

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: P527640

Luminaire Tested: **GALN-SA2C-830-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527640
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2C-830-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8367 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 108
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



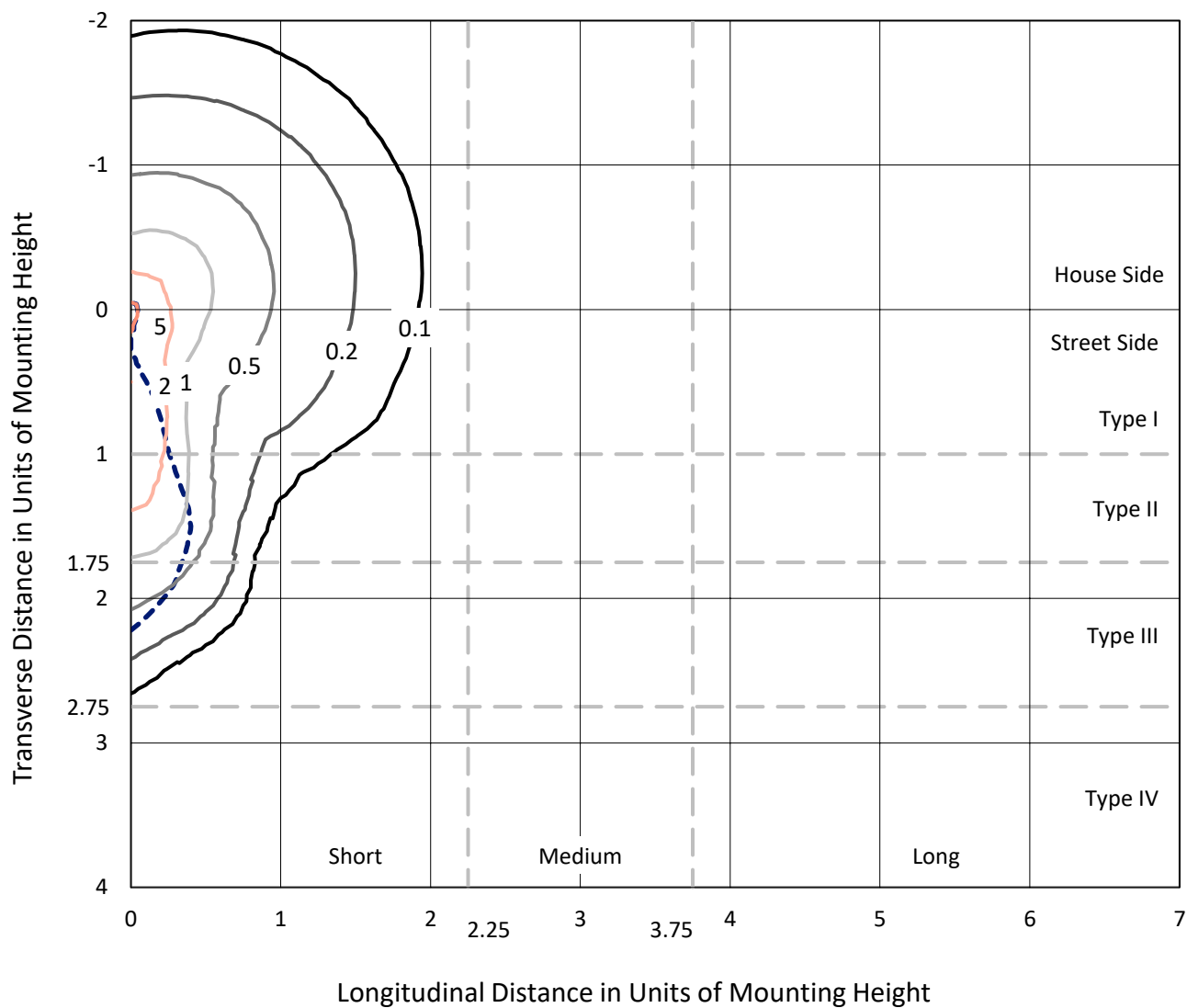
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

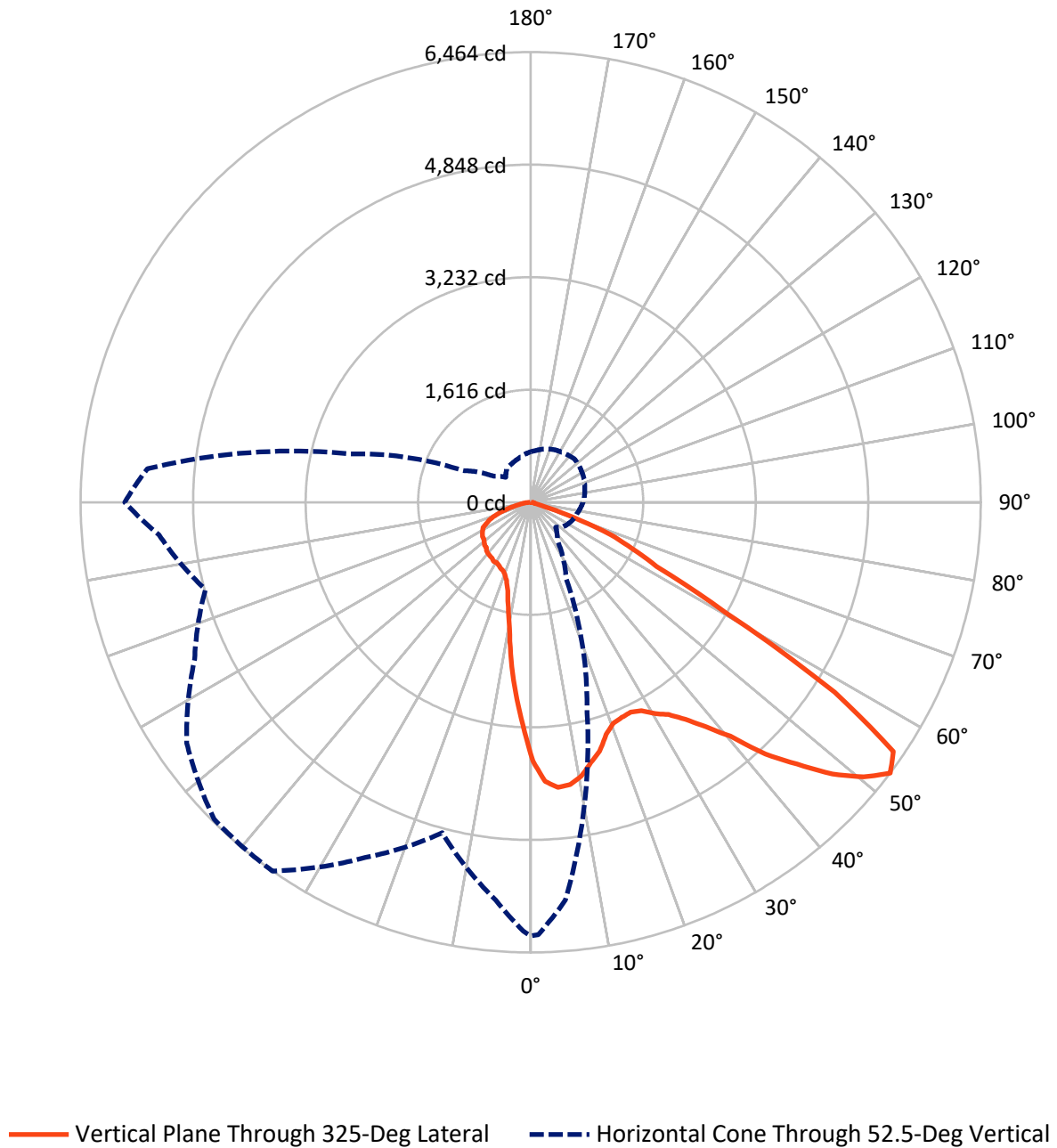


Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2522.3	0.0	2522.3
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	5844.7	0.0	5844.7
	% Fixture	69.9	0.0	69.9
Total	Lumens	8367.0	0.0	8367.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.3	3.4
10°-20°	614.1	7.3
20°-30°	927.9	11.1
30°-40°	1340.9	16.0
40°-50°	1784.5	21.3
50°-60°	1996.0	23.9
60°-70°	1124.9	13.4
70°-80°	250.8	3.0
80°-90°	44.7	0.5
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°	8367.0	100.0
0°-180°	8367.0	100.0

Coefficient of Utilization



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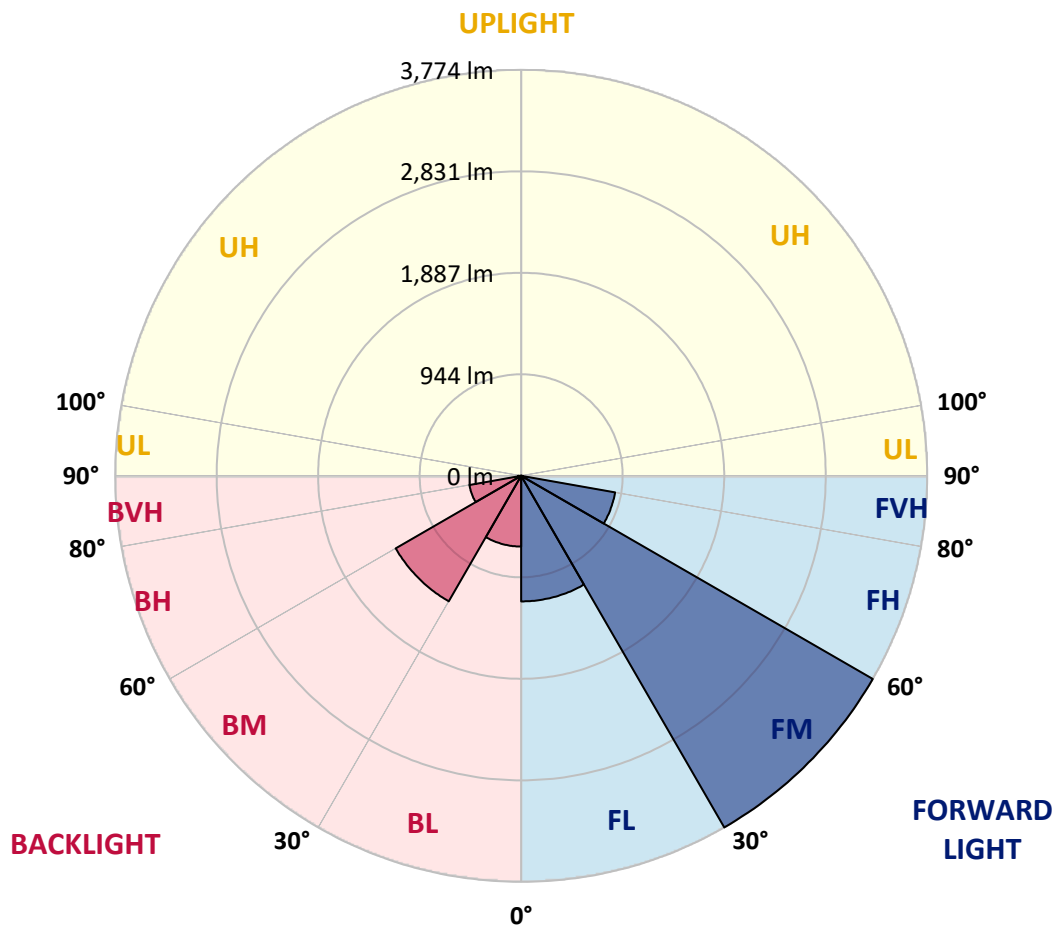
CATALOG NUMBER: GALN-SA2C-830-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1167.6	14.0			
FM	(30°-60°)	3774.2	45.1			
FH	(60°-80°)	886.8	10.6			G1/1800
FVH	(80°-90°)	16.2	0.2			G1/100
BL	(0°-30°)	657.8	7.9	B2/1000		
BM	(30°-60°)	1347.2	16.1	B2/2500		
BH	(60°-80°)	488.9	5.8	B1/500		G1/500
BVH	(80°-90°)	28.5	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3
2.5°	3775.2	3835.8	3770.3	3653.9	3571.4	3496.3	3417.4	3401.7	3298.6	3280.4	3205.2
5°	3560.5	3547.2	3467.1	3314.3	3145.8	2993.0	2880.2	2771.0	2697.1	2611.0	2604.9
7.5°	3299.8	3222.2	3176.1	2944.5	2735.9	2495.8	2392.7	2226.5	2174.4	2096.8	2056.8
10°	3067.0	3010.0	2902.0	2670.4	2379.3	2220.5	2110.1	2020.4	1959.7	1879.7	1779.0
12.5°	2951.7	2928.7	2807.4	2448.5	2232.6	2062.8	1985.2	1897.9	1794.8	1666.3	1616.5
15°	2972.4	2894.7	2802.6	2406.0	2107.7	1944.0	1820.3	1711.1	1579.0	1456.5	1384.9
17.5°	3126.4	3067.0	2882.6	2432.7	2060.4	1823.9	1599.6	1438.3	1319.4	1209.1	1159.4
20°	3429.6	3343.4	3136.1	2466.7	1958.5	1656.6	1399.5	1200.6	1073.3	1015.0	998.1
22.5°	3765.5	3714.5	3383.5	2543.1	1877.3	1501.3	1187.2	988.4	941.1	925.3	956.8
25°	4174.2	4042.0	3767.9	2668.0	1814.2	1369.2	1007.8	897.4	873.2	888.9	925.3
27.5°	4484.6	4449.4	4037.1	2785.6	1728.1	1210.3	907.1	834.3	841.6	857.4	891.3
30°	4853.3	4675.0	4297.9	2866.9	1650.5	1101.1	836.8	817.4	824.6	851.3	868.3
32.5°	5075.2	5008.5	4461.6	2989.3	1560.8	1006.6	782.2	764.0	774.9	814.9	855.0
35°	5357.8	5225.6	4664.1	3020.9	1497.7	969.0	743.4	730.1	755.5	783.4	828.3
37.5°	5687.6	5596.7	4944.2	2999.0	1463.7	930.2	710.6	704.6	722.8	761.6	813.7
40°	5882.9	5855.0	5091.0	3012.4	1410.4	896.2	673.1	680.3	717.9	748.2	799.2
42.5°	6070.8	5888.9	5308.0	3007.5	1376.4	850.1	676.7	668.2	697.3	732.5	781.0
45°	6112.1	5931.4	5359.0	2973.6	1335.2	805.2	648.8	652.4	687.6	731.3	762.8
47.5°	6085.4	5952.0	5453.6	2963.9	1296.4	773.7	607.6	651.2	671.8	707.0	751.9
50°	6067.2	6059.9	5533.6	3010.0	1244.2	724.0	557.8	635.5	656.1	691.2	739.8
52.5°	6227.3	6211.5	5733.7	3131.2	1203.0	670.6	506.9	595.4	645.2	679.1	726.4
55°	6324.3	6255.2	6076.9	3280.4	1133.9	600.3	471.7	545.7	618.5	648.8	697.3
57.5°	5688.8	5641.5	5497.2	3062.1	1017.5	508.1	428.1	494.8	582.1	629.4	679.1
60°	4733.2	4659.2	4289.4	2602.5	750.7	395.3	401.4	454.8	572.4	590.6	648.8
62.5°	4462.8	4279.7	3776.4	2094.4	576.0	339.6	360.2	418.4	521.5	551.8	610.0
65°	3541.1	3405.3	2701.9	1512.3	385.6	294.7	328.6	377.2	449.9	509.3	562.7
67.5°	2216.8	2087.1	1441.9	715.5	269.2	252.2	293.5	344.4	403.8	457.2	516.6
70°	1158.1	1016.3	665.8	258.3	185.5	206.2	245.0	293.5	351.7	395.3	441.4
72.5°	431.7	350.5	217.1	111.6	128.5	157.7	198.9	234.1	275.3	328.6	354.1
75°	66.7	57.0	55.8	67.9	87.3	114.0	141.9	177.1	213.4	247.4	264.4
77.5°	31.5	30.3	34.0	44.9	58.2	81.3	103.1	137.0	166.1	188.0	197.7
80°	20.6	19.4	21.8	30.3	43.7	60.6	82.5	105.5	132.2	150.4	148.0
82.5°	12.1	13.3	13.3	20.6	30.3	43.7	59.4	80.0	98.2	114.0	104.3
85°	7.3	6.1	6.1	12.1	20.6	35.2	49.7	34.0	35.2	35.2	40.0
87.5°	2.4	2.4	2.4	1.2	2.4	2.4	3.6	6.1	7.3	8.5	10.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3
2.5°	3202.8	3240.4	3227.0	3179.7	3216.1	3222.2	3197.9	3281.6	3297.4	3271.9	3279.2
5°	2596.4	2606.1	2627.9	2674.0	2706.8	2745.6	2745.6	2748.0	2715.3	2797.7	2773.5
7.5°	2022.8	2028.9	2054.3	2152.6	2180.5	2254.4	2286.0	2264.1	2198.6	2170.8	2193.8
10°	1746.3	1711.1	1702.6	1714.8	1777.8	1809.4	1836.0	1828.8	1817.9	1796.0	1771.8
12.5°	1562.0	1536.5	1515.9	1486.8	1490.4	1520.7	1541.4	1524.4	1529.2	1534.1	1541.4
15°	1361.9	1343.7	1332.8	1289.1	1284.3	1304.9	1312.2	1321.9	1340.0	1341.3	1332.8
17.5°	1149.7	1133.9	1158.1	1182.4	1165.4	1166.6	1180.0	1188.5	1183.6	1161.8	1150.9
20°	1004.1	1021.1	1045.4	1068.4	1086.6	1097.5	1102.4	1089.0	1073.3	1028.4	1027.2
22.5°	961.7	983.5	1004.1	1039.3	1056.3	1084.2	1058.7	1028.4	1006.6	984.7	959.3
25°	930.2	948.3	989.6	1002.9	1035.7	1058.7	1040.5	1010.2	972.6	941.1	921.7
27.5°	907.1	927.7	954.4	990.8	1016.3	1029.6	1011.4	999.3	960.5	922.9	895.0
30°	892.6	914.4	962.9	993.2	1015.0	1026.0	994.4	979.9	952.0	920.4	896.2
32.5°	882.9	902.3	943.5	982.3	996.8	996.8	1001.7	984.7	945.9	892.6	871.9
35°	851.3	878.0	912.0	956.8	983.5	999.3	975.0	955.6	930.2	875.6	838.0
37.5°	833.1	851.3	895.0	937.4	960.5	977.4	967.7	933.8	899.8	855.0	824.6
40°	813.7	842.8	881.6	921.7	947.1	964.1	956.8	916.8	875.6	833.1	812.5
42.5°	800.4	819.8	859.8	904.7	935.0	967.7	945.9	896.2	867.1	808.9	785.8
45°	789.5	821.0	863.5	881.6	913.2	947.1	908.3	878.0	844.0	801.6	782.2
47.5°	776.1	805.2	833.1	881.6	896.2	912.0	904.7	856.2	827.1	781.0	767.6
50°	771.3	782.2	833.1	859.8	880.4	896.2	876.8	840.4	812.5	765.2	736.1
52.5°	751.9	772.5	805.2	840.4	865.9	885.3	853.7	830.7	793.1	743.4	725.2
55°	727.6	739.8	798.0	834.3	847.7	861.0	848.9	811.3	772.5	721.6	703.4
57.5°	696.1	724.0	771.3	822.2	839.2	846.5	827.1	796.8	748.2	703.4	674.3
60°	663.4	692.5	744.6	785.8	802.8	829.5	800.4	782.2	726.4	676.7	645.2
62.5°	630.6	663.4	702.2	754.3	768.9	779.8	772.5	747.0	702.2	646.4	607.6
65°	591.8	616.1	664.6	691.2	700.9	726.4	700.9	691.2	651.2	597.9	565.1
67.5°	533.6	554.2	596.7	622.1	629.4	640.3	639.1	628.2	583.3	546.9	517.8
70°	466.9	485.1	511.8	542.1	545.7	559.1	546.9	544.5	515.4	465.7	449.9
72.5°	374.7	391.7	426.9	440.2	441.4	446.3	440.2	431.7	424.4	372.3	356.5
75°	287.4	297.1	314.1	326.2	326.2	332.3	328.6	320.2	300.8	268.0	252.2
77.5°	200.1	209.8	231.6	238.9	237.7	240.1	229.2	220.7	191.6	174.6	161.3
80°	145.5	151.6	162.5	167.4	168.6	172.2	158.9	151.6	134.6	115.2	109.1
82.5°	105.5	109.1	110.4	116.4	116.4	110.4	106.7	99.4	87.3	75.2	70.3
85°	43.7	44.9	46.1	53.4	54.6	65.5	60.6	57.0	49.7	42.4	38.8
87.5°	10.9	12.1	15.8	13.3	15.8	15.8	17.0	19.4	19.4	15.8	15.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3
2.5°	3307.1	3316.8	3440.5	3456.2	3516.9	3578.7	3703.6	3793.4	3866.1	3913.4	3926.8
5°	2798.9	2860.8	2917.8	3010.0	3093.6	3212.5	3349.5	3519.3	3732.7	3841.9	3885.5
7.5°	2191.4	2264.1	2346.6	2436.3	2558.8	2772.3	2955.4	3151.8	3424.7	3537.5	3708.5
10°	1788.8	1870.0	1979.1	2048.3	2196.2	2400.0	2613.4	2840.2	3100.9	3263.4	3461.1
12.5°	1581.4	1648.1	1748.7	1894.3	2004.6	2136.8	2295.7	2581.9	2955.4	3109.4	3245.2
15°	1352.2	1426.2	1542.6	1703.9	1836.0	1993.7	2172.0	2483.6	2881.4	3119.1	3234.3
17.5°	1163.0	1216.4	1338.8	1478.3	1629.9	1802.1	2058.0	2478.8	2959.0	3263.4	3451.4
20°	1032.0	1039.3	1106.0	1224.8	1431.0	1655.4	1987.6	2454.5	3207.6	3512.0	3749.7
22.5°	949.6	942.3	943.5	1044.1	1188.5	1511.0	1877.3	2537.0	3490.2	3907.4	4067.4
25°	908.3	888.9	876.8	898.6	1029.6	1340.0	1793.6	2646.1	3794.6	4233.6	4430.0
27.5°	886.5	852.5	828.3	831.9	927.7	1253.9	1741.5	2693.4	4096.5	4688.3	4757.5
30°	878.0	835.6	800.4	788.3	851.3	1133.9	1629.9	2774.7	4367.0	4938.2	4997.6
32.5°	847.7	795.5	761.6	750.7	776.1	1028.4	1549.8	2832.9	4605.9	5209.8	5189.2
35°	812.5	768.9	726.4	705.8	724.0	960.5	1485.6	2805.0	4887.2	5420.8	5409.9
37.5°	808.9	751.9	716.7	682.8	681.5	876.8	1398.3	2831.7	5066.7	5799.2	5650.0
40°	777.3	741.0	694.9	667.0	651.2	834.3	1313.4	2768.6	5329.9	5952.0	5805.3
42.5°	778.6	724.0	684.0	651.2	635.5	772.5	1255.2	2751.6	5422.0	6200.6	5878.0
45°	759.2	705.8	671.8	633.0	624.5	725.2	1199.4	2672.8	5584.5	6212.7	5787.1
47.5°	739.8	692.5	656.1	610.0	590.6	708.2	1155.7	2607.3	5499.7	6098.7	5660.9
50°	726.4	671.8	637.9	605.1	550.6	679.1	1098.7	2591.6	5380.8	5944.7	5426.9
52.5°	703.4	654.9	619.7	594.2	506.9	652.4	1076.9	2683.7	5526.3	5829.5	5359.0
55°	681.5	631.8	587.0	537.2	470.5	582.1	1016.3	2769.8	5738.6	6095.1	5667.0
57.5°	658.5	611.2	562.7	503.3	435.4	509.3	953.2	2785.6	5340.8	5633.1	5379.6
60°	628.2	567.5	531.2	453.6	397.8	422.0	755.5	2455.7	4142.6	4704.1	4712.6
62.5°	594.2	528.7	497.2	406.3	359.0	363.8	616.1	2064.0	3360.4	3894.0	4125.6
65°	549.4	486.3	448.7	375.9	331.1	315.3	451.1	1512.3	2552.8	3159.1	3422.3
67.5°	491.1	431.7	384.4	327.4	295.9	270.4	308.0	851.3	1507.4	2121.0	2201.1
70°	429.3	378.4	328.6	281.3	246.2	228.0	225.6	377.2	720.4	1141.2	1298.8
72.5°	338.3	302.0	261.9	226.8	203.7	177.1	161.3	156.4	243.8	464.5	641.5
75°	242.5	212.2	189.2	166.1	149.2	134.6	122.5	111.6	101.9	116.4	160.1
77.5°	152.8	141.9	123.7	117.6	107.9	104.3	99.4	93.4	86.1	81.3	81.3
80°	103.1	95.8	89.7	88.5	84.9	83.7	84.9	78.8	71.6	65.5	67.9
82.5°	69.1	67.9	66.7	65.5	66.7	67.9	70.3	69.1	63.1	59.4	60.6
85°	41.2	43.7	46.1	48.5	53.4	47.3	38.8	32.7	29.1	26.7	25.5
87.5°	15.8	21.8	19.4	18.2	19.4	18.2	17.0	15.8	13.3	12.1	12.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: GALN-SA2C-830-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3	3713.3
2.5°	4015.3	4039.5	4060.2	4055.3	4012.9	3955.9	3932.8	3815.2	3790.9	3775.2
5°	4069.9	4210.5	4240.9	4222.7	4112.3	3972.8	3837.0	3664.8	3564.2	3560.5
7.5°	3969.2	4142.6	4197.2	4238.4	4091.7	3849.1	3616.3	3358.0	3294.9	3299.8
10°	3713.3	3989.8	4124.4	4166.9	3998.3	3788.5	3465.9	3204.0	3069.4	3067.0
12.5°	3571.4	3788.5	3826.1	3885.5	3835.8	3623.6	3378.6	3085.1	2954.2	2951.7
15°	3445.3	3588.4	3599.3	3683.0	3709.7	3566.6	3401.7	3088.8	2983.3	2972.4
17.5°	3555.7	3456.2	3415.0	3425.9	3504.7	3556.9	3535.1	3294.9	3187.0	3126.4
20°	3629.6	3407.7	3282.8	3294.9	3388.3	3578.7	3733.9	3593.3	3422.3	3429.6
22.5°	3827.3	3415.0	3219.8	3206.4	3354.4	3692.7	3958.3	3970.4	3805.5	3765.5
25°	4123.2	3498.7	3200.3	3196.7	3338.6	3815.2	4220.2	4416.7	4248.1	4174.2
27.5°	4360.9	3629.6	3261.0	3273.1	3388.3	3914.6	4443.4	4704.1	4575.6	4484.6
30°	4569.5	3765.5	3345.9	3290.1	3521.7	3966.8	4539.2	5031.5	4928.5	4853.3
32.5°	4655.6	3958.3	3480.5	3388.3	3632.1	4029.8	4738.1	5349.3	5260.7	5075.2
35°	4801.1	4066.2	3553.2	3546.0	3824.9	4181.4	4831.4	5559.1	5522.7	5357.8
37.5°	4917.5	4175.4	3811.6	3731.5	4089.3	4436.1	4981.8	5848.9	5765.2	5687.6
40°	5007.3	4370.6	4052.9	4158.4	4414.3	4667.7	5120.1	5867.1	6108.4	5882.9
42.5°	4924.8	4545.2	4449.4	4701.7	4944.2	4932.1	5135.8	6007.8	6188.5	6070.8
45°	4904.2	4841.1	5076.4	5305.6	5361.4	5151.6	5023.1	5852.6	6164.2	6112.1
47.5°	4854.5	5132.2	5542.1	5915.6	5830.7	5298.3	4888.4	5824.7	6178.8	6085.4
50°	4837.5	5195.3	5886.5	6250.3	6199.4	5425.7	4825.4	5645.2	6075.7	6067.2
52.5°	4836.3	5325.0	6029.6	6432.2	6463.8	5627.0	4911.5	5736.1	6155.7	6227.3
55°	4890.9	5283.8	6011.4	6331.6	6319.4	5537.2	4921.2	5796.8	6254.0	6324.3
57.5°	4613.2	4733.2	4961.2	5214.7	5149.2	4586.5	4394.9	5359.0	5739.8	5688.8
60°	3983.8	3607.8	3350.7	3338.6	3211.3	3035.4	3596.9	4782.9	4782.9	4733.2
62.5°	3489.0	2368.4	2034.9	1940.3	2031.3	2233.8	3469.6	4652.0	4519.8	4462.8
65°	3051.2	1808.2	1471.0	1444.3	1602.0	1907.6	3137.3	3963.1	3730.3	3541.1
67.5°	1963.4	1324.3	1093.9	1046.6	1237.0	1400.7	2088.3	2437.6	2290.8	2216.8
70°	1266.1	862.2	608.8	571.2	645.2	863.5	1334.0	1421.3	1207.9	1158.1
72.5°	599.1	372.3	213.4	175.8	197.7	329.9	527.5	567.5	471.7	431.7
75°	190.4	137.0	87.3	75.2	71.6	84.9	121.3	93.4	67.9	66.7
77.5°	84.9	81.3	69.1	58.2	50.9	42.4	35.2	29.1	30.3	31.5
80°	70.3	64.3	57.0	50.9	42.4	32.7	25.5	19.4	19.4	20.6
82.5°	61.8	55.8	49.7	42.4	36.4	26.7	19.4	13.3	12.1	12.1
85°	26.7	31.5	34.0	36.4	29.1	21.8	13.3	8.5	7.3	7.3
87.5°	10.9	9.7	8.5	7.3	6.1	6.1	4.9	3.6	2.4	2.4
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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