

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: P324440

Luminaire Tested: **GAN-SA6B-730-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324440
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-SA6B-730-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA 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: 23074 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G4

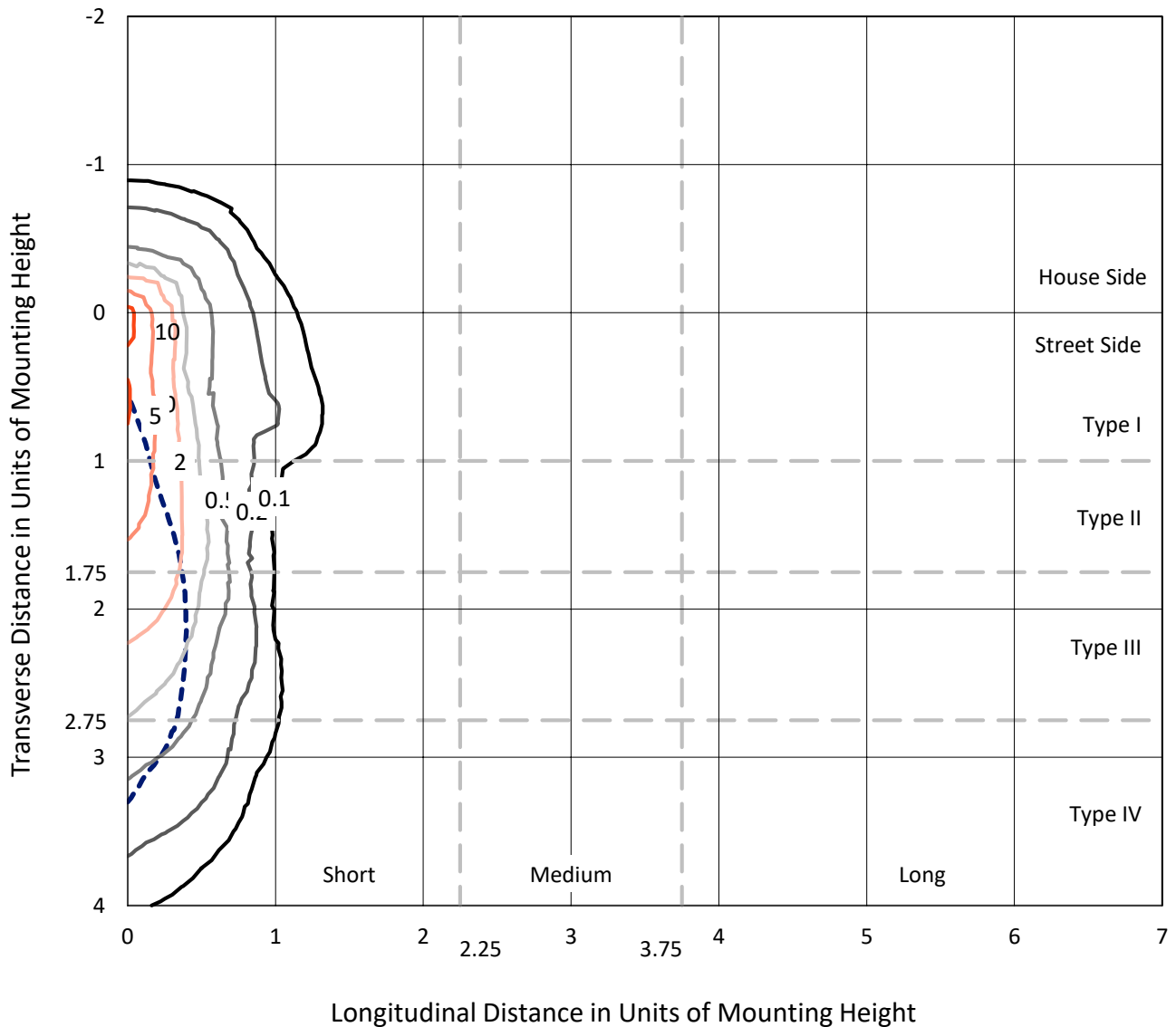
Input Watts (W): 249
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

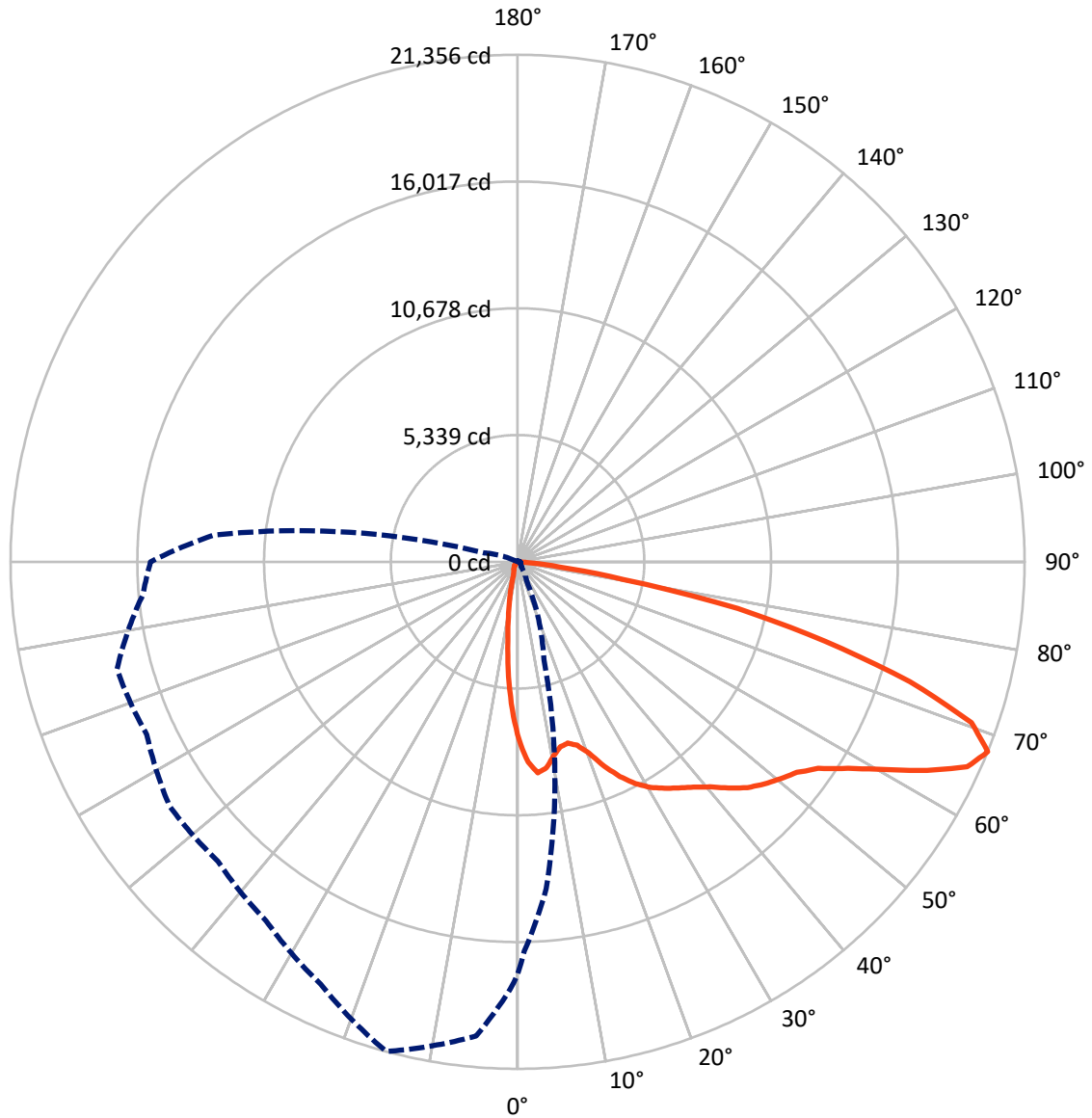
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 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	2792.7	0.0	2792.7
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	20281.3	0.0	20281.3
	% Fixture	87.9	0.0	87.9
Total	Lumens	23074.0	0.0	23074.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.9	2.5
10°-20°	1148.2	5.0
20°-30°	1630.5	7.1
30°-40°	2408.4	10.4
40°-50°	3473.4	15.1
50°-60°	4875.9	21.1
60°-70°	5683.9	24.6
70°-80°	2905.7	12.6
80°-90°	371.1	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°	23074.0	100.0
0°-180°	23074.0	100.0

Coefficient of Utilization

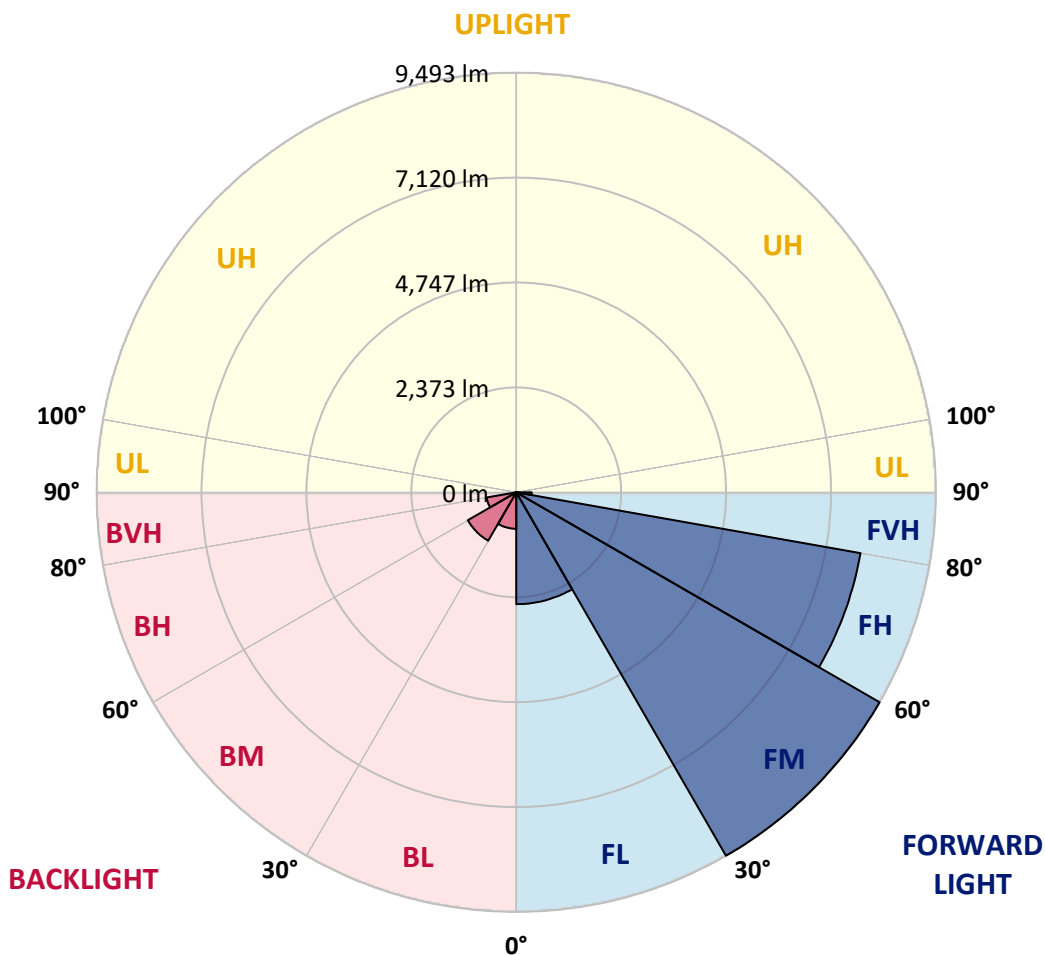


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2530.8	11.0			
FM (30°-60°)	9493.0	41.1			
FH (60°-80°)	7909.0	34.3			G4/12000
FVH (80°-90°)	348.5	1.5			G3/500
BL (0°-30°)	824.9	3.6	B2/1000		
BM (30°-60°)	1264.6	5.5	B2/2500		
BH (60°-80°)	680.7	2.9	B2/1000		G2/1000
BVH (80°-90°)	22.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3
2.5°	8230.1	8166.7	8096.8	7868.3	7656.2	7413.6	7215.7	7078.0	6905.3	6681.2	6624.3
5°	8171.1	8103.3	7883.6	7375.3	6930.4	6497.5	6079.9	5835.1	5531.2	5222.9	5146.4
7.5°	7577.5	7506.5	7189.5	6493.1	5894.1	5268.9	4726.7	4391.1	4047.8	3765.8	3616.1
10°	6959.9	6882.3	6525.9	5681.0	4943.1	4378.0	3980.1	3659.8	3335.1	3033.4	2792.9
12.5°	6534.7	6433.0	6046.1	5088.5	4445.7	4062.0	3690.4	3306.7	2867.3	2543.7	2279.2
15°	6356.5	6240.6	5831.8	4860.0	4269.7	3819.4	3335.1	2864.0	2349.1	1978.6	1735.9
17.5°	6494.2	6343.4	5905.0	4844.7	4048.9	3435.7	2823.5	2270.4	1711.8	1336.9	1164.2
20°	6962.1	6764.2	6207.8	4840.3	3781.1	2979.9	2203.7	1578.5	1128.1	907.3	816.6
22.5°	7698.9	7437.6	6642.9	4875.3	3504.6	2501.1	1591.6	1072.4	847.2	732.4	678.8
25°	8588.7	8285.9	7269.3	4998.9	3261.9	2035.4	1156.5	847.2	714.9	630.7	585.9
27.5°	9434.7	9188.8	8060.7	5177.0	3073.9	1659.4	939.0	718.2	611.1	555.3	519.2
30°	10279.7	9970.4	8872.9	5389.1	2847.6	1404.7	825.3	654.8	547.7	488.6	465.7
32.5°	10894.1	10637.2	9509.1	5542.1	2606.0	1238.5	737.9	599.0	511.6	451.5	417.6
35°	11616.6	11325.8	10054.5	5576.0	2450.8	1133.6	663.5	538.9	443.8	390.2	354.2
37.5°	12397.1	12035.3	10684.2	5501.7	2329.4	1082.2	607.8	511.6	414.3	359.6	321.4
40°	13260.7	12851.8	11288.7	5394.6	2210.3	1064.7	565.1	490.8	391.3	335.6	296.2
42.5°	14170.2	13688.1	11812.3	5282.0	2134.9	1004.6	560.8	470.0	373.8	313.7	274.4
45°	14934.2	14445.6	12350.1	5244.8	2081.3	939.0	579.4	455.8	361.8	296.2	258.0
47.5°	15543.1	15080.7	12901.0	5327.9	2050.7	878.9	528.0	474.4	355.3	280.9	243.8
50°	16270.0	15746.4	13677.2	5576.0	2005.9	818.7	477.7	543.3	355.3	271.1	231.7
52.5°	17181.7	16663.6	14542.9	5960.8	1916.2	735.7	429.6	544.4	358.5	258.0	216.4
55°	18328.4	17952.4	15779.2	6382.7	1773.0	613.2	371.7	467.9	345.4	233.9	202.2
57.5°	19428.1	19120.9	16906.2	6671.3	1581.7	478.8	323.6	377.1	315.9	205.5	180.4
59°	19728.7	19393.1	17319.4	6684.4	1438.5	417.6	299.5	311.5	309.4	192.4	167.2
60°	19728.7	19372.3	17438.6	6614.5	1334.7	383.7	284.2	277.7	322.5	183.6	159.6
62.5°	19371.2	18870.6	17051.6	6141.2	1088.8	326.8	248.1	229.6	289.7	165.1	141.0
65°	18627.9	17898.8	15733.3	5285.2	970.7	299.5	214.3	188.0	201.1	145.4	123.5
67.5°	17388.3	16400.1	13832.4	4269.7	923.7	291.9	184.7	159.6	151.9	124.6	108.2
70°	15205.3	14108.9	11524.8	3357.0	883.2	288.6	155.2	134.5	122.4	104.9	91.8
72.5°	11066.8	9923.4	8182.0	2624.6	859.2	295.1	124.6	112.6	100.6	82.0	71.1
75°	6330.3	5581.5	4598.8	1733.7	732.4	282.0	96.2	94.0	72.1	59.0	49.2
77.5°	3270.6	3171.1	2755.8	665.7	350.9	123.5	63.4	54.7	42.6	36.1	29.5
80°	1411.2	1395.9	1207.9	192.4	92.9	68.9	36.1	23.0	19.7	15.3	12.0
82.5°	487.5	487.5	429.6	64.5	41.5	33.9	4.4	0.0	0.0	0.0	0.0
85°	98.4	110.4	77.6	0.0	14.2	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°	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3
2.5°	6555.5	6423.2	6414.4	6331.4	6227.5	6180.5	6153.2	6201.3	6260.3	6266.9	6355.4
5°	5088.5	4949.7	5007.6	4860.0	4889.5	4860.0	4811.9	4820.7	4846.9	4764.9	4866.6
7.5°	3573.4	3468.5	3535.2	3495.8	3548.3	3569.0	3539.5	3495.8	3366.8	3351.5	3440.1
10°	2693.5	2574.3	2503.3	2428.9	2445.3	2479.2	2468.3	2436.6	2354.6	2359.0	2444.2
12.5°	2164.4	2031.0	1890.0	1707.5	1662.6	1687.8	1662.6	1644.1	1565.4	1571.9	1647.3
15°	1641.9	1532.6	1385.0	1238.5	1158.7	1166.4	1096.4	1047.2	998.0	939.0	984.9
17.5°	1108.4	1041.7	998.0	954.3	859.2	837.3	748.8	653.7	616.5	589.2	608.9
20°	784.9	748.8	731.3	729.1	674.5	647.1	560.8	501.7	483.2	477.7	489.7
22.5°	655.9	629.6	604.5	590.3	563.0	531.3	465.7	436.2	423.0	416.5	425.2
25°	570.6	550.9	524.7	500.7	489.7	455.8	408.8	387.0	378.2	371.7	376.0
27.5°	507.2	489.7	459.1	443.8	435.1	405.5	365.1	347.6	340.0	337.8	336.7
30°	456.9	440.5	412.1	394.6	379.3	353.1	329.0	311.5	303.9	301.7	299.5
32.5°	406.6	393.5	374.9	357.5	341.1	317.0	296.2	282.0	270.0	267.8	266.7
35°	343.2	330.1	320.3	319.2	303.9	280.9	265.6	247.0	237.2	233.9	235.0
37.5°	305.0	287.5	265.6	273.3	268.9	252.5	231.7	213.2	203.3	201.1	201.1
40°	280.9	262.3	237.2	224.1	237.2	233.9	201.1	182.6	172.7	171.6	169.4
42.5°	258.0	239.4	211.0	189.1	195.7	205.5	173.8	156.3	146.5	144.3	141.0
45°	241.6	221.9	190.2	165.1	151.9	172.7	148.7	126.8	121.3	117.0	114.8
47.5°	226.3	207.7	171.6	143.2	121.3	124.6	119.2	103.8	97.3	92.9	91.8
50°	213.2	193.5	155.2	122.4	100.6	91.8	96.2	82.0	76.5	72.1	70.0
52.5°	197.9	179.3	137.7	106.0	84.2	72.1	73.2	64.5	59.0	55.7	54.7
55°	185.8	167.2	123.5	92.9	74.3	59.0	52.5	50.3	47.0	44.8	43.7
57.5°	169.4	151.9	109.3	78.7	63.4	48.1	40.4	40.4	39.4	37.2	36.1
59°	159.6	144.3	100.6	71.1	57.9	41.5	36.1	37.2	36.1	33.9	32.8
60°	151.9	137.7	94.0	65.6	54.7	38.3	32.8	35.0	33.9	31.7	30.6
62.5°	134.5	124.6	80.9	54.7	48.1	30.6	27.3	29.5	29.5	28.4	27.3
65°	118.1	107.1	68.9	45.9	44.8	26.2	21.9	26.2	27.3	25.1	23.0
67.5°	102.8	91.8	60.1	37.2	41.5	20.8	16.4	21.9	29.5	23.0	20.8
70°	87.4	76.5	47.0	29.5	43.7	14.2	13.1	19.7	35.0	25.1	19.7
72.5°	67.8	59.0	32.8	21.9	47.0	9.8	9.8	16.4	39.4	27.3	18.6
75°	47.0	38.3	19.7	13.1	38.3	6.6	6.6	15.3	37.2	25.1	17.5
77.5°	27.3	20.8	6.6	1.1	19.7	0.0	1.1	10.9	26.2	15.3	7.7
80°	9.8	4.4	0.0	0.0	12.0	0.0	0.0	0.0	2.2	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°	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3
2.5°	6378.4	6525.9	6658.2	6858.3	7095.5	7368.7	7603.8	7856.3	8093.5	8191.9	8259.6
5°	4887.4	5069.9	5283.1	5577.1	5968.5	6450.5	6902.0	7412.5	7961.2	8235.6	8493.6
7.5°	3455.4	3641.2	3905.7	4218.4	4691.7	5265.6	5855.9	6560.9	7304.2	7738.2	8165.6
10°	2484.7	2713.1	2960.2	3387.6	3868.6	4412.9	5020.7	5807.8	6636.3	7117.3	7632.2
12.5°	1691.1	1951.2	2325.1	2803.9	3369.0	3902.4	4430.4	5181.4	6143.4	6620.0	7172.0
15°	1014.4	1158.7	1554.4	2108.6	2801.7	3466.3	4044.6	4797.7	5823.1	6406.8	6980.7
17.5°	625.3	691.9	907.3	1362.0	2090.1	2930.7	3723.2	4667.6	5869.0	6579.5	7193.8
20°	498.5	524.7	593.6	804.5	1385.0	2340.4	3361.4	4641.4	6243.9	7118.4	7777.6
22.5°	432.9	458.0	503.9	584.8	871.2	1752.3	3018.1	4665.4	6781.7	7926.2	8695.8
25°	381.5	403.4	447.1	513.8	638.4	1234.1	2650.8	4772.6	7482.4	8928.6	9746.3
27.5°	341.1	359.6	400.1	461.3	547.7	861.4	2234.3	4902.7	8313.2	9954.0	10760.7
30°	303.9	320.3	356.4	413.2	475.5	662.4	1777.4	4991.2	9145.1	10760.7	11485.4
32.5°	272.2	284.2	317.0	365.1	413.2	528.0	1351.1	4977.0	9762.7	11431.9	12006.9
35°	239.4	251.4	279.8	321.4	359.6	436.2	1062.5	4711.4	10300.5	12128.2	12603.7
37.5°	203.3	218.6	246.0	283.1	309.4	383.7	859.2	4391.1	10846.0	12924.0	13269.4
40°	172.7	188.0	212.1	252.5	268.9	364.0	660.2	4000.8	11459.2	13813.8	13999.6
42.5°	143.2	157.4	182.6	217.5	253.6	313.7	488.6	3554.8	12048.4	14574.6	14665.3
45°	115.9	130.1	156.3	191.3	271.1	260.2	378.2	3077.1	12523.9	15207.5	15237.0
47.5°	91.8	104.9	132.3	180.4	252.5	207.7	270.0	2702.2	12922.9	15701.6	15624.0
50°	71.1	82.0	110.4	206.6	220.8	171.6	204.4	2577.6	13280.3	16007.7	15806.6
52.5°	55.7	65.6	90.7	193.5	171.6	142.1	171.6	2694.5	13770.1	16261.3	15909.3
55°	44.8	54.7	71.1	110.4	117.0	120.2	146.5	2803.9	14615.1	16856.0	16516.0
57.5°	37.2	47.0	57.9	77.6	88.5	101.7	130.1	2815.9	15610.9	17844.1	17522.8
59°	33.9	42.6	52.5	68.9	77.6	92.9	122.4	2750.3	15961.8	18203.8	18043.1
60°	31.7	40.4	49.2	63.4	72.1	87.4	118.1	2688.0	15977.1	18190.7	18265.0
62.5°	27.3	36.1	43.7	53.6	61.2	74.3	106.0	2457.3	15330.0	17594.9	18131.6
65°	24.0	31.7	39.4	45.9	52.5	66.7	96.2	2036.5	14224.8	16634.1	17218.9
67.5°	21.9	27.3	36.1	40.4	47.0	59.0	85.3	1451.7	12844.2	15458.9	15838.3
70°	19.7	26.2	32.8	37.2	42.6	51.4	73.2	834.1	10846.0	13738.4	14008.4
72.5°	18.6	25.1	29.5	35.0	38.3	45.9	66.7	392.4	7941.5	11005.6	11710.6
75°	16.4	23.0	27.3	32.8	36.1	41.5	56.8	188.0	5282.0	7964.5	8765.8
77.5°	9.8	18.6	25.1	29.5	31.7	36.1	47.0	108.2	3371.2	5512.6	6493.1
80°	0.0	6.6	18.6	25.1	27.3	30.6	36.1	85.3	1803.7	3149.3	3780.0
82.5°	0.0	0.0	13.1	19.7	18.6	20.8	27.3	53.6	813.3	2058.4	2319.6
85°	0.0	0.0	4.4	15.3	13.1	9.8	18.6	18.6	178.2	1041.7	1299.7
87.5°	0.0	0.0	0.0	1.1	6.6	4.4	7.7	2.2	1.1	77.6	314.8
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: GAN-SA6B-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3	7516.3
2.5°	8496.8	8577.7	8714.4	8778.9	8747.2	8612.7	8452.0	8288.1	8191.9	8230.1
5°	9019.4	9435.8	9676.3	9756.1	9622.8	9321.1	8926.4	8406.1	8221.4	8171.1
7.5°	9019.4	9803.1	10299.4	10386.9	10089.5	9498.1	8758.1	7945.9	7675.9	7577.5
10°	8702.4	9769.2	10461.2	10600.0	10184.6	9300.3	8308.8	7381.9	7061.6	6959.9
12.5°	8344.9	9493.8	10222.9	10414.2	10073.1	9103.5	7997.3	7000.4	6623.2	6534.7
15°	8125.2	9154.9	9758.3	9897.1	9752.8	8988.7	7923.0	6885.6	6441.8	6356.5
17.5°	8203.9	8892.6	9110.1	9191.0	9288.3	8948.3	8125.2	7137.0	6575.1	6494.2
20°	8500.1	8616.0	8503.4	8605.1	8867.4	8987.7	8607.2	7744.8	7070.3	6962.1
22.5°	9003.0	8472.8	8156.9	8197.3	8516.5	9117.7	9344.0	8612.7	7834.4	7698.9
25°	9588.9	8588.7	7964.5	7928.4	8256.4	9289.4	10017.4	9557.2	8738.4	8588.7
27.5°	10325.6	8848.8	7925.1	7889.1	8165.6	9450.0	10577.1	10490.7	9690.5	9434.7
30°	10894.1	9104.6	8042.1	7959.0	8256.4	9561.5	11026.3	11283.2	10449.2	10279.7
32.5°	11301.8	9406.3	8232.3	8112.1	8512.1	9753.9	11372.9	12009.0	11150.9	10894.1
35°	11612.2	9734.3	8539.5	8341.6	8864.1	10045.8	11697.5	12781.9	11897.5	11616.6
37.5°	11903.0	10194.5	9019.4	8783.2	9416.2	10515.8	12040.7	13658.6	12732.7	12397.1
40°	12308.6	10715.9	9759.4	9549.5	10344.2	11156.4	12469.3	14572.4	13682.6	13260.7
42.5°	12714.1	11275.6	10516.9	10573.8	11501.8	11934.7	13022.4	15538.7	14620.5	14170.2
45°	13084.7	11852.7	11595.8	11858.2	12576.4	12788.4	13572.2	16097.3	15369.3	14934.2
47.5°	13414.8	12574.2	12668.2	13366.7	13798.5	13561.3	13983.2	16579.4	15926.8	15543.1
50°	13798.5	13507.7	14081.6	15069.8	15205.3	14260.9	14357.1	17150.0	16578.3	16270.0
52.5°	14218.2	14491.5	15647.0	16518.2	16474.5	15020.6	14733.1	17789.5	17471.4	17181.7
55°	14694.9	15286.2	17025.4	17873.7	17836.5	15868.9	15356.2	18579.8	18590.7	18328.4
57.5°	15402.1	15970.5	17961.1	18970.1	19032.4	16848.3	16412.1	19465.2	19603.0	19428.1
59°	15909.3	16414.3	18331.7	19428.1	19681.7	17605.8	17183.9	19979.0	19888.3	19728.7
60°	16285.3	16696.4	18515.3	19667.5	20058.8	18119.6	17753.4	20280.7	19922.2	19728.7
62.5°	17215.6	17310.7	18846.5	19938.6	20492.8	19260.8	19355.9	20794.5	19687.1	19371.2
65°	17649.6	17698.8	18842.2	19453.2	20073.0	20149.5	20809.8	20809.8	19113.3	18627.9
67.5°	17468.1	17230.9	17907.5	17844.1	18462.8	19621.6	21356.3	20046.8	18015.8	17388.3
70°	15992.4	15079.6	14779.0	14806.3	15279.7	17066.9	20274.1	17801.5	15938.8	15205.3
72.5°	13306.6	11117.1	10374.8	11222.0	11345.5	13116.4	17277.9	13406.1	11754.4	11066.8
75°	10702.8	7836.6	6629.8	7524.0	7733.8	9598.7	13365.6	8349.3	6865.9	6330.3
77.5°	7689.0	5625.2	4757.3	4695.0	4966.1	6087.6	9483.9	4202.0	3504.6	3270.6
80°	4368.1	3702.4	3986.6	3761.4	3898.1	3806.3	4505.9	1843.0	1509.6	1411.2
82.5°	2636.6	2188.4	2369.9	1973.1	2496.7	2174.2	1735.9	590.3	512.7	487.5
85°	1715.1	1195.9	623.1	417.6	860.3	1389.4	388.1	160.7	123.5	98.4
87.5°	591.4	305.0	30.6	13.1	91.8	259.1	14.2	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

(END OF REPORT)