

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: P532785

Luminaire Tested: **GALN-SA8A-830-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532785
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-SA8A-830-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH 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: 16222 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 244
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

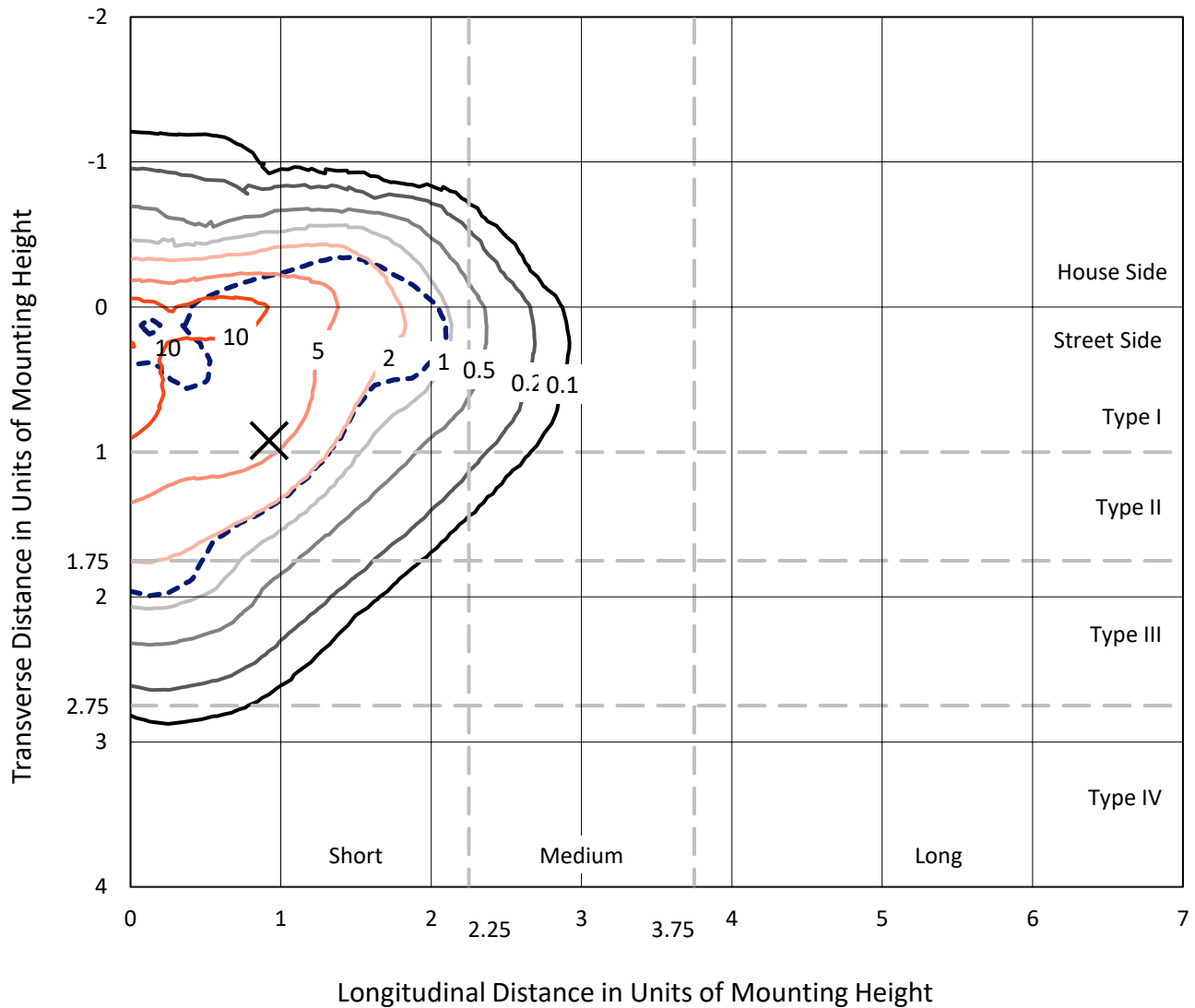


REPORT NUMBER: P532785

CATALOG NUMBER: GALN-SA8A-830-U-SLL-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

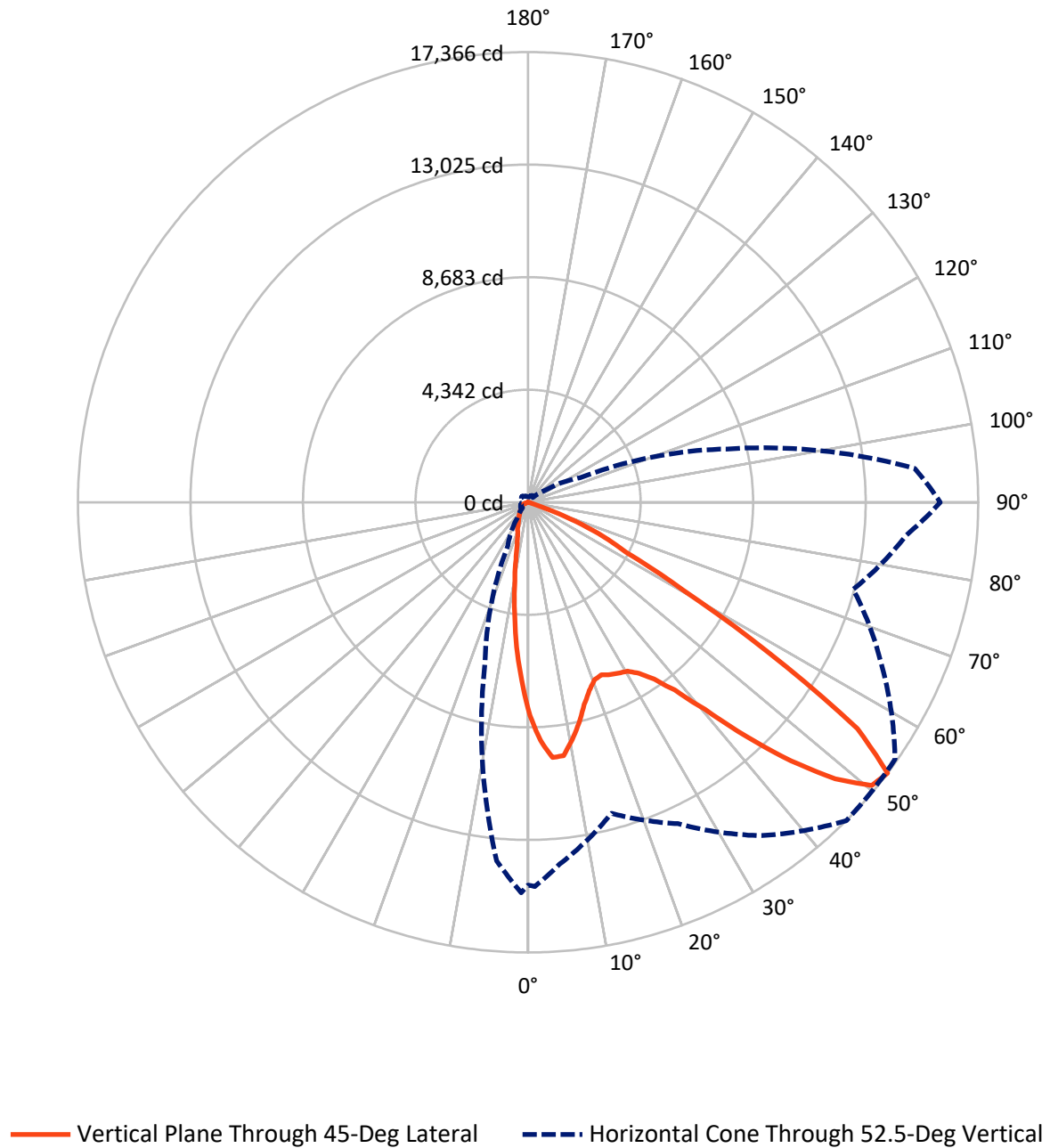
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 fc
 Type III - Short - N/A

REPORT NUMBER: P532785
CATALOG NUMBER: GALN-SA8A-830-U-SLL-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P532785

CATALOG NUMBER: GALN-SA8A-830-U-SLL-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3292.3	0.0	3292.3
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	12929.7	0.0	12929.7
	% Fixture	79.7	0.0	79.7
Total	Lumens	16222.0	0.0	16222.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	599.9	3.7
10°-20°	1183.5	7.3
20°-30°	1801.1	11.1
30°-40°	2691.9	16.6
40°-50°	3833.6	23.6
50°-60°	4121.0	25.4
60°-70°	1826.1	11.3
70°-80°	147.7	0.9
80°-90°	17.2	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°	16222.0	100.0
0°-180°	16222.0	100.0

Coefficient of Utilization



REPORT NUMBER: P532785

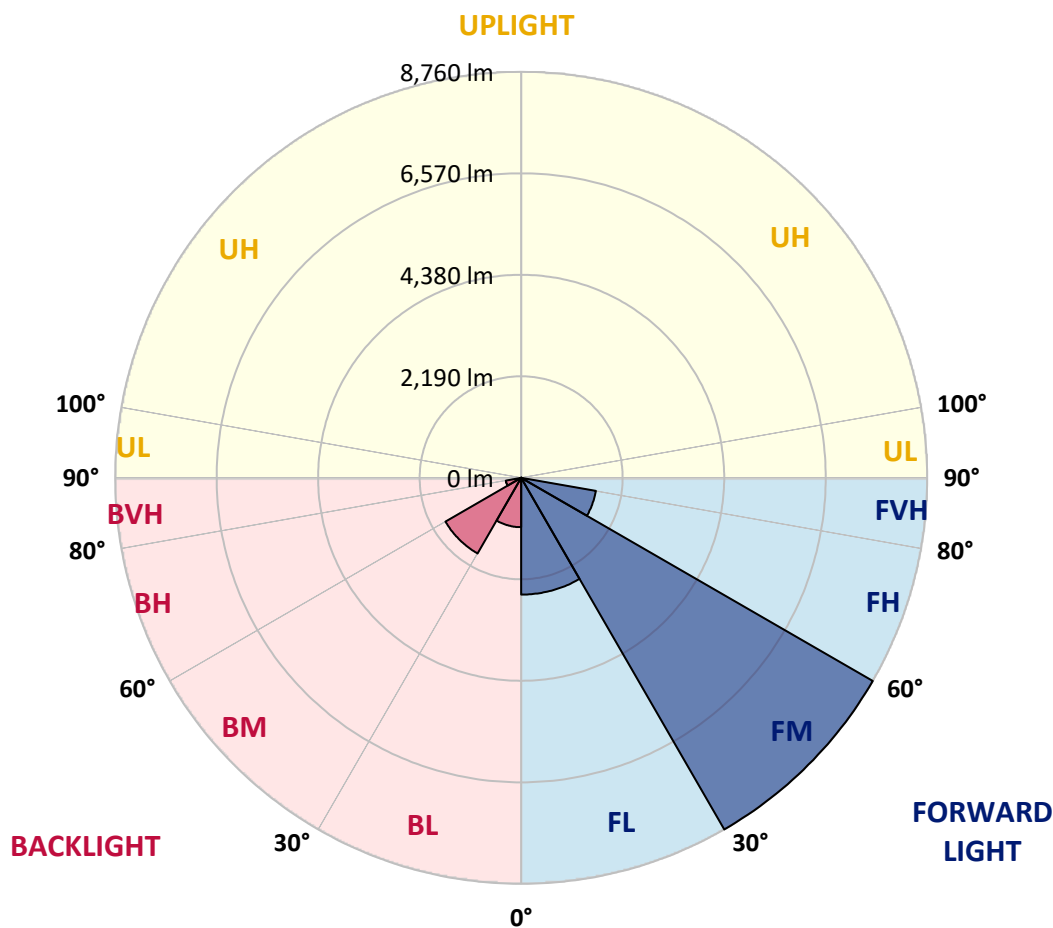
CATALOG NUMBER: GALN-SA8A-830-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2519.6	15.5			
FM	(30°-60°)	8760.4	54.0			
FH	(60°-80°)	1637.0	10.1			G1/1800
FVH	(80°-90°)	12.8	0.1			G1/100
BL	(0°-30°)	1064.8	6.6	B3/2500		
BM	(30°-60°)	1886.1	11.6	B2/2500		
BH	(60°-80°)	336.8	2.1	B1/500		G1/500
BVH	(80°-90°)	4.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type III Short



REPORT NUMBER: P532785

CATALOG NUMBER: GALN-SA8A-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3
2.5°	8703.9	8729.4	8869.8	9045.3	9137.8	9348.4	9201.6	9239.9	9160.1	8879.4	8659.2
5°	8439.1	8435.9	8614.6	9048.5	9460.1	9878.0	9890.8	9667.4	9275.0	8844.3	8228.5
7.5°	7641.4	7765.9	7950.9	8643.3	9405.8	9718.5	9868.5	9606.8	9003.8	8388.0	7721.2
10°	7038.4	7102.2	7414.9	8250.8	8809.2	9227.1	9319.7	9169.7	8707.1	7938.2	7191.6
12.5°	6690.6	6722.5	7089.5	7791.4	8381.6	8691.1	8735.8	8806.0	8474.2	7753.1	6856.6
15°	6693.8	6719.4	7213.9	7801.0	8033.9	7950.9	8097.7	8094.5	8238.1	7718.0	7137.3
17.5°	7175.6	7204.3	7651.0	7941.3	7839.2	7644.6	7635.1	7781.8	8084.9	8155.1	7561.7
20°	8005.2	8072.2	8400.8	8384.8	7810.5	7418.1	7309.6	7421.3	8126.4	8525.2	8416.7
22.5°	9121.9	9214.4	9444.1	9003.8	7941.3	7264.9	7229.8	7446.8	8400.8	9351.6	9386.7
25°	10417.2	10573.6	10685.2	10120.5	8407.2	7529.8	7363.9	7737.1	8770.9	10248.1	10621.4
27.5°	11275.5	11438.2	11412.7	10605.5	8719.8	7600.0	7459.6	7807.3	9093.1	10461.9	11265.9
30°	11945.5	12044.4	12223.1	10867.1	9032.5	7797.8	7558.5	8104.1	9198.4	10832.0	12044.4
32.5°	12727.2	12794.2	12807.0	11329.7	9514.3	8046.6	7864.8	8474.2	9664.3	11186.2	12733.6
35°	13515.3	13614.2	13406.8	11900.9	9811.0	8509.3	8375.3	9115.5	10037.6	11553.1	13493.0
37.5°	14370.4	14421.4	13942.8	12137.0	10235.4	9262.2	9188.9	9807.8	10685.2	12216.7	14335.3
40°	15088.2	15136.1	14513.9	12427.3	10682.1	10315.1	10503.4	11128.7	11565.8	12647.4	14756.4
42.5°	15487.1	15598.7	14705.4	12267.8	11578.6	11508.4	12344.3	12564.5	12586.8	12768.7	15132.9
45°	15595.5	15544.5	14389.5	12398.6	12363.5	13470.6	14230.0	14520.3	13601.4	12992.0	15228.6
47.5°	15094.6	15161.6	13923.7	12283.7	13394.0	14957.4	15940.1	16479.3	14357.6	12797.4	14992.5
50°	14689.4	14603.3	13773.7	12200.8	13671.6	15659.4	17174.9	17296.1	15053.1	13036.7	14734.1
52.5°	14769.2	14823.4	14013.0	12420.9	13678.0	15700.8	17366.3	17283.4	15075.5	12982.5	14641.6
55°	14938.3	14699.0	13910.9	11935.9	12762.3	14542.7	15413.7	15286.1	13914.1	12405.0	14415.0
57.5°	12889.9	13260.0	12791.0	10656.5	10474.7	10956.4	10940.5	11332.9	10378.9	10675.7	13122.8
60°	10461.9	10525.7	10701.2	9115.5	7249.0	7083.1	6853.4	6604.5	6984.2	9128.2	11935.9
62.5°	9201.6	9125.1	9750.4	8292.3	5117.7	4284.9	4246.7	4399.8	5388.9	8707.1	11195.7
65°	6687.4	6783.2	7236.2	6435.4	3841.5	3270.3	3212.9	3666.0	4361.5	6977.8	8544.4
67.5°	4083.9	4269.0	4310.5	3969.1	2606.7	2070.7	1987.7	2399.3	3149.1	4514.7	5009.2
70°	1885.6	2109.0	2319.5	2166.4	1509.1	851.9	804.0	1008.2	1588.9	2597.1	2657.8
72.5°	571.1	574.3	804.0	839.1	488.2	191.4	169.1	223.3	539.2	858.3	902.9
75°	41.5	44.7	108.5	124.4	92.5	47.9	51.0	60.6	114.9	191.4	143.6
77.5°	3.2	3.2	3.2	16.0	28.7	31.9	41.5	47.9	60.6	70.2	63.8
80°	3.2	0.0	3.2	12.8	22.3	31.9	38.3	44.7	47.9	54.2	47.9
82.5°	0.0	0.0	0.0	9.6	22.3	31.9	35.1	47.9	54.2	63.8	54.2
85°	0.0	0.0	0.0	9.6	22.3	35.1	31.9	16.0	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: P532785

CATALOG NUMBER: GALN-SA8A-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3
2.5°	8697.5	8573.1	8289.1	8145.5	7807.3	7759.5	7427.7	7373.4	7261.8	7201.1	7054.4
5°	7957.3	7807.3	7344.7	6955.5	6502.4	6186.5	5944.0	5723.9	5596.3	5478.2	5532.5
7.5°	7354.3	6917.2	6403.5	5752.6	5229.4	4891.2	4521.0	4217.9	4039.3	3918.0	3946.7
10°	6722.5	6438.6	5723.9	4993.3	4361.5	4122.2	3831.9	3599.0	3346.9	3130.0	3027.9
12.5°	6524.7	6103.6	5207.0	4463.6	3985.0	3752.1	3420.3	3152.3	2830.0	2565.2	2472.7
15°	6559.8	6154.6	5066.6	4272.2	3707.5	3305.4	2909.8	2578.0	2223.8	2038.8	1943.1
17.5°	7130.9	6429.0	5159.2	4071.2	3321.4	2763.0	2274.9	1853.7	1588.9	1397.5	1356.0
20°	7832.9	7022.5	5357.0	3924.4	3005.5	2198.3	1662.3	1298.6	1078.4	1046.5	1036.9
22.5°	8860.2	7992.4	5781.3	3825.5	2619.5	1713.3	1139.0	944.4	883.8	877.4	880.6
25°	10296.0	9208.0	6244.0	3742.5	2329.1	1320.9	931.6	800.8	781.7	772.1	788.1
27.5°	10918.2	9941.8	6489.6	3563.9	2064.3	1190.1	918.9	794.5	740.2	724.3	733.8
30°	11687.1	10430.0	6875.7	3257.6	1675.1	979.5	858.3	864.6	839.1	759.4	733.8
32.5°	12708.1	11039.4	7070.3	3040.6	1496.4	810.4	628.5	577.5	644.5	657.3	679.6
35°	13362.1	11658.4	7169.2	2913.0	1403.9	692.4	532.8	485.0	469.0	472.2	485.0
37.5°	14577.7	12494.3	7293.7	2779.0	1333.7	603.0	481.8	437.1	414.8	414.8	427.5
40°	15305.2	13157.9	7462.8	2705.6	1263.5	548.8	437.1	398.8	379.7	379.7	386.1
42.5°	15487.1	13486.6	7405.3	2680.1	1183.7	536.0	398.8	370.1	347.8	344.6	341.4
45°	15812.5	13987.5	7414.9	2651.4	1100.7	488.2	376.5	344.6	312.7	309.5	306.3
47.5°	16169.8	14348.0	7434.0	2539.7	1021.0	408.4	392.4	319.1	280.8	274.4	274.4
50°	15863.5	14635.2	7600.0	2428.0	918.9	331.8	386.1	299.9	248.9	239.3	242.5
52.5°	15901.8	14973.4	7950.9	2271.7	791.3	264.8	312.7	284.0	226.5	210.6	213.8
55°	15289.2	14616.0	7998.8	2105.8	619.0	204.2	239.3	248.9	191.4	185.1	185.1
57.5°	13161.1	12376.2	7057.6	1707.0	408.4	169.1	172.3	217.0	165.9	159.5	162.7
60°	11262.7	9935.5	5679.2	1126.3	255.2	134.0	124.4	220.1	146.8	143.6	153.1
62.5°	10267.3	8164.7	4307.3	698.7	175.5	102.1	86.1	178.7	127.6	127.6	140.4
65°	7418.1	5484.6	2504.6	366.9	124.4	79.8	63.8	102.1	105.3	108.5	114.9
67.5°	4594.4	2769.4	1056.1	178.7	83.0	54.2	41.5	63.8	70.2	70.2	76.6
70°	2268.5	1103.9	351.0	102.1	63.8	44.7	28.7	35.1	35.1	31.9	35.1
72.5°	701.9	331.8	89.3	63.8	44.7	28.7	16.0	12.8	6.4	0.0	3.2
75°	79.8	63.8	57.4	44.7	28.7	12.8	3.2	0.0	0.0	0.0	0.0
77.5°	47.9	54.2	54.2	44.7	28.7	9.6	0.0	0.0	0.0	0.0	0.0
80°	38.3	41.5	44.7	41.5	25.5	12.8	0.0	0.0	0.0	0.0	0.0
82.5°	47.9	54.2	60.6	54.2	35.1	16.0	6.4	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	9.6	3.2	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: P532785

CATALOG NUMBER: GALN-SA8A-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3
2.5°	6993.7	6923.6	7022.5	6875.7	6872.5	6875.7	6834.2	6795.9	6856.6	7019.3	7035.2
5°	5337.8	5487.8	5535.7	5692.0	5605.8	5478.2	5503.7	5417.6	5628.2	5720.7	5647.3
7.5°	3886.1	3876.6	4198.8	4217.9	4259.4	4262.6	4256.2	4087.1	3914.8	3953.1	4068.0
10°	3015.1	2852.4	3008.7	2992.8	3094.9	3066.1	3107.6	2925.8	2986.4	2986.4	3059.8
12.5°	2456.7	2284.5	2255.7	2214.3	2255.7	2271.7	2287.6	2252.5	2354.6	2402.5	2453.6
15°	1876.1	1780.3	1754.8	1675.1	1687.8	1732.5	1770.8	1786.7	1754.8	1828.2	1834.6
17.5°	1362.4	1359.2	1375.1	1371.9	1359.2	1349.6	1346.4	1304.9	1292.2	1298.6	1324.1
20°	1033.7	1059.3	1113.5	1167.8	1196.5	1161.4	1113.5	1043.3	1014.6	1021.0	1024.2
22.5°	883.8	922.1	995.5	1056.1	1084.8	1021.0	934.8	874.2	861.5	858.3	855.1
25°	800.8	845.5	899.7	918.9	915.7	877.4	813.6	788.1	781.7	775.3	746.6
27.5°	756.2	772.1	781.7	804.0	813.6	788.1	772.1	733.8	727.5	727.5	708.3
30°	730.6	721.1	733.8	717.9	730.6	711.5	714.7	714.7	698.7	705.1	705.1
32.5°	679.6	682.8	682.8	650.9	660.4	638.1	660.4	679.6	682.8	686.0	711.5
35°	497.7	555.2	583.9	583.9	593.4	577.5	574.3	552.0	523.3	494.5	481.8
37.5°	437.1	459.4	497.7	520.1	536.0	523.3	494.5	459.4	443.5	430.7	418.0
40°	389.3	408.4	433.9	459.4	491.3	475.4	430.7	414.8	395.6	395.6	382.9
42.5°	351.0	360.5	376.5	414.8	449.9	418.0	386.1	373.3	363.7	360.5	357.3
45°	315.9	319.1	335.0	366.9	408.4	376.5	344.6	328.6	331.8	335.0	331.8
47.5°	284.0	290.3	299.9	338.2	363.7	347.8	312.7	303.1	303.1	303.1	306.3
50°	245.7	261.6	280.8	312.7	331.8	322.2	293.5	280.8	274.4	274.4	277.6
52.5°	220.1	232.9	258.4	296.7	322.2	306.3	277.6	258.4	245.7	242.5	248.9
55°	191.4	213.8	255.2	284.0	319.1	303.1	271.2	248.9	226.5	223.3	223.3
57.5°	172.3	207.4	245.7	280.8	309.5	296.7	271.2	242.5	213.8	210.6	210.6
60°	162.7	201.0	239.3	271.2	309.5	290.3	268.0	236.1	204.2	204.2	201.0
62.5°	153.1	188.2	226.5	258.4	296.7	280.8	258.4	226.5	194.6	194.6	188.2
65°	127.6	162.7	188.2	217.0	258.4	242.5	220.1	197.8	172.3	165.9	169.1
67.5°	89.3	111.7	137.2	165.9	191.4	185.1	175.5	159.5	137.2	134.0	130.8
70°	44.7	60.6	83.0	111.7	134.0	127.6	121.2	108.5	95.7	92.5	92.5
72.5°	6.4	19.1	35.1	51.0	70.2	73.4	70.2	67.0	63.8	60.6	63.8
75°	0.0	0.0	0.0	12.8	28.7	35.1	41.5	47.9	47.9	41.5	51.0
77.5°	0.0	0.0	0.0	0.0	3.2	16.0	31.9	41.5	51.0	44.7	60.6
80°	0.0	0.0	0.0	0.0	3.2	19.1	31.9	44.7	51.0	44.7	63.8
82.5°	0.0	0.0	0.0	0.0	3.2	22.3	31.9	41.5	47.9	44.7	57.4
85°	0.0	0.0	0.0	0.0	9.6	19.1	12.8	6.4	3.2	3.2	9.6
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: P532785

CATALOG NUMBER: GALN-SA8A-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3	8225.3
2.5°	7124.6	7351.1	7593.6	7686.1	7973.3	8190.2	8337.0	8652.8	8700.7	8703.9
5°	5723.9	5838.8	6253.5	6448.2	6875.7	7207.5	7561.7	8072.2	8413.6	8439.1
7.5°	4068.0	4387.0	4562.5	5069.8	5596.3	6116.3	6642.8	7236.2	7631.9	7641.4
10°	3273.5	3480.9	3793.6	4173.3	4616.8	5146.4	5848.3	6537.5	6939.5	7038.4
12.5°	2635.4	2999.1	3356.5	3748.9	4087.1	4486.0	5242.1	6161.0	6492.8	6690.6
15°	2029.2	2361.0	2782.2	3241.6	3624.5	4157.3	5018.8	6068.5	6626.8	6693.8
17.5°	1496.4	1793.1	2182.4	2616.3	3190.6	3946.7	5057.1	6537.5	7063.9	7175.6
20°	1075.2	1247.5	1553.8	2057.9	2788.6	3701.1	5095.4	7012.9	7813.7	8005.2
22.5°	851.9	922.1	1123.1	1569.8	2338.7	3442.6	5366.6	7922.2	8844.3	9121.9
25°	740.2	778.5	874.2	1237.9	2054.7	3417.1	5800.5	9013.4	10216.2	10417.2
27.5°	714.7	721.1	804.0	1135.8	1901.6	3248.0	5966.4	9788.7	11071.3	11275.5
30°	753.0	855.1	861.5	960.4	1617.6	2913.0	6052.5	10538.5	11795.6	11945.5
32.5°	650.9	619.0	641.3	743.4	1423.0	2718.4	6215.2	11192.5	12621.9	12727.2
35°	453.1	475.4	526.4	644.5	1244.3	2514.2	6256.7	11913.6	13406.8	13515.3
37.5°	418.0	430.7	472.2	548.8	1094.4	2399.3	6199.3	12440.1	14220.4	14370.4
40°	389.3	405.2	427.5	497.7	982.7	2271.7	6119.5	12915.5	14718.1	15088.2
42.5°	366.9	379.7	398.8	475.4	887.0	2144.1	6007.9	13585.5	15164.8	15487.1
45°	341.4	360.5	382.9	462.6	832.7	2057.9	5924.9	13544.0	15423.3	15595.5
47.5°	315.9	347.8	373.3	430.7	816.8	2016.4	5960.0	13387.7	15212.7	15094.6
50°	290.3	331.8	376.5	357.3	778.5	1933.5	6001.5	13601.4	14711.8	14689.4
52.5°	268.0	315.9	351.0	293.5	692.4	1853.7	6403.5	13882.2	15065.9	14769.2
55°	236.1	284.0	280.8	236.1	561.5	1793.1	6719.4	13888.6	14826.6	14938.3
57.5°	213.8	252.1	220.1	197.8	414.8	1499.6	6205.7	11645.6	12692.1	12889.9
60°	197.8	245.7	165.9	156.3	271.2	1081.6	5417.6	9019.8	10088.6	10461.9
62.5°	181.9	232.9	130.8	127.6	188.2	768.9	4454.0	7548.9	8694.3	9201.6
65°	159.5	165.9	105.3	98.9	134.0	414.8	2712.0	5197.5	6499.2	6687.4
67.5°	130.8	127.6	86.1	79.8	89.3	201.0	1196.5	2603.5	3768.1	4083.9
70°	105.3	105.3	73.4	63.8	63.8	92.5	312.7	1036.9	1703.8	1885.6
72.5°	76.6	79.8	57.4	51.0	47.9	44.7	51.0	207.4	446.7	571.1
75°	67.0	70.2	57.4	44.7	35.1	28.7	22.3	19.1	25.5	41.5
77.5°	73.4	73.4	60.6	41.5	31.9	22.3	12.8	6.4	6.4	3.2
80°	92.5	95.7	79.8	54.2	38.3	25.5	16.0	6.4	3.2	3.2
82.5°	98.9	108.5	89.3	67.0	47.9	28.7	16.0	3.2	0.0	0.0
85°	25.5	41.5	70.2	60.6	47.9	28.7	16.0	3.2	0.0	0.0
87.5°	0.0	3.2	9.6	9.6	12.8	12.8	9.6	3.2	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)