

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: P526703

Luminaire Tested: **GALN-SA1C-830-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526703
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1C-830-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3125 lumens
Efficiency: N/A
Efficacy: 54.8 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): 57
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



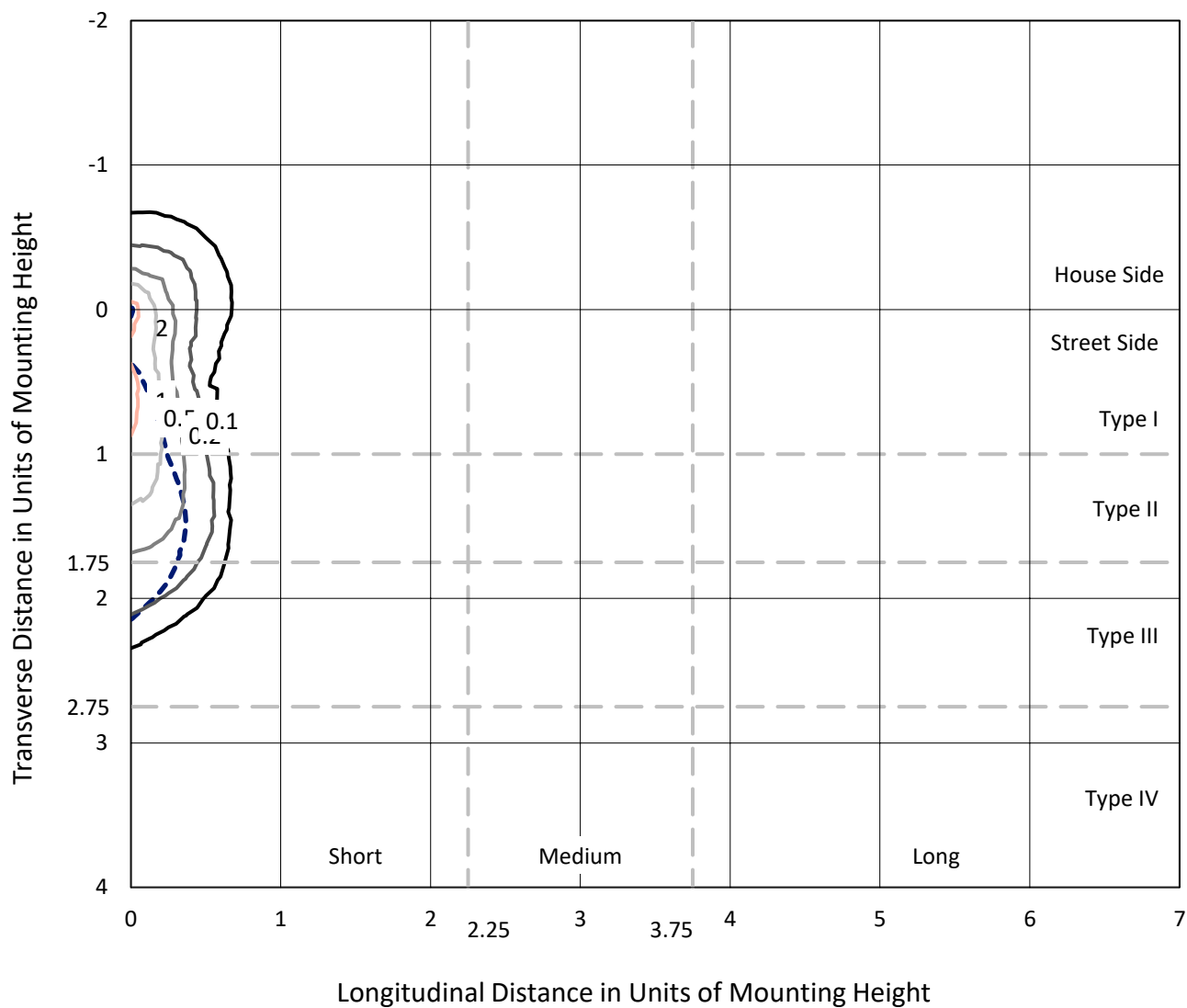
REPORT NUMBER: P526703

CATALOG NUMBER: GALN-SA1C-830-U-SLR-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

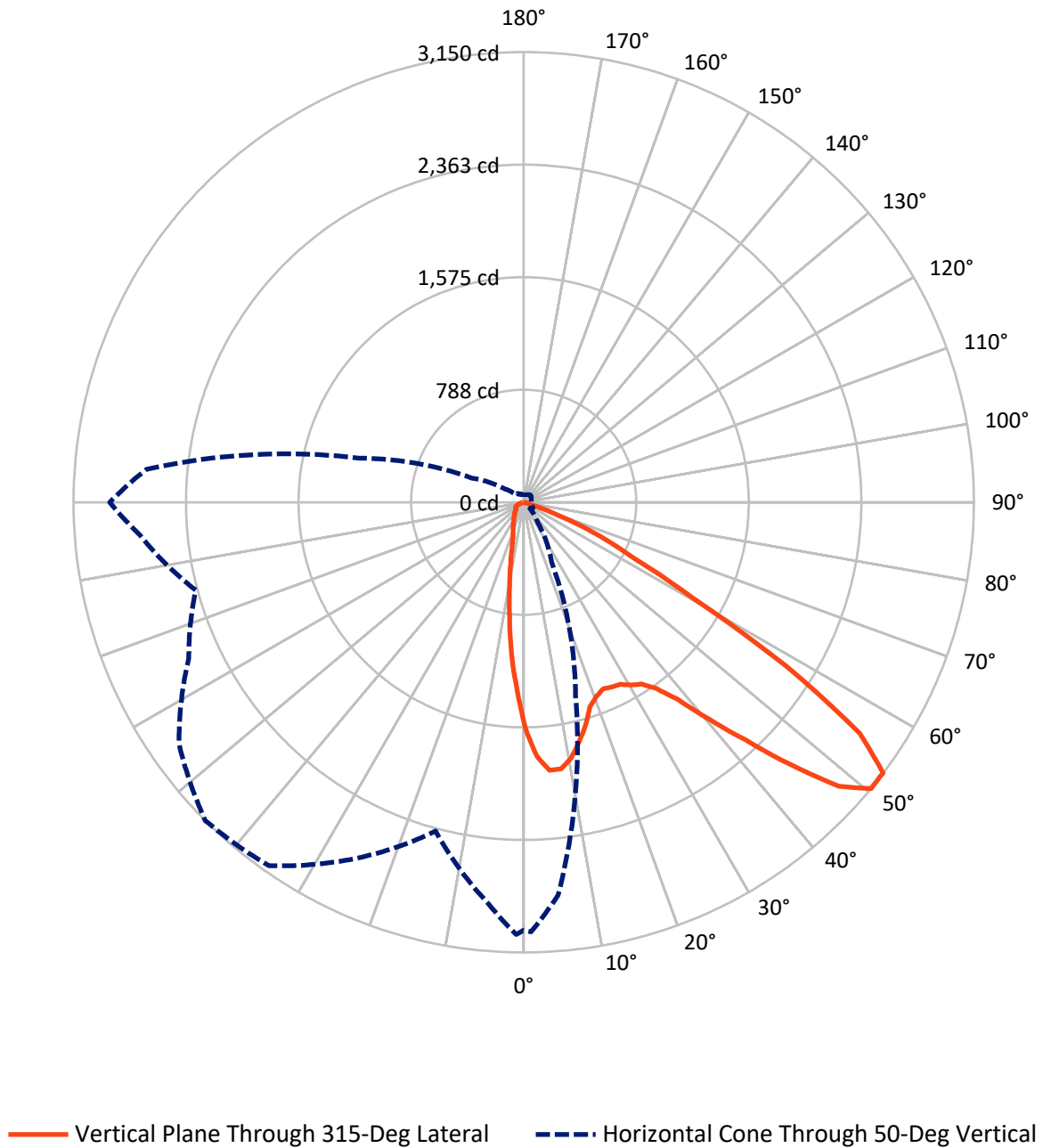
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Short - N/A

REPORT NUMBER: P526703
CATALOG NUMBER: GALN-SA1C-830-U-SLR-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P526703

CATALOG NUMBER: GALN-SA1C-830-U-SLR-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	625.9	0.0	625.9
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	2499.1	0.0	2499.1
	% Fixture	80.0	0.0	80.0
Total	Lumens	3125.0	0.0	3125.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.5	3.7
10°-20°	229.6	7.3
20°-30°	344.9	11.0
30°-40°	517.7	16.6
40°-50°	727.6	23.3
50°-60°	784.8	25.1
60°-70°	364.4	11.7
70°-80°	34.3	1.1
80°-90°	6.3	0.2
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°	3125.0	100.0
0°-180°	3125.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526703

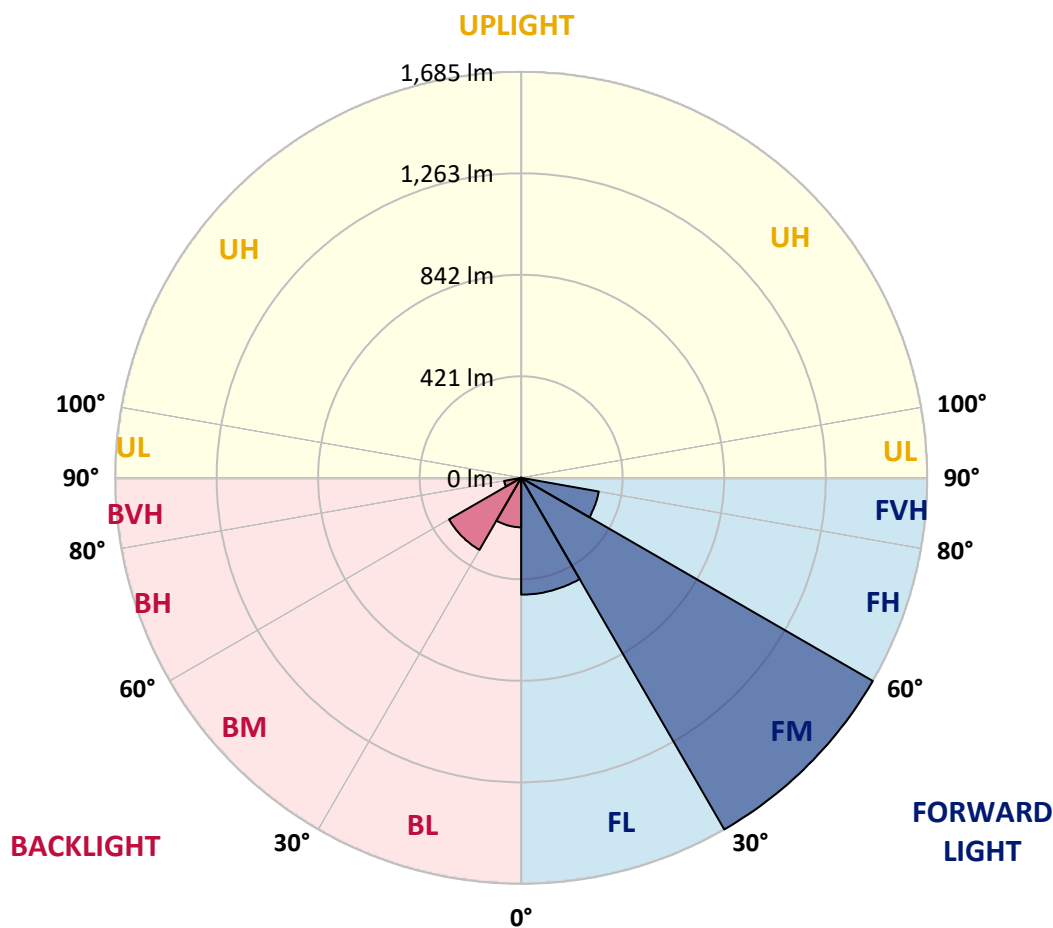
CATALOG NUMBER: GALN-SA1C-830-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	484.8	15.5			
FM	(30°-60°)	1684.6	53.9			
FH	(60°-80°)	326.8	10.5			G0/660
FVH	(80°-90°)	2.8	0.1			G0/10
BL	(0°-30°)	205.2	6.6	B1/500		
BM	(30°-60°)	345.4	11.1	B1/1000		
BH	(60°-80°)	71.9	2.3	B0/110		G0/110
BVH	(80°-90°)	3.5	0.1			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: P526703

CATALOG NUMBER: GALN-SA1C-830-U-SLR-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8
2.5°	1647.4	1622.0	1589.7	1563.1	1523.4	1443.4	1421.7	1395.7	1374.0	1344.8	1303.9
5°	1498.0	1489.9	1475.0	1374.6	1302.0	1205.3	1126.0	1092.5	1048.5	1012.5	986.5
7.5°	1383.9	1351.6	1304.5	1203.5	1087.5	984.0	895.9	844.5	786.2	766.3	731.0
10°	1261.7	1269.2	1199.7	1057.8	917.6	833.9	779.4	729.8	677.1	642.3	592.1
12.5°	1222.7	1198.5	1145.2	969.7	850.0	771.9	705.6	644.2	588.4	532.6	484.2
15°	1248.1	1210.9	1136.5	951.1	798.0	700.6	617.5	534.5	483.0	411.7	361.5
17.5°	1339.2	1309.5	1209.7	970.9	771.3	632.4	509.0	423.5	344.7	280.2	254.8
20°	1491.1	1449.0	1323.7	996.4	731.6	550.0	412.9	307.5	233.1	205.8	191.6
22.5°	1640.0	1617.0	1458.9	1045.4	696.3	476.8	310.0	207.1	174.2	169.3	160.0
25°	1923.3	1854.5	1665.4	1134.0	669.0	408.0	233.7	166.8	147.6	143.8	145.1
27.5°	2091.9	2034.3	1856.3	1192.9	638.6	355.3	197.8	153.1	140.1	132.1	129.0
30°	2253.8	2186.8	1951.2	1227.6	573.5	299.5	175.5	146.9	143.8	132.1	128.3
32.5°	2378.4	2312.7	2088.2	1279.7	546.9	263.5	144.5	114.7	106.6	105.4	116.6
35°	2569.4	2499.3	2205.4	1308.2	526.4	244.9	125.2	102.3	93.0	89.3	89.9
37.5°	2747.3	2699.6	2313.9	1319.4	504.7	239.3	112.2	91.8	83.7	81.2	80.6
40°	2896.1	2789.5	2416.8	1331.2	495.4	228.8	104.2	83.7	78.1	74.4	74.4
42.5°	2964.3	2855.8	2532.2	1324.4	492.9	212.0	104.2	76.9	72.5	68.8	68.2
45°	2949.4	2905.4	2583.6	1321.3	492.9	195.3	94.9	75.0	68.8	63.9	62.6
47.5°	2987.9	2930.2	2648.1	1334.3	483.0	183.5	80.0	78.7	65.1	58.9	57.7
50°	2994.7	3005.9	2760.3	1401.9	461.3	168.6	62.6	77.5	62.6	53.3	52.1
52°	3039.3	2969.9	2794.4	1437.8	438.4	157.5	52.7	66.3	60.1	49.6	48.4
52.5°	2978.0	3023.2	2802.5	1450.8	440.8	150.0	50.8	65.1	58.9	49.6	46.5
55°	2909.1	2952.5	2769.6	1478.7	404.3	117.8	39.7	47.1	53.3	43.4	41.5
57.5°	2528.4	2572.5	2406.9	1354.1	329.2	83.1	32.9	35.3	47.1	40.3	38.4
60°	2247.6	2215.9	2020.0	1129.7	233.7	46.5	26.0	27.3	51.5	37.2	36.6
62.5°	2054.1	1986.5	1688.3	872.4	142.6	31.0	20.5	21.1	39.7	34.7	34.7
65°	1519.7	1444.0	1121.6	527.6	70.1	21.7	15.5	16.7	24.8	29.8	29.8
67.5°	867.4	838.3	541.9	238.1	29.1	13.6	11.8	13.0	19.2	24.2	22.9
70°	398.7	357.8	208.3	50.2	13.6	9.3	9.3	10.5	15.5	18.0	16.7
72.5°	116.6	110.4	50.8	8.1	5.6	5.6	6.2	8.1	11.8	13.6	12.4
75°	8.7	5.6	3.7	2.5	2.5	3.7	5.0	8.1	11.8	13.0	10.5
77.5°	0.6	1.2	0.6	0.6	1.9	3.7	5.6	9.9	15.5	16.1	11.8
80°	0.6	0.6	0.0	0.6	1.9	3.7	6.2	11.2	17.4	18.6	9.9
82.5°	0.0	0.0	0.0	0.6	2.5	5.0	7.4	11.8	16.1	19.8	10.5
85°	0.0	0.0	0.0	0.6	3.7	6.8	8.7	3.1	1.9	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: P526703

CATALOG NUMBER: GALN-SA1C-830-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8
2.5°	1333.0	1316.9	1310.7	1316.3	1314.4	1312.6	1346.7	1339.2	1338.0	1349.2	1346.7
5°	1000.7	972.2	1050.3	1018.7	1051.6	1071.4	1075.1	1077.0	1099.9	1075.7	1107.4
7.5°	713.0	720.5	719.8	740.9	778.7	812.2	832.1	816.6	815.3	812.2	798.6
10°	569.8	556.8	554.3	549.3	561.1	589.6	613.8	594.6	581.0	599.6	594.0
12.5°	465.6	447.7	437.7	417.9	418.5	437.7	437.7	437.7	451.4	461.9	470.0
15°	357.1	342.3	342.3	322.4	318.1	318.7	328.6	329.9	351.6	357.8	360.9
17.5°	249.9	241.8	251.1	259.2	254.2	255.4	259.2	260.4	263.5	261.0	267.2
20°	192.2	191.0	193.4	207.7	218.2	224.4	220.1	213.9	210.2	201.5	201.5
22.5°	163.1	165.5	169.9	181.7	195.3	199.0	194.1	179.8	168.6	167.4	168.0
25°	145.1	147.6	154.4	161.8	169.3	175.5	170.5	160.0	153.8	148.2	148.2
27.5°	133.9	135.2	138.9	144.5	150.7	155.6	153.8	148.2	141.4	138.9	133.3
30°	125.2	127.1	131.4	132.7	138.3	140.7	137.6	136.4	132.1	129.0	127.1
32.5°	120.9	120.3	123.4	124.6	125.2	127.1	123.4	125.2	124.6	119.7	117.8
35°	91.1	96.1	104.2	111.0	112.8	115.3	114.7	112.2	105.4	99.8	93.0
37.5°	81.8	84.9	89.3	94.9	102.3	105.4	104.2	98.0	89.9	86.2	84.9
40°	75.6	77.5	81.2	84.9	92.4	98.0	93.6	88.0	81.8	78.7	76.9
42.5°	70.1	70.7	72.5	76.3	81.8	90.5	83.1	75.6	73.2	71.3	70.1
45°	63.9	63.9	66.3	68.2	74.4	82.5	75.0	68.2	67.0	65.7	65.1
47.5°	58.9	59.5	60.8	63.2	68.2	73.8	68.8	63.2	60.1	59.5	58.3
50°	52.7	53.3	55.8	58.3	64.5	67.6	64.5	58.3	55.2	53.3	53.3
52°	47.7	49.6	52.1	57.0	61.4	66.3	62.6	55.8	52.1	50.2	49.0
52.5°	47.1	48.4	50.8	56.4	61.4	65.7	62.0	55.2	50.8	49.6	48.4
55°	42.2	44.0	48.4	55.2	60.8	65.7	60.8	54.6	48.4	45.3	44.0
57.5°	40.3	41.5	47.1	55.8	60.1	65.7	60.8	54.6	48.4	42.8	41.5
60°	38.4	40.9	47.1	53.9	59.5	66.3	61.4	53.9	47.1	40.3	40.3
62.5°	36.6	38.4	46.5	52.7	57.0	63.9	58.9	52.7	45.3	38.4	37.8
65°	31.6	34.7	40.9	44.0	49.0	55.2	50.2	45.9	39.7	34.1	33.5
67.5°	24.2	25.4	30.4	34.1	37.2	42.8	40.3	34.7	30.4	26.0	26.0
70°	16.7	18.0	21.7	23.6	26.7	29.8	27.9	23.6	20.5	18.0	17.4
72.5°	11.8	12.4	13.6	14.9	16.1	17.4	16.7	13.6	11.8	11.2	10.5
75°	9.3	10.5	11.2	10.5	9.9	9.3	9.3	8.1	6.8	6.2	6.2
77.5°	9.3	9.9	9.3	8.1	6.8	6.2	5.6	5.0	3.7	3.1	3.7
80°	8.1	8.1	8.1	6.8	6.2	5.6	5.0	4.3	3.7	3.1	3.1
82.5°	8.7	8.7	8.1	6.8	6.8	5.6	5.6	5.0	4.3	3.1	3.1
85°	0.0	0.0	0.0	1.2	3.1	5.6	5.6	5.0	4.3	3.7	3.7
87.5°	0.0	0.0	0.0	0.0	0.6	1.2	2.5	3.1	3.7	3.7	3.7
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: P526703

CATALOG NUMBER: GALN-SA1C-830-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8
2.5°	1369.0	1392.6	1437.2	1481.8	1509.1	1541.4	1599.6	1630.7	1671.0	1690.8	1729.9
5°	1103.0	1158.8	1178.7	1229.5	1284.1	1338.6	1425.4	1520.9	1600.3	1654.8	1725.5
7.5°	804.8	817.8	894.7	928.8	1018.1	1117.3	1235.7	1356.0	1456.4	1545.7	1599.6
10°	603.3	651.0	699.4	764.5	836.4	938.7	1052.2	1184.9	1315.1	1404.3	1472.5
12.5°	484.9	522.7	587.2	657.2	745.9	813.5	927.5	1059.0	1227.6	1315.1	1405.0
15°	367.1	415.4	488.6	561.1	654.7	726.0	841.4	1006.9	1223.9	1344.2	1421.7
17.5°	272.2	305.0	370.8	452.0	547.5	647.9	803.5	1001.3	1265.5	1408.7	1488.7
20°	208.3	219.5	261.0	333.6	437.1	568.6	742.2	1025.5	1388.2	1565.5	1646.8
22.5°	168.6	173.6	189.7	239.9	340.4	499.1	713.0	1042.3	1526.5	1753.4	1861.9
25°	146.9	145.7	156.2	177.9	266.0	434.0	675.8	1105.5	1695.8	1974.1	2071.5
27.5°	133.9	133.9	138.9	154.4	220.7	391.9	652.3	1150.8	1866.3	2168.2	2220.9
30°	127.1	128.3	142.6	147.6	183.5	341.6	613.2	1196.6	2029.3	2292.2	2364.8
32.5°	117.8	112.8	109.7	122.1	154.4	296.4	574.1	1215.9	2161.4	2444.1	2506.1
35°	90.5	88.0	91.8	101.1	132.7	257.9	530.7	1237.6	2313.3	2620.2	2632.6
37.5°	81.8	81.2	83.7	91.8	111.6	224.4	499.7	1232.0	2429.2	2765.9	2732.4
40°	75.6	75.6	77.5	84.3	99.8	200.9	467.5	1227.0	2541.5	2929.6	2831.6
42.5°	70.7	70.7	73.8	78.1	94.9	185.4	443.3	1220.2	2635.7	3030.0	2889.9
45°	63.9	65.7	70.7	75.0	96.1	174.8	425.3	1194.2	2667.9	3028.8	2862.0
47.5°	58.9	61.4	66.3	72.5	86.8	171.7	412.9	1171.2	2656.8	2954.4	2774.6
50°	53.3	56.4	63.2	73.8	73.8	165.5	399.9	1191.7	2648.7	2896.7	2690.9
52°	49.6	52.1	60.8	71.9	64.5	152.5	391.9	1231.4	2681.6	2889.3	2653.7
52.5°	49.0	50.8	58.9	70.7	61.4	150.0	386.3	1240.7	2692.1	2870.7	2679.1
55°	43.4	45.9	53.9	55.2	50.2	123.4	368.3	1261.7	2640.0	2834.1	2654.9
57.5°	40.9	42.2	47.7	45.3	43.4	93.0	316.8	1228.9	2344.9	2517.3	2470.2
60°	37.8	39.1	44.6	35.3	36.6	65.1	238.1	1067.1	1883.0	2097.5	2182.5
62.5°	36.6	36.0	42.2	28.5	31.0	47.1	168.0	867.4	1450.8	1726.8	1873.7
65°	32.2	31.6	30.4	24.2	26.7	36.6	100.4	566.1	1022.4	1306.4	1387.0
67.5°	24.8	26.0	22.3	19.2	22.3	28.5	55.8	253.6	536.3	783.7	848.8
70°	17.4	18.6	18.0	16.7	19.8	23.6	32.2	86.8	222.0	411.7	453.9
72.5°	10.5	13.0	13.6	14.3	17.4	20.5	22.9	27.9	58.9	145.7	181.0
75°	6.2	8.7	10.5	12.4	14.3	17.4	19.2	19.8	20.5	27.3	44.0
77.5°	4.3	6.2	9.3	11.8	14.3	17.4	20.5	21.7	20.5	19.2	20.5
80°	3.7	6.2	8.7	11.2	14.9	18.0	20.5	20.5	19.8	17.4	18.6
82.5°	3.7	6.2	9.3	11.8	14.3	17.4	19.8	20.5	18.6	17.4	18.0
85°	4.3	6.8	9.9	12.4	15.5	14.3	13.0	10.5	9.9	8.1	8.7
87.5°	4.3	6.2	6.2	6.8	7.4	7.4	7.4	6.8	5.6	5.0	5.0
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: P526703

CATALOG NUMBER: GALN-SA1C-830-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8	1584.8
2.5°	1731.7	1781.3	1779.5	1780.7	1773.3	1723.0	1698.9	1637.5	1654.8	1647.4
5°	1798.1	1847.0	1889.2	1884.2	1827.2	1759.0	1657.9	1562.4	1536.4	1498.0
7.5°	1731.7	1849.5	1888.6	1883.0	1798.7	1711.3	1550.0	1454.6	1409.3	1383.9
10°	1626.3	1762.7	1811.1	1821.0	1764.0	1631.3	1483.1	1329.9	1305.8	1261.7
12.5°	1566.2	1665.4	1695.1	1721.8	1702.0	1602.7	1432.2	1285.3	1251.8	1222.7
15°	1517.2	1576.1	1588.5	1618.9	1630.7	1577.3	1458.9	1333.7	1251.2	1248.1
17.5°	1562.4	1538.3	1493.0	1502.3	1539.5	1577.9	1527.7	1429.1	1349.2	1339.2
20°	1637.5	1530.8	1428.5	1451.5	1482.5	1600.3	1631.9	1562.4	1516.6	1491.1
22.5°	1723.7	1543.8	1408.1	1419.2	1478.1	1650.5	1800.5	1762.1	1676.5	1640.0
25°	1883.0	1579.8	1424.2	1431.6	1512.2	1720.6	1953.1	1981.6	1930.7	1923.3
27.5°	2038.6	1672.8	1459.5	1442.8	1529.6	1788.8	2045.4	2198.6	2109.3	2091.9
30°	2118.0	1748.5	1512.2	1483.7	1601.5	1830.3	2101.2	2340.0	2261.8	2253.8
32.5°	2239.5	1817.3	1553.1	1516.6	1641.8	1881.8	2205.4	2494.3	2418.7	2378.4
35°	2290.4	1892.3	1643.1	1600.3	1757.1	1953.7	2258.7	2632.0	2608.4	2569.4
37.5°	2388.3	1972.9	1749.1	1746.6	1896.6	2047.3	2354.8	2819.2	2814.9	2747.3
40°	2396.4	2060.9	1916.5	1994.6	2112.4	2210.4	2439.2	2871.3	2942.0	2896.1
42.5°	2408.8	2215.3	2206.0	2270.5	2371.6	2350.5	2442.3	2883.7	2991.6	2964.3
45°	2414.4	2369.7	2500.5	2619.6	2661.7	2534.0	2413.1	2860.1	3017.6	2949.4
47.5°	2369.7	2502.4	2738.6	2968.7	2981.1	2646.9	2400.7	2836.0	3033.1	2987.9
50°	2375.9	2585.5	2944.5	3150.3	3105.1	2746.7	2381.5	2821.1	3025.1	2994.7
52°	2361.0	2587.3	2973.6	3146.6	3115.0	2691.5	2348.6	2764.0	3017.6	3039.3
52.5°	2377.8	2576.2	2943.2	3149.1	3108.2	2718.8	2344.3	2795.7	3022.0	2978.0
55°	2320.1	2443.5	2765.3	2852.7	2846.5	2467.7	2211.0	2690.9	2908.5	2909.1
57.5°	2096.9	2118.0	2168.8	2167.0	2138.4	1940.0	1891.1	2474.5	2592.9	2528.4
60°	1847.7	1550.7	1413.6	1357.8	1326.2	1294.0	1672.8	2263.7	2274.9	2247.6
62.5°	1596.5	1075.1	892.8	877.3	884.8	1002.6	1617.0	2180.0	2113.0	2054.1
65°	1288.4	783.7	648.5	628.1	700.6	827.7	1308.9	1671.6	1568.6	1519.7
67.5°	809.1	571.7	438.4	399.9	487.3	569.8	860.0	1050.3	935.0	867.4
70°	479.9	319.3	198.4	177.9	200.3	303.8	481.8	523.9	433.4	398.7
72.5°	189.1	117.2	55.2	47.1	49.0	106.6	177.3	173.0	130.8	116.6
75°	50.8	35.3	19.2	15.5	13.0	19.8	28.5	18.6	6.8	8.7
77.5°	23.6	21.1	16.7	13.0	9.9	7.4	3.7	1.2	1.2	0.6
80°	20.5	18.0	15.5	13.0	9.9	6.2	3.1	0.6	0.6	0.6
82.5°	19.2	16.7	14.3	11.8	9.3	6.2	3.1	0.6	0.0	0.0
85°	8.1	10.5	11.8	11.2	9.9	6.2	3.1	0.6	0.0	0.0
87.5°	4.3	3.7	3.1	2.5	1.9	1.2	1.2	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

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