

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: P324447

Luminaire Tested: **GAN-SA3C-730-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324447
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-730-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14578 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

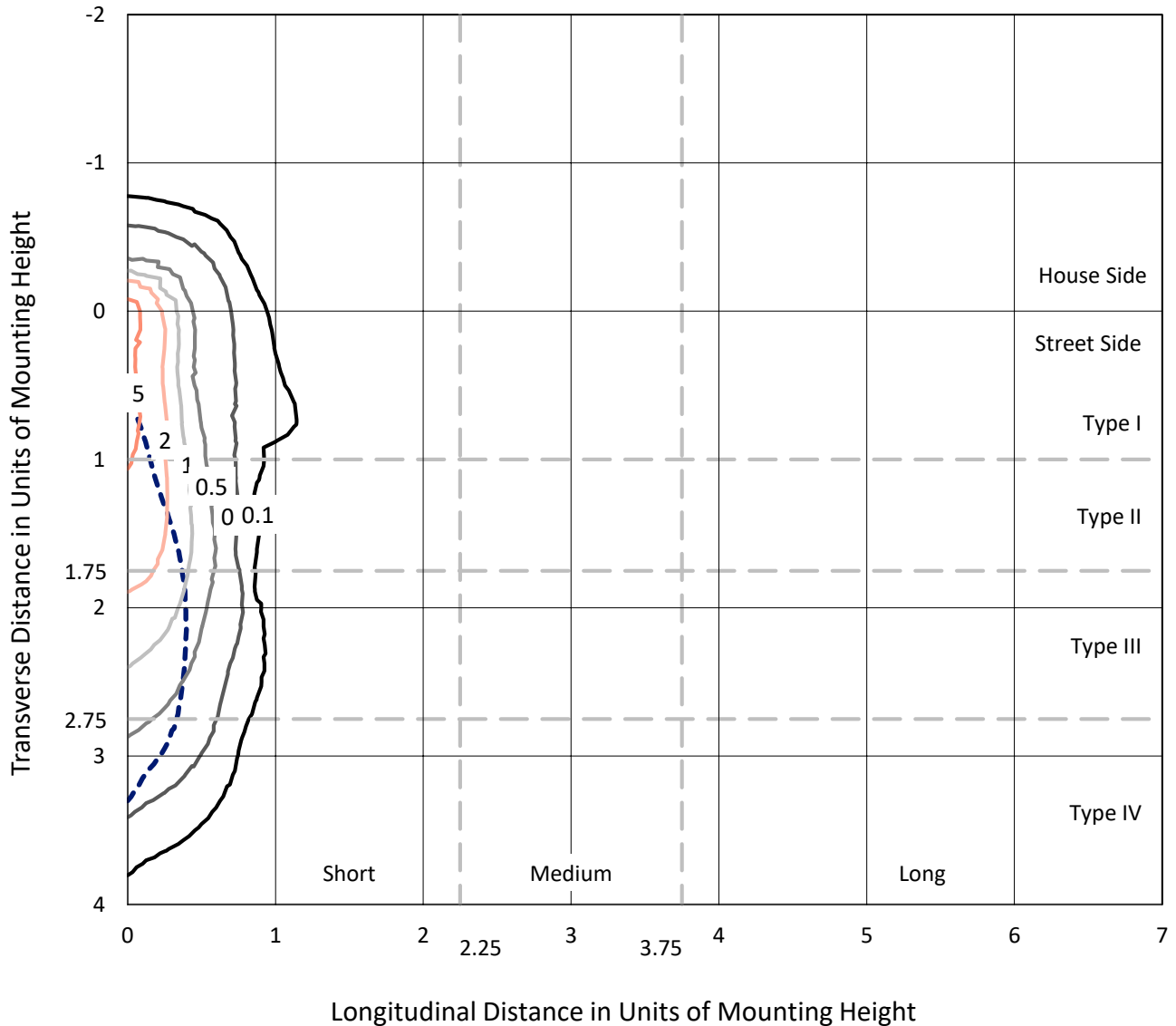
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

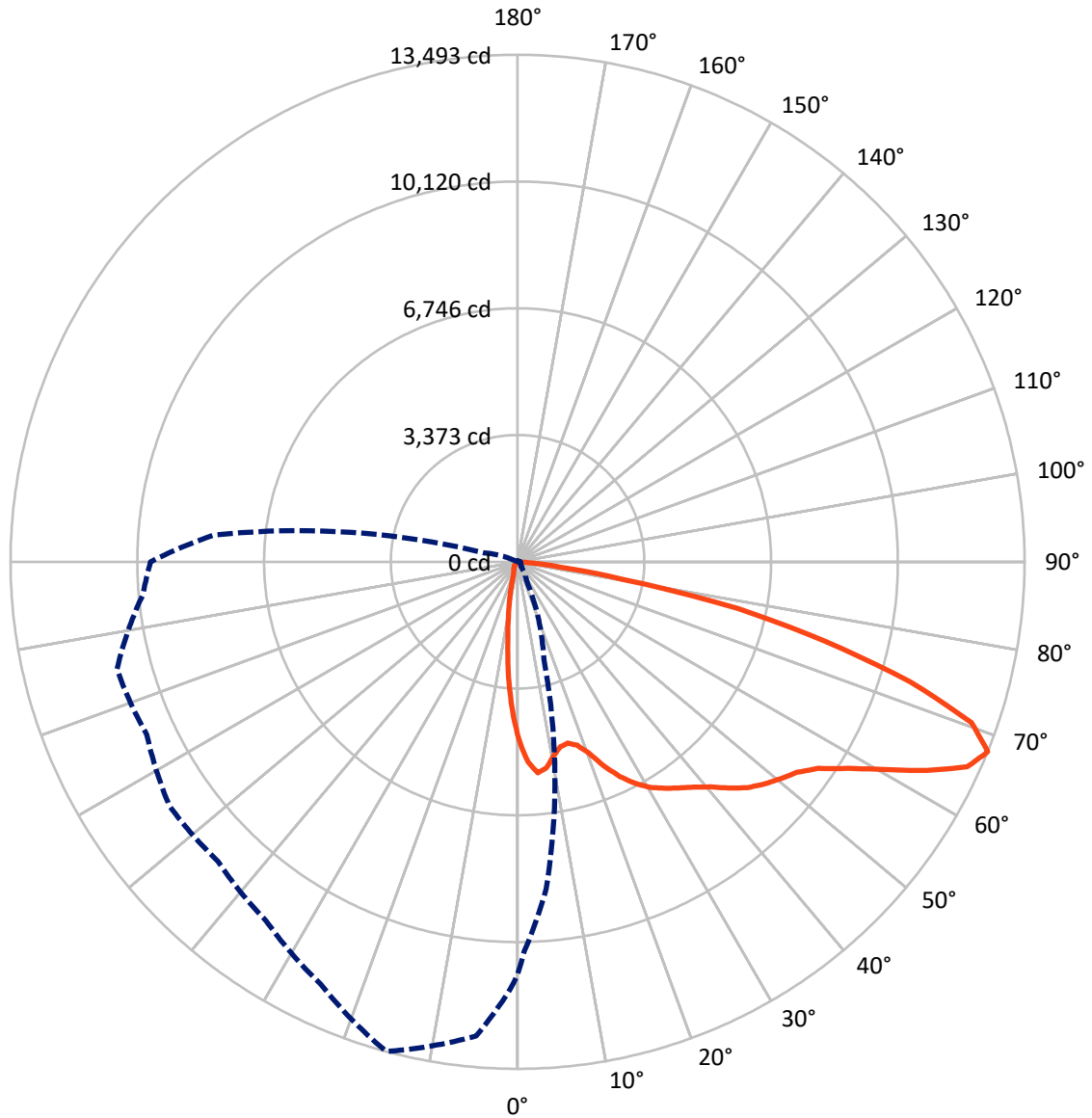
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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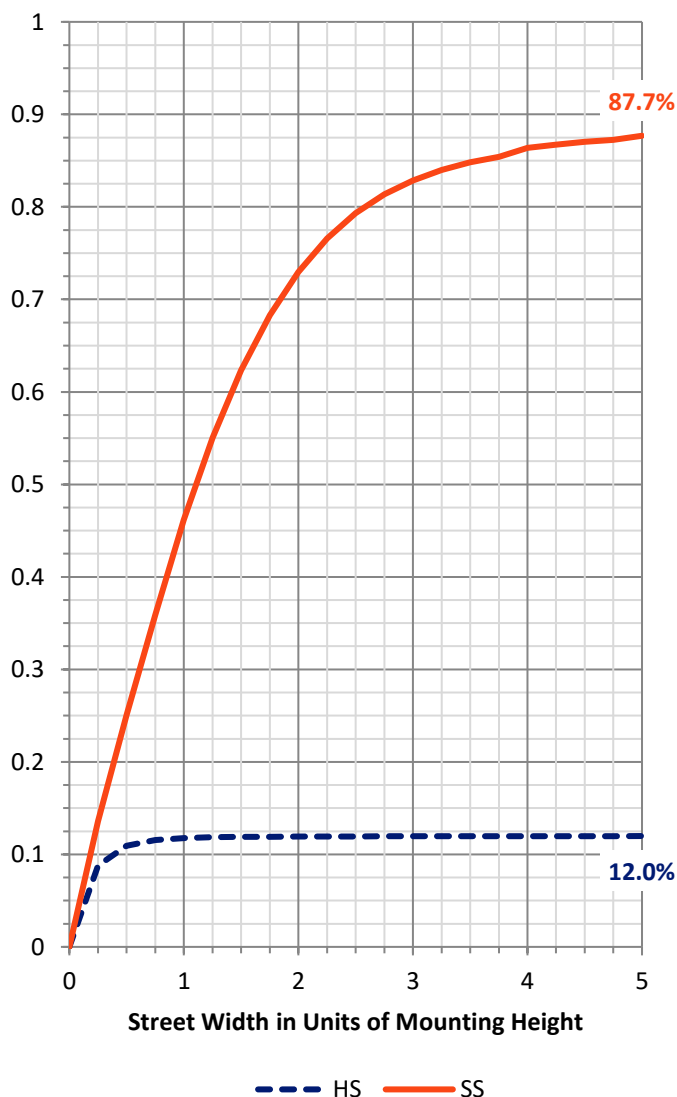
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1764.4	0.0	1764.4
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	12813.6	0.0	12813.6
	% Fixture	87.9	0.0	87.9
Total	Lumens	14578.0	0.0	14578.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.5	2.5
10°-20°	725.5	5.0
20°-30°	1030.1	7.1
30°-40°	1521.6	10.4
40°-50°	2194.5	15.1
50°-60°	3080.6	21.1
60°-70°	3591.1	24.6
70°-80°	1835.8	12.6
80°-90°	234.5	1.6
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°	14578.0	100.0
0°-180°	14578.0	100.0

Coefficient of Utilization

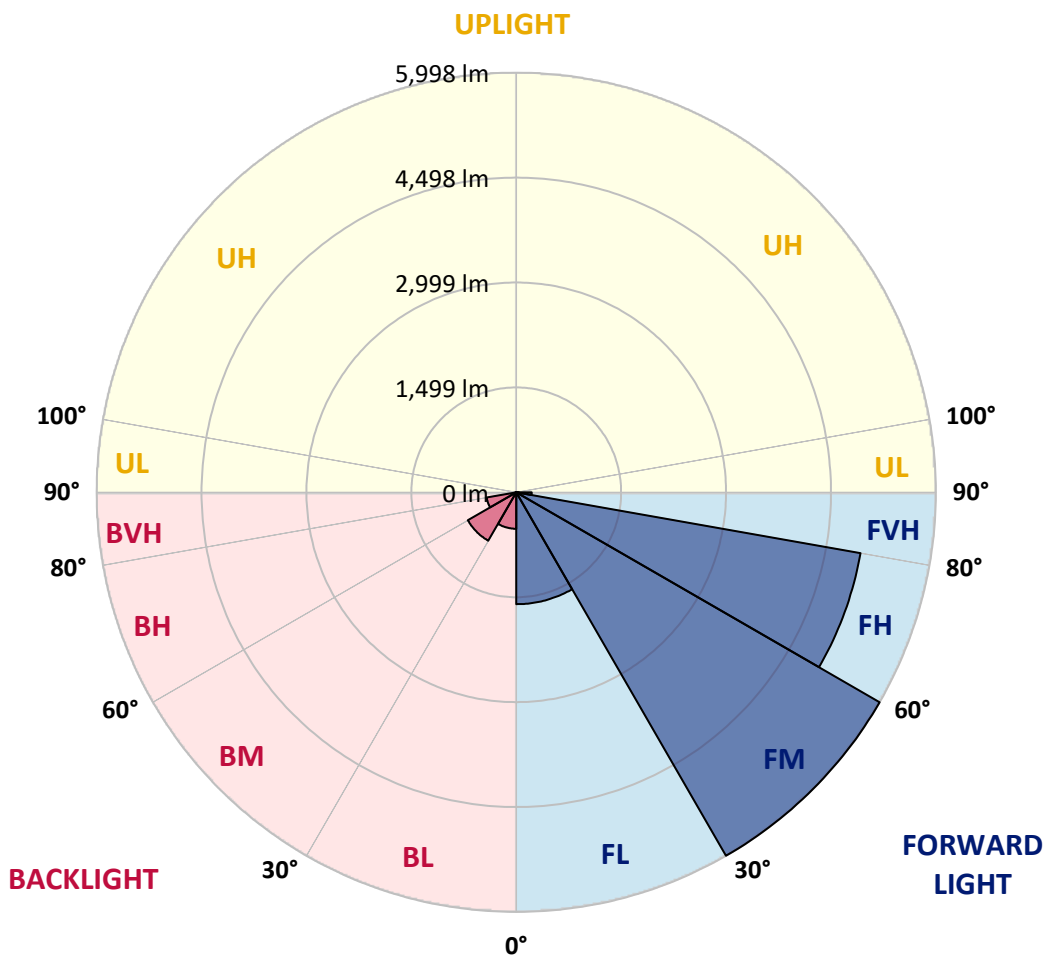


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1598.9	11.0			
FM (30°-60°)	5997.6	41.1			
FH (60°-80°)	4996.8	34.3			G2/5000
FVH (80°-90°)	220.2	1.5			G2/225
BL (0°-30°)	521.1	3.6	B2/1000		
BM (30°-60°)	799.0	5.5	B1/1000		
BH (60°-80°)	430.0	2.9	B1/500		G1/500
BVH (80°-90°)	14.2	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-G2
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8
2.5°	5199.7	5159.7	5115.5	4971.1	4837.2	4683.8	4558.8	4471.8	4362.7	4221.1	4185.2
5°	5162.4	5119.6	4980.8	4659.7	4378.6	4105.1	3841.3	3686.6	3494.6	3299.8	3251.5
7.5°	4787.4	4742.5	4542.3	4102.3	3723.9	3328.8	2986.3	2774.3	2557.4	2379.2	2284.6
10°	4397.2	4348.2	4123.0	3589.2	3123.0	2766.0	2514.6	2312.2	2107.1	1916.5	1764.6
12.5°	4128.6	4064.3	3819.9	3214.9	2808.8	2566.4	2331.6	2089.1	1811.5	1607.1	1440.0
15°	4016.0	3942.8	3684.5	3070.5	2697.6	2413.1	2107.1	1809.4	1484.2	1250.0	1096.7
17.5°	4103.0	4007.7	3730.8	3060.9	2558.1	2170.6	1783.9	1434.4	1081.5	844.6	735.5
20°	4398.6	4273.6	3922.1	3058.1	2388.9	1882.7	1392.3	997.3	712.7	573.2	515.9
22.5°	4864.1	4699.0	4196.9	3080.2	2214.2	1580.2	1005.6	677.5	535.2	462.7	428.9
25°	5426.3	5235.0	4592.7	3158.2	2060.8	1285.9	730.7	535.2	451.7	398.5	370.2
27.5°	5960.8	5805.4	5092.7	3270.8	1942.0	1048.4	593.2	453.7	386.1	350.8	328.0
30°	6494.7	6299.2	5605.8	3404.8	1799.1	887.5	521.4	413.7	346.0	308.7	294.2
32.5°	6882.8	6720.5	6007.8	3501.5	1646.5	782.5	466.2	378.5	323.2	285.2	263.8
35°	7339.3	7155.6	6352.4	3522.9	1548.4	716.2	419.2	340.5	280.4	246.6	223.8
37.5°	7832.4	7603.8	6750.2	3475.9	1471.7	683.7	384.0	323.2	261.7	227.2	203.0
40°	8378.0	8119.7	7132.1	3408.2	1396.4	672.7	357.1	310.1	247.2	212.0	187.2
42.5°	8952.6	8648.0	7462.9	3337.1	1348.8	634.7	354.3	297.0	236.2	198.2	173.3
45°	9435.4	9126.6	7802.7	3313.6	1315.0	593.2	366.0	288.0	228.6	187.2	163.0
47.5°	9820.0	9527.9	8150.8	3366.1	1295.6	555.3	333.6	299.7	224.5	177.5	154.0
50°	10279.3	9948.5	8641.1	3522.9	1267.3	517.3	301.8	343.2	224.5	171.3	146.4
52.5°	10855.3	10527.9	9188.1	3766.0	1210.7	464.8	271.4	343.9	226.5	163.0	136.7
55°	11579.8	11342.2	9969.2	4032.6	1120.2	387.4	234.8	295.6	218.2	147.8	127.8
57.5°	12274.5	12080.5	10681.2	4214.9	999.3	302.5	204.4	238.3	199.6	129.8	114.0
59°	12464.4	12252.4	10942.3	4223.2	908.9	263.8	189.2	196.8	195.4	121.6	105.7
60°	12464.4	12239.3	11017.6	4179.0	843.3	242.4	179.6	175.4	203.7	116.0	100.8
62.5°	12238.6	11922.3	10773.1	3879.9	687.9	206.5	156.8	145.0	183.0	104.3	89.1
65°	11769.0	11308.3	9940.2	3339.2	613.3	189.2	135.4	118.8	127.1	91.9	78.0
67.5°	10985.8	10361.5	8739.2	2697.6	583.6	184.4	116.7	100.8	96.0	78.7	68.4
70°	9606.6	8913.9	7281.3	2120.9	558.0	182.3	98.1	84.9	77.4	66.3	58.0
72.5°	6991.9	6269.5	5169.3	1658.2	542.8	186.5	78.7	71.1	63.5	51.8	44.9
75°	3999.4	3526.3	2905.5	1095.3	462.7	178.2	60.8	59.4	45.6	37.3	31.1
77.5°	2066.4	2003.5	1741.1	420.6	221.7	78.0	40.1	34.5	26.9	22.8	18.6
80°	891.6	881.9	763.1	121.6	58.7	43.5	22.8	14.5	12.4	9.7	7.6
82.5°	308.0	308.0	271.4	40.7	26.2	21.4	2.8	0.0	0.0	0.0	0.0
85°	62.2	69.8	49.0	0.0	9.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8
2.5°	4141.7	4058.1	4052.6	4000.1	3934.5	3904.8	3887.5	3917.9	3955.2	3959.4	4015.3
5°	3214.9	3127.2	3163.8	3070.5	3089.2	3070.5	3040.1	3045.7	3062.2	3010.4	3074.7
7.5°	2257.7	2191.4	2233.5	2208.6	2241.8	2254.9	2236.3	2208.6	2127.1	2117.5	2173.4
10°	1701.7	1626.4	1581.5	1534.6	1544.9	1566.3	1559.4	1539.4	1487.6	1490.4	1544.2
12.5°	1367.4	1283.2	1194.1	1078.8	1050.4	1066.3	1050.4	1038.7	989.0	993.1	1040.8
15°	1037.3	968.3	875.0	782.5	732.1	736.9	692.7	661.6	630.5	593.2	622.3
17.5°	700.3	658.2	630.5	602.9	542.8	529.0	473.1	413.0	389.5	372.2	384.7
20°	495.9	473.1	462.0	460.6	426.1	408.9	354.3	317.0	305.3	301.8	309.4
22.5°	414.4	397.8	381.9	372.9	355.7	335.6	294.2	275.6	267.3	263.1	268.7
25°	360.5	348.1	331.5	316.3	309.4	288.0	258.3	244.5	239.0	234.8	237.6
27.5°	320.5	309.4	290.1	280.4	274.9	256.2	230.7	219.6	214.8	213.4	212.7
30°	288.7	278.3	260.4	249.3	239.6	223.1	207.9	196.8	192.0	190.6	189.2
32.5°	256.9	248.6	236.9	225.8	215.5	200.3	187.2	178.2	170.6	169.2	168.5
35°	216.9	208.6	202.4	201.7	192.0	177.5	167.8	156.1	149.9	147.8	148.5
37.5°	192.7	181.6	167.8	172.7	169.9	159.5	146.4	134.7	128.5	127.1	127.1
40°	177.5	165.8	149.9	141.6	149.9	147.8	127.1	115.3	109.1	108.4	107.0
42.5°	163.0	151.2	133.3	119.5	123.6	129.8	109.8	98.8	92.5	91.2	89.1
45°	152.6	140.2	120.2	104.3	96.0	109.1	93.9	80.1	76.7	73.9	72.5
47.5°	143.0	131.2	108.4	90.5	76.7	78.7	75.3	65.6	61.5	58.7	58.0
50°	134.7	122.2	98.1	77.4	63.5	58.0	60.8	51.8	48.3	45.6	44.2
52.5°	125.0	113.3	87.0	67.0	53.2	45.6	46.3	40.7	37.3	35.2	34.5
55°	117.4	105.7	78.0	58.7	47.0	37.3	33.2	31.8	29.7	28.3	27.6
57.5°	107.0	96.0	69.1	49.7	40.1	30.4	25.6	25.6	24.9	23.5	22.8
59°	100.8	91.2	63.5	44.9	36.6	26.2	22.8	23.5	22.8	21.4	20.7
60°	96.0	87.0	59.4	41.4	34.5	24.2	20.7	22.1	21.4	20.0	19.3
62.5°	84.9	78.7	51.1	34.5	30.4	19.3	17.3	18.6	18.6	18.0	17.3
65°	74.6	67.7	43.5	29.0	28.3	16.6	13.8	16.6	17.3	15.9	14.5
67.5°	64.9	58.0	38.0	23.5	26.2	13.1	10.4	13.8	18.6	14.5	13.1
70°	55.3	48.3	29.7	18.6	27.6	9.0	8.3	12.4	22.1	15.9	12.4
72.5°	42.8	37.3	20.7	13.8	29.7	6.2	6.2	10.4	24.9	17.3	11.7
75°	29.7	24.2	12.4	8.3	24.2	4.1	4.1	9.7	23.5	15.9	11.1
77.5°	17.3	13.1	4.1	0.7	12.4	0.0	0.7	6.9	16.6	9.7	4.8
80°	6.2	2.8	0.0	0.0	7.6	0.0	0.0	0.0	1.4	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8
2.5°	4029.8	4123.0	4206.6	4333.0	4482.9	4655.5	4804.0	4963.5	5113.4	5175.6	5218.4
5°	3087.8	3203.1	3337.8	3523.6	3770.8	4075.4	4360.6	4683.1	5029.8	5203.2	5366.2
7.5°	2183.1	2300.5	2467.6	2665.1	2964.2	3326.8	3699.7	4145.1	4614.8	4889.0	5159.0
10°	1569.8	1714.1	1870.2	2140.3	2444.1	2788.1	3172.1	3669.3	4192.8	4496.7	4822.0
12.5°	1068.4	1232.8	1469.0	1771.5	2128.5	2465.5	2799.1	3273.6	3881.3	4182.4	4531.2
15°	640.9	732.1	982.1	1332.2	1770.1	2190.0	2555.3	3031.2	3679.0	4047.8	4410.3
17.5°	395.0	437.2	573.2	860.5	1320.5	1851.6	2352.3	2949.0	3708.0	4156.9	4545.0
20°	314.9	331.5	375.0	508.3	875.0	1478.6	2123.7	2932.4	3944.9	4497.4	4913.8
22.5°	273.5	289.4	318.4	369.5	550.4	1107.1	1906.8	2947.6	4284.7	5007.7	5493.9
25°	241.0	254.8	282.5	324.6	403.3	779.7	1674.8	3015.3	4727.3	5641.0	6157.6
27.5°	215.5	227.2	252.8	291.4	346.0	544.2	1411.6	3097.5	5252.2	6288.9	6798.5
30°	192.0	202.4	225.1	261.1	300.4	418.5	1123.0	3153.4	5777.8	6798.5	7256.4
32.5°	172.0	179.6	200.3	230.7	261.1	333.6	853.6	3144.4	6168.0	7222.6	7585.9
35°	151.2	158.8	176.8	203.0	227.2	275.6	671.3	2976.6	6507.8	7662.5	7962.9
37.5°	128.5	138.1	155.4	178.9	195.4	242.4	542.8	2774.3	6852.4	8165.3	8383.5
40°	109.1	118.8	134.0	159.5	169.9	230.0	417.1	2527.7	7239.9	8727.5	8844.9
42.5°	90.5	99.5	115.3	137.4	160.2	198.2	308.7	2245.9	7612.1	9208.1	9265.5
45°	73.2	82.2	98.8	120.9	171.3	164.4	239.0	1944.1	7912.5	9608.0	9626.7
47.5°	58.0	66.3	83.6	114.0	159.5	131.2	170.6	1707.2	8164.6	9920.2	9871.1
50°	44.9	51.8	69.8	130.5	139.5	108.4	129.1	1628.5	8390.4	10113.6	9986.5
52.5°	35.2	41.4	57.3	122.2	108.4	89.8	108.4	1702.4	8699.8	10273.8	10051.4
55°	28.3	34.5	44.9	69.8	73.9	76.0	92.5	1771.5	9233.7	10649.5	10434.7
57.5°	23.5	29.7	36.6	49.0	55.9	64.2	82.2	1779.1	9862.9	11273.8	11070.8
59°	21.4	26.9	33.2	43.5	49.0	58.7	77.4	1737.6	10084.5	11501.0	11399.5
60°	20.0	25.6	31.1	40.1	45.6	55.3	74.6	1698.3	10094.2	11492.7	11539.7
62.5°	17.3	22.8	27.6	33.8	38.7	47.0	67.0	1552.5	9685.4	11116.3	11455.4
65°	15.2	20.0	24.9	29.0	33.2	42.1	60.8	1286.6	8987.1	10509.3	10878.8
67.5°	13.8	17.3	22.8	25.6	29.7	37.3	53.9	917.2	8114.9	9766.9	10006.5
70°	12.4	16.6	20.7	23.5	26.9	32.5	46.3	526.9	6852.4	8679.8	8850.4
72.5°	11.7	15.9	18.6	22.1	24.2	29.0	42.1	247.9	5017.4	6953.2	7398.7
75°	10.4	14.5	17.3	20.7	22.8	26.2	35.9	118.8	3337.1	5031.9	5538.1
77.5°	6.2	11.7	15.9	18.6	20.0	22.8	29.7	68.4	2129.9	3482.8	4102.3
80°	0.0	4.1	11.7	15.9	17.3	19.3	22.8	53.9	1139.5	1989.7	2388.2
82.5°	0.0	0.0	8.3	12.4	11.7	13.1	17.3	33.8	513.8	1300.5	1465.5
85°	0.0	0.0	2.8	9.7	8.3	6.2	11.7	11.7	112.6	658.2	821.2
87.5°	0.0	0.0	0.0	0.7	4.1	2.8	4.8	1.4	0.7	49.0	198.9
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: P324447
 CATALOG NUMBER: GAN-SA3C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8	4748.8
2.5°	5368.2	5419.4	5505.7	5546.4	5526.4	5441.5	5339.9	5236.3	5175.6	5199.7
5°	5698.4	5961.5	6113.4	6163.9	6079.6	5889.0	5639.7	5310.9	5194.2	5162.4
7.5°	5698.4	6193.5	6507.1	6562.3	6374.5	6000.9	5533.3	5020.2	4849.6	4787.4
10°	5498.1	6172.1	6609.3	6697.0	6434.6	5875.9	5249.5	4663.8	4461.5	4397.2
12.5°	5272.3	5998.1	6458.8	6579.6	6364.1	5751.5	5052.6	4422.8	4184.5	4128.6
15°	5133.4	5784.0	6165.2	6252.9	6161.8	5679.0	5005.7	4350.3	4069.9	4016.0
17.5°	5183.2	5618.3	5755.7	5806.8	5868.3	5653.5	5133.4	4509.1	4154.1	4103.0
20°	5370.3	5443.5	5372.4	5436.6	5602.4	5678.3	5438.0	4893.1	4467.0	4398.6
22.5°	5688.0	5353.1	5153.5	5179.0	5380.7	5760.5	5903.5	5441.5	4949.7	4864.1
25°	6058.2	5426.3	5031.9	5009.1	5216.3	5869.0	6328.9	6038.2	5520.9	5426.3
27.5°	6523.7	5590.6	5007.1	4984.3	5159.0	5970.5	6682.5	6628.0	6122.4	5960.8
30°	6882.8	5752.2	5080.9	5028.5	5216.3	6040.9	6966.4	7128.7	6601.7	6494.7
32.5°	7140.4	5942.9	5201.1	5125.1	5377.9	6162.5	7185.3	7587.2	7045.1	6882.8
35°	7336.5	6150.0	5395.2	5270.2	5600.3	6346.9	7390.4	8075.5	7516.8	7339.3
37.5°	7520.2	6440.8	5698.4	5549.2	5949.1	6643.8	7607.3	8629.4	8044.4	7832.4
40°	7776.5	6770.2	6165.9	6033.3	6535.4	7048.5	7878.0	9206.8	8644.6	8378.0
42.5°	8032.7	7123.8	6644.5	6680.4	7266.8	7540.3	8227.4	9817.3	9237.1	8952.6
45°	8266.8	7488.5	7326.2	7491.9	7945.7	8079.7	8574.8	10170.2	9710.2	9435.4
47.5°	8475.4	7944.3	8003.7	8445.0	8717.8	8567.9	8834.5	10474.8	10062.4	9820.0
50°	8717.8	8534.1	8896.7	9521.0	9606.6	9009.9	9070.7	10835.3	10474.1	10279.3
52.5°	8983.0	9155.7	9885.6	10436.1	10408.5	9489.9	9308.3	11239.3	11038.3	10855.3
55°	9284.1	9657.7	10756.5	11292.5	11269.0	10025.8	9701.9	11738.6	11745.5	11579.8
57.5°	9730.9	10090.1	11347.7	11985.2	12024.5	10644.6	10369.1	12298.0	12385.0	12274.5
59°	10051.4	10370.5	11581.8	12274.5	12434.8	11123.3	10856.7	12622.6	12565.3	12464.4
60°	10289.0	10548.6	11697.9	12425.8	12673.0	11447.8	11216.5	12813.2	12586.7	12464.4
62.5°	10876.7	10936.8	11907.1	12597.1	12947.2	12168.9	12228.9	13137.8	12438.2	12238.6
65°	11150.9	11182.0	11904.4	12290.4	12682.0	12730.3	13147.5	13147.5	12075.6	11769.0
67.5°	11036.2	10886.4	11313.9	11273.8	11664.7	12396.8	13492.8	12665.4	11382.2	10985.8
70°	10103.9	9527.2	9337.3	9354.6	9653.6	10782.8	12809.1	11246.9	10070.0	9606.6
72.5°	8407.0	7023.7	6554.7	7090.0	7168.0	8286.8	10916.1	8469.9	7426.3	6991.9
75°	6761.9	4951.1	4188.7	4753.6	4886.2	6064.4	8444.3	5275.0	4337.8	3999.4
77.5°	4857.9	3554.0	3005.6	2966.2	3137.5	3846.1	5991.9	2654.8	2214.2	2066.4
80°	2759.7	2339.2	2518.7	2376.5	2462.8	2404.8	2846.8	1164.4	953.8	891.6
82.5°	1665.8	1382.6	1497.3	1246.6	1577.4	1373.7	1096.7	372.9	323.9	308.0
85°	1083.6	755.5	393.7	263.8	543.5	877.8	245.2	101.5	78.0	62.2
87.5°	373.6	192.7	19.3	8.3	58.0	163.7	9.0	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

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