

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: P324122

Luminaire Tested: **GAN-SA8B-730-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324122
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8B-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30920 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

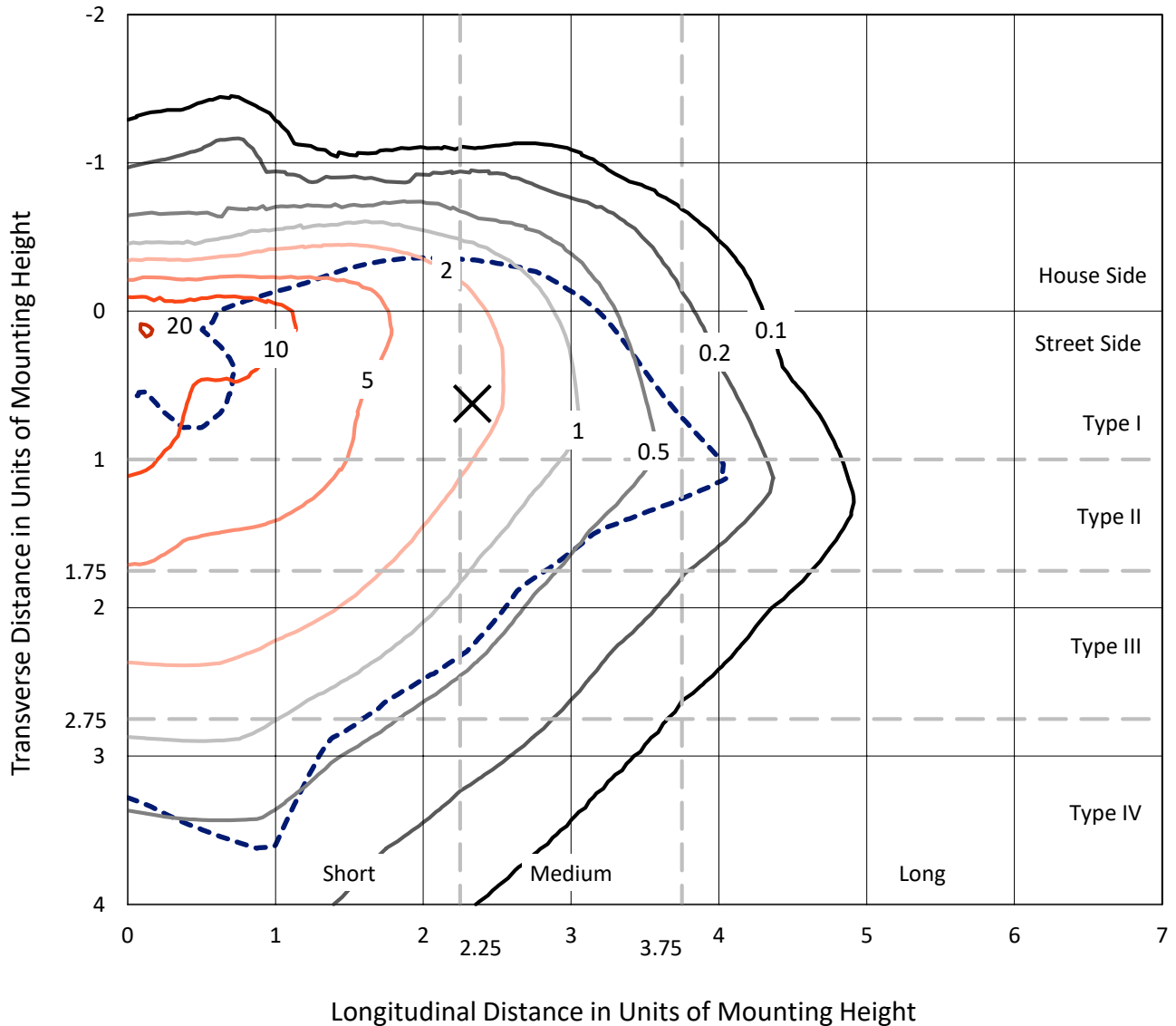
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

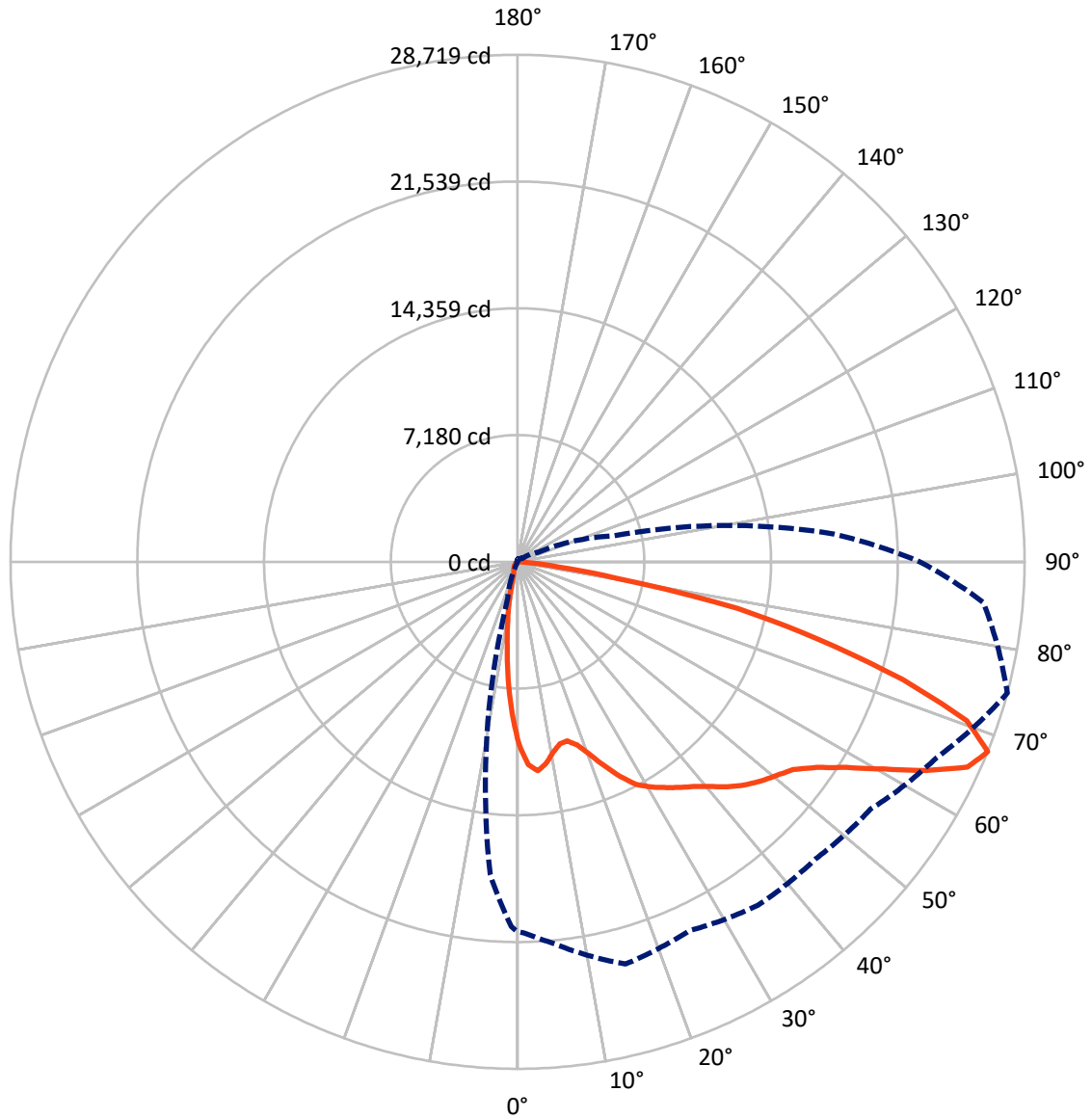
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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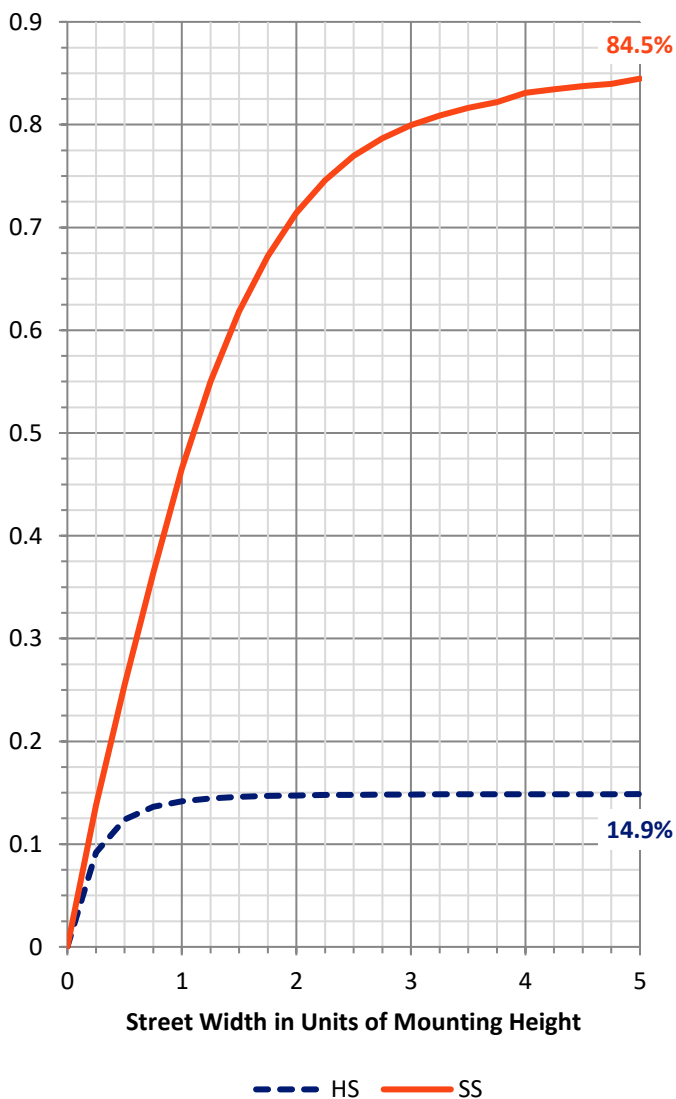
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4639.9	0.0	4639.9
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	26280.1	0.0	26280.1
	% Fixture	85.0	0.0	85.0
Total	Lumens	30920.0	0.0	30920.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	786.8	2.5
10°-20°	1549.3	5.0
20°-30°	2191.8	7.1
30°-40°	3222.6	10.4
40°-50°	4632.0	15.0
50°-60°	6520.6	21.1
60°-70°	7615.5	24.6
70°-80°	3885.2	12.6
80°-90°	516.1	1.7
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°	30920.0	100.0
0°-180°	30920.0	100.0

Coefficient of Utilization

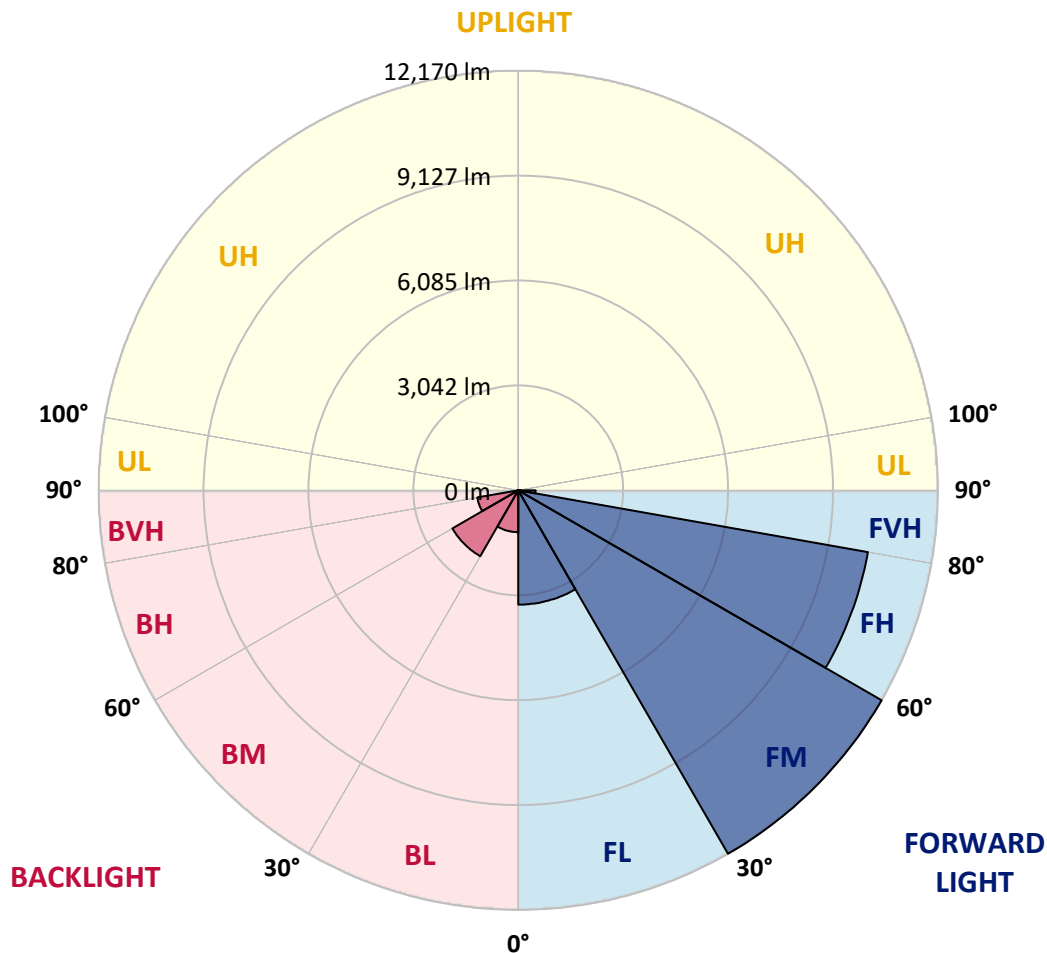


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3314.6	10.7			
FM (30°-60°)	12169.6	39.4			
FH (60°-80°)	10295.5	33.3			G4/12000
FVH (80°-90°)	500.5	1.6			G4/750
BL (0°-30°)	1213.4	3.9	B3/2500		
BM (30°-60°)	2205.7	7.1	B2/2500		
BH (60°-80°)	1205.2	3.9	B3/2500		G3/2500
BVH (80°-90°)	15.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1
2.5°	11244.6	11262.2	11353.0	11563.9	11793.9	11811.5	11966.7	11807.1	11752.9	11495.1	11228.5
5°	11329.6	11397.0	11709.0	12328.5	12866.1	13038.9	13162.0	12848.5	12518.9	11889.1	11216.8
7.5°	10645.6	10758.4	11249.0	12412.0	13372.9	13797.6	13878.2	13387.5	12580.5	11543.4	10532.8
10°	9769.7	9898.6	10490.3	11919.9	13239.6	13967.5	14078.9	13435.9	12275.8	10983.9	9793.1
12.5°	9060.7	9211.6	9816.5	11366.2	12781.1	13586.7	13806.4	13273.3	12012.2	10587.0	9287.8
15°	8734.1	8906.9	9542.6	11008.8	12272.9	12907.1	13088.7	12858.8	11865.7	10524.0	9170.6
17.5°	8921.6	9109.1	9765.3	11039.6	11795.4	12066.3	12212.8	12306.6	11865.7	10903.4	9513.3
20°	9690.6	9892.7	10587.0	11351.6	11399.9	11298.8	11455.6	11785.1	12003.4	11624.0	10336.5
22.5°	10754.0	10991.2	11774.9	11886.2	11206.6	10824.3	10844.8	11361.8	12253.8	12538.0	11479.0
25°	12050.2	12340.2	13137.1	12683.0	11287.1	10541.6	10534.3	11013.2	12498.4	13453.4	12751.8
27.5°	13337.7	13657.0	14357.2	13655.6	11619.6	10490.3	10475.7	10907.8	12737.2	14267.8	14141.8
30°	14417.2	14727.7	15331.2	14360.1	11978.5	10610.4	10540.1	11020.5	12879.3	14796.6	15155.4
32.5°	15296.0	15545.0	16032.8	14844.9	12362.2	10843.3	10691.0	11322.3	13120.9	15243.3	16087.0
35°	16262.8	16524.9	16719.8	15306.3	12792.8	11178.7	10960.5	11801.2	13493.0	15697.4	17107.9
37.5°	17365.7	17626.4	17603.0	15728.1	13339.2	11733.9	11594.7	12560.0	14071.5	16147.0	18247.5
40°	18445.2	18711.8	18521.4	16189.5	13980.7	12649.3	12546.8	13699.5	14846.4	16722.7	19583.3
42.5°	19455.8	19744.4	19337.2	16626.0	14745.3	13803.5	13979.3	15167.2	15816.0	17431.6	20734.5
45°	20270.2	20564.6	20021.2	17050.8	15550.9	15203.8	15732.5	16793.0	16981.9	18030.7	21512.3
47.5°	20862.0	21140.3	20495.8	17475.5	16582.1	16916.0	17837.3	18497.9	18035.1	18550.7	22064.5
50°	21239.9	21456.7	20634.9	18007.2	17935.5	18913.9	20030.0	20352.3	19026.7	19019.4	22735.3
52.5°	21480.1	21578.2	20737.5	18562.4	19347.5	21089.0	22177.3	22278.4	20047.6	19534.9	23639.1
55°	22307.7	22386.7	21464.0	19234.7	20514.8	22994.6	24119.5	24025.8	21203.3	20544.1	24705.4
57.5°	23719.6	23803.1	22965.3	20201.4	21459.6	24172.2	25527.1	25695.5	22558.1	21962.0	25847.9
60°	24428.6	24583.8	24285.0	21425.9	22375.0	24925.1	26486.5	27024.0	24251.3	23831.0	26955.2
62.5°	23785.6	24011.1	24444.7	22783.7	23284.6	25339.6	26785.3	27500.1	25985.6	26009.0	27637.8
65°	22502.5	22682.6	23417.9	23527.8	23811.9	25288.4	26047.1	26835.1	27047.5	28009.8	27601.1
67.5°	20952.8	21020.2	21644.1	23586.4	23047.3	23747.5	23829.5	24412.5	26208.2	28718.7	26492.4
70°	18722.0	18758.6	19303.5	21625.1	19805.9	19959.7	19838.1	19956.8	22531.8	26991.8	23693.3
72.5°	15067.6	15159.8	15934.7	17958.9	14428.9	13985.1	14940.1	14887.4	17352.5	22804.2	17597.1
75°	11093.8	11253.4	12423.7	14465.6	10127.1	9160.3	9857.6	10043.6	12335.9	17639.6	11004.4
77.5°	7767.4	7886.0	9019.7	10633.9	7329.4	6550.2	6298.3	6519.5	8142.4	12760.6	5544.0
80°	4474.7	4518.7	5242.2	6140.1	4939.0	5650.9	5119.2	5271.5	4879.0	5677.2	2384.6
82.5°	2928.0	2935.3	3218.0	3654.5	3075.9	3573.9	2645.3	3382.0	3001.2	2280.6	776.3
85°	1581.9	1590.7	1866.1	2594.0	1741.5	984.3	578.6	1187.9	1855.8	522.9	212.4
87.5°	174.3	159.7	562.5	943.3	483.4	89.3	30.8	133.3	297.3	33.7	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°	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1
2.5°	11092.3	10970.7	10667.5	10346.8	10089.0	9847.3	9604.2	9306.8	9076.9	9030.0	8953.8
5°	10855.0	10469.8	9834.1	9195.5	8681.4	8032.5	7620.9	7300.2	6986.7	6967.7	6904.7
7.5°	10026.0	9519.2	8624.3	7741.0	7017.5	6399.4	5775.4	5357.9	5029.8	4914.1	4845.3
10°	9229.2	8659.4	7541.8	6534.1	5888.2	5341.8	4902.4	4465.9	4070.5	3798.0	3675.0
12.5°	8672.6	8042.8	6810.9	5942.4	5479.5	4961.0	4424.9	3880.0	3424.5	3096.4	2895.7
15°	8457.3	7785.0	6566.3	5708.0	5136.8	4480.6	3795.1	3172.6	2667.3	2369.9	2189.8
17.5°	8713.6	7931.4	6547.3	5422.4	4624.1	3808.3	3051.0	2315.7	1839.7	1614.1	1498.4
20°	9363.9	8397.2	6540.0	5072.3	4014.8	3011.5	2066.7	1523.3	1234.8	1108.8	1054.6
22.5°	10283.8	8991.9	6598.6	4726.6	3380.6	2151.7	1426.6	1119.0	971.1	903.7	873.0
25°	11467.3	9826.8	6764.1	4413.2	2784.4	1605.3	1111.7	937.4	833.4	780.7	758.7
27.5°	12728.4	10787.6	7021.9	4140.8	2299.6	1280.2	952.1	802.7	728.0	691.3	670.8
30°	13768.3	11900.8	7282.6	3837.6	1948.1	1116.1	871.5	732.4	645.9	622.5	603.5
32.5°	14677.9	12743.0	7467.1	3563.7	1718.1	991.6	788.0	654.7	596.1	550.7	530.2
35°	15619.8	13444.6	7461.3	3371.8	1559.9	897.9	717.7	585.9	515.6	462.9	446.7
37.5°	16639.2	14237.1	7333.8	3207.7	1491.1	823.2	678.2	549.3	479.0	426.2	405.7
40°	17832.9	15069.0	7203.5	3053.9	1472.0	763.1	650.3	520.0	445.3	394.0	373.5
42.5°	18995.9	15819.0	7089.2	2939.7	1390.0	761.7	625.4	498.0	418.9	369.1	345.7
45°	19926.0	16517.6	7067.3	2870.8	1303.6	788.0	612.3	483.4	398.4	348.6	326.6
47.5°	20699.4	17276.3	7207.9	2822.5	1221.6	719.2	644.5	473.1	379.4	331.0	306.1
50°	21619.2	18207.9	7538.9	2743.4	1135.2	647.4	738.2	476.0	363.3	313.4	287.1
52.5°	22902.3	19496.9	8025.2	2610.1	1016.5	581.5	726.5	479.0	345.7	294.4	268.0
55°	24340.7	21106.6	8548.1	2389.0	851.0	495.1	622.5	458.5	312.0	273.9	249.0
57.5°	25852.3	22566.9	8858.6	2125.3	676.7	427.7	498.0	417.4	275.4	246.1	230.0
60°	26089.6	23122.0	8716.5	1801.6	537.6	372.0	369.1	424.8	246.1	216.8	205.1
62.5°	25499.3	22424.8	8029.6	1513.1	449.7	326.6	303.2	370.6	222.6	193.3	181.6
65°	24364.1	20539.7	6916.4	1363.7	417.4	279.8	251.9	260.7	194.8	168.4	158.2
67.5°	22785.1	18023.4	5678.7	1278.7	413.1	240.2	215.3	197.7	168.4	146.5	137.7
70°	19556.9	15014.8	4530.4	1231.8	401.3	202.1	181.6	161.1	140.6	124.5	117.2
72.5°	14393.8	10639.7	3524.1	1180.6	404.3	161.1	158.2	133.3	112.8	96.7	93.7
75°	8316.7	6078.6	2311.3	956.5	385.2	124.5	131.8	93.7	79.1	67.4	67.4
77.5°	4432.2	3707.2	880.3	398.4	140.6	79.1	74.7	55.7	49.8	41.0	39.5
80°	1932.0	1631.7	265.1	111.3	77.6	42.5	27.8	24.9	22.0	17.6	16.1
82.5°	684.0	590.3	86.4	54.2	33.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	155.3	111.3	0.0	13.2	0.0	0.0	0.0	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°	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1
2.5°	8798.6	8766.3	8575.9	8583.2	8616.9	8665.3	8551.0	8603.8	8745.8	8882.0	8933.3
5°	6803.6	6810.9	6695.2	6767.0	6831.4	6875.4	6690.8	6693.8	6806.5	6960.3	7040.9
7.5°	4794.0	4782.3	4788.2	4959.5	5081.1	4993.2	5062.1	4823.3	4838.0	4947.8	4865.8
10°	3563.7	3402.5	3311.7	3440.6	3573.9	3525.6	3406.9	3329.3	3383.5	3505.1	3496.3
12.5°	2800.5	2569.1	2432.9	2340.6	2450.5	2359.7	2356.7	2289.4	2216.1	2229.3	2424.1
15°	2106.3	1937.8	1776.7	1628.8	1625.8	1595.1	1438.4	1262.6	1247.9	1256.7	1357.8
17.5°	1448.6	1391.5	1325.6	1198.1	1164.5	1035.6	883.2	812.9	777.8	793.9	827.6
20°	1018.0	996.0	1003.3	934.5	886.2	763.1	673.8	645.9	640.1	656.2	672.3
22.5°	843.7	804.1	799.7	769.0	720.6	631.3	583.0	566.8	559.5	574.2	585.9
25°	738.2	698.7	682.6	663.5	612.3	550.7	521.4	506.8	499.5	508.3	515.6
27.5°	650.3	613.7	599.1	585.9	536.1	492.1	468.7	455.5	449.7	452.6	459.9
30°	584.4	552.2	533.2	517.0	474.6	443.8	423.3	410.1	404.3	404.3	411.6
32.5°	515.6	498.0	480.4	459.9	420.4	399.9	379.4	364.7	358.9	360.3	366.2
35°	429.2	423.3	427.7	408.7	375.0	357.4	336.9	320.8	316.4	317.8	323.7
37.5°	380.8	354.5	370.6	360.3	341.3	317.8	291.5	276.8	269.5	273.9	276.8
40°	350.1	317.8	306.1	316.4	313.4	275.4	251.9	237.3	231.4	232.9	235.8
42.5°	323.7	285.6	259.3	257.8	275.4	240.2	215.3	202.1	194.8	194.8	197.7
45°	298.8	257.8	225.6	200.7	231.4	203.6	180.2	168.4	159.7	159.7	161.1
47.5°	279.8	234.4	196.3	164.0	174.3	167.0	147.9	136.2	127.4	127.4	128.9
50°	262.2	210.9	169.9	137.7	130.4	137.7	120.1	106.9	101.1	99.6	102.5
52.5°	243.1	187.5	145.0	117.2	102.5	104.0	93.7	85.0	77.6	77.6	80.6
55°	224.1	168.4	126.0	99.6	85.0	77.6	74.7	68.8	63.0	63.0	65.9
57.5°	205.1	147.9	106.9	82.0	67.4	61.5	61.5	57.1	52.7	52.7	55.7
60°	187.5	127.4	87.9	67.4	52.7	51.3	52.7	48.3	45.4	45.4	48.3
62.5°	167.0	108.4	71.8	55.7	42.5	41.0	45.4	42.5	39.5	39.5	42.5
65°	142.1	92.3	57.1	42.5	32.2	32.2	38.1	35.2	32.2	32.2	35.2
67.5°	120.1	77.6	43.9	30.8	23.4	24.9	32.2	29.3	27.8	27.8	30.8
70°	99.6	60.1	30.8	19.0	13.2	19.0	24.9	24.9	24.9	24.9	27.8
72.5°	74.7	41.0	17.6	7.3	5.9	13.2	20.5	23.4	22.0	22.0	26.4
75°	48.3	23.4	5.9	0.0	0.0	7.3	16.1	19.0	19.0	17.6	22.0
77.5°	27.8	7.3	0.0	0.0	0.0	0.0	10.3	8.8	7.3	5.9	10.3
80°	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P324122
 CATALOG NUMBER: GAN-SA8B-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1	10373.1
2.5°	9139.8	9312.7	9555.8	9813.6	10210.5	10525.5	10834.5	11099.6	11202.2	11244.6
5°	7234.2	7487.6	7843.6	8300.6	9016.8	9661.3	10314.5	10972.2	11257.8	11329.6
7.5°	5191.0	5514.7	5967.3	6540.0	7379.2	8214.1	9126.7	10091.9	10534.3	10645.6
10°	3842.0	4237.4	4755.9	5359.4	6160.6	7018.9	8013.5	9116.4	9621.7	9769.7
12.5°	2725.8	3260.5	3954.7	4688.6	5382.8	6148.9	7155.1	8370.9	8901.1	9060.7
15°	1600.9	2118.0	2939.7	3922.5	4811.6	5587.9	6610.3	7988.6	8573.0	8734.1
17.5°	918.4	1176.2	1797.2	2892.8	4099.7	5174.8	6438.9	8083.8	8772.2	8921.6
20°	701.6	783.6	1035.6	1863.1	3267.8	4769.1	6438.9	8622.8	9470.9	9690.6
22.5°	613.7	673.8	776.3	1111.7	2405.1	4334.1	6513.6	9402.0	10510.8	10754.0
25°	544.9	599.1	687.0	836.4	1640.5	3817.1	6690.8	10358.5	11735.3	12050.2
27.5°	487.8	539.0	618.1	732.4	1122.0	3193.1	6929.6	11480.5	13085.8	13337.7
30°	436.5	484.8	556.6	637.2	865.6	2485.6	7133.2	12538.0	14146.2	14417.2
32.5°	388.2	432.1	496.5	556.6	708.9	1838.2	7155.1	13375.8	15026.5	15296.0
35°	342.7	382.3	440.9	487.8	587.4	1451.5	6813.9	14102.3	15906.8	16262.8
37.5°	298.8	336.9	388.2	423.3	517.0	1183.5	6292.4	14912.3	17036.1	17365.7
40°	257.8	291.5	344.2	367.6	489.2	909.6	5725.6	15761.8	18143.5	18445.2
42.5°	219.7	251.9	303.2	348.6	429.2	679.6	5113.3	16558.6	19139.5	19455.8
45°	183.1	216.8	268.0	369.1	355.9	508.3	4458.6	17087.4	19926.0	20270.2
47.5°	147.9	186.0	256.3	351.5	284.2	373.5	3940.1	17588.3	20522.2	20862.0
50°	118.6	156.7	288.5	313.4	232.9	285.6	3723.3	18036.5	20913.2	21239.9
52.5°	96.7	131.8	272.4	240.2	194.8	235.8	3840.5	18763.0	21275.0	21480.1
55°	80.6	104.0	164.0	167.0	165.5	200.7	3985.5	19805.9	22211.0	22307.7
57.5°	70.3	83.5	114.2	128.9	139.1	178.7	3988.4	21302.9	23659.6	23719.6
60°	60.1	73.2	95.2	104.0	120.1	159.7	3843.4	21825.8	24229.4	24428.6
62.5°	52.7	64.4	79.1	86.4	101.1	143.5	3503.6	21068.5	23447.2	23785.6
65°	46.9	58.6	65.9	73.2	89.3	128.9	2944.1	19554.0	22149.5	22502.5
67.5°	41.0	51.3	58.6	65.9	80.6	114.2	2167.8	17794.9	20659.8	20952.8
70°	36.6	45.4	52.7	58.6	70.3	96.7	1315.3	15099.8	18600.5	18722.0
72.5°	35.2	41.0	48.3	52.7	61.5	85.0	666.4	11096.7	14869.8	15067.6
75°	30.8	36.6	43.9	46.9	54.2	73.2	271.0	7288.4	10775.9	11093.8
77.5°	24.9	33.7	39.5	42.5	46.9	60.1	137.7	4657.8	7562.3	7767.4
80°	8.8	24.9	33.7	35.2	39.5	43.9	90.8	2550.1	4386.8	4474.7
82.5°	0.0	16.1	26.4	24.9	27.8	33.7	58.6	1212.8	2895.7	2928.0
85°	0.0	7.3	20.5	16.1	11.7	23.4	20.5	265.1	1518.9	1581.9
87.5°	0.0	0.0	1.5	7.3	5.9	8.8	2.9	1.5	137.7	174.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)