

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: P454787

Luminaire Tested: **GALN-SA5D-830-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454787
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-SA5D-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3000K, 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: 26536 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

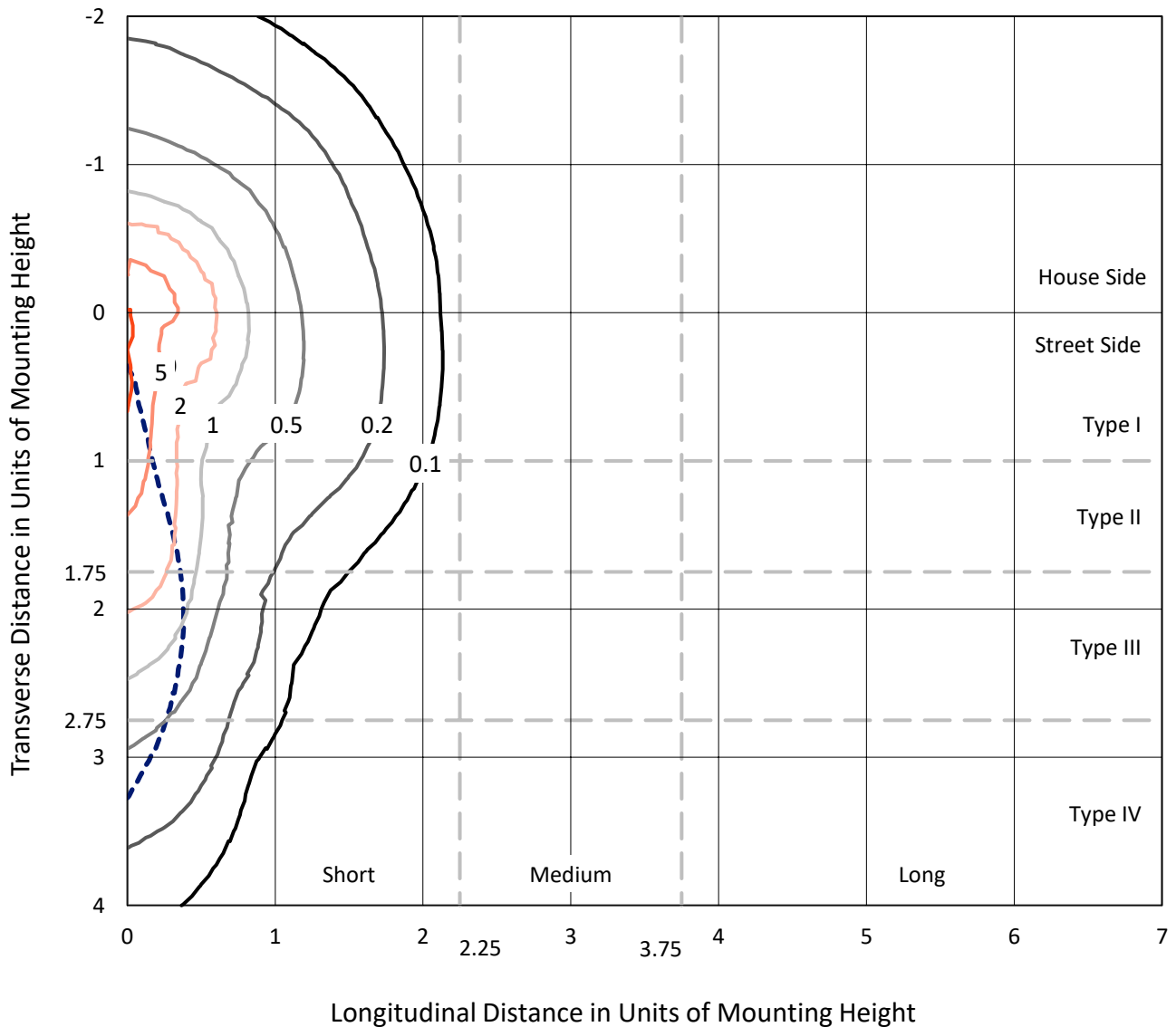
Input Watts (W): 309
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P454787
 CATALOG NUMBER: GALN-SA5D-830-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

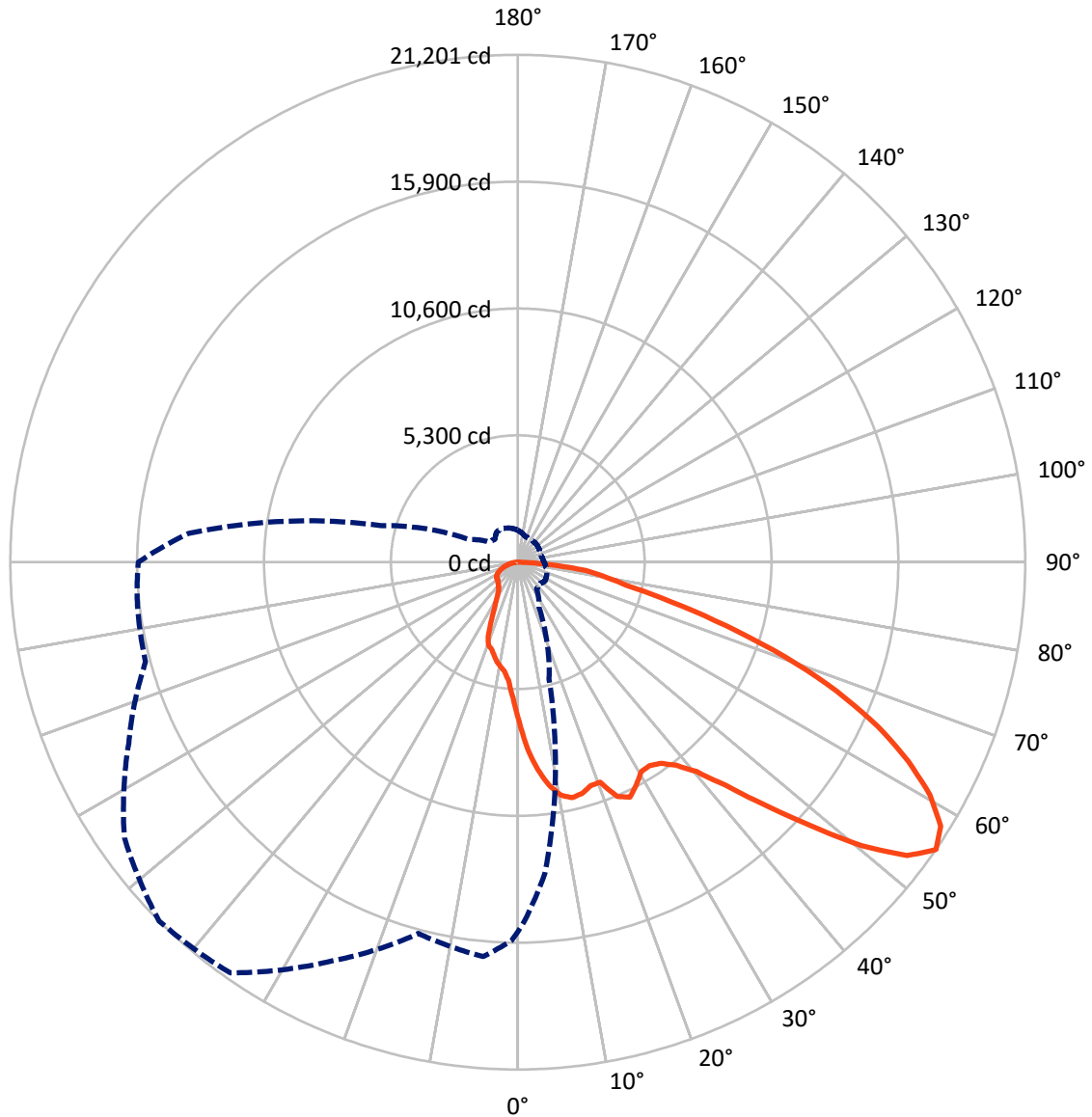
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P454787
CATALOG NUMBER: GALN-SA5D-830-U-SLR

Luminous Intensity Polar Plot



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

REPORT NUMBER: P454787

CATALOG NUMBER: GALN-SA5D-830-U-SLR

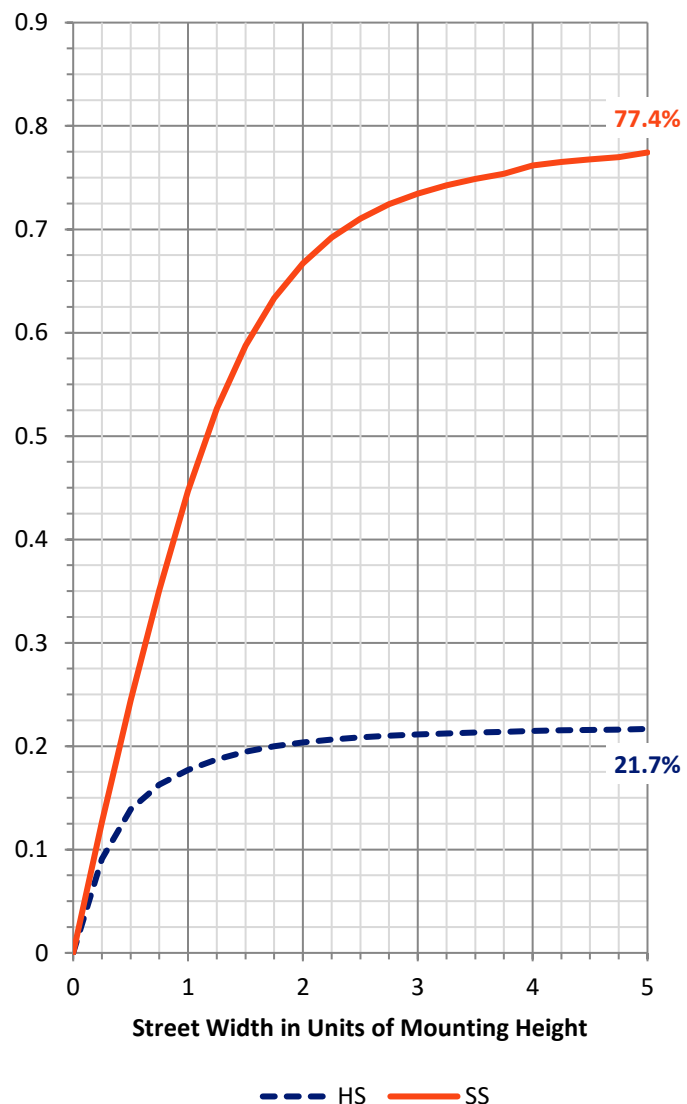
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5804.6	0.0	5804.6
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	20731.4	0.0	20731.4
	% Fixture	78.1	0.0	78.1
Total	Lumens	26536.0	0.0	26536.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	564.4	2.1
10°-20°	1497.4	5.6
20°-30°	2586.8	9.7
30°-40°	3006.3	11.3
40°-50°	4194.4	15.8
50°-60°	5691.3	21.4
60°-70°	5414.6	20.4
70°-80°	2925.1	11.0
80°-90°	655.6	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°	26536.0	100.0
0°-180°	26536.0	100.0

Coefficient of Utilization



REPORT NUMBER: P454787

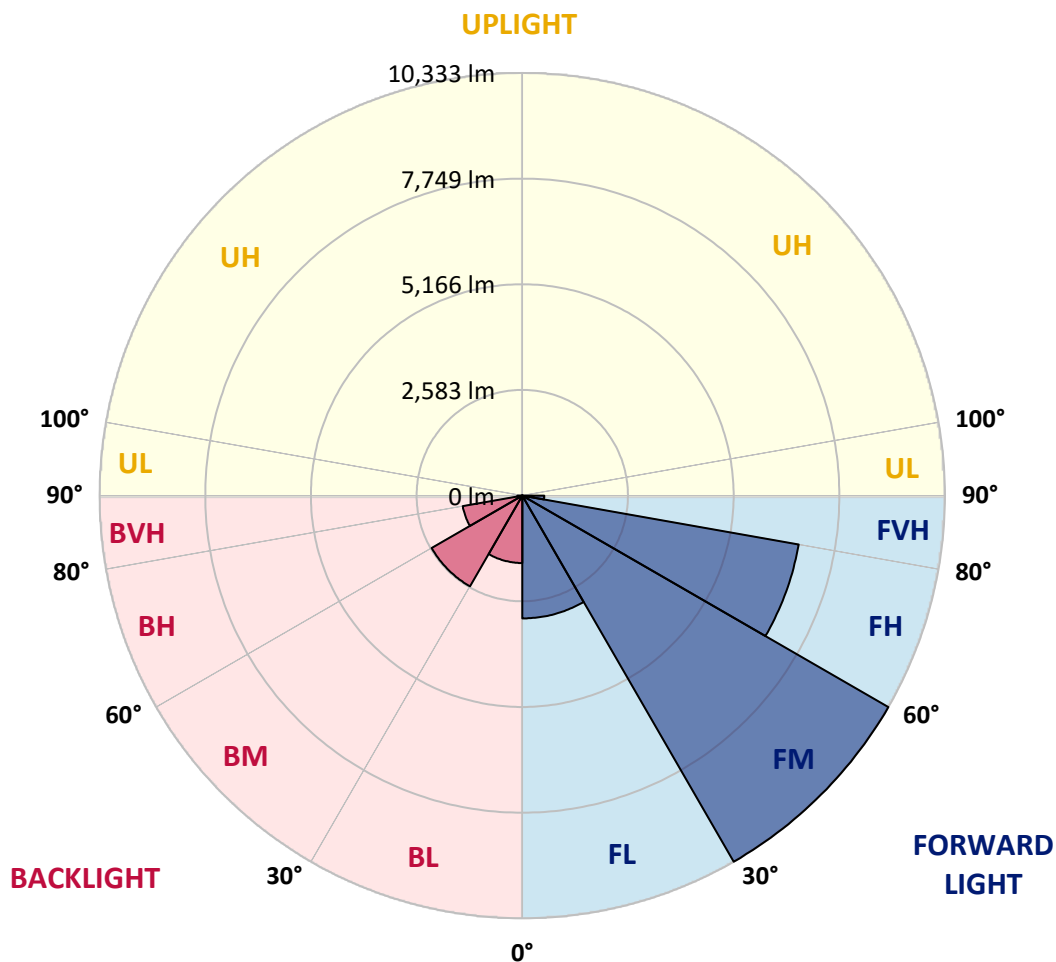
CATALOG NUMBER: GALN-SA5D-830-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3001.3	11.3			
FM	(30°-60°)	10332.6	38.9			
FH	(60°-80°)	6861.8	25.9			G3/7500
FVH	(80°-90°)	535.8	2.0			G4/750
BL	(0°-30°)	1647.4	6.2	B3/2500		
BM	(30°-60°)	2559.5	9.6	B3/5000		
BH	(60°-80°)	1478.0	5.6	B3/2500		G3/2500
BVH	(80°-90°)	119.8	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





REPORT NUMBER: P454787

CATALOG NUMBER: GALN-SA5D-830-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5
2.5°	7398.3	7370.3	7291.5	7084.9	6876.6	6664.8	6501.9	6298.9	6087.0	5973.2	5827.9
5°	7499.8	7468.3	7282.7	6817.1	6395.2	5952.2	5598.6	5288.7	5162.7	4977.1	4828.3
7.5°	7261.7	7247.7	6969.4	6300.6	5722.9	5143.4	4742.5	4493.9	4268.1	4184.1	4201.6
10°	7044.6	6988.6	6640.2	5766.7	5092.7	4621.7	4334.6	4091.3	3932.0	3890.0	3898.7
12.5°	6864.3	6789.0	6377.6	5407.8	4817.8	4441.4	4075.5	3821.7	3676.4	3716.6	3853.2
15°	6827.6	6726.0	6267.4	5285.2	4667.3	4182.3	3781.4	3489.1	3380.5	3468.1	3686.9
17.5°	7065.7	6937.9	6456.4	5325.5	4523.7	3918.0	3426.0	3091.7	3000.6	3140.7	3426.0
20°	7830.7	7641.6	7046.4	5558.3	4509.7	3786.7	3219.5	2883.3	2921.8	3187.9	3485.6
22.5°	9245.2	8961.6	8079.3	5898.0	4583.2	3753.4	3177.4	3002.4	3214.2	3440.0	3636.1
25°	9525.3	9303.0	8264.9	5975.0	4567.5	3730.7	3296.5	3384.0	3620.4	3732.4	3664.1
27.5°	9682.9	9429.0	8252.6	5593.3	4084.3	3384.0	3151.2	3296.5	3356.0	3247.5	3061.9
30°	10050.5	9786.2	8460.9	5192.4	3363.0	2510.4	2200.6	2141.1	2181.3	2202.3	2135.8
32.5°	10556.5	10295.6	8853.1	4929.9	2907.8	2076.3	1771.7	1687.6	1668.4	1645.6	1619.4
35°	11211.2	10810.3	9238.2	4761.8	2720.5	1920.5	1640.4	1575.6	1549.3	1517.8	1489.8
37.5°	11876.5	11456.3	9724.9	4585.0	2596.2	1811.9	1552.8	1523.1	1477.6	1444.3	1404.0
40°	12583.7	12112.8	10167.8	4430.9	2475.4	1741.9	1489.8	1486.3	1426.8	1388.3	1341.0
42.5°	13196.5	12711.5	10563.5	4336.4	2382.6	1668.4	1451.3	1461.8	1400.5	1342.8	1281.5
45°	13683.1	13207.0	10929.4	4336.4	2307.4	1594.8	1444.3	1437.3	1376.0	1304.2	1234.2
47.5°	14110.3	13618.4	11286.5	4446.7	2260.1	1533.6	1405.8	1418.0	1355.0	1264.0	1195.7
50°	14441.2	14007.0	11767.9	4618.2	2212.8	1484.6	1356.8	1423.3	1337.5	1243.0	1164.2
52.5°	14863.1	14474.4	12347.4	4852.8	2172.6	1430.3	1313.0	1423.3	1335.8	1244.7	1158.9
55°	15447.8	15038.1	13045.9	5047.1	2107.8	1379.5	1274.5	1383.0	1330.5	1236.0	1144.9
57.5°	15857.5	15551.1	13539.6	5176.7	2015.0	1314.7	1239.5	1344.5	1307.7	1202.7	1102.9
58°	15876.7	15577.3	13611.4	5206.5	1992.2	1302.5	1230.7	1327.0	1297.2	1188.7	1088.9
60°	15656.1	15398.8	13625.4	5164.4	1862.7	1241.2	1185.2	1255.2	1241.2	1106.4	1013.6
62.5°	14854.3	14579.5	13059.9	4823.1	1691.1	1165.9	1115.2	1158.9	1127.4	990.9	905.1
65°	13714.6	13208.7	11897.5	4287.4	1568.6	1085.4	1020.6	1024.1	990.9	892.8	817.6
67.5°	12196.8	11631.4	10073.3	3613.4	1475.8	996.1	908.6	899.8	859.6	796.5	735.3
70°	10328.9	9942.0	8186.1	2939.4	1372.5	898.1	782.5	777.3	752.8	705.5	651.2
72.5°	8371.6	7879.7	6610.5	2352.9	1246.5	803.6	665.2	675.8	644.2	611.0	562.0
75°	6178.1	5855.9	5110.2	1887.2	1076.7	700.3	555.0	558.5	544.5	509.4	470.9
77.5°	4068.5	3972.2	3655.4	1239.5	828.1	556.7	453.4	456.9	446.4	414.9	374.6
80°	2738.0	2673.3	2477.2	798.3	553.2	402.7	350.1	353.6	351.9	318.6	264.3
82.5°	1687.6	1659.6	1596.6	539.2	383.4	288.9	231.1	241.6	260.8	224.1	180.3
85°	796.5	798.3	964.6	294.1	225.8	185.6	126.0	134.8	134.8	134.8	101.5
87.5°	103.3	108.5	133.0	124.3	82.3	70.0	45.5	38.5	33.3	43.8	31.5
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: P454787
 CATALOG NUMBER: GALN-SA5D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5
2.5°	5777.2	5742.2	5666.9	5649.4	5638.9	5668.6	5589.8	5610.9	5575.8	5673.9	5658.1
5°	4837.1	4840.6	4901.8	4942.1	4956.1	4942.1	4889.6	4798.6	4728.5	4700.5	4707.5
7.5°	4168.3	4229.6	4334.6	4451.9	4558.7	4590.2	4560.5	4387.1	4198.1	4079.0	4040.5
10°	3946.0	4028.3	4149.1	4241.8	4336.4	4411.7	4427.4	4292.6	4068.5	3786.7	3676.4
12.5°	3958.2	4070.3	4185.8	4215.6	4206.8	4236.6	4222.6	4199.8	4052.8	3693.9	3510.1
15°	3842.7	3975.7	4056.3	4040.5	4012.5	3986.2	3949.5	3891.7	3839.2	3587.1	3384.0
17.5°	3576.6	3713.1	3779.7	3784.9	3784.9	3777.9	3688.6	3667.6	3660.6	3538.1	3413.8
20°	3625.6	3700.9	3671.1	3622.1	3636.1	3683.4	3630.9	3620.4	3660.6	3714.9	3692.1
22.5°	3653.6	3627.4	3403.3	3186.2	3137.2	3284.2	3314.0	3431.3	3594.1	3790.2	3918.0
25°	3480.3	3268.5	2867.6	2622.5	2484.2	2620.7	2799.3	3016.4	3259.7	3511.8	3660.6
27.5°	2909.6	2748.5	2461.4	2240.8	2120.0	2141.1	2293.4	2491.2	2717.0	2886.8	2995.4
30°	2191.8	2120.0	1971.2	1896.0	1822.4	1804.9	1869.7	1945.0	2044.8	2065.8	2093.8
32.5°	1614.1	1603.6	1612.4	1587.8	1573.8	1572.1	1552.8	1570.3	1580.8	1593.1	1568.6
35°	1460.0	1446.0	1421.5	1414.5	1405.8	1409.3	1400.5	1391.8	1398.8	1409.3	1416.3
37.5°	1381.3	1360.3	1325.2	1313.0	1313.0	1318.2	1304.2	1300.7	1313.0	1346.3	1363.8
40°	1320.0	1295.5	1255.2	1239.5	1250.0	1264.0	1244.7	1237.7	1267.5	1302.5	1330.5
42.5°	1262.2	1243.0	1204.5	1186.9	1195.7	1222.0	1193.9	1188.7	1227.2	1265.7	1299.0
45°	1213.2	1193.9	1158.9	1150.2	1153.7	1178.2	1158.9	1158.9	1195.7	1237.7	1267.5
47.5°	1174.7	1150.2	1127.4	1120.4	1123.9	1137.9	1134.4	1134.4	1169.4	1213.2	1243.0
50°	1136.2	1115.2	1085.4	1088.9	1097.7	1116.9	1115.2	1120.4	1155.4	1209.7	1241.2
52.5°	1118.7	1087.2	1053.9	1057.4	1083.7	1106.4	1099.4	1104.7	1144.9	1246.5	1292.0
55°	1099.4	1057.4	1018.9	1024.1	1053.9	1087.2	1078.4	1085.4	1132.7	1271.0	1334.0
57.5°	1062.6	1013.6	971.6	975.1	1018.9	1053.9	1039.9	1048.6	1104.7	1244.7	1311.2
58°	1046.9	1004.9	964.6	966.4	1008.4	1046.9	1031.1	1038.1	1095.9	1237.7	1300.7
60°	980.4	955.9	920.8	922.6	962.9	996.1	987.4	994.4	1050.4	1186.9	1234.2
62.5°	889.3	875.3	866.6	866.6	891.1	922.6	931.3	940.1	990.9	1073.2	1115.2
65°	791.3	791.3	793.0	793.0	808.8	849.1	854.3	877.1	924.3	964.6	996.1
67.5°	724.8	721.3	724.8	716.0	723.0	747.5	773.8	794.8	843.8	871.8	882.3
70°	639.0	637.2	639.0	626.7	635.5	656.5	674.0	709.0	759.8	780.8	786.0
72.5°	555.0	555.0	558.5	549.7	549.7	572.5	584.7	623.2	670.5	682.8	684.5
75°	467.4	472.7	472.7	460.4	463.9	477.9	493.7	525.2	569.0	577.7	577.7
77.5°	371.1	390.4	390.4	378.1	383.4	385.1	406.2	421.9	455.2	458.7	444.7
80°	269.6	288.9	304.6	294.1	302.9	292.4	304.6	315.1	348.4	332.6	309.9
82.5°	192.6	206.6	218.8	220.6	211.8	192.6	208.3	210.1	225.8	204.8	192.6
85°	106.8	119.0	134.8	127.8	113.8	101.5	106.8	110.3	108.5	103.3	96.3
87.5°	28.0	29.8	33.3	24.5	22.8	19.3	26.3	26.3	29.8	31.5	29.8
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: P454787

CATALOG NUMBER: GALN-SA5D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5
2.5°	5670.4	5747.4	5913.7	6039.8	6193.8	6381.1	6601.7	6824.1	7063.9	7139.2	7244.2
5°	4691.8	4884.3	4964.9	5194.2	5421.8	5763.2	6127.3	6549.2	7011.4	7233.7	7447.3
7.5°	4009.0	4112.3	4196.3	4364.4	4637.5	5052.4	5509.3	6036.3	6691.0	7014.9	7328.3
10°	3641.4	3651.9	3755.2	3963.5	4201.6	4567.5	4999.9	5589.8	6319.9	6713.8	7081.4
12.5°	3398.0	3352.5	3464.6	3681.6	3951.2	4289.1	4686.5	5248.5	6052.0	6456.4	6901.1
15°	3184.4	3112.7	3196.7	3419.0	3685.1	4082.5	4509.7	5104.9	5947.0	6417.9	6911.6
17.5°	3189.7	2991.9	3021.6	3209.0	3473.3	3877.7	4395.9	5099.7	6106.3	6649.0	7233.7
20°	3583.6	3266.7	3131.9	3166.9	3422.5	3863.7	4448.4	5344.8	6629.7	7421.0	8046.0
22.5°	3970.5	3779.7	3562.6	3490.8	3630.9	4093.0	4782.8	5924.2	7767.7	8959.9	10089.0
25°	3835.7	3998.5	3944.2	3842.7	3874.2	4257.6	5010.4	6400.4	8651.7	9994.5	11055.4
27.5°	3068.9	3364.8	3424.3	3422.5	3434.8	3749.9	4506.2	6080.0	8762.0	10192.3	11206.0
30°	2156.8	2183.1	2214.6	2275.9	2331.9	2613.7	3525.8	5337.8	8713.0	10281.6	11297.0
32.5°	1556.3	1591.3	1635.1	1719.1	1852.2	2211.1	3084.7	5101.4	8972.1	10651.0	11563.1
35°	1423.3	1463.5	1505.6	1601.9	1727.9	2060.5	2909.6	5003.4	9397.5	11249.7	12041.0
37.5°	1381.3	1426.8	1463.5	1533.6	1635.1	1952.0	2750.3	4936.9	9833.4	11883.5	12681.8
40°	1351.5	1404.0	1433.8	1489.8	1559.8	1852.2	2608.5	4884.3	10255.3	12462.9	13196.5
42.5°	1325.2	1379.5	1418.0	1458.3	1516.1	1762.9	2482.4	4831.8	10621.2	13024.9	13709.4
45°	1293.7	1362.0	1411.0	1442.5	1493.3	1687.6	2386.1	4789.8	11037.9	13523.8	14227.6
47.5°	1267.5	1342.8	1404.0	1440.8	1460.0	1635.1	2309.1	4847.6	11538.6	14045.5	14709.0
50°	1269.2	1341.0	1418.0	1475.8	1425.0	1591.3	2261.8	5076.9	12189.8	14665.3	15088.9
52.5°	1325.2	1412.8	1474.1	1488.1	1376.0	1538.8	2237.3	5477.8	12960.1	15213.2	15472.3
55°	1388.3	1479.3	1545.8	1537.1	1349.8	1472.3	2232.1	5905.0	13803.9	15852.2	15971.2
57.5°	1365.5	1498.6	1600.1	1554.6	1351.5	1407.5	2209.3	6249.8	14509.4	16330.1	16464.9
58°	1358.5	1491.6	1607.1	1551.1	1346.3	1388.3	2204.1	6279.6	14607.5	16363.4	16535.0
60°	1290.2	1430.3	1601.9	1524.8	1316.5	1335.8	2146.3	6375.9	14581.2	16191.8	16577.0
62.5°	1165.9	1281.5	1481.1	1397.0	1225.5	1265.7	2016.8	6256.8	13870.5	15365.5	15962.5
65°	1025.9	1111.7	1244.7	1229.0	1095.9	1193.9	1839.9	5785.9	12447.2	14024.5	14653.0
67.5°	920.8	990.9	1074.9	1052.1	985.6	1097.7	1649.1	4989.4	10850.6	12413.9	13205.2
70°	814.1	868.3	910.3	894.6	873.6	1003.1	1479.3	4049.3	9320.5	10883.8	11650.6
72.5°	705.5	756.3	791.3	768.5	756.3	903.3	1341.0	3142.4	7361.5	8979.1	9964.7
75°	590.0	640.7	665.2	639.0	632.0	796.5	1136.2	2347.6	5523.3	6922.1	7772.9
77.5°	456.9	511.2	542.7	534.0	537.5	654.7	917.3	1607.1	3949.5	4718.0	5614.4
80°	320.4	379.9	400.9	392.1	416.7	498.9	647.7	1020.6	2724.0	3061.9	3693.9
82.5°	197.8	253.8	257.3	266.1	283.6	369.4	488.4	621.5	1710.4	1768.2	2226.8
85°	99.8	120.8	129.5	143.6	159.3	225.8	278.4	385.1	1101.2	833.3	1244.7
87.5°	33.3	35.0	42.0	52.5	64.8	92.8	119.0	157.6	273.1	150.6	385.1
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: P454787

CATALOG NUMBER: GALN-SA5D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5	6659.5
2.5°	7456.0	7604.9	7713.4	7813.2	7716.9	7708.1	7613.6	7461.3	7398.3	7398.3
5°	7895.5	8243.8	8525.7	8706.0	8629.0	8443.4	8137.1	7746.7	7536.6	7499.8
7.5°	8016.3	8704.3	9227.7	9413.3	9283.7	8874.1	8287.6	7629.4	7328.3	7261.7
10°	7942.7	8837.3	9605.9	9900.0	9719.6	9099.9	8299.9	7492.8	7121.7	7044.6
12.5°	7865.7	8854.8	9675.9	10101.3	9984.0	9282.0	8389.1	7403.5	6974.6	6864.3
15°	7921.7	8861.8	9590.1	10029.5	10104.8	9500.8	8536.2	7468.3	6944.9	6827.6
17.5°	8275.4	8994.9	9467.6	9822.9	10087.3	9798.4	8954.6	7778.2	7211.0	7065.7
20°	9014.1	9313.5	9537.6	9812.4	10237.8	10405.9	9810.7	8629.0	7958.5	7830.7
22.5°	11153.4	11099.2	10640.5	10635.2	11251.5	11925.5	11885.2	10358.6	9350.3	9245.2
25°	11955.2	11703.1	11039.6	10878.6	11149.9	12189.8	12039.3	10712.3	9780.9	9525.3
27.5°	11641.9	11016.9	10581.0	10544.2	10454.9	11437.0	11799.4	10855.8	9931.5	9682.9
30°	11622.6	10703.5	10080.3	10153.8	10239.6	11177.9	11932.5	11305.7	10316.6	10050.5
32.5°	11669.9	10747.3	10117.0	10131.1	10386.6	11216.5	12079.5	11795.9	10822.6	10556.5
35°	11860.7	10995.9	10351.6	10318.4	10717.5	11468.6	12329.9	12566.2	11514.1	11211.2
37.5°	12168.8	11491.3	10780.5	10771.8	11351.3	11923.7	12641.5	13343.5	12202.1	11876.5
40°	12622.2	12070.8	11543.8	11496.6	12212.6	12664.3	13045.9	14171.6	13002.1	12583.7
42.5°	13170.2	12765.8	12550.5	12737.8	13425.8	13495.8	13676.1	14936.6	13683.1	13196.5
45°	13677.9	13658.6	13958.0	14455.2	14856.1	14435.9	14334.4	15449.5	14211.8	13683.1
47.5°	14281.9	14803.6	15706.9	16435.2	16855.3	15530.1	14896.3	15783.9	14597.0	14110.3
50°	14894.6	16174.3	17616.9	18632.2	18721.5	16718.8	15283.2	16099.0	14947.1	14441.2
52.5°	15538.8	17268.5	19189.0	20368.9	20195.6	17753.4	15657.9	16312.6	15307.7	14863.1
55°	16099.0	17939.0	20067.8	21200.5	20946.6	18383.6	16062.3	16543.7	15822.4	15447.8
57.5°	16412.4	17995.0	19848.9	20838.1	20563.2	18261.1	16247.8	16715.3	16151.6	15857.5
58°	16457.9	17919.7	19654.6	20628.0	20347.9	18157.8	16246.1	16708.3	16172.6	15876.7
60°	16417.7	17431.3	18931.6	19798.2	19504.1	17510.1	16179.6	16577.0	15906.5	15656.1
62.5°	16044.8	16584.0	17683.4	18313.6	18229.6	16498.2	15906.5	16081.5	15095.9	14854.3
65°	15554.6	15428.5	16085.0	16531.5	16594.5	15740.2	15635.1	15010.1	14056.0	13714.6
67.5°	14959.4	14119.0	14117.3	14371.1	14476.2	14574.2	15069.7	13845.9	12557.5	12196.8
70°	13949.2	12100.5	11543.8	11843.2	11755.7	12583.7	14059.5	12210.8	10750.8	10328.9
72.5°	12097.0	9602.4	8711.3	9096.4	8875.8	9868.5	12301.9	10048.8	8889.8	8371.6
75°	9805.4	7182.9	6263.9	6617.5	6480.9	7485.8	10236.1	7298.5	6375.9	6178.1
77.5°	7613.6	5204.7	4670.8	4621.7	4723.3	5570.6	7508.6	4928.1	4203.3	4068.5
80°	4891.3	3725.4	3756.9	3693.9	3746.4	3511.8	4558.7	3144.2	2846.6	2738.0
82.5°	3219.5	2596.2	3095.2	2857.1	2713.5	2361.6	2990.1	2058.8	1747.2	1687.6
85°	2193.6	1911.7	1740.2	1330.5	1566.8	1818.9	2242.6	1108.2	878.8	796.5
87.5°	990.9	665.2	488.4	301.1	476.2	549.7	1088.9	129.5	99.8	103.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)