5	4580.6	4987.7	5426.4
20°	2688.2	2450.5	2349.4	2375.7	2567.4	2898.4	3337.0	4009.4	4973.3	5566.9	6035.7
22.5°	2978.5	2835.3	2672.5	2618.6	2723.7	3070.4	3587.8	4444.1	5826.9	6721.2	7568.3
25°	2877.3	2999.5	2958.8	2882.6	2906.2	3193.8	3758.5	4801.3	6490.1	7497.4	8293.2
27.5°	2302.1	2524.1	2568.7	2567.4	2576.6	2813.0	3380.3	4560.9	6572.8	7645.8	8406.2
30°	1617.9	1637.6	1661.3	1707.2	1749.3	1960.7	2644.9	4004.1	6536.1	7712.8	8474.4
32.5°	1167.5	1193.8	1226.6	1289.6	1389.4	1658.6	2314.0	3826.8	6730.4	7989.9	8674.1
35°	1067.7	1097.9	1129.4	1201.6	1296.2	1545.7	2182.6	3753.3	7049.6	8439.0	9032.6
37.5°	1036.2	1070.3	1097.9	1150.4	1226.6	1464.3	2063.1	3703.4	7376.6	8914.4	9513.2
40°	1013.8	1053.2	1075.6	1117.6	1170.1	1389.4	1956.8	3664.0	7693.1	9349.1	9899.3
42.5°	994.1	1034.8	1063.7	1093.9	1137.3	1322.4	1862.2	3624.6	7967.5	9770.6	10284.1
45°	970.5	1021.7	1058.5	1082.1	1120.2	1266.0	1790.0	3593.1	8280.1	10144.9	10672.8
47.5°	950.8	1007.3	1053.2	1080.8	1095.3	1226.6	1732.2	3636.4	8655.7	10536.3	11034.0
50°	952.1	1006.0	1063.7	1107.1	1069.0	1193.8	1696.7	3808.4	9144.2	11001.2	11319.0
52.5°	994.1	1059.8	1105.8	1116.3	1032.2	1154.4	1678.3	4109.2	9722.0	11412.2	11606.6
55°	1041.4	1109.7	1159.6	1153.0	1012.5	1104.4	1674.4	4429.6	10355.0	11891.5	11980.8
57.5°	1024.3	1124.1	1200.3	1166.2	1013.8	1055.9	1657.3	4688.3	10884.3	12250.1	12351.2
58°	1019.1	1118.9	1205.6	1163.5	1009.9	1041.4	1653.4	4710.7	10957.8	12275.0	12403.7
60°	967.9	1072.9	1201.6	1143.8	987.6	1002.0	1610.1	4782.9	10938.1	12146.3	12435.2
62.5°	874.6	961.3	1111.0	1048.0	919.3	949.5	1512.9	4693.6	10404.9	11526.5	11974.3
65°	769.6	833.9	933.7	921.9	822.1	895.6	1380.2	4340.3	9337.3	10520.5	10992.0
67.5°	690.8	743.3	806.3	789.3	739.4	823.4	1237.1	3742.8	8139.6	9312.3	9905.9
70°	610.7	651.4	682.9	671.1	655.3	752.5	1109.7	3037.6	6991.8	8164.5	8739.7
72.5°	529.2	567.3	593.6	576.5	567.3	677.6	1006.0	2357.3	5522.2	6735.7	7475.1
75°	442.6	480.7	499.0	479.3	474.1	597.5	852.3	1761.1	4143.3	5192.6	5830.9
77.5°	342.8	383.5	407.1	400.5	403.2	491.2	688.1	1205.6	2962.7	3539.2	4211.6
80°	240.3	285.0	300.7	294.2	312.6	374.3	485.9	765.6	2043.4	2296.9	2771.0
82.5°	148.4	190.4	193.0	199.6	212.7	277.1	366.4	466.2	1283.1	1326.4	1670.5
85°	74.9	90.6	97.2	107.7	119.5	169.4	208.8	288.9	826.0	625.1	933.7
87.5°	25.0	26.3	31.5	39.4	48.6	69.6	89.3	118.2	204.9	112.9	288.9
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: P452844

CATALOG NUMBER: GALN-SA3D-750-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6	4995.6
2.5°	5593.2	5704.8	5786.2	5861.1	5788.8	5782.3	5711.4	5597.1	5549.8	5549.8
5°	5922.8	6184.1	6395.6	6530.8	6473.0	6333.8	6104.0	5811.2	5653.6	5626.0
7.5°	6013.4	6529.5	6922.2	7061.4	6964.2	6656.9	6217.0	5723.2	5497.3	5447.4
10°	5958.2	6629.3	7205.8	7426.5	7291.2	6826.3	6226.1	5620.7	5342.3	5284.5
12.5°	5900.5	6642.5	7258.4	7577.5	7489.5	6962.9	6293.1	5553.8	5232.0	5149.3
15°	5942.5	6647.7	7194.0	7523.6	7580.1	7127.0	6403.4	5602.4	5209.7	5121.7
17.5°	6207.8	6747.5	7102.1	7368.7	7567.0	7350.3	6717.3	5834.8	5409.3	5300.3
20°	6762.0	6986.5	7154.6	7360.8	7679.9	7806.0	7359.5	6473.0	5970.1	5874.2
22.5°	8366.8	8326.0	7982.0	7978.0	8440.3	8945.9	8915.7	7770.5	7014.1	6935.3
25°	8968.2	8779.1	8281.4	8160.6	8364.1	9144.2	9031.3	8035.8	7337.2	7145.4
27.5°	8733.2	8264.3	7937.3	7909.7	7842.8	8579.5	8851.4	8143.5	7450.1	7263.6
30°	8718.7	8029.3	7561.7	7616.9	7681.2	8385.1	8951.2	8481.0	7739.0	7539.4
32.5°	8754.2	8062.1	7589.3	7599.8	7791.6	8414.0	9061.5	8848.7	8118.6	7918.9
35°	8897.3	8248.6	7765.3	7740.3	8039.8	8603.1	9249.3	9426.6	8637.3	8410.1
37.5°	9128.4	8620.2	8087.0	8080.5	8515.2	8944.6	9483.0	10009.6	9153.4	8909.1
40°	9468.6	9054.9	8659.6	8624.2	9161.3	9500.1	9786.4	10630.8	9753.6	9439.7
42.5°	9879.6	9576.3	9414.7	9555.3	10071.4	10123.9	10259.2	11204.7	10264.4	9899.3
45°	10260.5	10246.0	10470.6	10843.6	11144.3	10829.1	10752.9	11589.5	10661.0	10264.4
47.5°	10713.5	11104.9	11782.5	12328.9	12644.0	11649.9	11174.5	11840.3	10949.9	10584.8
50°	11173.2	12133.2	13215.3	13977.0	14044.0	12541.6	11464.7	12076.7	11212.6	10833.1
52.5°	11656.5	12954.0	14394.6	15279.7	15149.7	13317.7	11745.8	12236.9	11483.1	11149.5
55°	12076.7	13456.9	15053.9	15903.5	15713.1	13790.5	12049.1	12410.3	11869.2	11588.2
57.5°	12311.8	13499.0	14889.7	15631.7	15425.5	13698.6	12188.3	12539.0	12116.1	11895.5
58°	12345.9	13442.5	14743.9	15474.1	15264.0	13621.1	12187.0	12533.7	12131.9	11909.9
60°	12315.7	13076.1	14201.6	14851.6	14631.0	13135.2	12137.1	12435.2	11932.3	11744.5
62.5°	12036.0	12440.5	13265.2	13738.0	13674.9	12376.1	11932.3	12063.6	11324.2	11143.0
65°	11668.3	11573.7	12066.2	12401.1	12448.4	11807.5	11728.7	11259.9	10544.1	10288.1
67.5°	11221.8	10591.4	10590.1	10780.5	10859.3	10932.9	11304.5	10386.5	9420.0	9149.5
70°	10464.0	9077.2	8659.6	8884.2	8818.5	9439.7	10546.8	9160.0	8064.7	7748.2
72.5°	9074.6	7203.2	6534.8	6823.7	6658.2	7402.8	9228.3	7538.1	6668.7	6280.0
75°	7355.6	5388.3	4698.8	4964.1	4861.7	5615.5	7678.6	5475.0	4782.9	4634.5
77.5°	5711.4	3904.3	3503.8	3467.0	3543.2	4178.8	5632.6	3696.8	3153.1	3052.0
80°	3669.2	2794.6	2818.2	2771.0	2810.4	2634.4	3419.7	2358.6	2135.4	2053.9
82.5°	2415.1	1947.6	2321.8	2143.2	2035.5	1771.6	2243.0	1544.4	1310.6	1266.0
85°	1645.5	1434.1	1305.4	998.1	1175.4	1364.5	1682.3	831.3	659.3	597.5
87.5°	743.3	499.0	366.4	225.9	357.2	412.4	816.8	97.2	74.9	77.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)