

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: P528575

Luminaire Tested: **GALN-SA3C-830-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528575
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-SA3C-830-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 1050mA 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: 9220 lumens
Efficiency: N/A
Efficacy: 57.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

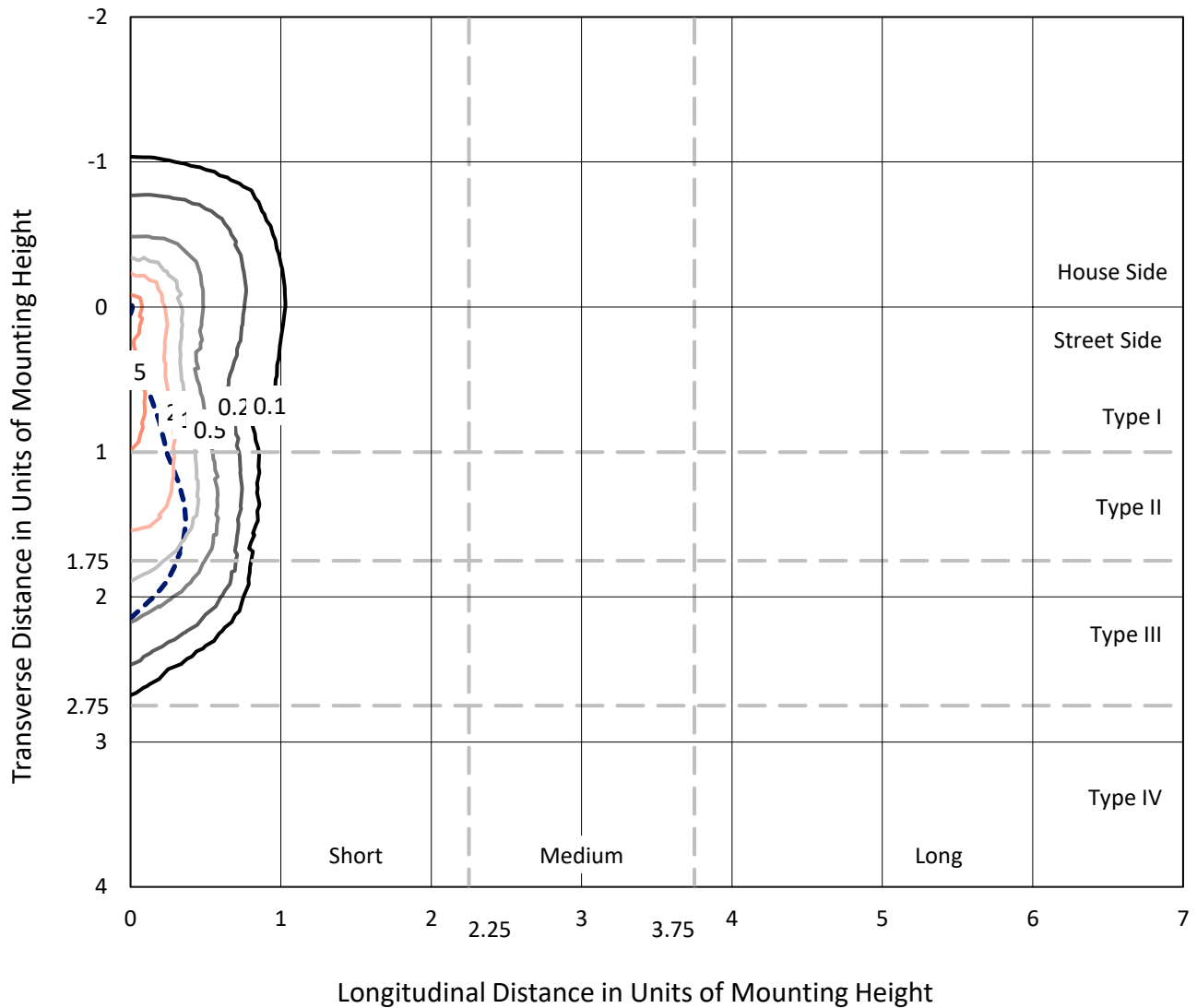
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

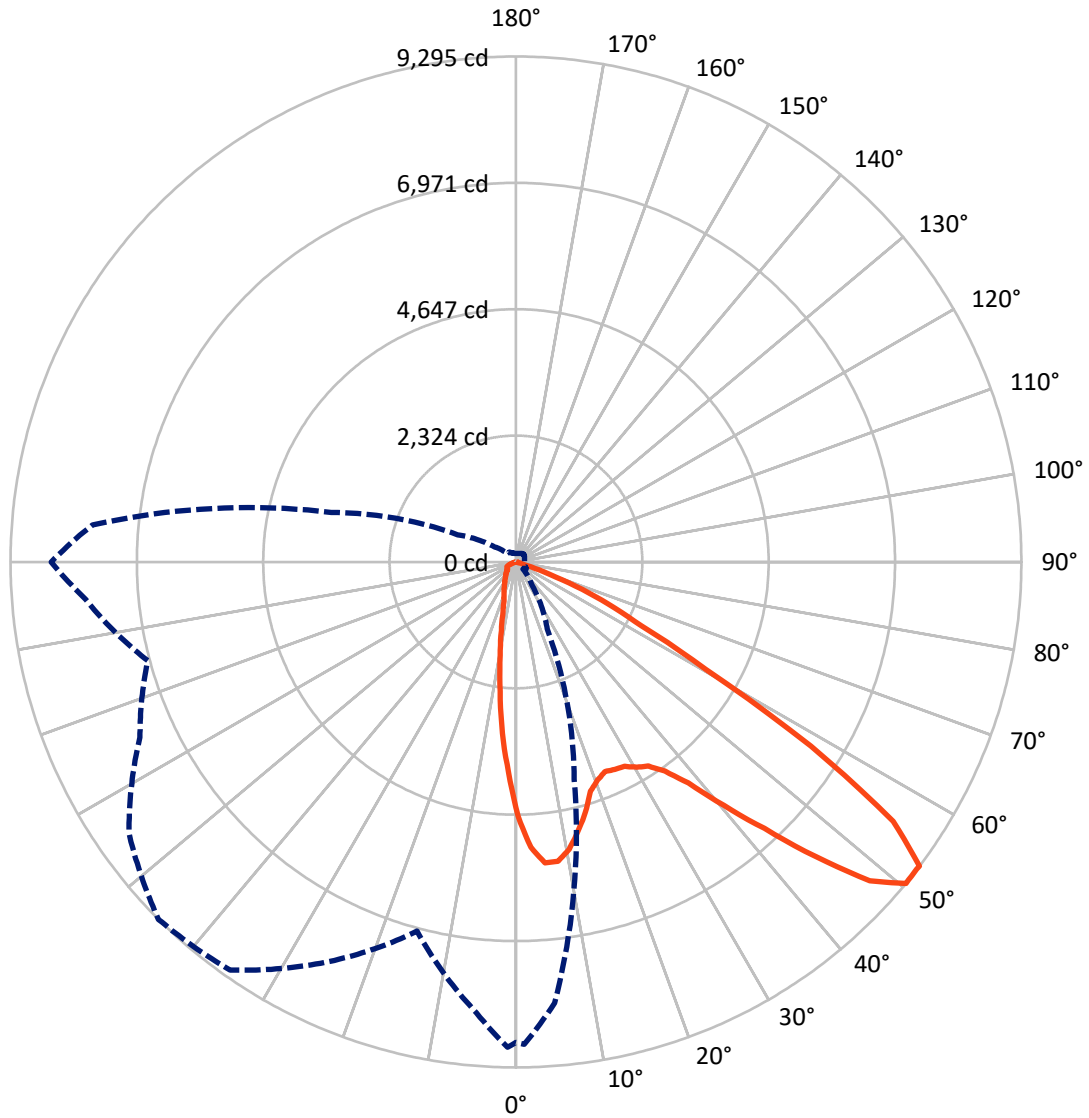
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1846.8	0.0	1846.8
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	7373.2	0.0	7373.2
	% Fixture	80.0	0.0	80.0
Total	Lumens	9220.0	0.0	9220.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.8	3.7
10°-20°	677.3	7.3
20°-30°	1017.6	11.0
30°-40°	1527.4	16.6
40°-50°	2146.6	23.3
50°-60°	2315.5	25.1
60°-70°	1075.1	11.7
70°-80°	101.2	1.1
80°-90°	18.6	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°	9220.0	100.0
0°-180°	9220.0	100.0

Coefficient of Utilization

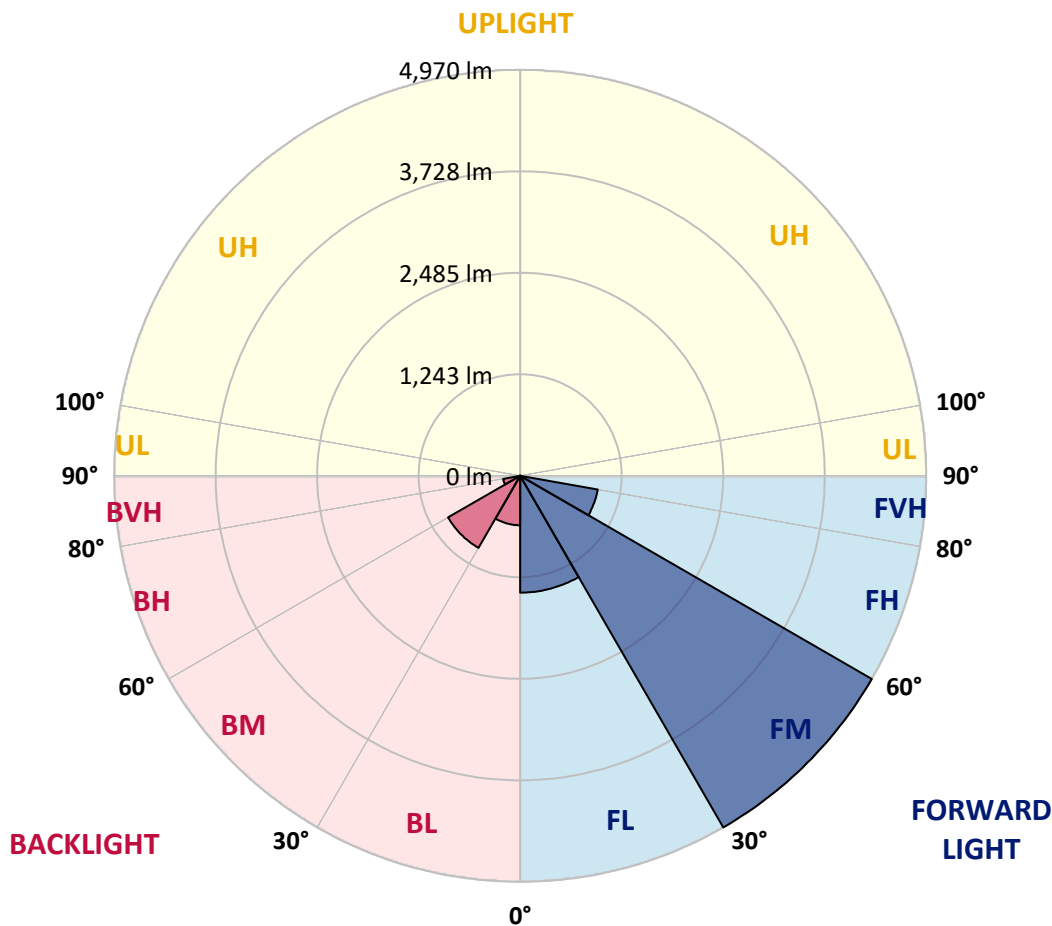


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1430.4	15.5			
FM (30°-60°)	4970.3	53.9			
FH (60°-80°)	964.2	10.5			G1/1800
FVH (80°-90°)	8.4	0.1			G0/10
BL (0°-30°)	605.3	6.6	B2/1000		
BM (30°-60°)	1019.1	11.1	B2/2500		
BH (60°-80°)	212.1	2.3	B1/500		G1/500
BVH (80°-90°)	10.2	0.1			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°	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7
2.5°	4860.5	4785.5	4690.3	4611.7	4494.6	4258.6	4194.6	4117.8	4053.7	3967.8	3847.0
5°	4419.6	4395.8	4351.9	4055.6	3841.5	3556.2	3322.0	3223.2	3093.4	2987.3	2910.4
7.5°	4083.0	3987.9	3848.9	3550.7	3208.6	2903.1	2643.3	2491.5	2319.6	2261.0	2156.7
10°	3722.6	3744.6	3539.7	3120.8	2707.4	2460.4	2299.4	2153.1	1997.6	1895.2	1747.0
12.5°	3607.4	3536.0	3378.7	2861.0	2508.0	2277.5	2081.7	1900.6	1736.0	1571.4	1428.7
15°	3682.4	3572.6	3353.1	2806.2	2354.3	2067.1	1822.0	1576.9	1425.0	1214.7	1066.5
17.5°	3951.3	3863.5	3569.0	2864.7	2275.7	1865.9	1501.9	1249.4	1017.1	826.8	751.8
20°	4399.5	4275.1	3905.6	2939.7	2158.6	1622.6	1218.3	907.3	687.8	607.3	565.3
22.5°	4838.5	4770.8	4304.4	3084.2	2054.3	1406.7	914.7	611.0	514.0	499.4	472.0
25°	5674.5	5471.4	4913.5	3345.8	1973.8	1203.7	689.6	492.1	435.4	424.4	428.1
27.5°	6172.1	6001.9	5476.9	3519.6	1884.2	1048.2	583.5	451.8	413.4	389.6	380.5
30°	6649.5	6452.0	5756.8	3622.0	1692.1	883.6	517.7	433.5	424.4	389.6	378.7
32.5°	7017.2	6823.3	6161.1	3775.7	1613.4	777.5	426.2	338.4	314.6	311.0	343.9
35°	7580.6	7373.9	6506.8	3859.8	1553.1	722.6	369.5	301.8	274.4	263.4	265.2
37.5°	8105.6	7964.8	6827.0	3892.8	1489.1	706.1	331.1	270.7	247.0	239.6	237.8
40°	8544.7	8230.0	7130.6	3927.5	1461.6	675.0	307.3	247.0	230.5	219.5	219.5
42.5°	8745.9	8425.8	7470.9	3907.4	1454.3	625.6	307.3	226.8	214.0	203.1	201.2
45°	8702.0	8572.1	7622.7	3898.2	1454.3	576.2	279.9	221.3	203.1	188.4	184.8
47.5°	8815.4	8645.3	7813.0	3936.7	1425.0	541.5	236.0	232.3	192.1	173.8	170.1
50°	8835.5	8868.5	8144.1	4136.1	1361.0	497.6	184.8	228.7	184.8	157.3	153.7
52°	8967.3	8762.4	8244.7	4242.2	1293.3	464.6	155.5	195.7	177.4	146.3	142.7
52.5°	8786.1	8919.7	8268.5	4280.6	1300.6	442.7	150.0	192.1	173.8	146.3	137.2
55°	8583.1	8711.1	8171.5	4362.9	1192.7	347.6	117.1	139.0	157.3	128.1	122.6
57.5°	7459.9	7589.8	7101.4	3995.2	971.4	245.1	97.0	104.3	139.0	118.9	113.4
60°	6631.2	6537.9	5959.9	3333.0	689.6	137.2	76.8	80.5	151.8	109.8	107.9
62.5°	6060.5	5861.1	4981.2	2573.8	420.7	91.5	60.4	62.2	117.1	102.4	102.4
65°	4483.6	4260.5	3309.2	1556.7	206.7	64.0	45.7	49.4	73.2	87.8	87.8
67.5°	2559.2	2473.2	1598.8	702.5	86.0	40.2	34.8	38.4	56.7	71.3	67.7
70°	1176.2	1055.5	614.6	148.2	40.2	27.4	27.4	31.1	45.7	53.0	49.4
72.5°	343.9	325.6	150.0	23.8	16.5	16.5	18.3	23.8	34.8	40.2	36.6
75°	25.6	16.5	11.0	7.3	7.3	11.0	14.6	23.8	34.8	38.4	31.1
77.5°	1.8	3.7	1.8	1.8	5.5	11.0	16.5	29.3	45.7	47.6	34.8
80°	1.8	1.8	0.0	1.8	5.5	11.0	18.3	32.9	51.2	54.9	29.3
82.5°	0.0	0.0	0.0	1.8	7.3	14.6	22.0	34.8	47.6	58.5	31.1
85°	0.0	0.0	0.0	1.8	11.0	20.1	25.6	9.1	5.5	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7
2.5°	3933.0	3885.4	3867.1	3883.6	3878.1	3872.6	3973.2	3951.3	3947.6	3980.6	3973.2
5°	2952.5	2868.3	3098.8	3005.5	3102.5	3161.0	3172.0	3177.5	3245.2	3173.8	3267.1
7.5°	2103.7	2125.7	2123.8	2186.0	2297.6	2396.4	2454.9	2409.2	2405.5	2396.4	2356.1
10°	1681.1	1642.7	1635.4	1620.8	1655.5	1739.7	1811.0	1754.3	1714.1	1768.9	1752.5
12.5°	1373.8	1320.8	1291.5	1233.0	1234.8	1291.5	1291.5	1291.5	1331.7	1362.8	1386.6
15°	1053.7	1009.8	1009.8	951.2	938.4	940.3	969.5	973.2	1037.2	1055.5	1064.7
17.5°	737.2	713.4	740.9	764.6	750.0	753.7	764.6	768.3	777.5	770.1	788.4
20°	567.1	563.4	570.7	612.8	643.9	662.2	649.4	631.1	620.1	594.5	594.5
22.5°	481.1	488.4	501.2	536.0	576.2	587.2	572.6	530.5	497.6	493.9	495.7
25°	428.1	435.4	455.5	477.4	499.4	517.7	503.1	472.0	453.7	437.2	437.2
27.5°	395.1	398.8	409.8	426.2	444.5	459.2	453.7	437.2	417.1	409.8	393.3
30°	369.5	375.0	387.8	391.5	407.9	415.3	406.1	402.4	389.6	380.5	375.0
32.5°	356.7	354.9	364.0	367.7	369.5	375.0	364.0	369.5	367.7	353.1	347.6
35°	268.9	283.5	307.3	327.4	332.9	340.3	338.4	331.1	311.0	294.5	274.4
37.5°	241.5	250.6	263.4	279.9	301.8	311.0	307.3	289.0	265.2	254.3	250.6
40°	223.2	228.7	239.6	250.6	272.6	289.0	276.2	259.8	241.5	232.3	226.8
42.5°	206.7	208.5	214.0	225.0	241.5	267.1	245.1	223.2	215.9	210.4	206.7
45°	188.4	188.4	195.7	201.2	219.5	243.3	221.3	201.2	197.6	193.9	192.1
47.5°	173.8	175.6	179.3	186.6	201.2	217.7	203.1	186.6	177.4	175.6	172.0
50°	155.5	157.3	164.6	172.0	190.2	199.4	190.2	172.0	162.8	157.3	157.3
52°	140.9	146.3	153.7	168.3	181.1	195.7	184.8	164.6	153.7	148.2	144.5
52.5°	139.0	142.7	150.0	166.5	181.1	193.9	182.9	162.8	150.0	146.3	142.7
55°	124.4	129.9	142.7	162.8	179.3	193.9	179.3	161.0	142.7	133.5	129.9
57.5°	118.9	122.6	139.0	164.6	177.4	193.9	179.3	161.0	142.7	126.2	122.6
60°	113.4	120.7	139.0	159.1	175.6	195.7	181.1	159.1	139.0	118.9	118.9
62.5°	107.9	113.4	137.2	155.5	168.3	188.4	173.8	155.5	133.5	113.4	111.6
65°	93.3	102.4	120.7	129.9	144.5	162.8	148.2	135.4	117.1	100.6	98.8
67.5°	71.3	75.0	89.6	100.6	109.8	126.2	118.9	102.4	89.6	76.8	76.8
70°	49.4	53.0	64.0	69.5	78.7	87.8	82.3	69.5	60.4	53.0	51.2
72.5°	34.8	36.6	40.2	43.9	47.6	51.2	49.4	40.2	34.8	32.9	31.1
75°	27.4	31.1	32.9	31.1	29.3	27.4	27.4	23.8	20.1	18.3	18.3
77.5°	27.4	29.3	27.4	23.8	20.1	18.3	16.5	14.6	11.0	9.1	11.0
80°	23.8	23.8	23.8	20.1	18.3	16.5	14.6	12.8	11.0	9.1	9.1
82.5°	25.6	25.6	23.8	20.1	20.1	16.5	16.5	14.6	12.8	9.1	9.1
85°	0.0	0.0	0.0	3.7	9.1	16.5	16.5	14.6	12.8	11.0	11.0
87.5°	0.0	0.0	0.0	0.0	1.8	3.7	7.3	9.1	11.0	11.0	11.0
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°	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7
2.5°	4039.1	4108.6	4240.3	4372.0	4452.5	4547.7	4719.6	4811.1	4930.0	4988.5	5103.8
5°	3254.3	3419.0	3477.5	3627.5	3788.5	3949.5	4205.6	4487.3	4721.4	4882.4	5091.0
7.5°	2374.4	2412.9	2639.7	2740.3	3003.7	3296.4	3645.8	4000.7	4297.0	4560.5	4719.6
10°	1779.9	1920.8	2063.5	2255.5	2467.7	2769.6	3104.3	3495.8	3880.0	4143.4	4344.6
12.5°	1430.5	1542.1	1732.4	1939.1	2200.7	2400.0	2736.6	3124.5	3622.0	3880.0	4145.2
15°	1082.9	1225.6	1441.5	1655.5	1931.7	2142.1	2482.4	2970.8	3611.0	3965.9	4194.6
17.5°	803.1	900.0	1093.9	1333.6	1615.3	1911.6	2370.8	2954.3	3733.6	4156.2	4392.2
20°	614.6	647.6	770.1	984.2	1289.7	1677.5	2189.7	3025.7	4095.8	4619.0	4858.6
22.5°	497.6	512.2	559.8	707.9	1004.3	1472.6	2103.7	3075.1	4503.7	5173.3	5493.4
25°	433.5	429.9	461.0	525.0	784.8	1280.5	1993.9	3261.6	5003.1	5824.5	6111.7
27.5°	395.1	395.1	409.8	455.5	651.2	1156.1	1924.4	3395.2	5506.2	6397.1	6552.6
30°	375.0	378.7	420.7	435.4	541.5	1007.9	1809.2	3530.6	5987.3	6762.9	6977.0
32.5°	347.6	332.9	323.8	360.4	455.5	874.4	1693.9	3587.3	6377.0	7211.1	7394.0
35°	267.1	259.8	270.7	298.2	391.5	761.0	1565.9	3651.3	6825.1	7730.6	7767.2
37.5°	241.5	239.6	247.0	270.7	329.3	662.2	1474.4	3634.8	7167.2	8160.5	8061.7
40°	223.2	223.2	228.7	248.8	294.5	592.7	1379.3	3620.2	7498.3	8643.5	8354.4
42.5°	208.5	208.5	217.7	230.5	279.9	547.0	1308.0	3600.1	7776.4	8939.8	8526.4
45°	188.4	193.9	208.5	221.3	283.5	515.9	1254.9	3523.2	7871.5	8936.2	8444.1
47.5°	173.8	181.1	195.7	214.0	256.1	506.7	1218.3	3455.6	7838.6	8716.6	8186.1
50°	157.3	166.5	186.6	217.7	217.7	488.4	1179.9	3515.9	7814.8	8546.5	7939.2
52°	146.3	153.7	179.3	212.2	190.2	450.0	1156.1	3633.0	7911.7	8524.6	7829.4
52.5°	144.5	150.0	173.8	208.5	181.1	442.7	1139.7	3660.4	7942.8	8469.7	7904.4
55°	128.1	135.4	159.1	162.8	148.2	364.0	1086.6	3722.6	7789.2	8361.8	7833.1
57.5°	120.7	124.4	140.9	133.5	128.1	274.4	934.8	3625.7	6918.4	7427.0	7287.9
60°	111.6	115.2	131.7	104.3	107.9	192.1	702.5	3148.2	5555.6	6188.5	6439.2
62.5°	107.9	106.1	124.4	84.1	91.5	139.0	495.7	2559.2	4280.6	5094.6	5528.2
65°	95.1	93.3	89.6	71.3	78.7	107.9	296.3	1670.2	3016.5	3854.3	4092.2
67.5°	73.2	76.8	65.9	56.7	65.9	84.1	164.6	748.2	1582.3	2312.2	2504.3
70°	51.2	54.9	53.0	49.4	58.5	69.5	95.1	256.1	654.9	1214.7	1339.1
72.5°	31.1	38.4	40.2	42.1	51.2	60.4	67.7	82.3	173.8	429.9	534.2
75°	18.3	25.6	31.1	36.6	42.1	51.2	56.7	58.5	60.4	80.5	129.9
77.5°	12.8	18.3	27.4	34.8	42.1	51.2	60.4	64.0	60.4	56.7	60.4
80°	11.0	18.3	25.6	32.9	43.9	53.0	60.4	60.4	58.5	51.2	54.9
82.5°	11.0	18.3	27.4	34.8	42.1	51.2	58.5	60.4	54.9	51.2	53.0
85°	12.8	20.1	29.3	36.6	45.7	42.1	38.4	31.1	29.3	23.8	25.6
87.5°	12.8	18.3	18.3	20.1	22.0	22.0	22.0	20.1	16.5	14.6	14.6
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-SA3C-830-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7	4675.7
2.5°	5109.2	5255.6	5250.1	5253.8	5231.8	5083.6	5012.3	4831.2	4882.4	4860.5
5°	5305.0	5449.5	5573.9	5559.3	5391.0	5189.7	4891.6	4609.8	4533.0	4419.6
7.5°	5109.2	5456.8	5572.1	5555.6	5306.8	5048.9	4573.3	4291.5	4158.0	4083.0
10°	4798.3	5200.7	5343.4	5372.7	5204.4	4812.9	4375.7	3923.9	3852.5	3722.6
12.5°	4620.8	4913.5	5001.3	5080.0	5021.4	4728.8	4225.7	3792.1	3693.4	3607.4
15°	4476.3	4650.1	4686.7	4776.3	4811.1	4653.8	4304.4	3934.8	3691.5	3682.4
17.5°	4609.8	4538.5	4405.0	4432.4	4542.2	4655.6	4507.4	4216.5	3980.6	3951.3
20°	4831.2	4516.6	4214.7	4282.4	4373.9	4721.4	4814.7	4609.8	4474.5	4399.5
22.5°	5085.5	4555.0	4154.4	4187.3	4361.1	4869.6	5312.3	5198.9	4946.4	4838.5
25°	5555.6	4661.1	4201.9	4223.9	4461.7	5076.3	5762.3	5846.5	5696.5	5674.5
27.5°	6014.8	4935.5	4306.2	4256.8	4512.9	5277.5	6034.9	6486.7	6223.3	6172.1
30°	6248.9	5158.6	4461.7	4377.5	4725.1	5400.1	6199.5	6903.8	6673.3	6649.5
32.5°	6607.4	5361.7	4582.4	4474.5	4844.0	5551.9	6506.8	7359.3	7136.1	7017.2
35°	6757.5	5583.0	4847.7	4721.4	5184.2	5764.1	6664.2	7765.4	7695.9	7580.6
37.5°	7046.5	5820.8	5160.5	5153.2	5595.8	6040.4	6947.7	8317.8	8305.0	8105.6
40°	7070.3	6080.6	5654.4	5884.9	6232.4	6521.5	7196.5	8471.5	8680.0	8544.7
42.5°	7106.8	6536.1	6508.7	6698.9	6997.1	6934.9	7205.6	8508.1	8826.4	8745.9
45°	7123.3	6991.6	7377.6	7728.8	7853.2	7476.4	7119.7	8438.6	8903.2	8702.0
47.5°	6991.6	7383.1	8080.0	8758.7	8795.3	7809.3	7083.1	8367.2	8949.0	8815.4
50°	7009.9	7628.2	8687.4	9294.7	9161.2	8103.8	7026.4	8323.3	8925.2	8835.5
52°	6966.0	7633.7	8773.3	9283.7	9190.4	7941.0	6929.4	8155.0	8903.2	8967.3
52.5°	7015.4	7600.8	8683.7	9291.0	9170.3	8021.5	6916.6	8248.3	8916.0	8786.1
55°	6845.3	7209.3	8158.7	8416.6	8398.3	7280.6	6523.3	7939.2	8581.3	8583.1
57.5°	6186.7	6248.9	6398.9	6393.4	6309.3	5723.9	5579.4	7300.8	7650.2	7459.9
60°	5451.3	4575.1	4170.8	4006.2	3912.9	3817.8	4935.5	6678.8	6711.7	6631.2
62.5°	4710.5	3172.0	2634.2	2588.5	2610.4	2958.0	4770.8	6431.8	6234.3	6060.5
65°	3801.3	2312.2	1913.5	1853.1	2067.1	2442.1	3861.7	4931.8	4628.1	4483.6
67.5°	2387.2	1686.6	1293.3	1179.9	1437.8	1681.1	2537.2	3098.8	2758.6	2559.2
70°	1415.9	942.1	585.4	525.0	590.9	896.4	1421.4	1545.8	1278.7	1176.2
72.5°	557.9	345.7	162.8	139.0	144.5	314.6	523.2	510.4	386.0	343.9
75°	150.0	104.3	56.7	45.7	38.4	58.5	84.1	54.9	20.1	25.6
77.5°	69.5	62.2	49.4	38.4	29.3	22.0	11.0	3.7	3.7	1.8
80°	60.4	53.0	45.7	38.4	29.3	18.3	9.1	1.8	1.8	1.8
82.5°	56.7	49.4	42.1	34.8	27.4	18.3	9.1	1.8	0.0	0.0
85°	23.8	31.1	34.8	32.9	29.3	18.3	9.1	1.8	0.0	0.0
87.5°	12.8	11.0	9.1	7.3	5.5	3.7	3.7	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)