

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: STREETWORKS

Report Number: P531225

Luminaire Tested: **GLAN-SA6C-730-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531225
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: STREETWORKS
Catalog Number: GLAN-SA6C-730-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 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: 20990 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

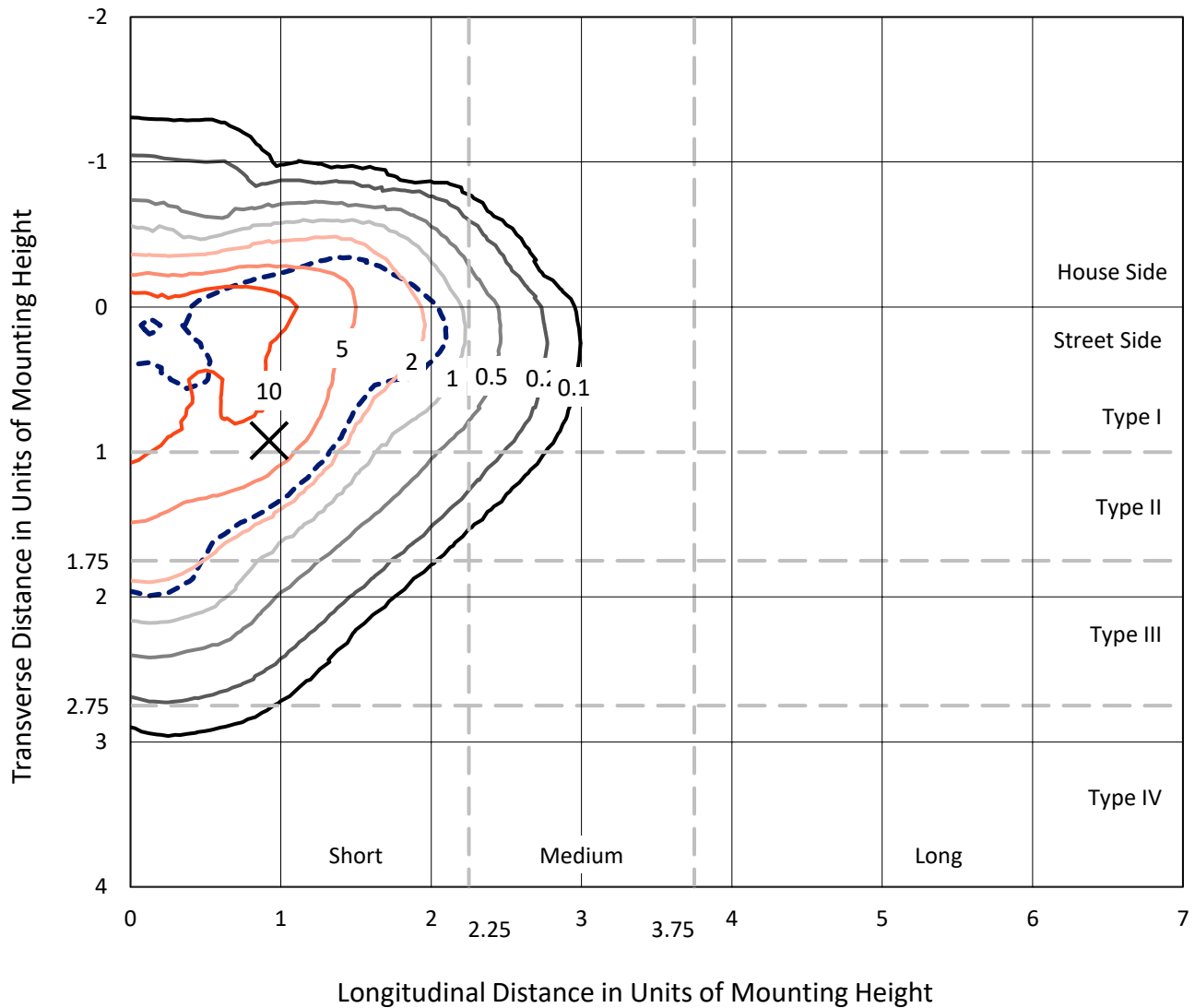
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

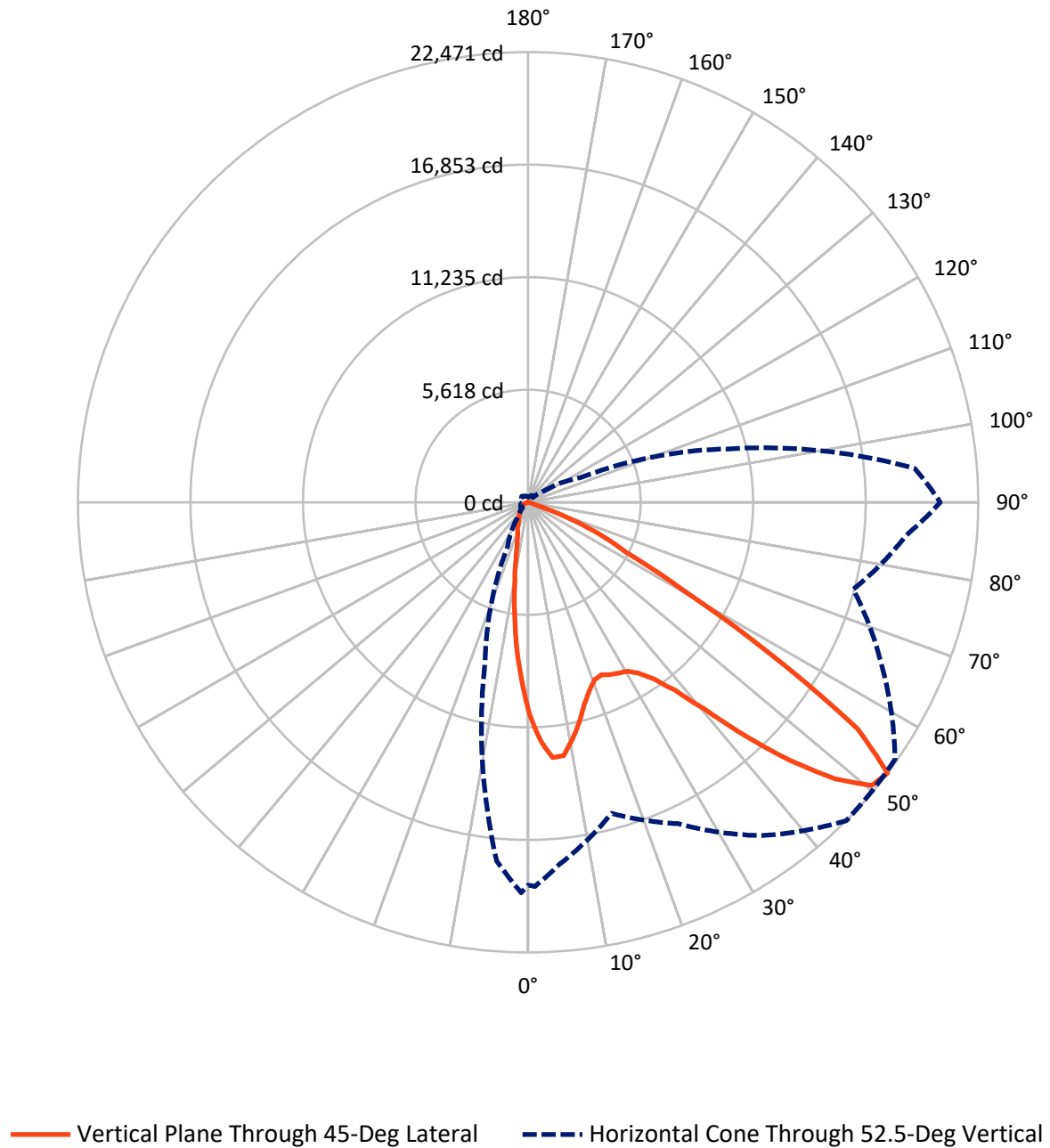
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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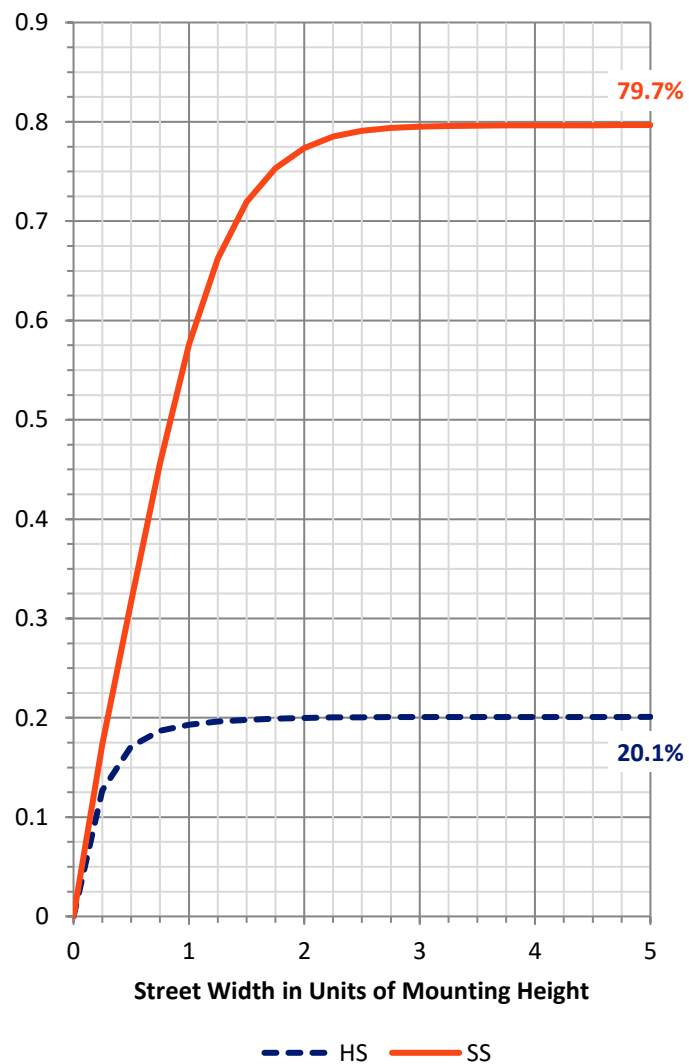
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4259.9	0.0	4259.9
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	16730.1	0.0	16730.1
	% Fixture	79.7	0.0	79.7
Total	Lumens	20990.0	0.0	20990.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	776.2	3.7
10°-20°	1531.4	7.3
20°-30°	2330.5	11.1
30°-40°	3483.2	16.6
40°-50°	4960.3	23.6
50°-60°	5332.2	25.4
60°-70°	2362.8	11.3
70°-80°	191.2	0.9
80°-90°	22.3	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°	20990.0	100.0
0°-180°	20990.0	100.0

Coefficient of Utilization



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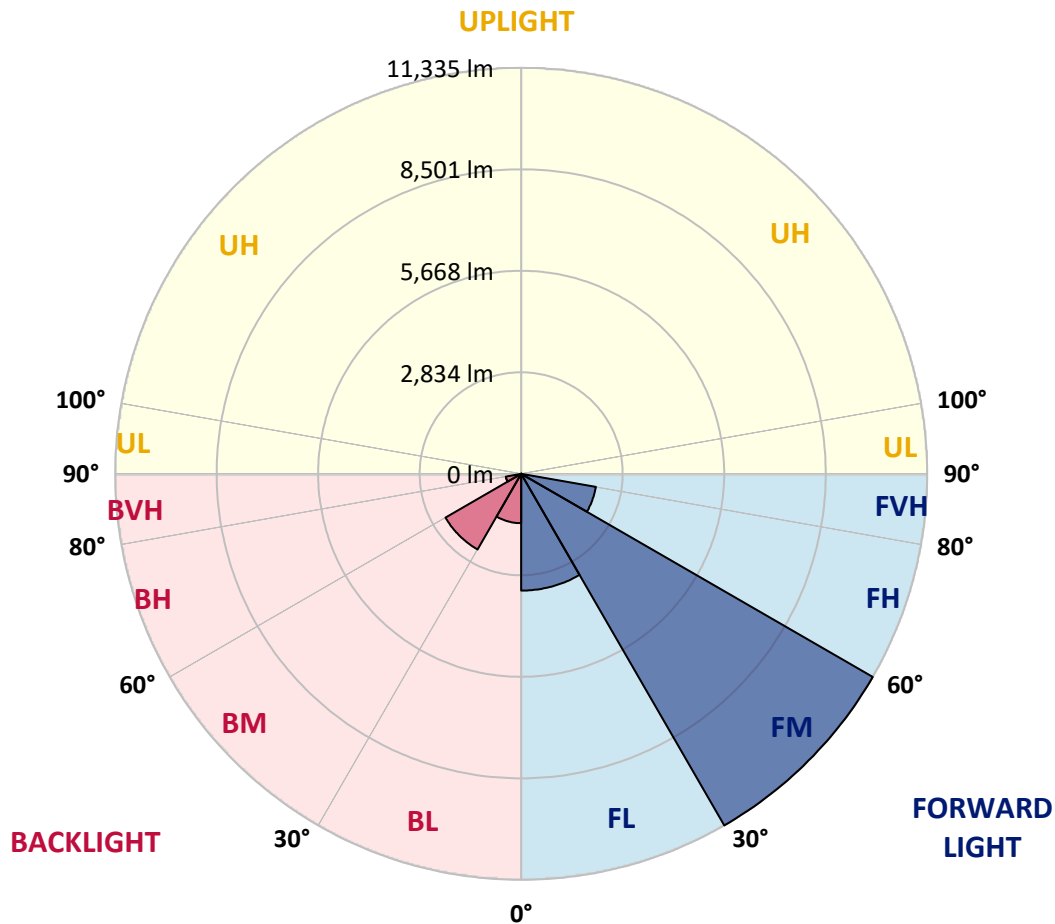
CATALOG NUMBER: GLAN-SA6C-730-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3260.2	15.5			
FM	(30°-60°)	11335.3	54.0			
FH	(60°-80°)	2118.1	10.1			G2/5000
FVH	(80°-90°)	16.5	0.1			G1/100
BL	(0°-30°)	1377.8	6.6	B3/2500		
BM	(30°-60°)	2440.5	11.6	B2/2500		
BH	(60°-80°)	435.9	2.1	B1/500		G1/500
BVH	(80°-90°)	5.8	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°	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9
2.5°	11262.2	11295.2	11476.8	11703.9	11823.6	12096.1	11906.2	11955.7	11852.5	11489.2	11204.4
5°	10919.5	10915.4	11146.6	11708.0	12240.6	12781.4	12797.9	12508.9	12001.1	11443.8	10647.0
7.5°	9887.4	10048.4	10287.9	11183.7	12170.4	12575.0	12769.0	12430.5	11650.2	10853.5	9990.6
10°	9107.2	9189.7	9594.3	10675.9	11398.4	11939.2	12058.9	11864.9	11266.3	10271.4	9305.3
12.5°	8657.2	8698.4	9173.2	10081.4	10845.2	11245.6	11303.4	11394.3	10964.9	10031.9	8871.8
15°	8661.3	8694.3	9334.2	10093.8	10395.2	10287.9	10477.8	10473.6	10659.4	9986.5	9235.1
17.5°	9284.7	9321.8	9899.8	10275.5	10143.4	9891.5	9879.2	10069.1	10461.3	10552.1	9784.2
20°	10358.0	10444.7	10870.0	10849.3	10106.2	9598.4	9458.1	9602.6	10514.9	11031.0	10890.6
22.5°	11803.0	11922.7	12219.9	11650.2	10275.5	9400.3	9354.9	9635.6	10870.0	12100.2	12145.6
25°	13479.1	13681.4	13825.9	13095.2	10878.2	9742.9	9528.2	10011.3	11348.9	13260.3	13743.3
27.5°	14589.6	14800.2	14767.1	13722.7	11282.8	9833.7	9652.1	10102.1	11765.8	13536.9	14577.2
30°	15456.6	15584.5	15815.7	14061.2	11687.4	10089.7	9780.1	10486.0	11902.1	14015.8	15584.5
32.5°	16468.0	16554.7	16571.2	14659.8	12310.8	10411.7	10176.4	10964.9	12504.8	14474.0	16476.3
35°	17487.7	17615.7	17347.4	15398.8	12694.7	11010.3	10836.9	11794.7	12987.8	14948.8	17458.8
37.5°	18594.1	18660.2	18040.9	15704.3	13243.8	11984.6	11889.7	12690.6	13825.9	15807.5	18548.7
40°	19523.0	19584.9	18779.9	16080.0	13821.7	13347.0	13590.6	14399.7	14965.3	16364.8	19093.7
42.5°	20039.0	20183.5	19027.6	15873.5	14981.8	14891.0	15972.6	16257.5	16286.4	16521.7	19580.8
45°	20179.4	20113.4	18618.9	16042.8	15997.4	17429.9	18412.5	18788.2	17599.2	16810.7	19704.7
47.5°	19531.3	19618.0	18016.2	15894.2	17330.8	19353.7	20625.3	21323.0	18577.6	16558.8	19399.2
50°	19007.0	18895.5	17822.1	15786.8	17690.0	20262.0	22222.9	22379.8	19477.6	16868.5	19064.8
52.5°	19110.2	19180.3	18131.7	16071.7	17698.3	20315.6	22470.6	22363.3	19506.5	16798.3	18945.0
55°	19329.0	19019.3	17999.6	15444.2	16513.4	18817.1	19944.1	19779.0	18003.8	16051.1	18651.9
57.5°	16678.6	17157.5	16550.6	13788.7	13553.4	14176.8	14156.1	14663.9	13429.5	13813.5	16979.9
60°	13536.9	13619.5	13846.5	11794.7	9379.6	9165.0	8867.7	8545.7	9037.0	11811.2	15444.2
62.5°	11906.2	11807.1	12616.3	10729.6	6621.9	5544.4	5494.8	5693.0	6972.8	11266.3	14486.4
65°	8653.0	8776.9	9363.1	8326.9	4970.5	4231.6	4157.3	4743.5	5643.5	9028.7	11055.7
67.5°	5284.3	5523.7	5577.4	5135.7	3372.9	2679.3	2572.0	3104.5	4074.7	5841.6	6481.5
70°	2439.9	2728.8	3001.3	2803.2	1952.7	1102.3	1040.3	1304.6	2055.9	3360.5	3438.9
72.5°	739.0	743.1	1040.3	1085.8	631.6	247.7	218.8	289.0	697.7	1110.5	1168.3
75°	53.7	57.8	140.4	161.0	119.7	61.9	66.1	78.4	148.6	247.7	185.8
77.5°	4.1	4.1	4.1	20.6	37.2	41.3	53.7	61.9	78.4	90.8	82.6
80°	4.1	0.0	4.1	16.5	28.9	41.3	49.5	57.8	61.9	70.2	61.9
82.5°	0.0	0.0	0.0	12.4	28.9	41.3	45.4	61.9	70.2	82.6	70.2
85°	0.0	0.0	0.0	12.4	28.9	45.4	41.3	20.6	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°	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9
2.5°	11253.9	11092.9	10725.5	10539.7	10102.1	10040.2	9610.8	9540.6	9396.1	9317.7	9127.8
5°	10296.1	10102.1	9503.5	8999.8	8413.6	8004.9	7691.1	7406.3	7241.1	7088.4	7158.6
7.5°	9515.9	8950.3	8285.6	7443.4	6766.4	6328.8	5849.9	5457.7	5226.5	5069.6	5106.8
10°	8698.4	8331.0	7406.3	6460.9	5643.5	5333.8	4958.2	4656.8	4330.6	4049.9	3917.8
12.5°	8442.5	7897.5	6737.5	5775.6	5156.3	4854.9	4425.6	4078.8	3661.9	3319.2	3199.5
15°	8487.9	7963.6	6555.8	5527.9	4797.2	4277.0	3765.1	3335.7	2877.5	2638.0	2514.2
17.5°	9226.9	8318.6	6675.6	5267.8	4297.6	3575.2	2943.5	2398.6	2055.9	1808.2	1754.6
20°	10135.1	9086.5	6931.5	5077.9	3888.9	2844.4	2150.9	1680.2	1395.4	1354.1	1341.7
22.5°	11464.4	10341.5	7480.6	4949.9	3389.4	2216.9	1473.8	1222.0	1143.6	1135.3	1139.4
25°	13322.2	11914.4	8079.2	4842.6	3013.7	1709.1	1205.5	1036.2	1011.4	999.1	1019.7
27.5°	14127.2	12864.0	8397.1	4611.4	2671.0	1539.9	1189.0	1028.0	957.8	937.1	949.5
30°	15122.2	13495.6	8896.6	4215.1	2167.4	1267.4	1110.5	1118.8	1085.8	982.5	949.5
32.5°	16443.2	14284.1	9148.4	3934.3	1936.2	1048.6	813.3	747.2	833.9	850.4	879.3
35°	17289.6	15085.0	9276.4	3769.2	1816.5	895.9	689.4	627.5	606.9	611.0	627.5
37.5°	18862.5	16166.6	9437.4	3595.8	1725.7	780.3	623.4	565.6	536.7	536.7	553.2
40°	19803.7	17025.3	9656.2	3500.8	1634.8	710.1	565.6	516.0	491.3	491.3	499.5
42.5°	20039.0	17450.6	9581.9	3467.8	1531.6	693.6	516.0	478.9	450.0	445.9	441.7
45°	20460.1	18098.7	9594.3	3430.7	1424.3	631.6	487.1	445.9	404.6	400.5	396.3
47.5°	20922.5	18565.2	9619.1	3286.2	1321.1	528.4	507.8	412.8	363.3	355.0	355.0
50°	20526.2	18936.8	9833.7	3141.7	1189.0	429.3	499.5	388.1	322.0	309.6	313.8
52.5°	20575.7	19374.4	10287.9	2939.4	1023.8	342.7	404.6	367.4	293.1	272.5	276.6
55°	19783.1	18912.0	10349.8	2724.7	800.9	264.2	309.6	322.0	247.7	239.4	239.4
57.5°	17029.5	16013.9	9131.9	2208.7	528.4	218.8	222.9	280.7	214.7	206.4	210.5
60°	14573.1	12855.7	7348.5	1457.3	330.3	173.4	161.0	284.9	189.9	185.8	198.2
62.5°	13285.1	10564.5	5573.3	904.1	227.1	132.1	111.5	231.2	165.1	165.1	181.6
65°	9598.4	7096.6	3240.8	474.8	161.0	103.2	82.6	132.1	136.2	140.4	148.6
67.5°	5944.8	3583.4	1366.5	231.2	107.3	70.2	53.7	82.6	90.8	90.8	99.1
70°	2935.3	1428.4	454.1	132.1	82.6	57.8	37.2	45.4	45.4	41.3	45.4
72.5°	908.2	429.3	115.6	82.6	57.8	37.2	20.6	16.5	8.3	0.0	4.1
75°	103.2	82.6	74.3	57.8	37.2	16.5	4.1	0.0	0.0	0.0	0.0
77.5°	61.9	70.2	70.2	57.8	37.2	12.4	0.0	0.0	0.0	0.0	0.0
80°	49.5	53.7	57.8	53.7	33.0	16.5	0.0	0.0	0.0	0.0	0.0
82.5°	61.9	70.2	78.4	70.2	45.4	20.6	8.3	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	12.4	4.1	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°	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9
2.5°	9049.4	8958.5	9086.5	8896.6	8892.5	8896.6	8842.9	8793.4	8871.8	9082.4	9103.0
5°	6906.7	7100.8	7162.7	7365.0	7253.5	7088.4	7121.4	7010.0	7282.4	7402.1	7307.2
7.5°	5028.3	5016.0	5432.9	5457.7	5511.4	5515.5	5507.2	5288.4	5065.5	5115.0	5263.7
10°	3901.3	3690.8	3893.0	3872.4	4004.5	3967.4	4021.0	3785.7	3864.1	3864.1	3959.1
12.5°	3178.8	2955.9	2918.7	2865.1	2918.7	2939.4	2960.0	2914.6	3046.7	3108.7	3174.7
15°	2427.5	2303.6	2270.6	2167.4	2183.9	2241.7	2291.2	2311.9	2270.6	2365.5	2373.8
17.5°	1762.8	1758.7	1779.3	1775.2	1758.7	1746.3	1742.2	1688.5	1672.0	1680.2	1713.3
20°	1337.6	1370.6	1440.8	1511.0	1548.1	1502.7	1440.8	1350.0	1312.8	1321.1	1325.2
22.5°	1143.6	1193.1	1288.0	1366.5	1403.6	1321.1	1209.6	1131.2	1114.7	1110.5	1106.4
25°	1036.2	1094.0	1164.2	1189.0	1184.8	1135.3	1052.7	1019.7	1011.4	1003.2	966.0
27.5°	978.4	999.1	1011.4	1040.3	1052.7	1019.7	999.1	949.5	941.3	941.3	916.5
30°	945.4	933.0	949.5	928.9	945.4	920.6	924.8	924.8	904.1	912.4	912.4
32.5°	879.3	883.5	883.5	842.2	854.6	825.7	854.6	879.3	883.5	887.6	920.6
35°	644.0	718.3	755.5	755.5	767.9	747.2	743.1	714.2	677.1	639.9	623.4
37.5°	565.6	594.5	644.0	672.9	693.6	677.1	639.9	594.5	573.8	557.3	540.8
40°	503.7	528.4	561.5	594.5	635.8	615.1	557.3	536.7	511.9	511.9	495.4
42.5°	454.1	466.5	487.1	536.7	582.1	540.8	499.5	483.0	470.6	466.5	462.4
45°	408.7	412.8	433.5	474.8	528.4	487.1	445.9	425.2	429.3	433.5	429.3
47.5°	367.4	375.7	388.1	437.6	470.6	450.0	404.6	392.2	392.2	392.2	396.3
50°	317.9	338.5	363.3	404.6	429.3	417.0	379.8	363.3	355.0	355.0	359.2
52.5°	284.9	301.4	334.4	383.9	417.0	396.3	359.2	334.4	317.9	313.8	322.0
55°	247.7	276.6	330.3	367.4	412.8	392.2	350.9	322.0	293.1	289.0	289.0
57.5°	222.9	268.3	317.9	363.3	400.5	383.9	350.9	313.8	276.6	272.5	272.5
60°	210.5	260.1	309.6	350.9	400.5	375.7	346.8	305.5	264.2	264.2	260.1
62.5°	198.2	243.6	293.1	334.4	383.9	363.3	334.4	293.1	251.8	251.8	243.6
65°	165.1	210.5	243.6	280.7	334.4	313.8	284.9	256.0	222.9	214.7	218.8
67.5°	115.6	144.5	177.5	214.7	247.7	239.4	227.1	206.4	177.5	173.4	169.3
70°	57.8	78.4	107.3	144.5	173.4	165.1	156.9	140.4	123.9	119.7	119.7
72.5°	8.3	24.8	45.4	66.1	90.8	95.0	90.8	86.7	82.6	78.4	82.6
75°	0.0	0.0	0.0	16.5	37.2	45.4	53.7	61.9	61.9	53.7	66.1
77.5°	0.0	0.0	0.0	0.0	4.1	20.6	41.3	53.7	66.1	57.8	78.4
80°	0.0	0.0	0.0	0.0	4.1	24.8	41.3	57.8	66.1	57.8	82.6
82.5°	0.0	0.0	0.0	0.0	4.1	28.9	41.3	53.7	61.9	57.8	74.3
85°	0.0	0.0	0.0	0.0	12.4	24.8	16.5	8.3	4.1	4.1	12.4
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: GLAN-SA6C-730-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9	10642.9
2.5°	9218.6	9511.7	9825.5	9945.2	10316.8	10597.5	10787.4	11196.1	11258.0	11262.2
5°	7406.3	7554.9	8091.6	8343.4	8896.6	9326.0	9784.2	10444.7	10886.5	10919.5
7.5°	5263.7	5676.5	5903.6	6560.0	7241.1	7914.1	8595.2	9363.1	9875.0	9887.4
10°	4235.7	4504.0	4908.6	5399.9	5973.7	6659.0	7567.3	8459.0	8979.2	9107.2
12.5°	3410.0	3880.7	4343.0	4850.8	5288.4	5804.5	6782.9	7971.9	8401.2	8657.2
15°	2625.6	3055.0	3599.9	4194.4	4689.8	5379.2	6493.9	7852.1	8574.6	8661.3
17.5°	1936.2	2320.1	2823.8	3385.3	4128.4	5106.8	6543.4	8459.0	9140.2	9284.7
20°	1391.3	1614.2	2010.5	2662.8	3608.2	4788.9	6593.0	9074.1	10110.3	10358.0
22.5°	1102.3	1193.1	1453.2	2031.2	3026.1	4454.5	6943.9	10250.7	11443.8	11803.0
25°	957.8	1007.3	1131.2	1601.8	2658.7	4421.5	7505.4	11662.6	13219.0	13479.1
27.5°	924.8	933.0	1040.3	1469.7	2460.5	4202.7	7720.0	12665.8	14325.4	14589.6
30°	974.3	1106.4	1114.7	1242.6	2093.1	3769.2	7831.5	13636.0	15262.5	15456.6
32.5°	842.2	800.9	829.8	961.9	1841.2	3517.4	8042.0	14482.3	16331.8	16468.0
35°	586.2	615.1	681.2	833.9	1610.1	3253.1	8095.7	15415.3	17347.4	17487.7
37.5°	540.8	557.3	611.0	710.1	1416.0	3104.5	8021.4	16096.5	18400.1	18594.1
40°	503.7	524.3	553.2	644.0	1271.5	2939.4	7918.2	16711.6	19044.1	19523.0
42.5°	474.8	491.3	516.0	615.1	1147.7	2774.3	7773.7	17578.5	19622.1	20039.0
45°	441.7	466.5	495.4	598.6	1077.5	2662.8	7666.4	17524.9	19956.5	20179.4
47.5°	408.7	450.0	483.0	557.3	1056.9	2609.1	7711.8	17322.6	19684.0	19531.3
50°	375.7	429.3	487.1	462.4	1007.3	2501.8	7765.4	17599.2	19035.9	19007.0
52.5°	346.8	408.7	454.1	379.8	895.9	2398.6	8285.6	17962.5	19494.1	19110.2
55°	305.5	367.4	363.3	305.5	726.6	2320.1	8694.3	17970.7	19184.5	19329.0
57.5°	276.6	326.1	284.9	256.0	536.7	1940.3	8029.7	15068.5	16422.6	16678.6
60°	256.0	317.9	214.7	202.3	350.9	1399.5	7010.0	11670.9	13053.9	13536.9
62.5°	235.3	301.4	169.3	165.1	243.6	994.9	5763.2	9767.7	11249.8	11906.2
65°	206.4	214.7	136.2	128.0	173.4	536.7	3509.1	6725.1	8409.5	8653.0
67.5°	169.3	165.1	111.5	103.2	115.6	260.1	1548.1	3368.7	4875.6	5284.3
70°	136.2	136.2	95.0	82.6	82.6	119.7	404.6	1341.7	2204.5	2439.9
72.5°	99.1	103.2	74.3	66.1	61.9	57.8	66.1	268.3	578.0	739.0
75°	86.7	90.8	74.3	57.8	45.4	37.2	28.9	24.8	33.0	53.7
77.5°	95.0	95.0	78.4	53.7	41.3	28.9	16.5	8.3	8.3	4.1
80°	119.7	123.9	103.2	70.2	49.5	33.0	20.6	8.3	4.1	4.1
82.5°	128.0	140.4	115.6	86.7	61.9	37.2	20.6	4.1	0.0	0.0
85°	33.0	53.7	90.8	78.4	61.9	37.2	20.6	4.1	0.0	0.0
87.5°	0.0	4.1	12.4	12.4	16.5	16.5	12.4	4.1	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

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