

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: P533253

Luminaire Tested: **GALN-SA8C-830-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533253
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-SA8C-830-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 1050mA 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: 24940 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

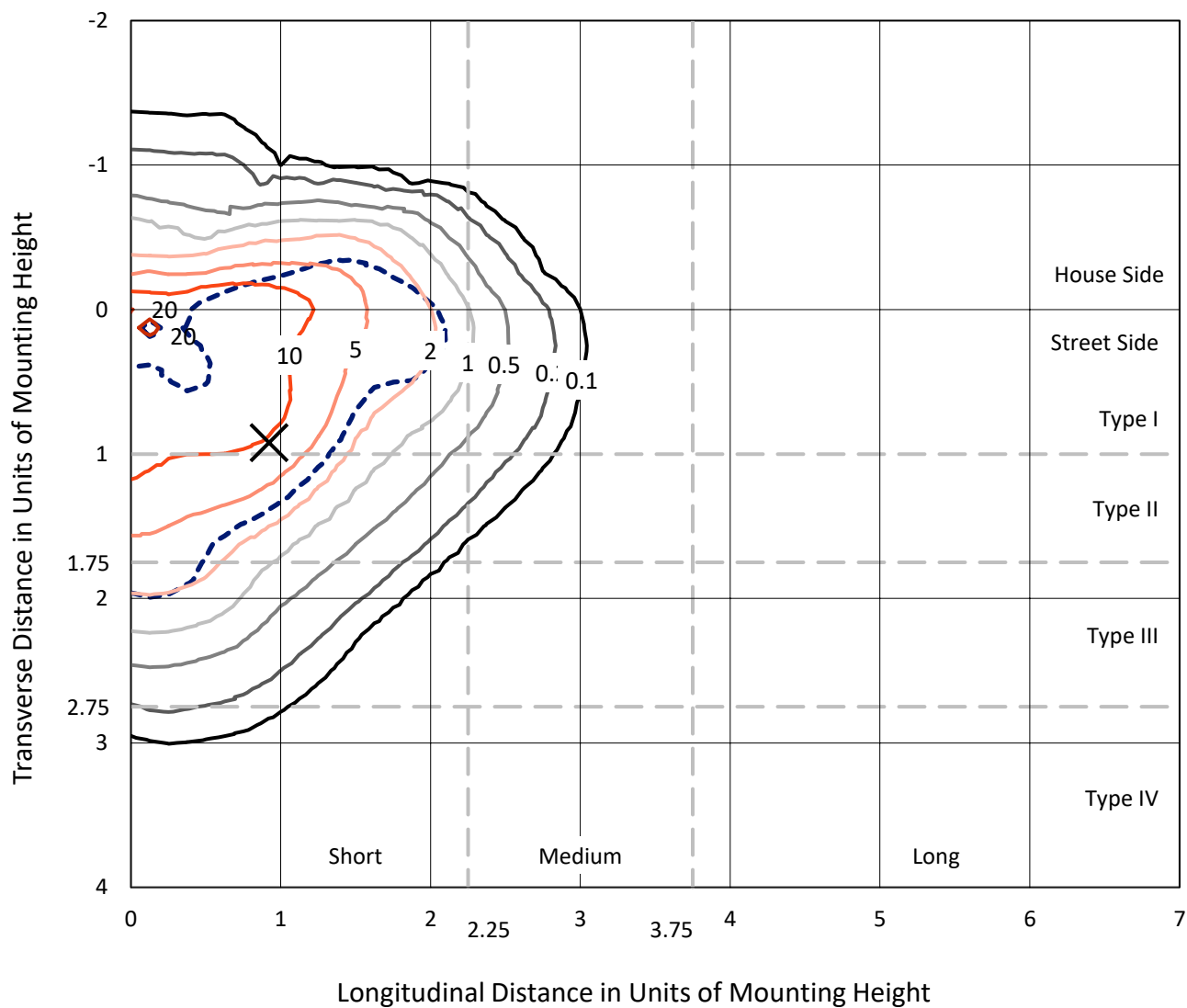
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

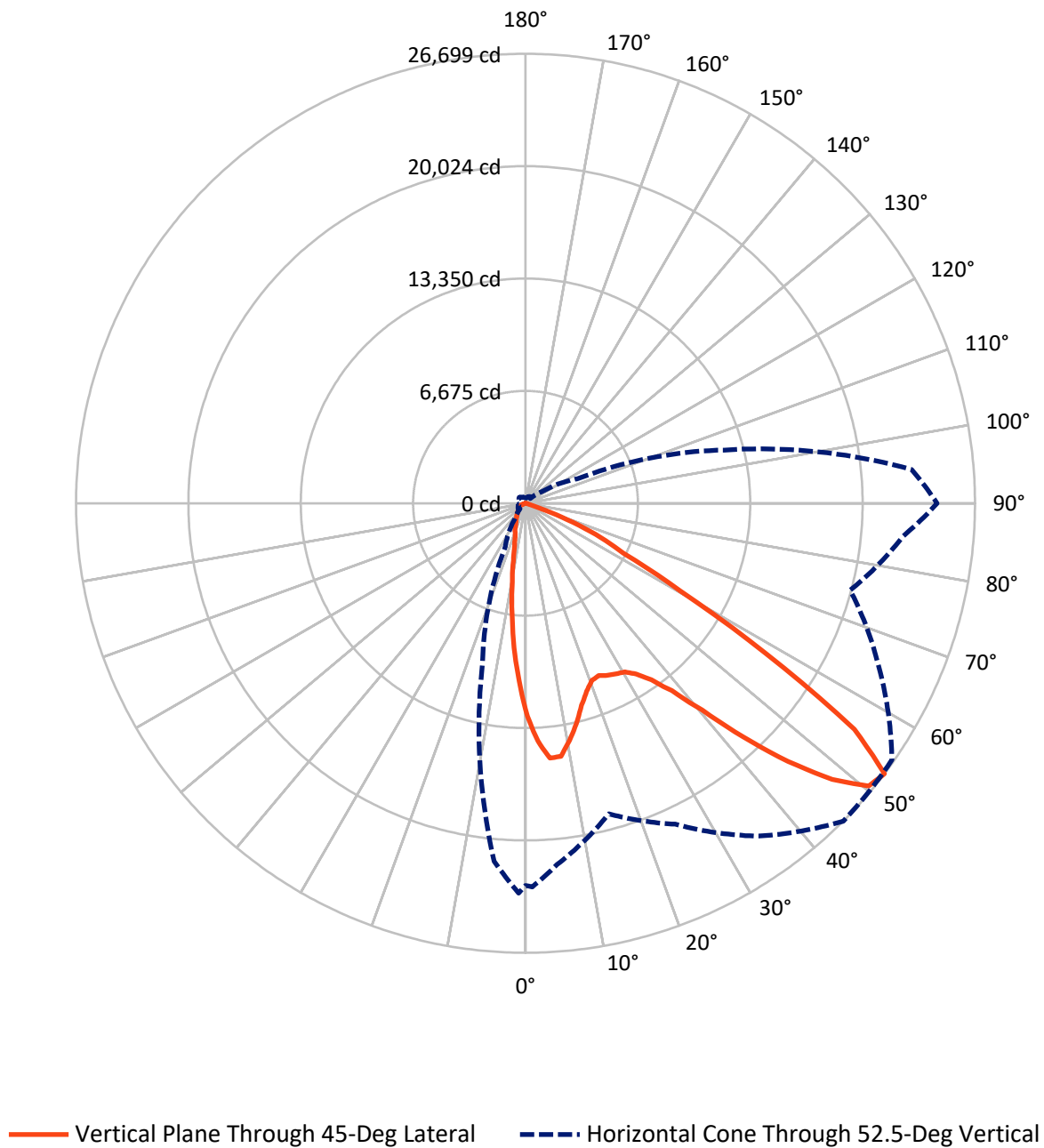


Based on 25 foot mounting height. Maximum calculated value = 21.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5061.6	0.0	5061.6
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	19878.4	0.0	19878.4
	% Fixture	79.7	0.0	79.7
Total	Lumens	24940.0	0.0	24940.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	922.2	3.7
10°-20°	1819.5	7.3
20°-30°	2769.0	11.1
30°-40°	4138.6	16.6
40°-50°	5893.8	23.6
50°-60°	6335.7	25.4
60°-70°	2807.5	11.3
70°-80°	227.1	0.9
80°-90°	26.5	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°	24940.0	100.0
0°-180°	24940.0	100.0

Coefficient of Utilization



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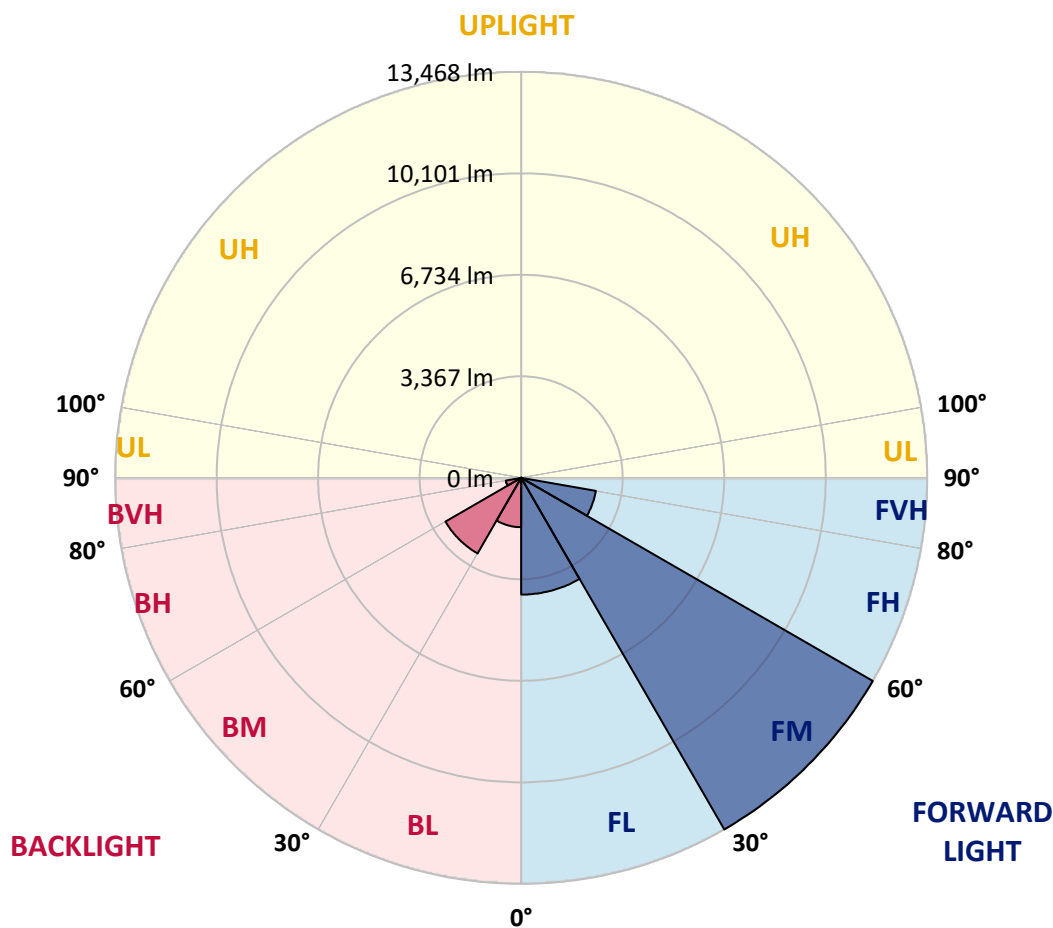
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3873.7	15.5			
FM	(30°-60°)	13468.4	54.0			
FH	(60°-80°)	2516.7	10.1			G2/5000
FVH	(80°-90°)	19.6	0.1			G1/100
BL	(0°-30°)	1637.1	6.6	B3/2500		
BM	(30°-60°)	2899.7	11.6	B3/5000		
BH	(60°-80°)	517.9	2.1	B2/1000		G2/1000
BVH	(80°-90°)	6.9	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7
2.5°	13381.5	13420.8	13636.6	13906.4	14048.6	14372.4	14146.7	14205.6	14083.0	13651.3	13312.9
5°	12974.4	12969.5	13244.2	13911.3	14544.1	15186.7	15206.3	14862.9	14259.6	13597.4	12650.6
7.5°	11748.1	11939.4	12223.9	13288.3	14460.7	14941.4	15171.9	14769.7	13842.6	12895.9	11870.7
10°	10821.0	10919.1	11399.8	12685.0	13543.4	14186.0	14328.2	14097.7	13386.4	12204.3	11056.4
12.5°	10286.3	10335.4	10899.5	11978.6	12886.1	13361.9	13430.6	13538.5	13028.3	11919.8	10541.4
15°	10291.2	10330.5	11090.8	11993.3	12351.4	12223.9	12449.5	12444.6	12665.4	11865.8	10973.0
17.5°	11031.9	11076.1	11762.8	12209.2	12052.2	11753.0	11738.3	11963.9	12429.9	12537.8	11625.4
20°	12307.3	12410.3	12915.5	12891.0	12008.1	11404.7	11237.9	11409.6	12493.7	13106.8	12940.1
22.5°	14024.1	14166.4	14519.5	13842.6	12209.2	11169.3	11115.3	11448.9	12915.5	14377.3	14431.3
25°	16015.6	16256.0	16427.7	15559.5	12925.3	11576.4	11321.3	11895.2	13484.5	15755.7	16329.6
27.5°	17335.2	17585.3	17546.1	16305.1	13406.1	11684.3	11468.5	12003.2	13980.0	16084.3	17320.4
30°	18365.3	18517.3	18792.0	16707.3	13886.8	11988.4	11620.5	12459.3	14141.8	16653.3	18517.3
32.5°	19567.0	19670.1	19689.7	17418.5	14627.5	12371.0	12091.4	13028.3	14858.0	17197.8	19576.9
35°	20778.6	20930.7	20611.9	18296.6	15083.6	13082.3	12876.3	14014.3	15431.9	17761.9	20744.3
37.5°	22093.3	22171.7	21436.0	18659.6	15736.0	14239.9	14127.1	15078.7	16427.7	18782.2	22039.3
40°	23196.9	23270.5	22314.0	19106.0	16422.8	15858.7	16148.1	17109.5	17781.5	19444.4	22686.8
42.5°	23810.1	23981.8	22608.3	18860.7	17801.2	17693.2	18978.4	19316.9	19351.2	19630.8	23265.6
45°	23976.9	23898.4	22122.7	19061.8	19007.9	20710.0	21877.4	22323.8	20911.1	19974.2	23412.8
47.5°	23206.7	23309.8	21406.5	18885.2	20592.2	22995.8	24506.6	25335.6	22073.6	19675.0	23049.8
50°	22583.8	22451.3	21176.0	18757.7	21019.0	24075.0	26405.0	26591.4	23143.0	20042.9	22652.5
52.5°	22706.4	22789.8	21543.9	19096.1	21028.8	24138.7	26699.3	26571.7	23177.3	19959.5	22510.2
55°	22966.4	22598.5	21386.9	18350.5	19621.0	22358.1	23697.3	23501.1	21391.8	19071.6	22161.9
57.5°	19817.2	20386.2	19665.2	16383.5	16103.9	16844.6	16820.1	17423.5	15956.8	16413.0	20175.3
60°	16084.3	16182.4	16452.2	14014.3	11144.7	10889.7	10536.5	10153.9	10737.6	14033.9	18350.5
62.5°	14146.7	14029.0	14990.4	12748.7	7868.0	6587.8	6528.9	6764.3	8285.0	13386.4	17212.5
65°	10281.4	10428.6	11125.1	9893.9	5905.9	5027.9	4939.6	5636.1	6705.5	10727.8	13136.3
67.5°	6278.7	6563.2	6627.0	6102.1	4007.6	3183.5	3056.0	3688.7	4841.5	6940.9	7701.2
70°	2899.0	3242.4	3566.1	3330.7	2320.2	1309.7	1236.1	1550.1	2442.8	3992.9	4086.1
72.5°	878.0	882.9	1236.1	1290.1	750.5	294.3	260.0	343.4	829.0	1319.5	1388.2
75°	63.8	68.7	166.8	191.3	142.3	73.6	78.5	93.2	176.6	294.3	220.7
77.5°	4.9	4.9	4.9	24.5	44.1	49.1	63.8	73.6	93.2	107.9	98.1
80°	4.9	0.0	4.9	19.6	34.3	49.1	58.9	68.7	73.6	83.4	73.6
82.5°	0.0	0.0	0.0	14.7	34.3	49.1	54.0	73.6	83.4	98.1	83.4
85°	0.0	0.0	0.0	14.7	34.3	54.0	49.1	24.5	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7
2.5°	13371.7	13180.4	12743.8	12523.1	12003.2	11929.6	11419.4	11336.0	11164.4	11071.2	10845.5
5°	12233.7	12003.2	11291.9	10693.4	9996.9	9511.3	9138.5	8800.0	8603.8	8422.3	8505.7
7.5°	11306.6	10634.6	9844.8	8844.2	8039.7	7519.8	6950.7	6484.7	6210.0	6023.6	6067.8
10°	10335.4	9898.8	8800.0	7676.7	6705.5	6337.6	5891.2	5533.1	5145.6	4812.1	4655.1
12.5°	10031.2	9383.7	8005.4	6862.4	6126.7	5768.6	5258.4	4846.4	4351.0	3943.8	3801.6
15°	10085.2	9462.2	7789.5	6568.1	5699.9	5081.8	4473.6	3963.4	3419.0	3134.5	2987.3
17.5°	10963.2	9884.1	7931.8	6259.1	5106.4	4247.9	3497.4	2850.0	2442.8	2148.5	2084.7
20°	12042.4	10796.5	8235.9	6033.5	4620.7	3379.7	2555.6	1996.4	1658.0	1608.9	1594.2
22.5°	13621.9	12287.7	8888.3	5881.4	4027.2	2634.1	1751.2	1452.0	1358.8	1348.9	1353.8
25°	15829.2	14156.6	9599.6	5753.9	3580.8	2030.8	1432.3	1231.2	1201.8	1187.1	1211.6
27.5°	16785.8	15284.8	9977.3	5479.2	3173.7	1829.7	1412.7	1221.4	1138.0	1113.5	1128.2
30°	17967.9	16035.3	10570.8	5008.3	2575.3	1505.9	1319.5	1329.3	1290.1	1167.4	1128.2
32.5°	19537.6	16972.2	10870.0	4674.7	2300.6	1245.9	966.3	887.9	990.9	1010.5	1044.8
35°	20543.2	17923.8	11022.1	4478.5	2158.3	1064.4	819.2	745.6	721.1	726.0	745.6
37.5°	22412.1	19209.0	11213.4	4272.5	2050.4	927.1	740.7	672.0	637.7	637.7	657.3
40°	23530.5	20229.3	11473.4	4159.7	1942.5	843.7	672.0	613.2	583.7	583.7	593.5
42.5°	23810.1	20734.5	11385.1	4120.4	1819.8	824.1	613.2	569.0	534.7	529.8	524.9
45°	24310.4	21504.6	11399.8	4076.3	1692.3	750.5	578.8	529.8	480.7	475.8	470.9
47.5°	24859.8	22058.9	11429.2	3904.6	1569.7	627.9	603.3	490.5	431.7	421.9	421.9
50°	24388.9	22500.4	11684.3	3732.9	1412.7	510.1	593.5	461.1	382.6	367.9	372.8
52.5°	24447.8	23020.3	12223.9	3492.5	1216.5	407.1	480.7	436.6	348.3	323.7	328.7
55°	23506.0	22471.0	12297.5	3237.5	951.6	313.9	367.9	382.6	294.3	284.5	284.5
57.5°	20234.2	19027.5	10850.4	2624.3	627.9	260.0	264.9	333.6	255.1	245.3	250.2
60°	17315.5	15275.0	8731.3	1731.6	392.4	206.0	191.3	338.5	225.6	220.7	235.5
62.5°	15785.1	12552.5	6622.1	1074.3	269.8	157.0	132.4	274.7	196.2	196.2	215.8
65°	11404.7	8432.1	3850.6	564.1	191.3	122.6	98.1	157.0	161.9	166.8	176.6
67.5°	7063.6	4257.8	1623.6	274.7	127.5	83.4	63.8	98.1	107.9	107.9	117.7
70°	3487.6	1697.2	539.6	157.0	98.1	68.7	44.1	54.0	54.0	49.1	54.0
72.5°	1079.2	510.1	137.3	98.1	68.7	44.1	24.5	19.6	9.8	0.0	4.9
75°	122.6	98.1	88.3	68.7	44.1	19.6	4.9	0.0	0.0	0.0	0.0
77.5°	73.6	83.4	83.4	68.7	44.1	14.7	0.0	0.0	0.0	0.0	0.0
80°	58.9	63.8	68.7	63.8	39.2	19.6	0.0	0.0	0.0	0.0	0.0
82.5°	73.6	83.4	93.2	83.4	54.0	24.5	9.8	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	14.7	4.9	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7
2.5°	10752.3	10644.4	10796.5	10570.8	10565.9	10570.8	10507.0	10448.2	10541.4	10791.6	10816.1
5°	8206.5	8437.0	8510.6	8751.0	8618.5	8422.3	8461.6	8329.1	8652.9	8795.1	8682.3
7.5°	5974.6	5959.9	6455.3	6484.7	6548.5	6553.4	6543.6	6283.6	6018.7	6077.6	6254.2
10°	4635.5	4385.3	4625.7	4601.1	4758.1	4713.9	4777.7	4498.1	4591.3	4591.3	4704.1
12.5°	3777.0	3512.2	3468.0	3404.2	3468.0	3492.5	3517.1	3463.1	3620.1	3693.7	3772.1
15°	2884.3	2737.1	2697.9	2575.3	2594.9	2663.6	2722.4	2746.9	2697.9	2810.7	2820.5
17.5°	2094.5	2089.6	2114.2	2109.3	2089.6	2074.9	2070.0	2006.2	1986.6	1996.4	2035.7
20°	1589.3	1628.5	1711.9	1795.3	1839.5	1785.5	1711.9	1604.0	1559.9	1569.7	1574.6
22.5°	1358.8	1417.6	1530.4	1623.6	1667.8	1569.7	1437.2	1344.0	1324.4	1319.5	1314.6
25°	1231.2	1299.9	1383.3	1412.7	1407.8	1348.9	1250.8	1211.6	1201.8	1192.0	1147.8
27.5°	1162.5	1187.1	1201.8	1236.1	1250.8	1211.6	1187.1	1128.2	1118.4	1118.4	1089.0
30°	1123.3	1108.6	1128.2	1103.7	1123.3	1093.9	1098.8	1098.8	1074.3	1084.1	1084.1
32.5°	1044.8	1049.7	1049.7	1000.7	1015.4	981.1	1015.4	1044.8	1049.7	1054.6	1093.9
35°	765.2	853.5	897.7	897.7	912.4	887.9	882.9	848.6	804.5	760.3	740.7
37.5°	672.0	706.4	765.2	799.6	824.1	804.5	760.3	706.4	681.8	662.2	642.6
40°	598.4	627.9	667.1	706.4	755.4	730.9	662.2	637.7	608.3	608.3	588.6
42.5°	539.6	554.3	578.8	637.7	691.6	642.6	593.5	573.9	559.2	554.3	549.4
45°	485.6	490.5	515.1	564.1	627.9	578.8	529.8	505.2	510.1	515.1	510.1
47.5°	436.6	446.4	461.1	520.0	559.2	534.7	480.7	466.0	466.0	466.0	470.9
50°	377.7	402.2	431.7	480.7	510.1	495.4	451.3	431.7	421.9	421.9	426.8
52.5°	338.5	358.1	397.3	456.2	495.4	470.9	426.8	397.3	377.7	372.8	382.6
55°	294.3	328.7	392.4	436.6	490.5	466.0	416.9	382.6	348.3	343.4	343.4
57.5°	264.9	318.8	377.7	431.7	475.8	456.2	416.9	372.8	328.7	323.7	323.7
60°	250.2	309.0	367.9	416.9	475.8	446.4	412.0	363.0	313.9	313.9	309.0
62.5°	235.5	289.4	348.3	397.3	456.2	431.7	397.3	348.3	299.2	299.2	289.4
65°	196.2	250.2	289.4	333.6	397.3	372.8	338.5	304.1	264.9	255.1	260.0
67.5°	137.3	171.7	210.9	255.1	294.3	284.5	269.8	245.3	210.9	206.0	201.1
70°	68.7	93.2	127.5	171.7	206.0	196.2	186.4	166.8	147.2	142.3	142.3
72.5°	9.8	29.4	54.0	78.5	107.9	112.8	107.9	103.0	98.1	93.2	98.1
75°	0.0	0.0	0.0	19.6	44.1	54.0	63.8	73.6	73.6	63.8	78.5
77.5°	0.0	0.0	0.0	0.0	4.9	24.5	49.1	63.8	78.5	68.7	93.2
80°	0.0	0.0	0.0	0.0	4.9	29.4	49.1	68.7	78.5	68.7	98.1
82.5°	0.0	0.0	0.0	0.0	4.9	34.3	49.1	63.8	73.6	68.7	88.3
85°	0.0	0.0	0.0	0.0	14.7	29.4	19.6	9.8	4.9	4.9	14.7
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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CATALOG NUMBER: GALN-SA8C-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7	12645.7
2.5°	10953.4	11301.7	11674.5	11816.8	12258.2	12591.8	12817.4	13303.0	13376.6	13381.5
5°	8800.0	8976.6	9614.3	9913.5	10570.8	11081.0	11625.4	12410.3	12935.1	12974.4
7.5°	6254.2	6744.7	7014.5	7794.4	8603.8	9403.4	10212.7	11125.1	11733.4	11748.1
10°	5032.8	5351.6	5832.3	6416.1	7097.9	7912.2	8991.3	10050.9	10668.9	10821.0
12.5°	4051.7	4610.9	5160.3	5763.7	6283.6	6896.8	8059.3	9472.0	9982.2	10286.3
15°	3119.7	3629.9	4277.4	4983.7	5572.4	6391.5	7716.0	9329.8	10188.2	10291.2
17.5°	2300.6	2756.8	3355.2	4022.3	4905.3	6067.8	7774.8	10050.9	10860.2	11031.9
20°	1653.1	1918.0	2388.9	3163.9	4287.2	5690.1	7833.7	10781.7	12013.0	12307.3
22.5°	1309.7	1417.6	1726.6	2413.4	3595.5	5292.8	8250.6	12179.7	13597.4	14024.1
25°	1138.0	1196.9	1344.0	1903.2	3159.0	5253.5	8917.7	13857.3	15706.6	16015.6
27.5°	1098.8	1108.6	1236.1	1746.3	2923.5	4993.5	9172.8	15049.3	17021.2	17335.2
30°	1157.6	1314.6	1324.4	1476.5	2487.0	4478.5	9305.3	16202.0	18134.7	18365.3
32.5°	1000.7	951.6	986.0	1142.9	2187.7	4179.3	9555.4	17207.6	19405.2	19567.0
35°	696.5	730.9	809.4	990.9	1913.0	3865.3	9619.2	18316.2	20611.9	20778.6
37.5°	642.6	662.2	726.0	843.7	1682.5	3688.7	9530.9	19125.6	21862.7	22093.3
40°	598.4	623.0	657.3	765.2	1510.8	3492.5	9408.3	19856.5	22627.9	23196.9
42.5°	564.1	583.7	613.2	730.9	1363.7	3296.3	9236.6	20886.6	23314.7	23810.1
45°	524.9	554.3	588.6	711.3	1280.3	3163.9	9109.1	20822.8	23712.0	23976.9
47.5°	485.6	534.7	573.9	662.2	1255.7	3100.1	9163.0	20582.4	23388.2	23206.7
50°	446.4	510.1	578.8	549.4	1196.9	2972.6	9226.8	20911.1	22618.1	22583.8
52.5°	412.0	485.6	539.6	451.3	1064.4	2850.0	9844.8	21342.8	23162.6	22706.4
55°	363.0	436.6	431.7	363.0	863.3	2756.8	10330.5	21352.6	22794.7	22966.4
57.5°	328.7	387.5	338.5	304.1	637.7	2305.5	9540.7	17904.2	19513.1	19817.2
60°	304.1	377.7	255.1	240.4	416.9	1662.9	8329.1	13867.1	15510.4	16084.3
62.5°	279.6	358.1	201.1	196.2	289.4	1182.2	6847.7	11605.8	13366.8	14146.7
65°	245.3	255.1	161.9	152.1	206.0	637.7	4169.5	7990.7	9992.0	10281.4
67.5°	201.1	196.2	132.4	122.6	137.3	309.0	1839.5	4002.7	5793.1	6278.7
70°	161.9	161.9	112.8	98.1	98.1	142.3	480.7	1594.2	2619.4	2899.0
72.5°	117.7	122.6	88.3	78.5	73.6	68.7	78.5	318.8	686.7	878.0
75°	103.0	107.9	88.3	68.7	54.0	44.1	34.3	29.4	39.2	63.8
77.5°	112.8	112.8	93.2	63.8	49.1	34.3	19.6	9.8	9.8	4.9
80°	142.3	147.2	122.6	83.4	58.9	39.2	24.5	9.8	4.9	4.9
82.5°	152.1	166.8	137.3	103.0	73.6	44.1	24.5	4.9	0.0	0.0
85°	39.2	63.8	107.9	93.2	73.6	44.1	24.5	4.9	0.0	0.0
87.5°	0.0	4.9	14.7	14.7	19.6	19.6	14.7	4.9	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)