

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: P324264

Luminaire Tested: **GAN-SA0D-760-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324264
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-SA0D-760-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5700K, 1200mA 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: 56934 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 640
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

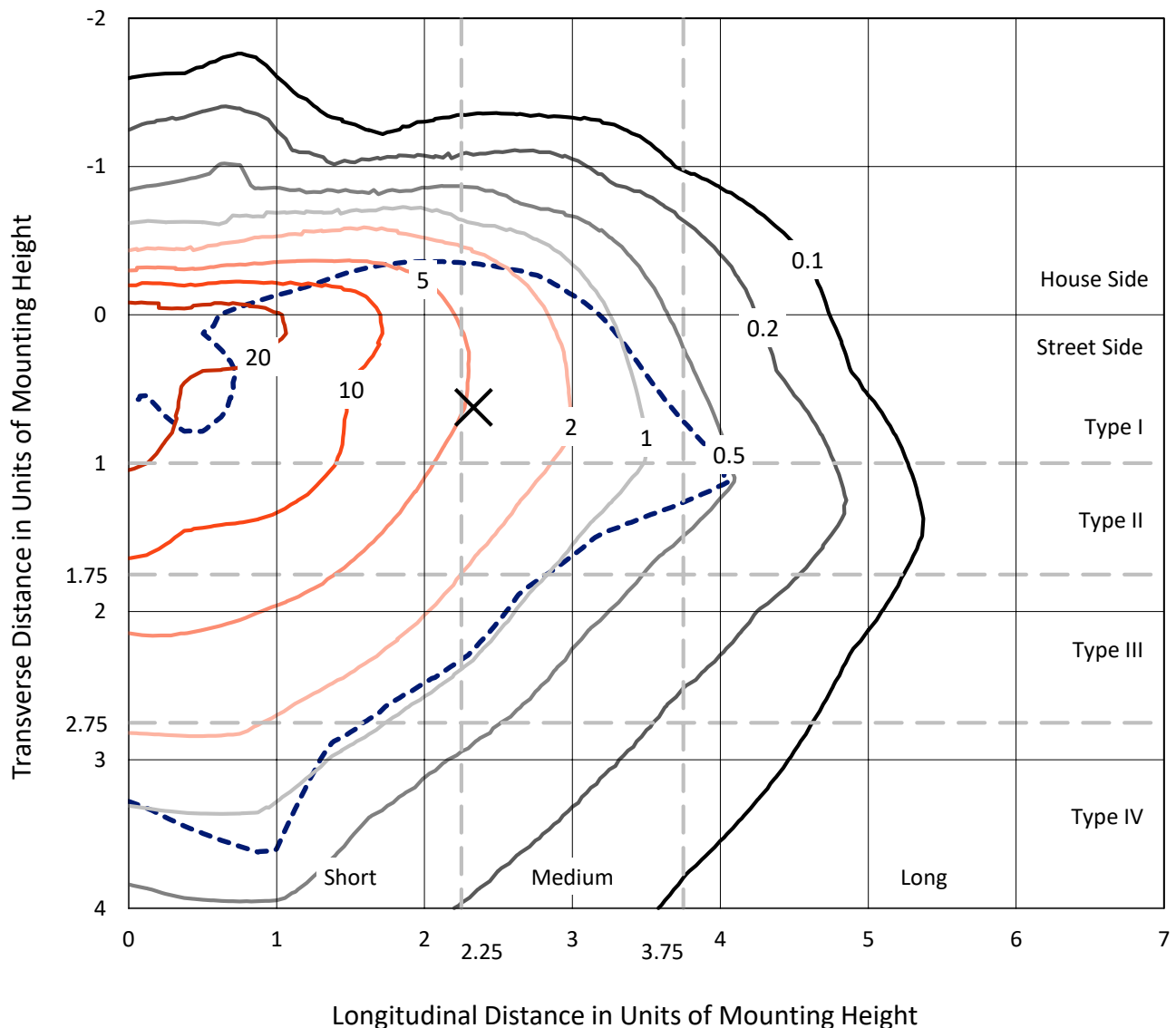


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Iso-Footcandle Lines of Horizontal Illumination

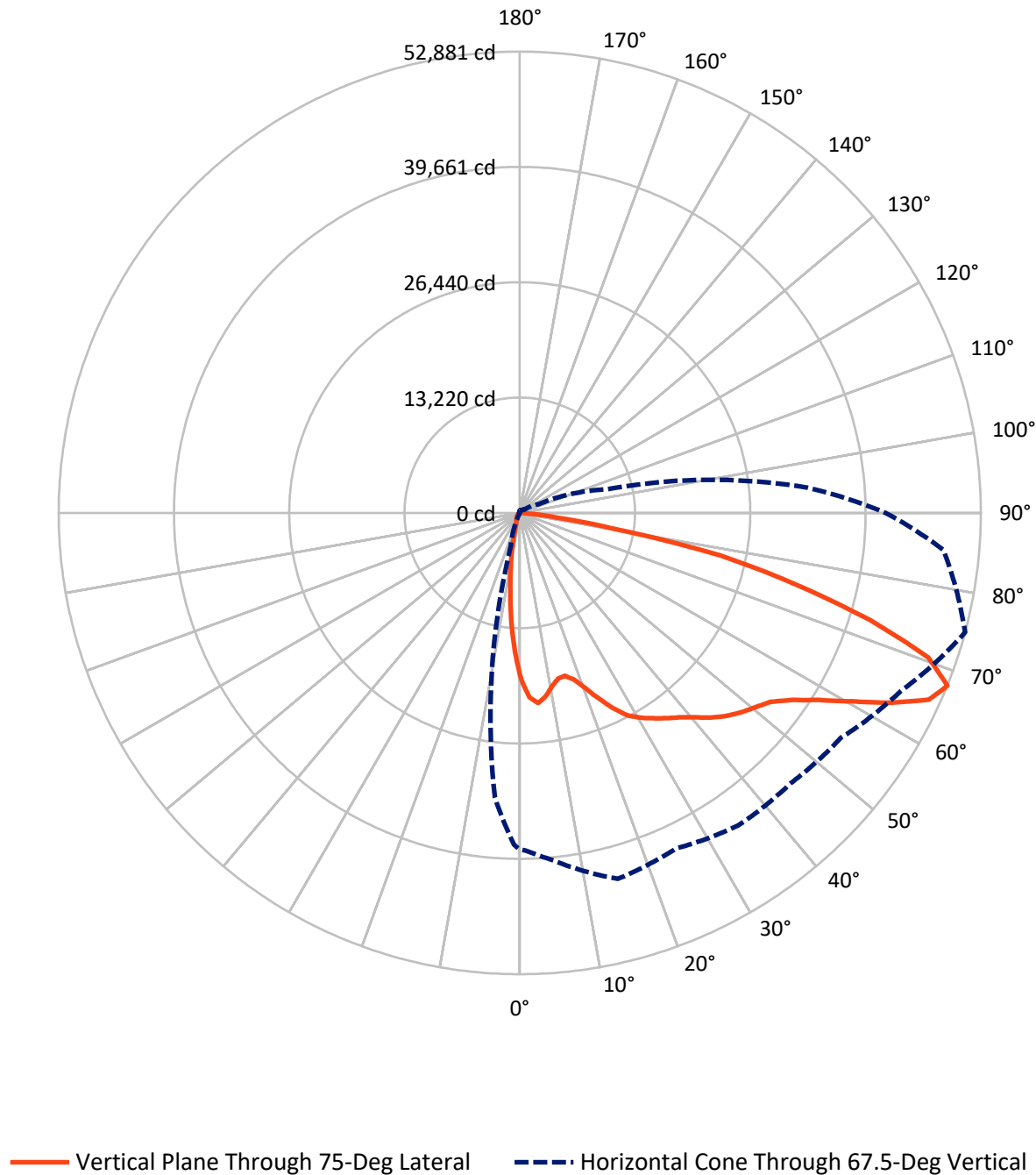
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 39.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8543.5	0.0	8543.5
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	48390.5	0.0	48390.5
	% Fixture	85.0	0.0	85.0
Total	Lumens	56934.0	0.0	56934.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1448.9	2.5
10°-20°	2852.8	5.0
20°-30°	4035.9	7.1
30°-40°	5933.9	10.4
40°-50°	8529.0	15.0
50°-60°	12006.6	21.1
60°-70°	14022.6	24.6
70°-80°	7153.9	12.6
80°-90°	950.3	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°	56934.0	100.0
0°-180°	56934.0	100.0

Coefficient of Utilization



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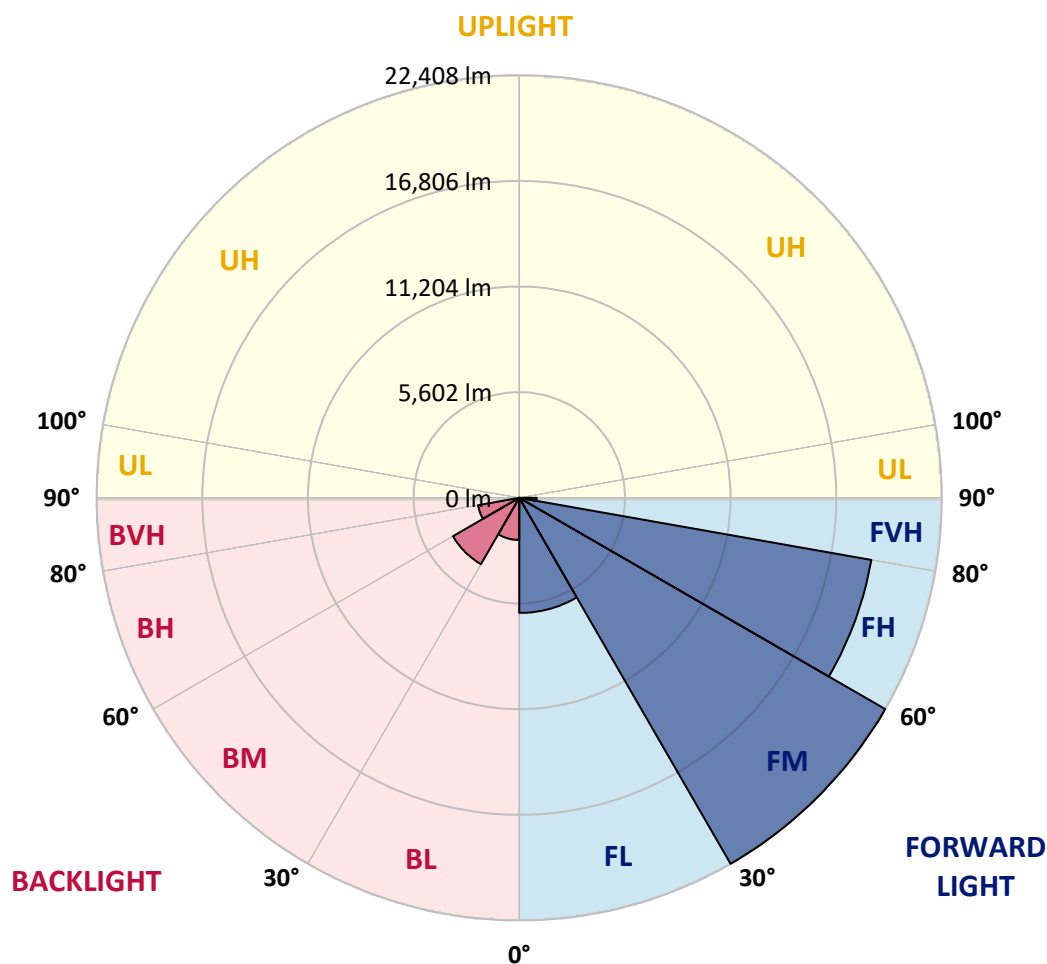
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6103.3	10.7			
FM	(30°-60°)	22408.2	39.4			
FH	(60°-80°)	18957.4	33.3			G5
FVH	(80°-90°)	921.5	1.6			G5
BL	(0°-30°)	2234.2	3.9	B3/2500		
BM	(30°-60°)	4061.3	7.1	B3/5000		
BH	(60°-80°)	2219.1	3.9	B3/2500		G3/2500
BVH	(80°-90°)	28.8	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-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4
2.5°	20705.1	20737.5	20904.7	21293.1	21716.5	21748.9	22034.8	21740.8	21641.0	21166.3	20675.5
5°	20861.5	20985.6	21560.1	22700.9	23690.7	24009.0	24235.5	23658.4	23051.5	21891.8	20653.9
7.5°	19602.0	19809.7	20713.2	22854.7	24623.9	25406.0	25554.4	24650.9	23164.8	21255.3	19394.4
10°	17989.2	18226.5	19316.1	21948.4	24378.5	25718.9	25923.9	24739.9	22603.8	20225.0	18032.4
12.5°	16683.8	16961.6	18075.5	20929.0	23534.3	25017.7	25422.2	24440.5	22118.4	19494.2	17101.9
15°	16082.4	16400.7	17571.2	20270.9	22598.4	23766.2	24100.7	23677.2	21848.7	19378.2	16886.1
17.5°	16427.6	16772.8	17981.1	20327.5	21719.2	22218.2	22487.9	22660.5	21848.7	20076.7	17517.2
20°	17843.6	18215.8	19494.2	20902.0	20991.0	20804.9	21093.5	21700.3	22102.2	21403.6	19033.0
22.5°	19801.6	20238.5	21681.4	21886.4	20635.0	19931.1	19968.8	20920.9	22563.4	23086.6	21136.6
25°	22188.5	22722.5	24189.7	23353.6	20783.3	19410.5	19397.1	20279.0	23013.8	24772.2	23480.4
27.5°	24559.2	25147.1	26436.3	25144.4	21395.6	19316.1	19289.2	20084.8	23453.4	26271.8	26039.8
30°	26546.9	27118.7	28229.8	26441.7	22056.3	19537.3	19407.8	20292.5	23715.0	27245.4	27906.2
32.5°	28165.1	28623.6	29521.7	27334.4	22763.0	19966.1	19685.6	20848.1	24160.0	28068.0	29621.5
35°	29945.2	30427.9	30786.6	28184.0	23555.9	20583.8	20181.9	21730.0	24845.1	28904.1	31501.3
37.5°	31976.0	32456.1	32412.9	28960.7	24561.9	21605.9	21349.7	23127.1	25910.4	29732.1	33599.6
40°	33963.7	34454.6	34104.0	29810.3	25743.2	23291.6	23102.8	25225.3	27337.1	30792.0	36059.3
42.5°	35824.7	36356.0	35606.2	30614.0	27151.0	25416.8	25740.5	27927.8	29122.6	32097.4	38179.2
45°	37324.2	37866.3	36865.7	31396.2	28634.4	27995.2	28968.8	30921.5	31269.4	33200.5	39611.3
47.5°	38413.8	38926.3	37739.6	32178.3	30533.1	31148.0	32844.5	34060.8	33208.6	34157.9	40628.1
50°	39109.7	39508.8	37995.8	33157.3	33025.2	34826.8	36881.9	37475.3	35034.5	35021.0	41863.3
52.5°	39552.0	39732.7	38184.6	34179.5	35625.1	38831.9	40835.8	41021.9	36914.3	35970.3	43527.4
55°	41075.8	41221.4	39522.3	35417.4	37774.6	42340.7	44412.0	44239.4	39042.2	37828.6	45490.8
57.5°	43675.7	43829.5	42286.8	37197.5	39514.2	44509.1	47003.9	47314.0	41537.0	40439.3	47594.5
60°	44981.1	45267.0	44716.8	39452.2	41199.9	45895.4	48770.4	49760.2	44654.8	43880.7	49633.5
62.5°	43797.1	44212.5	45010.8	41952.3	42874.7	46658.7	49320.6	50636.8	47848.1	47891.2	50890.3
65°	41434.5	41766.2	43120.2	43322.4	43845.7	46564.3	47961.3	49412.3	49803.4	51575.4	50822.9
67.5°	38581.0	38705.1	39854.0	43430.3	42437.8	43727.0	43878.0	44951.4	48258.0	52880.7	48781.2
70°	34473.5	34540.9	35544.2	39819.0	36469.3	36752.5	36528.6	36747.1	41488.4	49700.9	43627.2
72.5°	27744.4	27914.3	29341.0	33068.3	26568.5	25751.3	27509.7	27412.6	31951.7	41990.1	32402.1
75°	20427.3	20721.3	22876.2	26635.9	18647.3	16867.2	18151.0	18493.6	22714.4	32480.4	20262.8
77.5°	14302.4	14520.8	16608.3	19580.5	13496.0	12061.1	11597.2	12004.5	14992.8	23496.5	10208.3
80°	8239.4	8320.3	9652.7	11306.0	9094.4	10405.2	9426.1	9706.6	8983.8	10453.7	4390.8
82.5°	5391.4	5404.9	5925.4	6729.1	5663.8	6580.8	4870.8	6227.4	5526.2	4199.3	1429.4
85°	2912.8	2929.0	3436.0	4776.4	3206.8	1812.4	1065.3	2187.3	3417.1	962.8	391.1
87.5°	320.9	294.0	1035.7	1736.9	890.0	164.5	56.6	245.4	547.5	62.0	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°	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4
2.5°	20424.6	20200.8	19642.5	19051.8	18577.2	18132.1	17684.4	17136.9	16713.5	16627.2	16487.0
5°	19987.7	19278.4	18107.9	16932.0	15985.3	14790.5	14032.7	13442.0	12864.8	12829.8	12713.8
7.5°	18461.2	17528.0	15880.1	14253.8	12921.5	11783.3	10634.4	9865.7	9261.6	9048.5	8921.8
10°	16994.0	15944.9	13887.0	12031.5	10842.1	9836.1	9027.0	8223.3	7495.1	6993.4	6766.9
12.5°	15969.1	14809.4	12541.2	10941.9	10089.6	9134.8	8147.7	7144.4	6305.7	5701.5	5332.0
15°	15572.7	14334.7	12090.8	10510.3	9458.5	8250.2	6988.0	5841.8	4911.3	4363.8	4032.1
17.5°	16044.6	14604.4	12055.7	9984.4	8514.5	7012.3	5617.9	4264.0	3387.5	2972.1	2759.1
20°	17242.1	15462.1	12042.2	9339.8	7392.6	5545.1	3805.5	2804.9	2273.6	2041.7	1941.9
22.5°	18935.9	16557.1	12150.1	8703.3	6224.8	3961.9	2626.9	2060.5	1788.1	1664.1	1607.4
25°	21115.1	18094.4	12454.9	8126.2	5127.1	2955.9	2047.0	1726.1	1534.6	1437.5	1397.1
27.5°	23437.2	19863.6	12929.6	7624.5	4234.3	2357.2	1753.1	1478.0	1340.4	1273.0	1235.2
30°	25352.1	21913.4	13409.6	7066.2	3587.1	2055.1	1604.7	1348.5	1189.4	1146.2	1111.2
32.5°	27027.0	23464.2	13749.5	6561.9	3163.6	1825.9	1451.0	1205.6	1097.7	1014.1	976.3
35°	28761.2	24756.1	13738.7	6208.6	2872.3	1653.3	1321.5	1078.8	949.4	852.3	822.6
37.5°	30638.3	26215.2	13504.0	5906.5	2745.6	1515.7	1248.7	1011.4	881.9	784.8	747.1
40°	32836.4	27747.1	13264.0	5623.3	2710.5	1405.2	1197.5	957.4	819.9	725.5	687.7
42.5°	34977.8	29127.9	13053.6	5412.9	2559.5	1402.5	1151.6	917.0	771.4	679.7	636.5
45°	36690.4	30414.4	13013.2	5286.2	2400.4	1451.0	1127.4	890.0	733.6	641.9	601.4
47.5°	38114.5	31811.5	13272.1	5197.2	2249.3	1324.2	1186.7	871.1	698.5	609.5	563.7
50°	39808.2	33526.8	13881.6	5051.5	2090.2	1192.1	1359.3	876.5	668.9	577.2	528.6
52.5°	42170.8	35900.2	14777.0	4806.1	1871.7	1070.7	1337.7	881.9	636.5	542.1	493.6
55°	44819.3	38864.2	15739.9	4398.9	1567.0	911.6	1146.2	844.2	574.5	504.3	458.5
57.5°	47602.6	41553.2	16311.7	3913.4	1246.0	787.5	917.0	768.7	507.0	453.1	423.4
60°	48039.5	42575.4	16050.0	3317.3	989.8	685.0	679.7	782.1	453.1	399.2	377.6
62.5°	46952.6	41291.6	14785.1	2786.0	828.0	601.4	558.3	682.3	409.9	356.0	334.4
65°	44862.4	37820.5	12735.4	2510.9	768.7	515.1	463.9	480.1	358.7	310.2	291.3
67.5°	41955.0	33187.0	10456.4	2354.5	760.6	442.3	396.5	364.1	310.2	269.7	253.5
70°	36010.8	27647.3	8341.9	2268.2	739.0	372.2	334.4	296.7	258.9	229.2	215.8
72.5°	26503.7	19591.2	6489.1	2173.8	744.4	296.7	291.3	245.4	207.7	178.0	172.6
75°	15313.7	11192.7	4255.9	1761.2	709.3	229.2	242.7	172.6	145.6	124.1	124.1
77.5°	8161.2	6826.2	1620.9	733.6	258.9	145.6	137.5	102.5	91.7	75.5	72.8
80°	3557.4	3004.5	488.2	205.0	142.9	78.2	51.2	45.8	40.5	32.4	29.7
82.5°	1259.5	1086.9	159.1	99.8	62.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	285.9	205.0	0.0	24.3	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°	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4
2.5°	16201.1	16141.7	15791.1	15804.6	15866.6	15955.6	15745.3	15842.4	16104.0	16354.8	16449.2
5°	12527.7	12541.2	12328.1	12460.3	12579.0	12659.9	12320.0	12325.4	12533.1	12816.3	12964.6
7.5°	8827.4	8805.8	8816.6	9132.2	9356.0	9194.2	9320.9	8881.3	8908.3	9110.6	8959.5
10°	6561.9	6265.2	6098.0	6335.3	6580.8	6491.8	6273.3	6130.4	6230.1	6454.0	6437.8
12.5°	5156.7	4730.6	4479.8	4309.9	4512.1	4344.9	4339.5	4215.5	4080.6	4104.9	4463.6
15°	3878.3	3568.2	3271.5	2999.1	2993.7	2937.1	2648.5	2324.8	2297.9	2314.1	2500.1
17.5°	2667.4	2562.2	2440.8	2206.2	2144.1	1906.8	1626.3	1496.9	1432.1	1461.8	1523.8
20°	1874.4	1834.0	1847.5	1720.7	1631.7	1405.2	1240.6	1189.4	1178.6	1208.3	1237.9
22.5°	1553.5	1480.7	1472.6	1415.9	1326.9	1162.4	1073.4	1043.8	1030.3	1057.2	1078.8
25°	1359.3	1286.5	1256.8	1221.8	1127.4	1014.1	960.1	933.2	919.7	935.9	949.4
27.5°	1197.5	1130.1	1103.1	1078.8	987.1	906.2	863.1	838.8	828.0	833.4	846.9
30°	1076.1	1016.8	981.7	952.1	873.8	817.2	779.4	755.2	744.4	744.4	757.9
32.5°	949.4	917.0	884.6	846.9	774.0	736.3	698.5	671.6	660.8	663.5	674.3
35°	790.2	779.4	787.5	752.5	690.4	658.1	620.3	590.7	582.6	585.3	596.0
37.5°	701.2	652.7	682.3	663.5	628.4	585.3	536.7	509.7	496.3	504.3	509.7
40°	644.6	585.3	563.7	582.6	577.2	507.0	463.9	436.9	426.1	428.8	434.2
42.5°	596.0	525.9	477.4	474.7	507.0	442.3	396.5	372.2	358.7	358.7	364.1
45°	550.2	474.7	415.3	369.5	426.1	374.9	331.7	310.2	294.0	294.0	296.7
47.5°	515.1	431.5	361.4	302.1	320.9	307.5	272.4	250.8	234.6	234.6	237.3
50°	482.8	388.4	312.9	253.5	240.0	253.5	221.2	196.9	186.1	183.4	188.8
52.5°	447.7	345.2	267.0	215.8	188.8	191.5	172.6	156.4	142.9	142.9	148.3
55°	412.6	310.2	231.9	183.4	156.4	142.9	137.5	126.8	116.0	116.0	121.4
57.5°	377.6	272.4	196.9	151.0	124.1	113.3	113.3	105.2	97.1	97.1	102.5
60°	345.2	234.6	161.8	124.1	97.1	94.4	97.1	89.0	83.6	83.6	89.0
62.5°	307.5	199.6	132.2	102.5	78.2	75.5	83.6	78.2	72.8	72.8	78.2
65°	261.6	169.9	105.2	78.2	59.3	59.3	70.1	64.7	59.3	59.3	64.7
67.5°	221.2	142.9	80.9	56.6	43.2	45.8	59.3	53.9	51.2	51.2	56.6
70°	183.4	110.6	56.6	35.1	24.3	35.1	45.8	45.8	45.8	45.8	51.2
72.5°	137.5	75.5	32.4	13.5	10.8	24.3	37.8	43.2	40.5	40.5	48.5
75°	89.0	43.2	10.8	0.0	0.0	13.5	29.7	35.1	35.1	32.4	40.5
77.5°	51.2	13.5	0.0	0.0	0.0	0.0	18.9	16.2	13.5	10.8	18.9
80°	13.5	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: P324264

CATALOG NUMBER: GAN-SA0D-760-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4	19100.4
2.5°	16829.5	17147.7	17595.4	18070.1	18801.0	19380.9	19949.9	20438.1	20626.9	20705.1
5°	13320.6	13787.2	14442.6	15284.1	16602.9	17789.6	18992.5	20203.5	20729.4	20861.5
7.5°	9558.3	10154.3	10987.7	12042.2	13587.6	15125.0	16805.2	18582.6	19397.1	19602.0
10°	7074.3	7802.5	8757.3	9868.4	11343.7	12924.2	14755.5	16786.3	17716.8	17989.2
12.5°	5019.2	6003.6	7282.0	8633.2	9911.6	11322.1	13175.0	15413.5	16389.9	16683.8
15°	2947.9	3899.9	5412.9	7222.7	8859.8	10289.2	12171.7	14709.6	15785.7	16082.4
17.5°	1691.0	2165.7	3309.3	5326.6	7549.0	9528.6	11856.2	14884.9	16152.5	16427.6
20°	1291.9	1442.9	1906.8	3430.6	6017.1	8781.5	11856.2	15877.4	17439.0	17843.6
22.5°	1130.1	1240.6	1429.4	2047.0	4428.5	7980.5	11993.7	17312.3	19353.9	19801.6
25°	1003.3	1103.1	1264.9	1540.0	3020.7	7028.5	12320.0	19073.4	21608.6	22188.5
27.5°	898.1	992.5	1138.1	1348.5	2065.9	5879.5	12759.7	21139.3	24095.3	24559.2
30°	803.7	892.7	1024.9	1173.2	1593.9	4576.9	13134.5	23086.6	26047.9	26546.9
32.5°	714.7	795.6	914.3	1024.9	1305.4	3384.8	13175.0	24629.3	27668.9	28165.1
35°	631.1	703.9	811.8	898.1	1081.5	2672.8	12546.6	25967.0	29289.8	29945.2
37.5°	550.2	620.3	714.7	779.4	952.1	2179.2	11586.5	27458.5	31369.2	31976.0
40°	474.7	536.7	633.8	677.0	900.8	1674.9	10542.7	29022.8	33408.1	33963.7
42.5°	404.6	463.9	558.3	641.9	790.2	1251.4	9415.3	30490.0	35242.1	35824.7
45°	337.1	399.2	493.6	679.7	655.4	935.9	8209.8	31463.6	36690.4	37324.2
47.5°	272.4	342.5	472.0	647.3	523.2	687.7	7255.0	32386.0	37788.1	38413.8
50°	218.5	288.6	531.3	577.2	428.8	525.9	6855.9	33211.3	38508.2	39109.7
52.5°	178.0	242.7	501.6	442.3	358.7	434.2	7071.6	34549.0	39174.4	39552.0
55°	148.3	191.5	302.1	307.5	304.8	369.5	7338.6	36469.3	40897.8	41075.8
57.5°	129.5	153.7	210.4	237.3	256.2	329.0	7344.0	39225.6	43565.2	43675.7
60°	110.6	134.9	175.3	191.5	221.2	294.0	7077.0	40188.5	44614.3	44981.1
62.5°	97.1	118.7	145.6	159.1	186.1	264.3	6451.3	38794.1	43174.1	43797.1
65°	86.3	107.9	121.4	134.9	164.5	237.3	5421.0	36005.4	40784.5	41434.5
67.5°	75.5	94.4	107.9	121.4	148.3	210.4	3991.6	32766.2	38041.6	38581.0
70°	67.4	83.6	97.1	107.9	129.5	178.0	2421.9	27803.7	34249.6	34473.5
72.5°	64.7	75.5	89.0	97.1	113.3	156.4	1227.1	20432.7	27380.3	27744.4
75°	56.6	67.4	80.9	86.3	99.8	134.9	499.0	13420.4	19842.1	20427.3
77.5°	45.8	62.0	72.8	78.2	86.3	110.6	253.5	8576.6	13924.8	14302.4
80°	16.2	45.8	62.0	64.7	72.8	80.9	167.2	4695.5	8077.6	8239.4
82.5°	0.0	29.7	48.5	45.8	51.2	62.0	107.9	2233.1	5332.0	5391.4
85°	0.0	13.5	37.8	29.7	21.6	43.2	37.8	488.2	2796.8	2912.8
87.5°	0.0	0.0	2.7	13.5	10.8	16.2	5.4	2.7	253.5	320.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)