

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: P531617

Luminaire Tested: **GALN-SA6D-830-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531617
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-SA6D-830-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH 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: 20153 lumens
Efficiency: N/A
Efficacy: 54.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 368
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

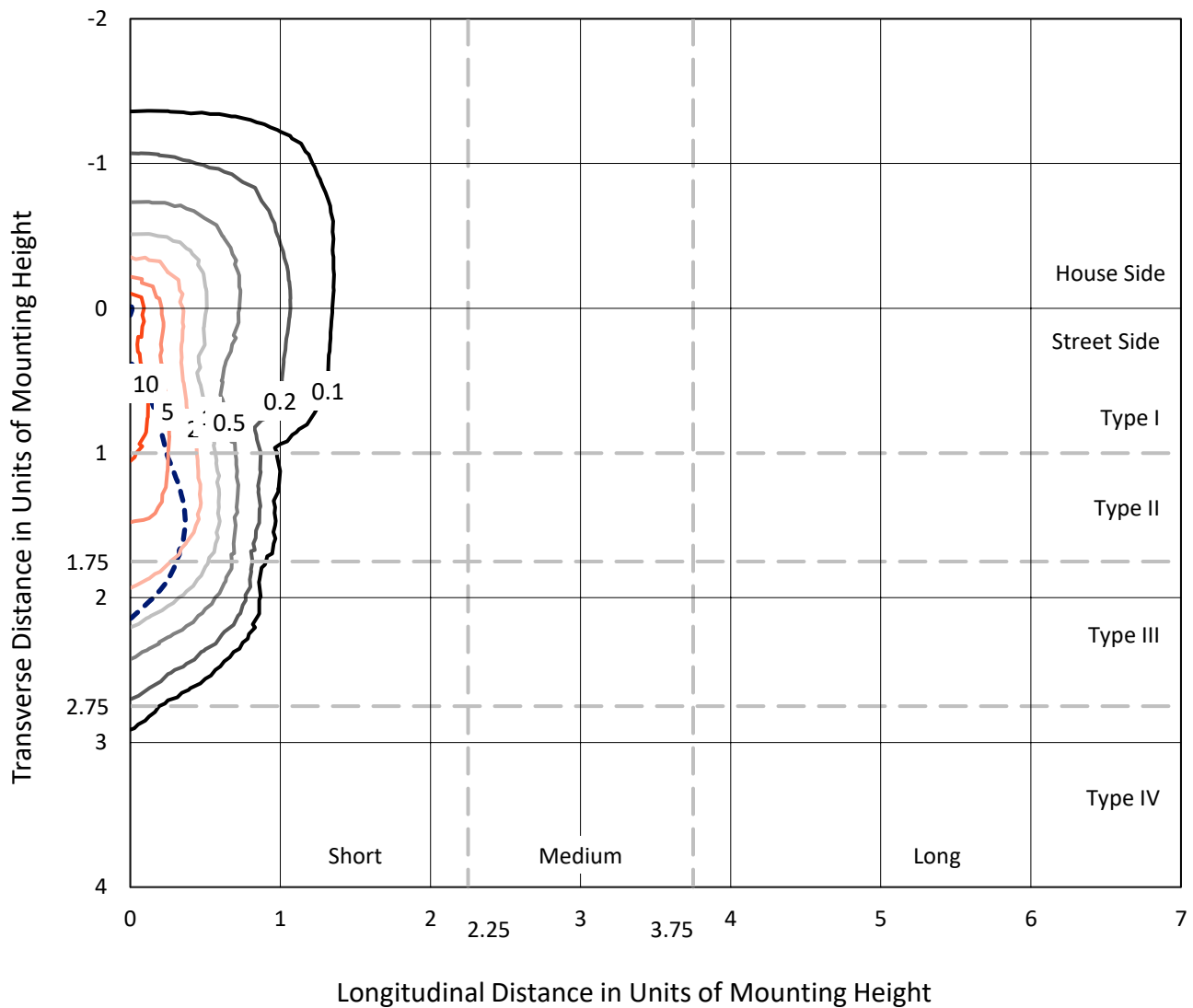


REPORT NUMBER: P531617

CATALOG NUMBER: GALN-SA6D-830-U-SLR-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

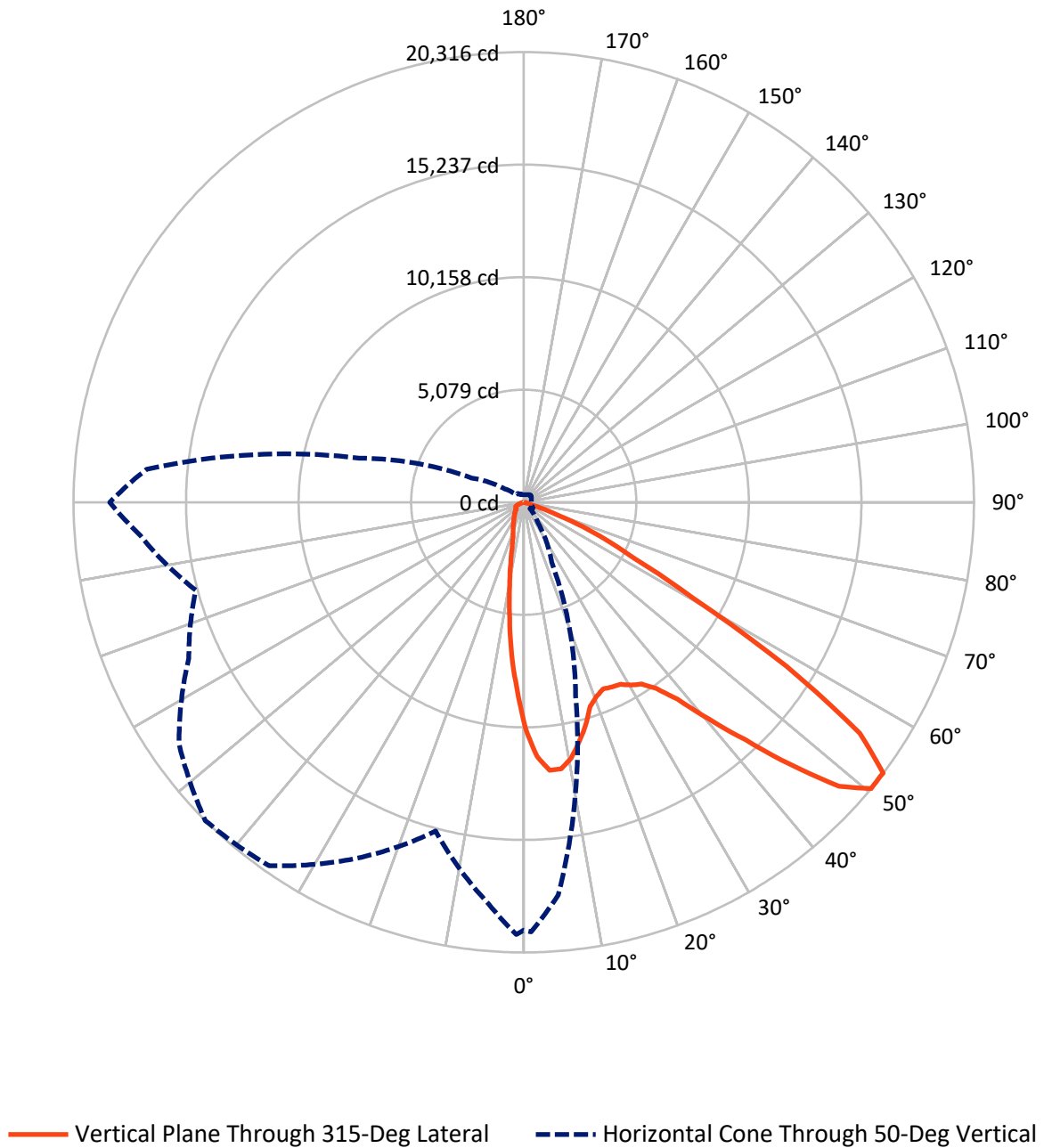


Based on 25 foot mounting height. Maximum calculated value = 16.4 fc
 Type III - Short - N/A

REPORT NUMBER: P531617

CATALOG NUMBER: GALN-SA6D-830-U-SLR-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P531617

CATALOG NUMBER: GALN-SA6D-830-U-SLR-GRSBK

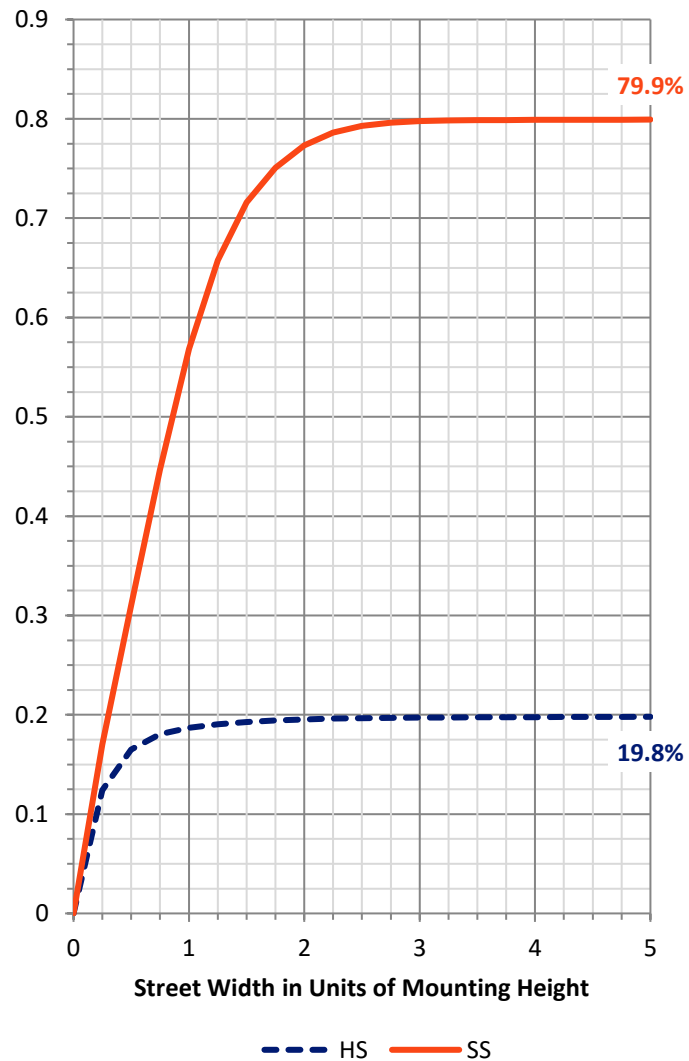
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4036.7	0.0	4036.7
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	16116.4	0.0	16116.4
	% Fixture	80.0	0.0	80.0
Total	Lumens	20153.0	0.0	20153.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	744.9	3.7
10°-20°	1480.5	7.3
20°-30°	2224.2	11.0
30°-40°	3338.5	16.6
40°-50°	4692.0	23.3
50°-60°	5061.1	25.1
60°-70°	2349.9	11.7
70°-80°	221.1	1.1
80°-90°	40.8	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°	20153.0	100.0
0°-180°	20153.0	100.0

Coefficient of Utilization



REPORT NUMBER: P531617

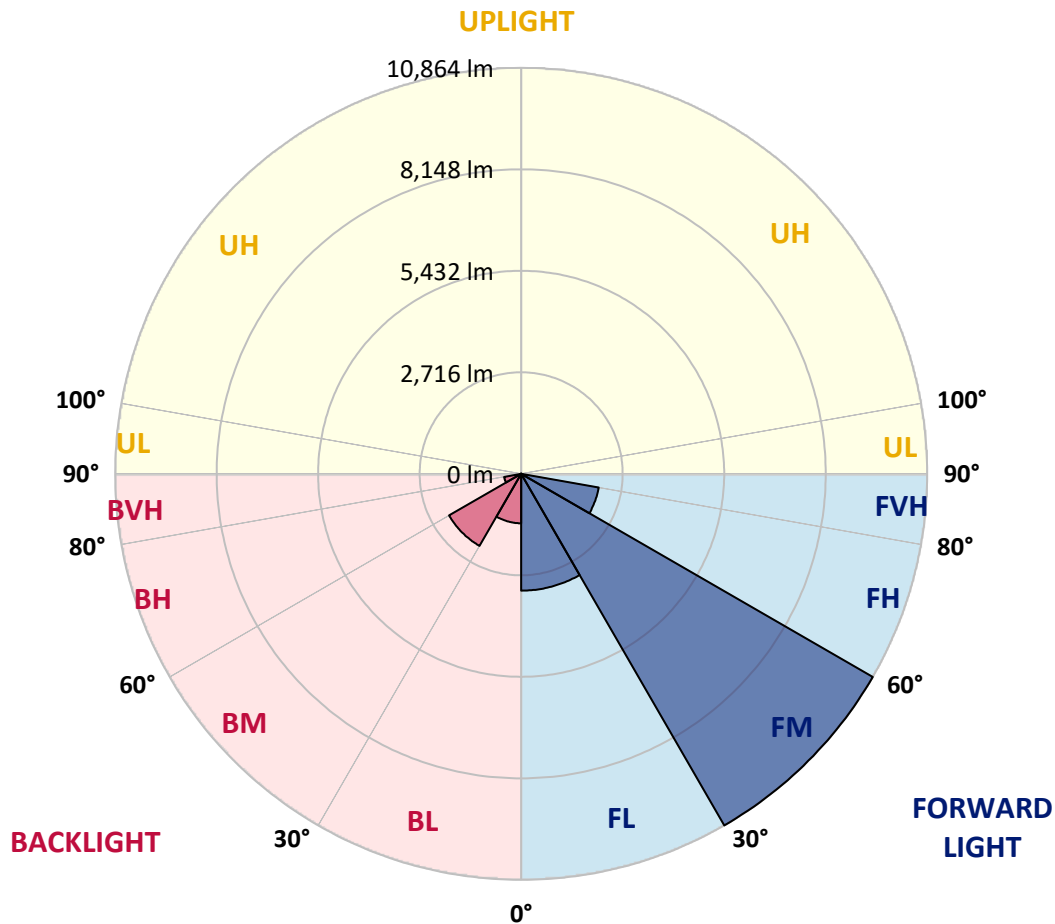
CATALOG NUMBER: GALN-SA6D-830-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3126.6	15.5			
FM	(30°-60°)	10864.0	53.9			
FH	(60°-80°)	2107.5	10.5			G2/5000
FVH	(80°-90°)	18.4	0.1			G1/100
BL	(0°-30°)	1323.1	6.6	B3/2500		
BM	(30°-60°)	2227.6	11.1	B2/2500		
BH	(60°-80°)	463.5	2.3	B1/500		G1/500
BVH	(80°-90°)	22.4	0.1			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 III Short



REPORT NUMBER: P531617

CATALOG NUMBER: GALN-SA6D-830-U-SLR-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1
2.5°	10624.0	10460.0	10252.1	10080.2	9824.3	9308.5	9168.5	9000.6	8860.6	8672.7	8408.8
5°	9660.3	9608.3	9512.4	8864.6	8396.8	7773.0	7261.2	7045.3	6761.4	6529.5	6361.6
7.5°	8924.6	8716.7	8412.8	7761.0	7013.3	6345.6	5777.8	5445.9	5070.1	4942.1	4714.2
10°	8136.9	8184.9	7737.1	6821.4	5917.7	5378.0	5026.1	4706.2	4366.3	4142.4	3818.5
12.5°	7885.0	7729.1	7385.2	6253.6	5481.9	4978.1	4550.3	4154.4	3794.6	3434.7	3122.8
15°	8048.9	7809.0	7329.2	6133.7	5146.0	4518.3	3982.5	3446.7	3114.8	2655.0	2331.1
17.5°	8636.7	8444.8	7801.0	6261.6	4974.1	4078.4	3282.8	2731.0	2223.2	1807.3	1643.4
20°	9616.3	9344.4	8536.8	6425.6	4718.2	3546.7	2663.0	1983.2	1503.4	1327.5	1235.5
22.5°	10576.0	10428.0	9408.4	6741.4	4490.3	3074.8	1999.2	1335.5	1123.6	1091.6	1031.6
25°	12403.3	11959.4	10739.9	7313.2	4314.4	2631.0	1507.4	1075.6	951.6	927.6	935.6
27.5°	13490.9	13119.0	11971.4	7693.1	4118.4	2291.1	1275.5	987.6	903.7	851.7	831.7
30°	14534.5	14102.6	12583.2	7917.0	3698.6	1931.3	1131.6	947.6	927.6	851.7	827.7
32.5°	15338.2	14914.3	13466.9	8252.9	3526.7	1699.4	931.6	739.7	687.7	679.7	751.7
35°	16569.7	16117.9	14222.6	8436.8	3394.7	1579.4	807.7	659.7	599.8	575.8	579.8
37.5°	17717.3	17409.4	14922.3	8508.8	3254.8	1543.4	723.7	591.8	539.8	523.8	519.8
40°	18676.9	17989.2	15586.1	8584.7	3194.8	1475.4	671.7	539.8	503.8	479.8	479.8
42.5°	19116.7	18417.0	16329.8	8540.8	3178.8	1367.5	671.7	495.8	467.8	443.8	439.8
45°	19020.8	18736.9	16661.7	8520.8	3178.8	1259.5	611.8	483.8	443.8	411.8	403.8
47.5°	19268.7	18896.8	17077.5	8604.7	3114.8	1183.5	515.8	507.8	419.8	379.9	371.9
50°	19312.7	19384.6	17801.2	9040.6	2974.9	1087.6	403.8	499.8	403.8	343.9	335.9
52°	19600.5	19152.7	18021.1	9272.5	2826.9	1015.6	339.9	427.8	387.9	319.9	311.9
52.5°	19204.7	19496.6	18073.1	9356.4	2842.9	967.6	327.9	419.8	379.9	319.9	299.9
55°	18760.9	19040.8	17861.2	9536.4	2607.0	759.7	255.9	303.9	343.9	279.9	267.9
57.5°	16305.8	16589.7	15522.1	8732.7	2123.2	535.8	211.9	227.9	303.9	259.9	247.9
60°	14494.5	14290.6	13027.0	7285.2	1507.4	299.9	167.9	175.9	331.9	239.9	235.9
62.5°	13247.0	12811.1	10887.9	5625.9	919.7	199.9	131.9	135.9	255.9	223.9	223.9
65°	9800.3	9312.5	7233.2	3402.7	451.8	139.9	100.0	108.0	159.9	191.9	191.9
67.5°	5593.9	5405.9	3494.7	1535.4	187.9	88.0	76.0	84.0	124.0	155.9	147.9
70°	2571.0	2307.1	1343.5	323.9	88.0	60.0	60.0	68.0	100.0	116.0	108.0
72.5°	751.7	711.7	327.9	52.0	36.0	36.0	40.0	52.0	76.0	88.0	80.0
75°	56.0	36.0	24.0	16.0	16.0	24.0	32.0	52.0	76.0	84.0	68.0
77.5°	4.0	8.0	4.0	4.0	12.0	24.0	36.0	64.0	100.0	104.0	76.0
80°	4.0	4.0	0.0	4.0	12.0	24.0	40.0	72.0	112.0	120.0	64.0
82.5°	0.0	0.0	0.0	4.0	16.0	32.0	48.0	76.0	104.0	128.0	68.0
85°	0.0	0.0	0.0	4.0	24.0	44.0	56.0	20.0	12.0	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: P531617

CATALOG NUMBER: GALN-SA6D-830-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1
2.5°	8596.7	8492.8	8452.8	8488.8	8476.8	8464.8	8684.7	8636.7	8628.7	8700.7	8684.7
5°	6453.5	6269.6	6773.4	6569.5	6781.4	6909.4	6933.4	6945.4	7093.3	6937.4	7141.3
7.5°	4598.3	4646.2	4642.2	4778.2	5022.1	5238.0	5366.0	5266.0	5258.0	5238.0	5150.0
10°	3674.6	3590.6	3574.6	3542.7	3618.6	3802.6	3958.5	3834.5	3746.6	3866.5	3830.5
12.5°	3002.9	2886.9	2822.9	2695.0	2699.0	2822.9	2822.9	2822.9	2910.9	2978.9	3030.8
15°	2303.1	2207.2	2207.2	2079.2	2051.2	2055.2	2119.2	2127.2	2267.1	2307.1	2327.1
17.5°	1611.4	1559.4	1619.4	1671.4	1639.4	1647.4	1671.4	1679.4	1699.4	1683.4	1723.3
20°	1239.5	1231.5	1247.5	1339.5	1407.5	1447.4	1419.5	1379.5	1355.5	1299.5	1299.5
22.5°	1051.6	1067.6	1095.6	1171.6	1259.5	1283.5	1251.5	1159.6	1087.6	1079.6	1083.6
25°	935.6	951.6	995.6	1043.6	1091.6	1131.6	1099.6	1031.6	991.6	955.6	955.6
27.5°	863.7	871.7	895.7	931.6	971.6	1003.6	991.6	955.6	911.7	895.7	859.7
30°	807.7	819.7	847.7	855.7	891.7	907.7	887.7	879.7	851.7	831.7	819.7
32.5°	779.7	775.7	795.7	803.7	807.7	819.7	795.7	807.7	803.7	771.7	759.7
35°	587.8	619.8	671.7	715.7	727.7	743.7	739.7	723.7	679.7	643.8	599.8
37.5°	527.8	547.8	575.8	611.8	659.7	679.7	671.7	631.8	579.8	555.8	547.8
40°	487.8	499.8	523.8	547.8	595.8	631.8	603.8	567.8	527.8	507.8	495.8
42.5°	451.8	455.8	467.8	491.8	527.8	583.8	535.8	487.8	471.8	459.8	451.8
45°	411.8	411.8	427.8	439.8	479.8	531.8	483.8	439.8	431.8	423.8	419.8
47.5°	379.9	383.9	391.9	407.8	439.8	475.8	443.8	407.8	387.9	383.9	375.9
50°	339.9	343.9	359.9	375.9	415.8	435.8	415.8	375.9	355.9	343.9	343.9
52°	307.9	319.9	335.9	367.9	395.8	427.8	403.8	359.9	335.9	323.9	315.9
52.5°	303.9	311.9	327.9	363.9	395.8	423.8	399.8	355.9	327.9	319.9	311.9
55°	271.9	283.9	311.9	355.9	391.9	423.8	391.9	351.9	311.9	291.9	283.9
57.5°	259.9	267.9	303.9	359.9	387.9	423.8	391.9	351.9	311.9	275.9	267.9
60°	247.9	263.9	303.9	347.9	383.9	427.8	395.8	347.9	303.9	259.9	259.9
62.5°	235.9	247.9	299.9	339.9	367.9	411.8	379.9	339.9	291.9	247.9	243.9
65°	203.9	223.9	263.9	283.9	315.9	355.9	323.9	295.9	255.9	219.9	215.9
67.5°	155.9	163.9	195.9	219.9	239.9	275.9	259.9	223.9	195.9	167.9	167.9
70°	108.0	116.0	139.9	151.9	171.9	191.9	179.9	151.9	131.9	116.0	112.0
72.5°	76.0	80.0	88.0	96.0	104.0	112.0	108.0	88.0	76.0	72.0	68.0
75°	60.0	68.0	72.0	68.0	64.0	60.0	60.0	52.0	44.0	40.0	40.0
77.5°	60.0	64.0	60.0	52.0	44.0	40.0	36.0	32.0	24.0	20.0	24.0
80°	52.0	52.0	52.0	44.0	40.0	36.0	32.0	28.0	24.0	20.0	20.0
82.5°	56.0	56.0	52.0	44.0	44.0	36.0	36.0	32.0	28.0	20.0	20.0
85°	0.0	0.0	0.0	8.0	20.0	36.0	36.0	32.0	28.0	24.0	24.0
87.5°	0.0	0.0	0.0	0.0	4.0	8.0	16.0	20.0	24.0	24.0	24.0
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: P531617

CATALOG NUMBER: GALN-SA6D-830-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1
2.5°	8828.6	8980.6	9268.5	9556.4	9732.3	9940.2	10316.1	10516.0	10775.9	10903.9	11155.8
5°	7113.3	7473.2	7601.1	7929.0	8280.8	8632.7	9192.5	9808.3	10320.1	10671.9	11127.8
7.5°	5190.0	5274.0	5769.8	5989.7	6565.5	7205.3	7969.0	8744.7	9392.4	9968.2	10316.1
10°	3890.5	4198.4	4510.3	4930.1	5393.9	6053.7	6785.4	7641.1	8480.8	9056.6	9496.4
12.5°	3126.8	3370.7	3786.6	4238.4	4810.2	5246.0	5981.7	6829.4	7917.0	8480.8	9060.6
15°	2367.1	2679.0	3150.8	3618.6	4222.4	4682.2	5425.9	6493.5	7893.0	8668.7	9168.5
17.5°	1755.3	1967.3	2391.1	2914.9	3530.7	4178.4	5182.0	6457.5	8160.9	9084.5	9600.3
20°	1343.5	1415.5	1683.4	2151.2	2818.9	3666.6	4786.2	6613.5	8952.6	10096.2	10620.0
22.5°	1087.6	1119.6	1223.5	1547.4	2195.2	3218.8	4598.3	6721.4	9844.3	11307.7	12007.4
25°	947.6	939.6	1007.6	1147.6	1715.3	2798.9	4358.3	7129.3	10935.8	12731.2	13358.9
27.5°	863.7	863.7	895.7	995.6	1423.5	2527.0	4206.4	7421.2	12035.4	13982.7	14322.6
30°	819.7	827.7	919.7	951.6	1183.5	2203.2	3954.5	7717.1	13087.0	14782.4	15250.2
32.5°	759.7	727.7	707.7	787.7	995.6	1911.3	3702.6	7841.0	13938.7	15762.0	16161.9
35°	583.8	567.8	591.8	651.8	855.7	1663.4	3422.7	7981.0	14918.3	16897.6	16977.5
37.5°	527.8	523.8	539.8	591.8	719.7	1447.4	3222.8	7945.0	15666.0	17837.2	17621.3
40°	487.8	487.8	499.8	543.8	643.8	1295.5	3014.9	7913.0	16389.8	18892.8	18261.1
42.5°	455.8	455.8	475.8	503.8	611.8	1195.5	2858.9	7869.0	16997.5	19540.6	18636.9
45°	411.8	423.8	455.8	483.8	619.8	1127.6	2743.0	7701.1	17205.5	19532.6	18457.0
47.5°	379.9	395.8	427.8	467.8	559.8	1107.6	2663.0	7553.1	17133.5	19052.8	17893.2
50°	343.9	363.9	407.8	475.8	475.8	1067.6	2579.0	7685.1	17081.5	18680.9	17353.4
52°	319.9	335.9	391.9	463.8	415.8	983.6	2527.0	7941.0	17293.4	18632.9	17113.5
52.5°	315.9	327.9	379.9	455.8	395.8	967.6	2491.1	8001.0	17361.4	18513.0	17277.4
55°	279.9	295.9	347.9	355.9	323.9	795.7	2375.1	8136.9	17025.5	18277.0	17121.5
57.5°	263.9	271.9	307.9	291.9	279.9	599.8	2043.2	7925.0	15122.2	16233.8	15929.9
60°	243.9	251.9	287.9	227.9	235.9	419.8	1535.4	6881.4	12143.4	13526.9	14074.6
62.5°	235.9	231.9	271.9	183.9	199.9	303.9	1083.6	5593.9	9356.4	11135.8	12083.4
65°	207.9	203.9	195.9	155.9	171.9	235.9	647.8	3650.6	6593.5	8424.8	8944.6
67.5°	159.9	167.9	143.9	124.0	143.9	183.9	359.9	1635.4	3458.7	5054.1	5473.9
70°	112.0	120.0	116.0	108.0	128.0	151.9	207.9	559.8	1431.5	2655.0	2926.9
72.5°	68.0	84.0	88.0	92.0	112.0	131.9	147.9	179.9	379.9	939.6	1167.6
75°	40.0	56.0	68.0	80.0	92.0	112.0	124.0	128.0	131.9	175.9	283.9
77.5°	28.0	40.0	60.0	76.0	92.0	112.0	131.9	139.9	131.9	124.0	131.9
80°	24.0	40.0	56.0	72.0	96.0	116.0	131.9	131.9	128.0	112.0	120.0
82.5°	24.0	40.0	60.0	76.0	92.0	112.0	128.0	131.9	120.0	112.0	116.0
85°	28.0	44.0	64.0	80.0	100.0	92.0	84.0	68.0	64.0	52.0	56.0
87.5°	28.0	40.0	40.0	44.0	48.0	48.0	48.0	44.0	36.0	32.0	32.0
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: P531617

CATALOG NUMBER: GALN-SA6D-830-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1	10220.1
2.5°	11167.8	11487.6	11475.6	11483.6	11435.6	11111.8	10955.8	10560.0	10671.9	10624.0
5°	11595.6	11911.5	12183.4	12151.4	11783.5	11343.7	10691.9	10076.2	9908.2	9660.3
7.5°	11167.8	11927.5	12179.4	12143.4	11599.6	11035.8	9996.2	9380.4	9088.5	8924.6
10°	10488.0	11367.7	11679.6	11743.5	11375.7	10520.0	9564.4	8576.7	8420.8	8136.9
12.5°	10100.2	10739.9	10931.8	11103.8	10975.8	10336.1	9236.5	8288.8	8072.9	7885.0
15°	9784.3	10164.1	10244.1	10440.0	10516.0	10172.1	9408.4	8600.7	8068.9	8048.9
17.5°	10076.2	9920.2	9628.3	9688.3	9928.2	10176.1	9852.3	9216.5	8700.7	8636.7
20°	10560.0	9872.2	9212.5	9360.4	9560.4	10320.1	10524.0	10076.2	9780.3	9616.3
22.5°	11115.8	9956.2	9080.5	9152.5	9532.4	10644.0	11611.6	11363.7	10811.9	10576.0
25°	12143.4	10188.1	9184.5	9232.5	9752.3	11095.8	12595.2	12779.1	12451.3	12403.3
27.5°	13147.0	10787.9	9412.4	9304.5	9864.2	11535.6	13191.0	14178.6	13602.8	13490.9
30°	13658.8	11275.7	9752.3	9568.4	10328.1	11803.5	13550.8	15090.3	14586.4	14534.5
32.5°	14442.5	11719.5	10016.2	9780.3	10588.0	12135.4	14222.6	16085.9	15598.1	15338.2
35°	14770.4	12203.4	10596.0	10320.1	11331.7	12599.2	14566.5	16973.5	16821.6	16569.7
37.5°	15402.1	12723.2	11279.7	11263.7	12231.3	13203.0	15186.2	18181.1	18153.1	17717.3
40°	15454.1	13290.9	12359.3	12863.1	13622.8	14254.6	15730.0	18517.0	18972.8	18676.9
42.5°	15534.1	14286.6	14226.6	14642.4	15294.2	15158.2	15750.0	18596.9	19292.7	19116.7
45°	15570.1	15282.2	16125.9	16893.6	17165.5	16341.8	15562.1	18445.0	19460.6	19020.8
47.5°	15282.2	16137.9	17661.3	19144.7	19224.7	17069.5	15482.1	18289.0	19560.6	19268.7
50°	15322.2	16673.7	18988.8	20316.3	20024.4	17713.3	15358.2	18193.1	19508.6	19312.7
52°	15226.2	16685.7	19176.7	20292.3	20088.4	17357.4	15146.2	17825.2	19460.6	19600.5
52.5°	15334.2	16613.7	18980.8	20308.3	20044.4	17533.3	15118.2	18029.1	19488.6	19204.7
55°	14962.3	15758.0	17833.2	18397.0	18357.0	15913.9	14258.6	17353.4	18756.9	18760.9
57.5°	13522.9	13658.8	13986.7	13974.7	13790.8	12511.2	12195.4	15957.9	16721.6	16305.8
60°	11915.5	10000.2	9116.5	8756.7	8552.7	8344.8	10787.9	14598.4	14670.4	14494.5
62.5°	10296.1	6933.4	5757.8	5657.8	5705.8	6465.5	10428.0	14058.7	13626.8	13247.0
65°	8308.8	5054.1	4182.4	4050.5	4518.3	5338.0	8440.8	10779.9	10116.2	9800.3
67.5°	5218.0	3686.6	2826.9	2579.0	3142.8	3674.6	5545.9	6773.4	6029.7	5593.9
70°	3094.8	2059.2	1279.5	1147.6	1291.5	1959.3	3106.8	3378.7	2794.9	2571.0
72.5°	1219.5	755.7	355.9	303.9	315.9	687.7	1143.6	1115.6	843.7	751.7
75°	327.9	227.9	124.0	100.0	84.0	128.0	183.9	120.0	44.0	56.0
77.5°	151.9	135.9	108.0	84.0	64.0	48.0	24.0	8.0	8.0	4.0
80°	131.9	116.0	100.0	84.0	64.0	40.0	20.0	4.0	4.0	4.0
82.5°	124.0	108.0	92.0	76.0	60.0	40.0	20.0	4.0	0.0	0.0
85°	52.0	68.0	76.0	72.0	64.0	40.0	20.0	4.0	0.0	0.0
87.5°	28.0	24.0	20.0	16.0	12.0	8.0	8.0	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

(END OF REPORT)