

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: P526467

Luminaire Tested: **GALN-SA1B-830-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1B-830-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2529 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

Input Watts (W): 44
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



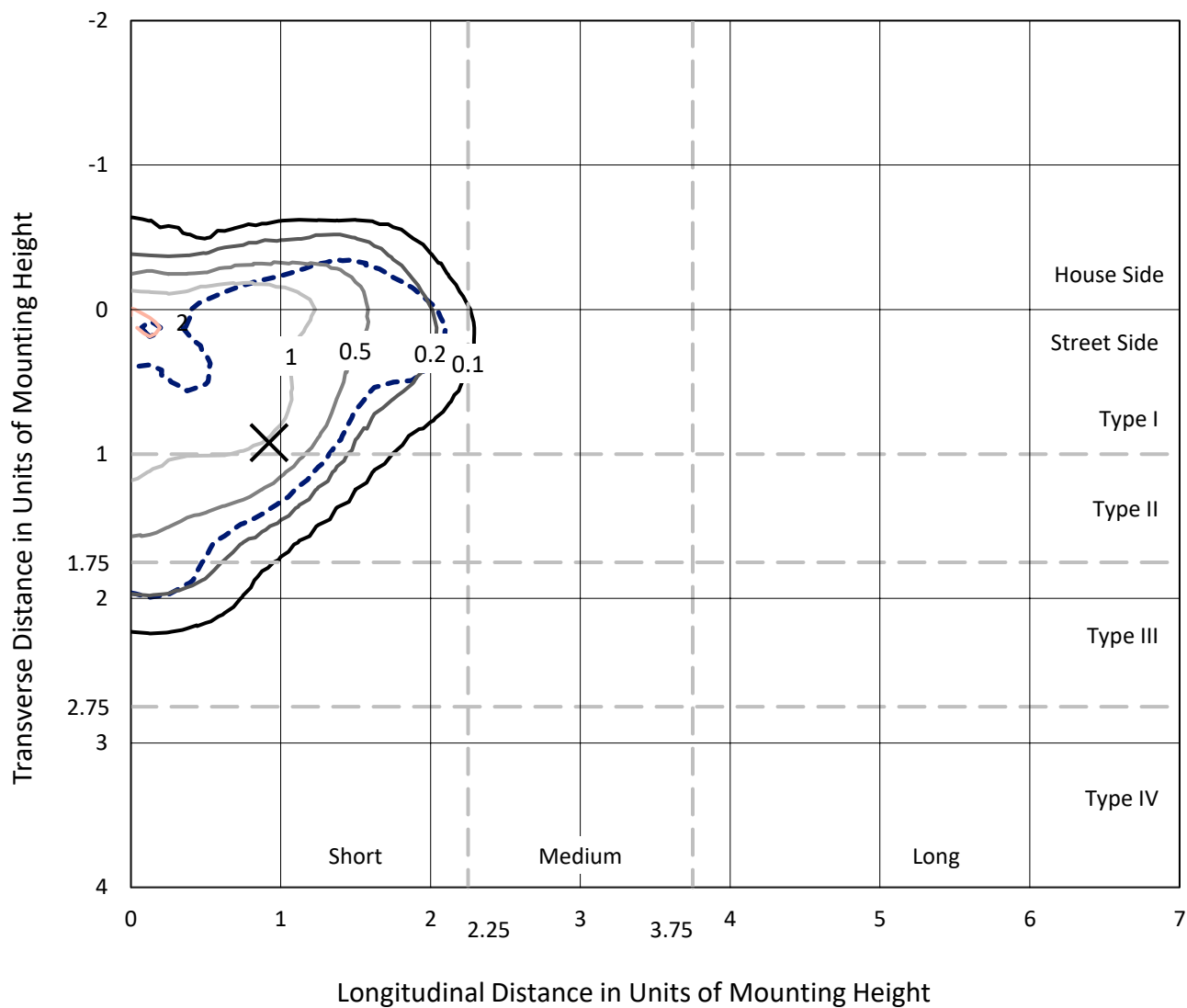
REPORT NUMBER: P526467

CATALOG NUMBER: GALN-SA1B-830-U-SLL-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

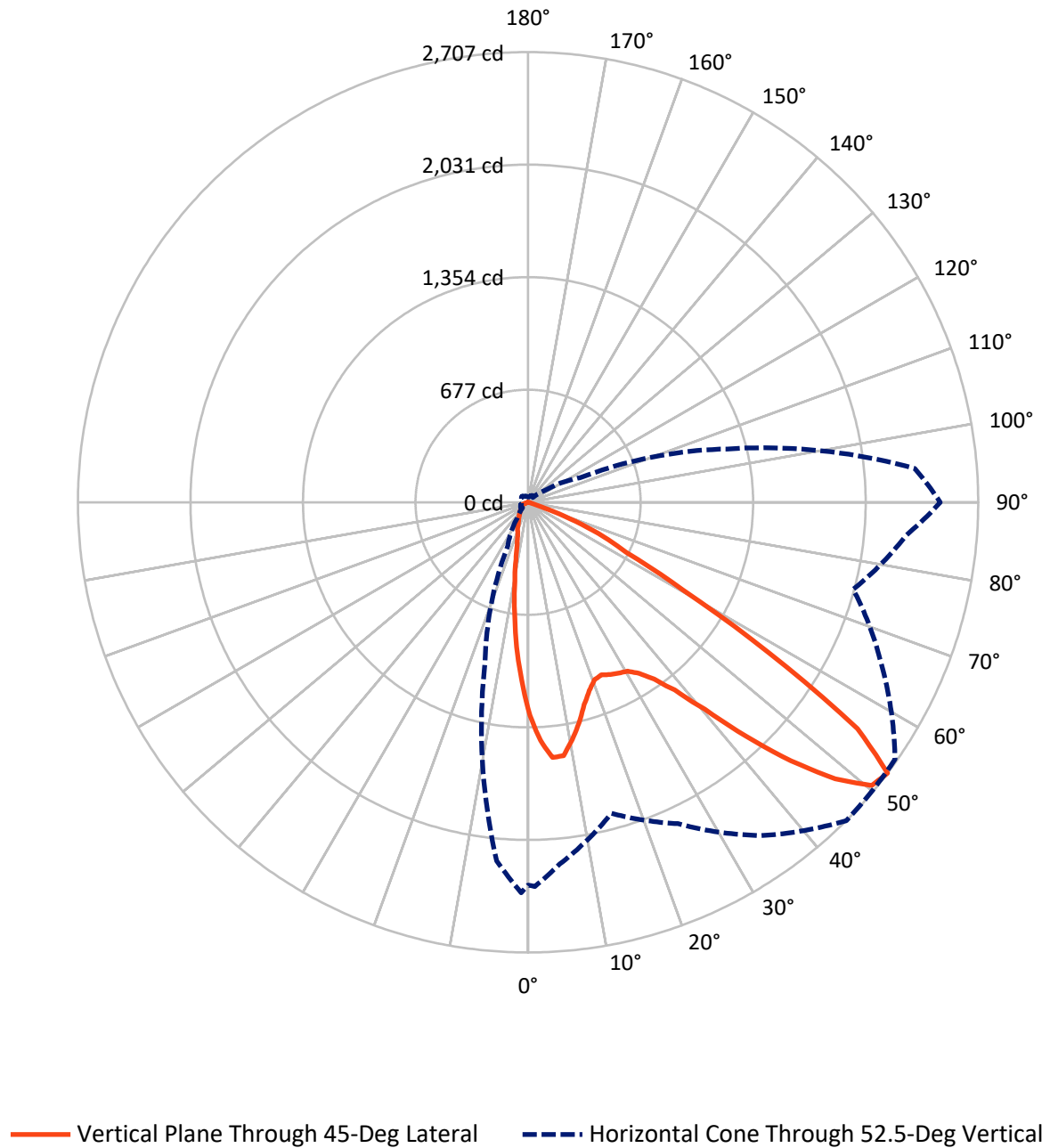
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Short - N/A

REPORT NUMBER: P526467
CATALOG NUMBER: GALN-SA1B-830-U-SLL-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P526467

CATALOG NUMBER: GALN-SA1B-830-U-SLL-GRSBK

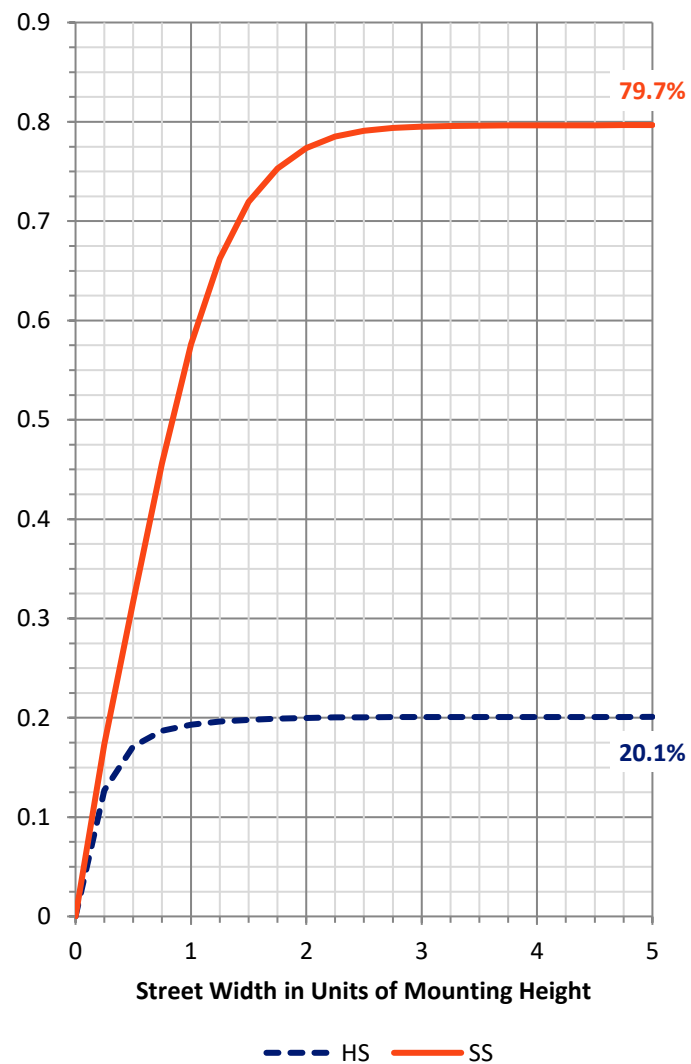
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	513.3	0.0	513.3
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	2015.7	0.0	2015.7
	% Fixture	79.7	0.0	79.7
Total	Lumens	2529.0	0.0	2529.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.5	3.7
10°-20°	184.5	7.3
20°-30°	280.8	11.1
30°-40°	419.7	16.6
40°-50°	597.7	23.6
50°-60°	642.5	25.4
60°-70°	284.7	11.3
70°-80°	23.0	0.9
80°-90°	2.7	0.1
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°	2529.0	100.0
0°-180°	2529.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526467

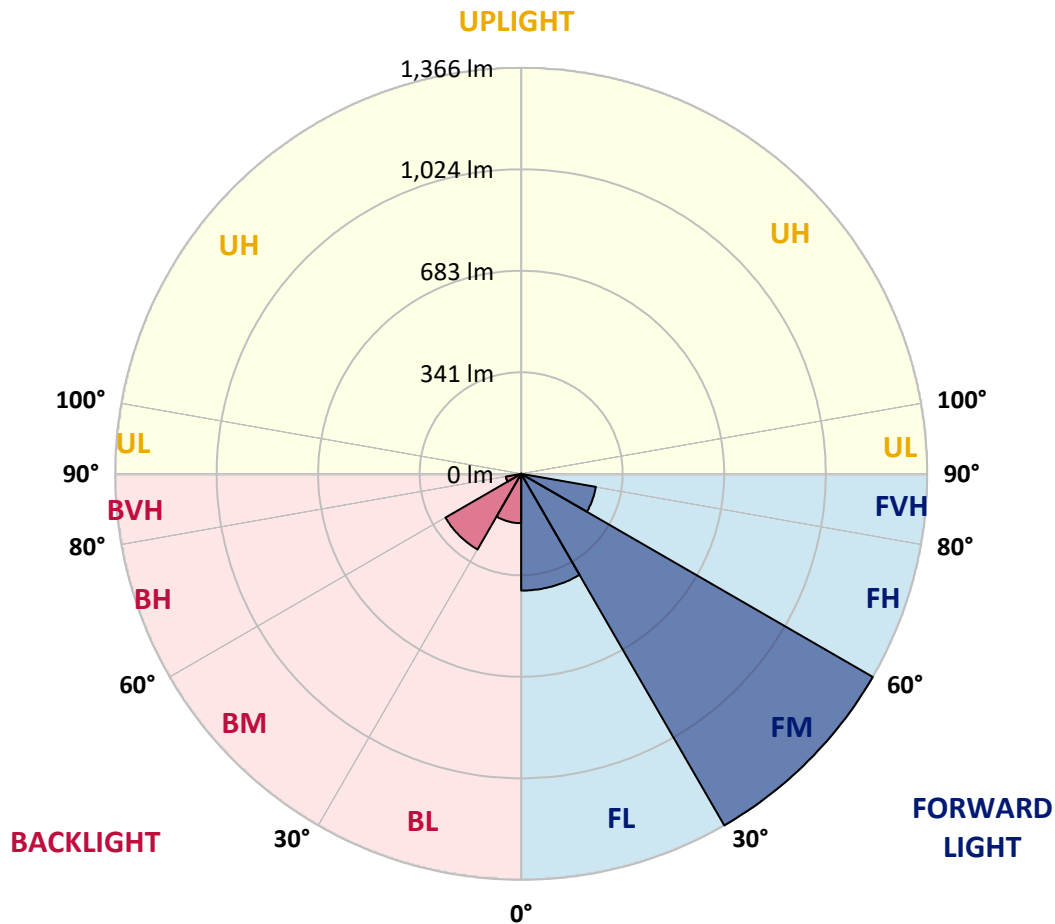
CATALOG NUMBER: GALN-SA1B-830-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	392.8	15.5			
FM	(30°-60°)	1365.7	54.0			
FH	(60°-80°)	255.2	10.1			G0/660
FVH	(80°-90°)	2.0	0.1			G0/10
BL	(0°-30°)	166.0	6.6	B1/500		
BM	(30°-60°)	294.0	11.6	B1/1000		
BH	(60°-80°)	52.5	2.1	B0/110		G0/110
BVH	(80°-90°)	0.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type III Short



REPORT NUMBER: P526467

CATALOG NUMBER: GALN-SA1B-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3
2.5°	1356.9	1360.9	1382.8	1410.2	1424.6	1457.4	1434.5	1440.5	1428.1	1384.3	1350.0
5°	1315.6	1315.1	1343.0	1410.7	1474.8	1540.0	1542.0	1507.1	1446.0	1378.8	1282.8
7.5°	1191.3	1210.7	1239.5	1347.5	1466.4	1515.1	1538.5	1497.7	1403.7	1307.7	1203.7
10°	1097.3	1107.2	1156.0	1286.3	1373.3	1438.5	1452.9	1429.6	1357.4	1237.6	1121.2
12.5°	1043.1	1048.0	1105.2	1214.7	1306.7	1354.9	1361.9	1372.8	1321.1	1208.7	1068.9
15°	1043.6	1047.5	1124.6	1216.2	1252.5	1239.5	1262.4	1261.9	1284.3	1203.2	1112.7
17.5°	1118.7	1123.1	1192.8	1238.1	1222.1	1191.8	1190.3	1213.2	1260.4	1271.4	1178.9
20°	1248.0	1258.4	1309.7	1307.2	1217.7	1156.5	1139.6	1157.0	1266.9	1329.1	1312.2
22.5°	1422.1	1436.5	1472.3	1403.7	1238.1	1132.6	1127.1	1161.0	1309.7	1457.9	1463.4
25°	1624.0	1648.4	1665.8	1577.8	1310.7	1173.9	1148.0	1206.2	1367.4	1597.7	1655.9
27.5°	1757.8	1783.2	1779.2	1653.4	1359.4	1184.8	1162.9	1217.2	1417.6	1631.0	1756.4
30°	1862.3	1877.7	1905.6	1694.2	1408.2	1215.7	1178.4	1263.4	1434.0	1688.7	1877.7
32.5°	1984.2	1994.6	1996.6	1766.3	1483.3	1254.5	1226.1	1321.1	1506.7	1743.9	1985.2
35°	2107.0	2122.4	2090.1	1855.3	1529.5	1326.6	1305.7	1421.1	1564.8	1801.1	2103.5
37.5°	2240.3	2248.3	2173.7	1892.1	1595.7	1444.0	1432.5	1529.0	1665.8	1904.6	2234.9
40°	2352.2	2359.7	2262.7	1937.4	1665.3	1608.1	1637.5	1735.0	1803.1	1971.7	2300.5
42.5°	2414.4	2431.8	2292.6	1912.5	1805.1	1794.2	1924.5	1958.8	1962.3	1990.6	2359.2
45°	2431.3	2423.4	2243.3	1932.9	1927.5	2100.1	2218.4	2263.7	2120.5	2025.4	2374.1
47.5°	2353.2	2363.7	2170.7	1915.0	2088.1	2331.9	2485.1	2569.1	2238.3	1995.1	2337.3
50°	2290.1	2276.6	2147.3	1902.1	2131.4	2441.3	2677.6	2696.5	2346.8	2032.4	2297.0
52.5°	2302.5	2311.0	2184.6	1936.4	2132.4	2447.7	2707.4	2694.5	2350.3	2024.0	2282.6
55°	2328.9	2291.6	2168.7	1860.8	1989.6	2267.2	2403.0	2383.1	2169.2	1933.9	2247.3
57.5°	2009.5	2067.2	1994.1	1661.3	1633.0	1708.1	1705.6	1766.8	1618.1	1664.3	2045.8
60°	1631.0	1641.0	1668.3	1421.1	1130.1	1104.2	1068.4	1029.6	1088.8	1423.1	1860.8
62.5°	1434.5	1422.6	1520.1	1292.8	797.8	668.0	662.1	685.9	840.1	1357.4	1745.4
65°	1042.6	1057.5	1128.1	1003.3	598.9	509.8	500.9	571.5	680.0	1087.8	1332.1
67.5°	636.7	665.5	672.0	618.8	406.4	322.8	309.9	374.1	490.9	703.8	780.9
70°	294.0	328.8	361.6	337.7	235.3	132.8	125.3	157.2	247.7	404.9	414.3
72.5°	89.0	89.5	125.3	130.8	76.1	29.8	26.4	34.8	84.1	133.8	140.8
75°	6.5	7.0	16.9	19.4	14.4	7.5	8.0	9.5	17.9	29.8	22.4
77.5°	0.5	0.5	0.5	2.5	4.5	5.0	6.5	7.5	9.5	10.9	9.9
80°	0.5	0.0	0.5	2.0	3.5	5.0	6.0	7.0	7.5	8.5	7.5
82.5°	0.0	0.0	0.0	1.5	3.5	5.0	5.5	7.5	8.5	9.9	8.5
85°	0.0	0.0	0.0	1.5	3.5	5.5	5.0	2.5	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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

REPORT NUMBER: P526467

CATALOG NUMBER: GALN-SA1B-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3
2.5°	1355.9	1336.5	1292.3	1269.9	1217.2	1209.7	1158.0	1149.5	1132.1	1122.7	1099.8
5°	1240.5	1217.2	1145.0	1084.4	1013.7	964.5	926.7	892.4	872.5	854.1	862.5
7.5°	1146.5	1078.4	998.3	896.8	815.3	762.5	704.8	657.6	629.7	610.8	615.3
10°	1048.0	1003.8	892.4	778.4	680.0	642.7	597.4	561.1	521.8	488.0	472.0
12.5°	1017.2	951.5	811.8	695.9	621.3	585.0	533.2	491.4	441.2	399.9	385.5
15°	1022.7	959.5	789.9	666.0	578.0	515.3	453.6	401.9	346.7	317.8	302.9
17.5°	1111.7	1002.3	804.3	634.7	517.8	430.8	354.7	289.0	247.7	217.9	211.4
20°	1221.1	1094.8	835.1	611.8	468.6	342.7	259.2	202.4	168.1	163.2	161.7
22.5°	1381.3	1246.0	901.3	596.4	408.4	267.1	177.6	147.2	137.8	136.8	137.3
25°	1605.1	1435.5	973.4	583.5	363.1	205.9	145.2	124.8	121.9	120.4	122.9
27.5°	1702.1	1549.9	1011.7	555.6	321.8	185.5	143.3	123.9	115.4	112.9	114.4
30°	1822.0	1626.0	1071.9	507.9	261.1	152.7	133.8	134.8	130.8	118.4	114.4
32.5°	1981.2	1721.0	1102.3	474.0	233.3	126.3	98.0	90.0	100.5	102.5	105.9
35°	2083.1	1817.5	1117.7	454.1	218.9	107.9	83.1	75.6	73.1	73.6	75.6
37.5°	2272.7	1947.9	1137.1	433.2	207.9	94.0	75.1	68.1	64.7	64.7	66.7
40°	2386.1	2051.3	1163.4	421.8	197.0	85.6	68.1	62.2	59.2	59.2	60.2
42.5°	2414.4	2102.5	1154.5	417.8	184.5	83.6	62.2	57.7	54.2	53.7	53.2
45°	2465.2	2180.6	1156.0	413.3	171.6	76.1	58.7	53.7	48.7	48.2	47.8
47.5°	2520.9	2236.8	1159.0	395.9	159.2	63.7	61.2	49.7	43.8	42.8	42.8
50°	2473.1	2281.6	1184.8	378.5	143.3	51.7	60.2	46.8	38.8	37.3	37.8
52.5°	2479.1	2334.3	1239.5	354.2	123.4	41.3	48.7	44.3	35.3	32.8	33.3
55°	2383.6	2278.6	1247.0	328.3	96.5	31.8	37.3	38.8	29.8	28.8	28.8
57.5°	2051.8	1929.4	1100.3	266.1	63.7	26.4	26.9	33.8	25.9	24.9	25.4
60°	1755.9	1548.9	885.4	175.6	39.8	20.9	19.4	34.3	22.9	22.4	23.9
62.5°	1600.7	1272.9	671.5	108.9	27.4	15.9	13.4	27.9	19.9	19.9	21.9
65°	1156.5	855.0	390.5	57.2	19.4	12.4	9.9	15.9	16.4	16.9	17.9
67.5°	716.3	431.8	164.6	27.9	12.9	8.5	6.5	9.9	10.9	10.9	11.9
70°	353.7	172.1	54.7	15.9	9.9	7.0	4.5	5.5	5.5	5.0	5.5
72.5°	109.4	51.7	13.9	9.9	7.0	4.5	2.5	2.0	1.0	0.0	0.5
75°	12.4	9.9	9.0	7.0	4.5	2.0	0.5	0.0	0.0	0.0	0.0
77.5°	7.5	8.5	8.5	7.0	4.5	1.5	0.0	0.0	0.0	0.0	0.0
80°	6.0	6.5	7.0	6.5	4.0	2.0	0.0	0.0	0.0	0.0	0.0
82.5°	7.5	8.5	9.5	8.5	5.5	2.5	1.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	1.5	0.5	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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

REPORT NUMBER: P526467

CATALOG NUMBER: GALN-SA1B-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3
2.5°	1090.3	1079.4	1094.8	1071.9	1071.4	1071.9	1065.5	1059.5	1068.9	1094.3	1096.8
5°	832.2	855.5	863.0	887.4	873.9	854.1	858.0	844.6	877.4	891.9	880.4
7.5°	605.8	604.4	654.6	657.6	664.0	664.5	663.5	637.2	610.3	616.3	634.2
10°	470.1	444.7	469.1	466.6	482.5	478.0	484.5	456.1	465.6	465.6	477.0
12.5°	383.0	356.1	351.7	345.2	351.7	354.2	356.6	351.2	367.1	374.5	382.5
15°	292.5	277.6	273.6	261.1	263.1	270.1	276.1	278.5	273.6	285.0	286.0
17.5°	212.4	211.9	214.4	213.9	211.9	210.4	209.9	203.4	201.5	202.4	206.4
20°	161.2	165.1	173.6	182.1	186.5	181.1	173.6	162.7	158.2	159.2	159.7
22.5°	137.8	143.8	155.2	164.6	169.1	159.2	145.7	136.3	134.3	133.8	133.3
25°	124.8	131.8	140.3	143.3	142.8	136.8	126.8	122.9	121.9	120.9	116.4
27.5°	117.9	120.4	121.9	125.3	126.8	122.9	120.4	114.4	113.4	113.4	110.4
30°	113.9	112.4	114.4	111.9	113.9	110.9	111.4	111.4	108.9	109.9	109.9
32.5°	105.9	106.4	106.4	101.5	103.0	99.5	103.0	105.9	106.4	106.9	110.9
35°	77.6	86.5	91.0	91.0	92.5	90.0	89.5	86.1	81.6	77.1	75.1
37.5°	68.1	71.6	77.6	81.1	83.6	81.6	77.1	71.6	69.1	67.2	65.2
40°	60.7	63.7	67.6	71.6	76.6	74.1	67.2	64.7	61.7	61.7	59.7
42.5°	54.7	56.2	58.7	64.7	70.1	65.2	60.2	58.2	56.7	56.2	55.7
45°	49.2	49.7	52.2	57.2	63.7	58.7	53.7	51.2	51.7	52.2	51.7
47.5°	44.3	45.3	46.8	52.7	56.7	54.2	48.7	47.3	47.3	47.3	47.8
50°	38.3	40.8	43.8	48.7	51.7	50.2	45.8	43.8	42.8	42.8	43.3
52.5°	34.3	36.3	40.3	46.3	50.2	47.8	43.3	40.3	38.3	37.8	38.8
55°	29.8	33.3	39.8	44.3	49.7	47.3	42.3	38.8	35.3	34.8	34.8
57.5°	26.9	32.3	38.3	43.8	48.2	46.3	42.3	37.8	33.3	32.8	32.8
60°	25.4	31.3	37.3	42.3	48.2	45.3	41.8	36.8	31.8	31.8	31.3
62.5°	23.9	29.3	35.3	40.3	46.3	43.8	40.3	35.3	30.3	30.3	29.3
65°	19.9	25.4	29.3	33.8	40.3	37.8	34.3	30.8	26.9	25.9	26.4
67.5°	13.9	17.4	21.4	25.9	29.8	28.8	27.4	24.9	21.4	20.9	20.4
70°	7.0	9.5	12.9	17.4	20.9	19.9	18.9	16.9	14.9	14.4	14.4
72.5°	1.0	3.0	5.5	8.0	10.9	11.4	10.9	10.4	9.9	9.5	9.9
75°	0.0	0.0	0.0	2.0	4.5	5.5	6.5	7.5	7.5	6.5	8.0
77.5°	0.0	0.0	0.0	0.0	0.5	2.5	5.0	6.5	8.0	7.0	9.5
80°	0.0	0.0	0.0	0.0	0.5	3.0	5.0	7.0	8.0	7.0	9.9
82.5°	0.0	0.0	0.0	0.0	0.5	3.5	5.0	6.5	7.5	7.0	9.0
85°	0.0	0.0	0.0	0.0	1.5	3.0	2.0	1.0	0.5	0.5	1.5
87.5°	0.0	0.0	0.0	0.0	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

REPORT NUMBER: P526467

CATALOG NUMBER: GALN-SA1B-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3
2.5°	1110.7	1146.0	1183.8	1198.3	1243.0	1276.8	1299.7	1349.0	1356.4	1356.9
5°	892.4	910.3	974.9	1005.3	1071.9	1123.6	1178.9	1258.4	1311.7	1315.6
7.5°	634.2	683.9	711.3	790.4	872.5	953.5	1035.6	1128.1	1189.8	1191.3
10°	510.3	542.7	591.4	650.6	719.8	802.3	911.8	1019.2	1081.9	1097.3
12.5°	410.9	467.6	523.3	584.5	637.2	699.4	817.2	960.5	1012.2	1043.1
15°	316.4	368.1	433.7	505.4	565.1	648.1	782.4	946.1	1033.1	1043.6
17.5°	233.3	279.5	340.2	407.9	497.4	615.3	788.4	1019.2	1101.3	1118.7
20°	167.6	194.5	242.2	320.8	434.7	577.0	794.4	1093.3	1218.2	1248.0
22.5°	132.8	143.8	175.1	244.7	364.6	536.7	836.6	1235.1	1378.8	1422.1
25°	115.4	121.4	136.3	193.0	320.3	532.7	904.3	1405.2	1592.7	1624.0
27.5°	111.4	112.4	125.3	177.1	296.5	506.4	930.2	1526.1	1726.0	1757.8
30°	117.4	133.3	134.3	149.7	252.2	454.1	943.6	1642.9	1838.9	1862.3
32.5°	101.5	96.5	100.0	115.9	221.8	423.8	969.0	1744.9	1967.8	1984.2
35°	70.6	74.1	82.1	100.5	194.0	392.0	975.4	1857.3	2090.1	2107.0
37.5°	65.2	67.2	73.6	85.6	170.6	374.1	966.5	1939.4	2217.0	2240.3
40°	60.7	63.2	66.7	77.6	153.2	354.2	954.0	2013.5	2294.5	2352.2
42.5°	57.2	59.2	62.2	74.1	138.3	334.3	936.6	2118.0	2364.2	2414.4
45°	53.2	56.2	59.7	72.1	129.8	320.8	923.7	2111.5	2404.5	2431.3
47.5°	49.2	54.2	58.2	67.2	127.3	314.4	929.2	2087.1	2371.6	2353.2
50°	45.3	51.7	58.7	55.7	121.4	301.4	935.6	2120.5	2293.6	2290.1
52.5°	41.8	49.2	54.7	45.8	107.9	289.0	998.3	2164.2	2348.8	2302.5
55°	36.8	44.3	43.8	36.8	87.5	279.5	1047.5	2165.2	2311.5	2328.9
57.5°	33.3	39.3	34.3	30.8	64.7	233.8	967.5	1815.5	1978.7	2009.5
60°	30.8	38.3	25.9	24.4	42.3	168.6	844.6	1406.2	1572.8	1631.0
62.5°	28.4	36.3	20.4	19.9	29.3	119.9	694.4	1176.9	1355.4	1434.5
65°	24.9	25.9	16.4	15.4	20.9	64.7	422.8	810.3	1013.2	1042.6
67.5°	20.4	19.9	13.4	12.4	13.9	31.3	186.5	405.9	587.4	636.7
70°	16.4	16.4	11.4	9.9	9.9	14.4	48.7	161.7	265.6	294.0
72.5°	11.9	12.4	9.0	8.0	7.5	7.0	8.0	32.3	69.6	89.0
75°	10.4	10.9	9.0	7.0	5.5	4.5	3.5	3.0	4.0	6.5
77.5°	11.4	11.4	9.5	6.5	5.0	3.5	2.0	1.0	1.0	0.5
80°	14.4	14.9	12.4	8.5	6.0	4.0	2.5	1.0	0.5	0.5
82.5°	15.4	16.9	13.9	10.4	7.5	4.5	2.5	0.5	0.0	0.0
85°	4.0	6.5	10.9	9.5	7.5	4.5	2.5	0.5	0.0	0.0
87.5°	0.0	0.5	1.5	1.5	2.0	2.0	1.5	0.5	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

(END OF REPORT)