

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: P324441

Luminaire Tested: **GAN-SA7B-730-U-SLR-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324441  
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-SA7B-730-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 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: 27287 lumens  
Efficiency: N/A  
Efficacy: 92.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G4

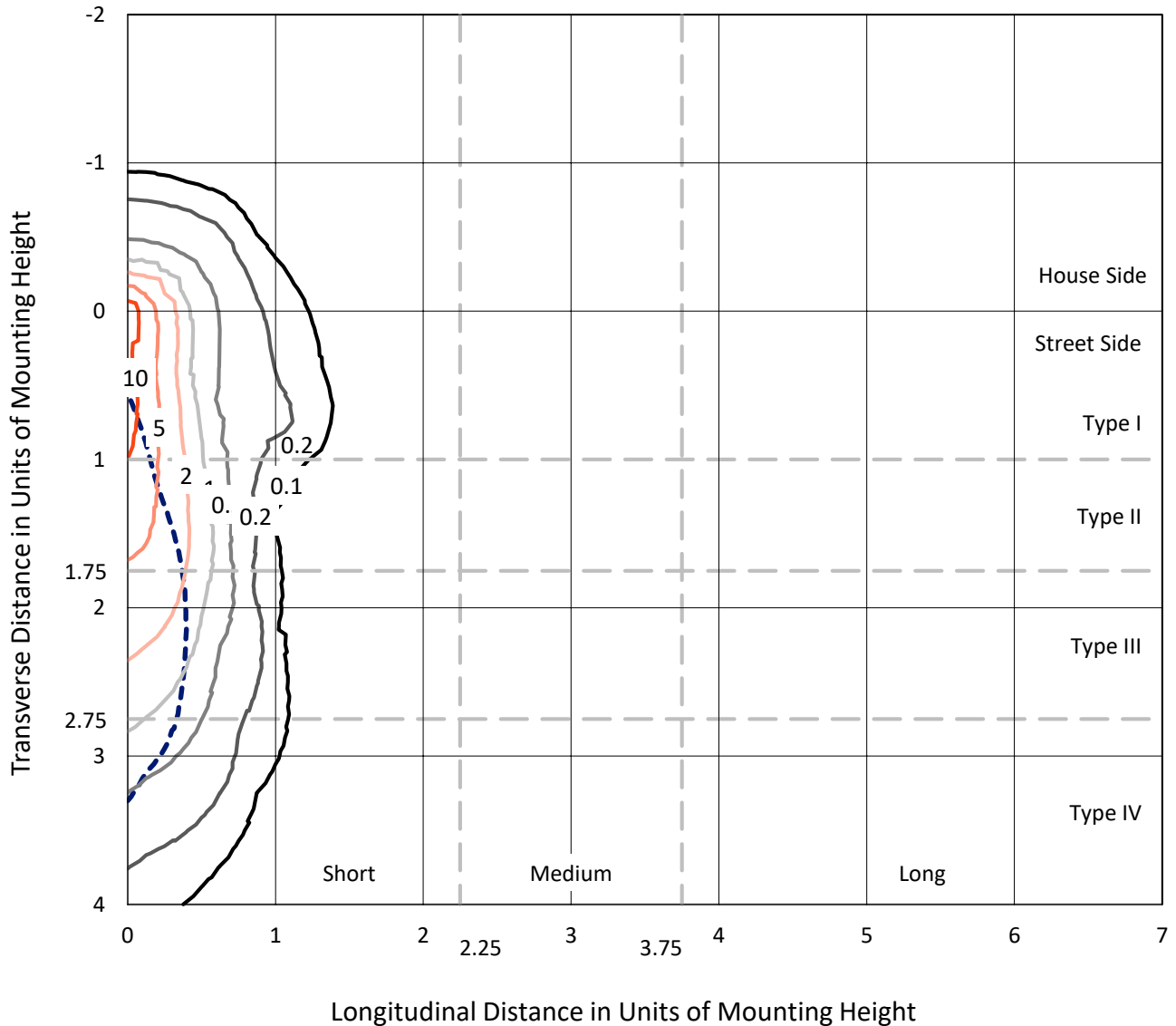
Input Watts (W): 295  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

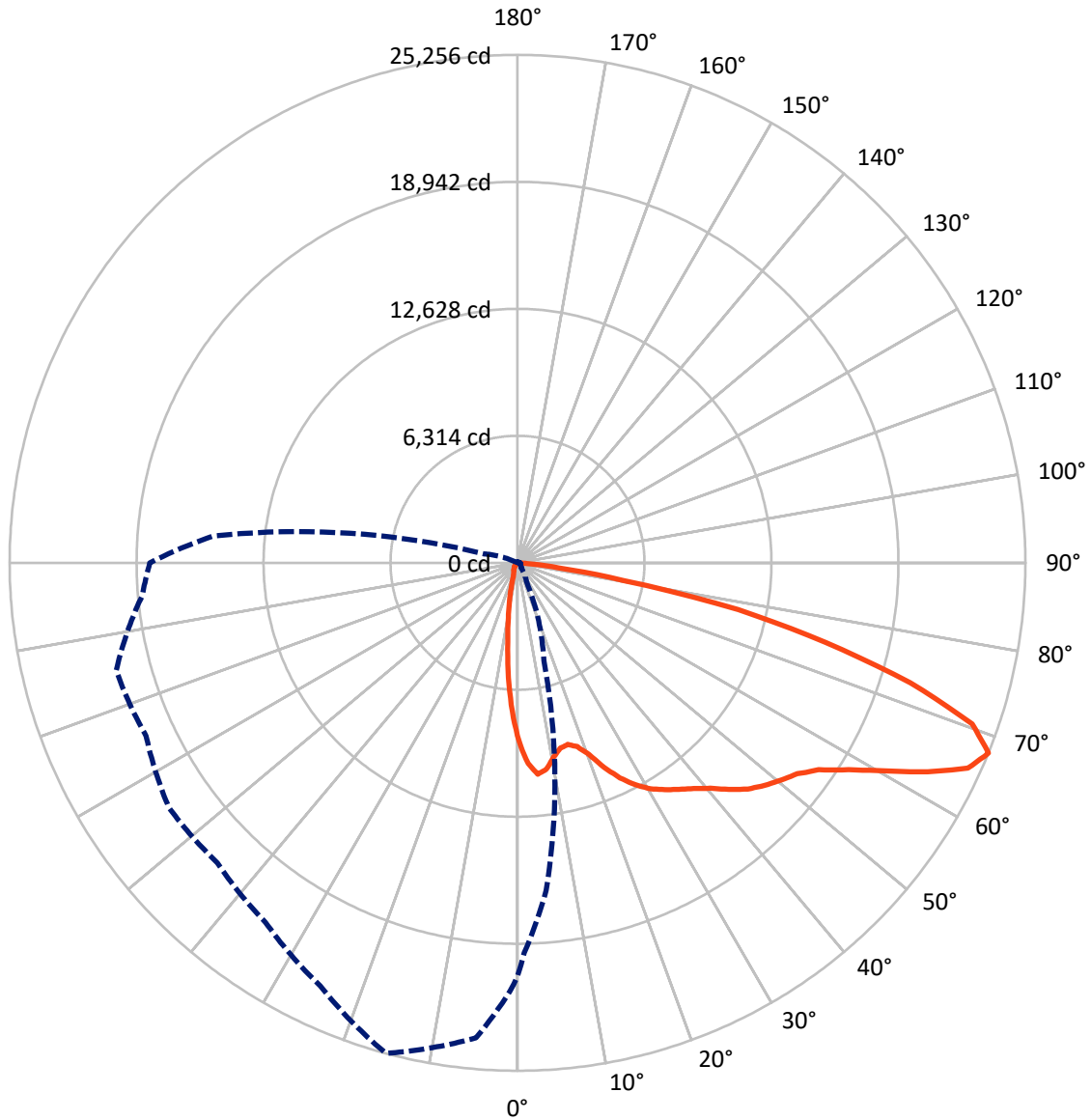
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 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
<b>House Side</b>	Lumens	3302.6	0.0	3302.6
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	23984.4	0.0	23984.4
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	27287.0	0.0	27287.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	682.2	2.5
10°-20°	1357.9	5.0
20°-30°	1928.2	7.1
30°-40°	2848.1	10.4
40°-50°	4107.6	15.1
50°-60°	5766.2	21.1
60°-70°	6721.7	24.6
70°-80°	3436.3	12.6
80°-90°	438.9	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°	27287.0	100.0
0°-180°	27287.0	100.0

**Coefficient of Utilization**

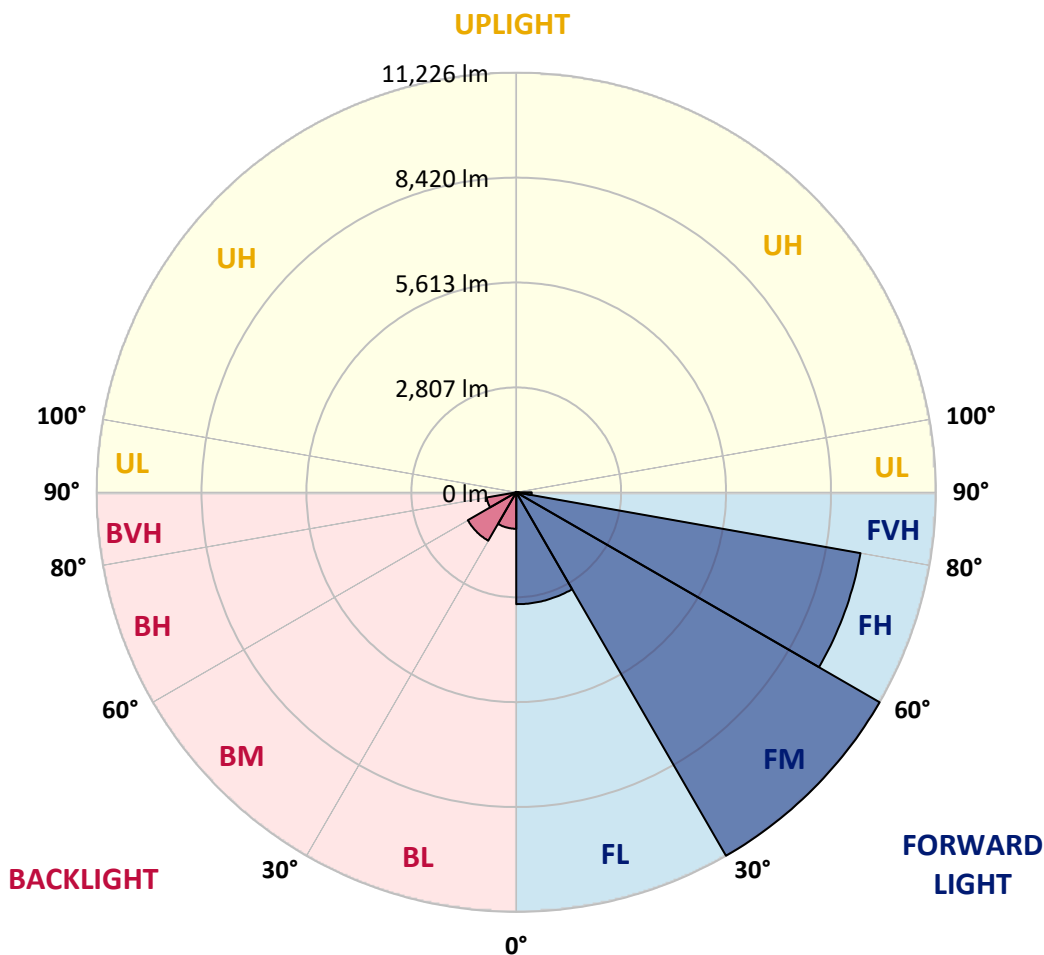


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2992.9	11.0			
FM (30°-60°)	11226.3	41.1			
FH (60°-80°)	9353.0	34.3			G4/12000
FVH (80°-90°)	412.2	1.5			G3/500
BL (0°-30°)	975.5	3.6	B2/1000		
BM (30°-60°)	1495.5	5.5	B2/2500		
BH (60°-80°)	804.9	2.9	B2/1000		G2/1000
BVH (80°-90°)	26.7	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°	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7
2.5°	9732.8	9657.9	9575.1	9304.9	9054.2	8767.2	8533.2	8370.3	8166.1	7901.1	7833.8
5°	9663.0	9582.9	9323.0	8721.9	8195.8	7683.9	7190.1	6900.5	6541.1	6176.6	6086.1
7.5°	8961.1	8877.1	8502.2	7678.7	6970.3	6230.9	5589.7	5192.8	4786.9	4453.4	4276.3
10°	8230.7	8138.9	7717.5	6718.2	5845.6	5177.3	4706.8	4328.0	3944.1	3587.3	3302.9
12.5°	7727.8	7607.6	7150.0	6017.6	5257.5	4803.7	4364.2	3910.5	3390.8	3008.1	2695.3
15°	7517.1	7380.1	6896.6	5747.4	5049.3	4516.7	3944.1	3386.9	2778.0	2339.8	2052.8
17.5°	7680.0	7501.6	6983.2	5729.3	4788.2	4063.0	3339.1	2685.0	2024.4	1581.0	1376.7
20°	8233.3	7999.3	7341.3	5724.1	4471.5	3523.9	2606.1	1866.7	1334.1	1073.0	965.7
22.5°	9104.6	8795.6	7855.8	5765.5	4144.4	2957.7	1882.2	1268.2	1001.9	866.1	802.8
25°	10156.8	9798.8	8596.5	5911.6	3857.5	2407.0	1367.7	1001.9	845.4	745.9	692.9
27.5°	11157.4	10866.5	9532.5	6122.3	3635.1	1962.3	1110.4	849.3	722.6	656.7	614.0
30°	12156.7	11790.8	10492.9	6373.1	3367.5	1661.1	976.0	774.3	647.6	577.8	550.7
32.5°	12883.2	12579.4	11245.3	6554.1	3081.8	1464.6	872.6	708.4	605.0	533.9	493.8
35°	13737.7	13393.8	11890.4	6594.1	2898.3	1340.5	784.7	637.3	524.8	461.5	418.8
37.5°	14660.6	14232.8	12635.0	6506.2	2754.8	1279.8	718.7	605.0	489.9	425.3	380.1
40°	15681.9	15198.4	13349.8	6379.5	2613.9	1259.1	668.3	580.4	462.8	396.9	350.3
42.5°	16757.4	16187.3	13969.0	6246.4	2524.7	1188.0	663.2	555.9	442.1	371.0	324.5
45°	17661.0	17083.2	14605.1	6202.4	2461.3	1110.4	685.1	539.1	427.9	350.3	305.1
47.5°	18381.1	17834.3	15256.6	6300.7	2425.1	1039.3	624.4	561.0	420.1	332.2	288.3
50°	19240.7	18621.5	16174.4	6594.1	2372.1	968.2	564.9	642.5	420.1	320.6	274.1
52.5°	20318.9	19706.1	17198.2	7049.2	2266.1	870.0	508.0	643.8	424.0	305.1	256.0
55°	21674.9	21230.2	18660.3	7548.1	2096.8	725.2	439.5	553.3	408.5	276.6	239.2
57.5°	22975.4	22612.1	19993.1	7889.4	1870.6	566.2	382.6	446.0	373.6	243.0	213.3
59°	23330.9	22934.0	20481.7	7904.9	1701.2	493.8	354.2	368.4	365.8	227.5	197.8
60°	23330.9	22909.4	20622.6	7822.2	1578.4	453.7	336.1	328.3	381.4	217.2	188.7
62.5°	22908.2	22316.1	20165.0	7262.5	1287.5	386.5	293.4	271.5	342.6	195.2	166.8
65°	22029.1	21166.9	18606.0	6250.3	1147.9	354.2	253.4	222.3	237.9	171.9	146.1
67.5°	20563.2	19394.6	16358.0	5049.3	1092.3	345.2	218.5	188.7	179.7	147.4	128.0
70°	17981.6	16685.0	13629.1	3969.9	1044.5	341.3	183.6	159.0	144.8	124.1	108.6
72.5°	13087.4	11735.2	9676.0	3103.8	1016.1	349.0	147.4	133.1	118.9	97.0	84.0
75°	7486.1	6600.6	5438.4	2050.2	866.1	333.5	113.8	111.2	85.3	69.8	58.2
77.5°	3867.8	3750.2	3258.9	787.3	415.0	146.1	75.0	64.6	50.4	42.7	34.9
80°	1668.9	1650.8	1428.4	227.5	109.9	81.4	42.7	27.1	23.3	18.1	14.2
82.5°	576.5	576.5	508.0	76.3	49.1	40.1	5.2	0.0	0.0	0.0	0.0
85°	116.3	130.6	91.8	0.0	16.8	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°	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7
2.5°	7752.4	7596.0	7585.6	7487.4	7364.6	7309.0	7276.7	7333.6	7403.4	7411.1	7515.8
5°	6017.6	5853.4	5921.9	5747.4	5782.3	5747.4	5690.5	5700.9	5731.9	5634.9	5755.2
7.5°	4225.9	4101.8	4180.6	4134.1	4196.1	4220.7	4185.8	4134.1	3981.6	3963.5	4068.2
10°	3185.2	3044.3	2960.3	2872.4	2891.8	2931.9	2918.9	2881.5	2784.5	2789.7	2890.5
12.5°	2559.6	2401.9	2235.1	2019.2	1966.2	1995.9	1966.2	1944.2	1851.2	1858.9	1948.1
15°	1941.7	1812.4	1637.9	1464.6	1370.3	1379.3	1296.6	1238.4	1180.2	1110.4	1164.7
17.5°	1310.8	1232.0	1180.2	1128.5	1016.1	990.2	885.5	773.0	729.1	696.8	720.0
20°	928.2	885.5	864.8	862.2	797.6	765.3	663.2	593.4	571.4	564.9	579.1
22.5°	775.6	744.6	714.9	698.1	665.7	628.3	550.7	515.8	500.3	492.5	502.9
25°	674.8	651.5	620.5	592.1	579.1	539.1	483.5	457.6	447.3	439.5	444.7
27.5°	599.8	579.1	542.9	524.8	514.5	479.6	431.8	411.1	402.0	399.4	398.2
30°	540.4	521.0	487.4	466.7	448.6	417.5	389.1	368.4	359.4	356.8	354.2
32.5°	480.9	465.4	443.4	422.7	403.3	374.9	350.3	333.5	319.3	316.7	315.4
35°	405.9	390.4	378.8	377.5	359.4	332.2	314.1	292.2	280.5	276.6	277.9
37.5°	360.7	340.0	314.1	323.2	318.0	298.6	274.1	252.1	240.4	237.9	237.9
40°	332.2	310.3	280.5	265.0	280.5	276.6	237.9	215.9	204.2	203.0	200.4
42.5°	305.1	283.1	249.5	223.6	231.4	243.0	205.5	184.9	173.2	170.6	166.8
45°	285.7	262.4	224.9	195.2	179.7	204.2	175.8	150.0	143.5	138.3	135.7
47.5°	267.6	245.6	203.0	169.3	143.5	147.4	140.9	122.8	115.1	109.9	108.6
50°	252.1	228.8	183.6	144.8	118.9	108.6	113.8	97.0	90.5	85.3	82.7
52.5°	234.0	212.0	162.9	125.4	99.5	85.3	86.6	76.3	69.8	65.9	64.6
55°	219.8	197.8	146.1	109.9	87.9	69.8	62.1	59.5	55.6	53.0	51.7
57.5°	200.4	179.7	129.3	93.1	75.0	56.9	47.8	47.8	46.5	44.0	42.7
59°	188.7	170.6	118.9	84.0	68.5	49.1	42.7	44.0	42.7	40.1	38.8
60°	179.7	162.9	111.2	77.6	64.6	45.2	38.8	41.4	40.1	37.5	36.2
62.5°	159.0	147.4	95.7	64.6	56.9	36.2	32.3	34.9	34.9	33.6	32.3
65°	139.6	126.7	81.4	54.3	53.0	31.0	25.9	31.0	32.3	29.7	27.1
67.5°	121.5	108.6	71.1	44.0	49.1	24.6	19.4	25.9	34.9	27.1	24.6
70°	103.4	90.5	55.6	34.9	51.7	16.8	15.5	23.3	41.4	29.7	23.3
72.5°	80.1	69.8	38.8	25.9	55.6	11.6	11.6	19.4	46.5	32.3	22.0
75°	55.6	45.2	23.3	15.5	45.2	7.8	7.8	18.1	44.0	29.7	20.7
77.5°	32.3	24.6	7.8	1.3	23.3	0.0	1.3	12.9	31.0	18.1	9.0
80°	11.6	5.2	0.0	0.0	14.2	0.0	0.0	0.0	2.6	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°	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7
2.5°	7543.0	7717.5	7873.9	8110.5	8391.0	8714.2	8992.1	9290.7	9571.2	9687.6	9767.7
5°	5779.7	5995.6	6247.7	6595.4	7058.2	7628.3	8162.2	8765.9	9414.8	9739.3	10044.4
7.5°	4086.3	4306.0	4618.9	4988.6	5548.3	6227.0	6925.1	7758.9	8637.9	9151.1	9656.6
10°	2938.3	3208.5	3500.7	4006.1	4574.9	5218.7	5937.4	6868.2	7848.1	8416.8	9025.7
12.5°	1999.8	2307.5	2749.6	3315.8	3984.1	4615.0	5239.4	6127.5	7265.0	7828.7	8481.5
15°	1199.6	1370.3	1838.2	2493.6	3313.2	4099.2	4783.0	5673.7	6886.3	7576.6	8255.3
17.5°	739.4	818.3	1073.0	1610.7	2471.7	3465.8	4403.0	5519.9	6940.6	7780.8	8507.3
20°	589.5	620.5	701.9	951.4	1637.9	2767.7	3975.1	5488.9	7384.0	8418.1	9197.6
22.5°	511.9	541.6	595.9	691.6	1030.3	2072.2	3569.2	5517.3	8020.0	9373.5	10283.5
25°	451.2	477.0	528.7	607.6	754.9	1459.5	3134.8	5644.0	8848.6	10558.9	11525.8
27.5°	403.3	425.3	473.1	545.5	647.6	1018.7	2642.3	5797.8	9831.1	11771.4	12725.5
30°	359.4	378.8	421.4	488.6	562.3	783.4	2102.0	5902.5	10814.8	12725.5	13582.5
32.5°	321.9	336.1	374.9	431.8	488.6	624.4	1597.8	5885.7	11545.2	13519.2	14199.2
35°	283.1	297.3	330.9	380.1	425.3	515.8	1256.5	5571.6	12181.2	14342.6	14905.0
37.5°	240.4	258.5	290.9	334.8	365.8	453.7	1016.1	5192.8	12826.3	15283.7	15692.2
40°	204.2	222.3	250.8	298.6	318.0	430.5	780.8	4731.3	13551.5	16336.0	16555.8
42.5°	169.3	186.2	215.9	257.2	299.9	371.0	577.8	4203.9	14248.3	17235.7	17343.0
45°	137.0	153.8	184.9	226.2	320.6	307.7	447.3	3639.0	14810.6	17984.2	18019.1
47.5°	108.6	124.1	156.4	213.3	298.6	245.6	319.3	3195.6	15282.4	18568.5	18476.7
50°	84.0	97.0	130.6	244.3	261.1	203.0	241.7	3048.2	15705.2	18930.5	18692.6
52.5°	65.9	77.6	107.3	228.8	203.0	168.1	203.0	3186.5	16284.3	19230.4	18814.1
55°	53.0	64.6	84.0	130.6	138.3	142.2	173.2	3315.8	17283.6	19933.6	19531.6
57.5°	44.0	55.6	68.5	91.8	104.7	120.2	153.8	3330.0	18461.2	21102.2	20722.2
59°	40.1	50.4	62.1	81.4	91.8	109.9	144.8	3252.5	18876.2	21527.5	21337.5
60°	37.5	47.8	58.2	75.0	85.3	103.4	139.6	3178.8	18894.3	21512.0	21599.9
62.5°	32.3	42.7	51.7	63.3	72.4	87.9	125.4	2906.0	18129.0	20807.5	21442.2
65°	28.4	37.5	46.5	54.3	62.1	78.9	113.8	2408.3	16822.1	19671.2	20362.8
67.5°	25.9	32.3	42.7	47.8	55.6	69.8	100.8	1716.7	15189.4	18281.5	18730.1
70°	23.3	31.0	38.8	44.0	50.4	60.8	86.6	986.3	12826.3	16246.8	16566.1
72.5°	22.0	29.7	34.9	41.4	45.2	54.3	78.9	464.1	9391.6	13015.0	13848.8
75°	19.4	27.1	32.3	38.8	42.7	49.1	67.2	222.3	6246.4	9418.7	10366.3
77.5°	11.6	22.0	29.7	34.9	37.5	42.7	55.6	128.0	3986.7	6519.1	7678.7
80°	0.0	7.8	22.0	29.7	32.3	36.2	42.7	100.8	2133.0	3724.3	4470.2
82.5°	0.0	0.0	15.5	23.3	22.0	24.6	32.3	63.3	961.8	2434.2	2743.1
85°	0.0	0.0	5.2	18.1	15.5	11.6	22.0	22.0	210.7	1232.0	1537.0
87.5°	0.0	0.0	0.0	1.3	7.8	5.2	9.0	2.6	1.3	91.8	372.3
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: P324441  
 CATALOG NUMBER: GAN-SA7B-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7	8888.7
2.5°	10048.3	10143.9	10305.5	10381.8	10344.3	10185.3	9995.3	9801.3	9687.6	9732.8
5°	10666.2	11158.7	11443.1	11537.5	11379.7	11023.0	10556.3	9941.0	9722.5	9663.0
7.5°	10666.2	11593.0	12179.9	12283.4	11931.7	11232.4	10357.2	9396.7	9077.4	8961.1
10°	10291.3	11553.0	12371.3	12535.4	12044.2	10998.4	9825.9	8729.7	8350.9	8230.7
12.5°	9868.6	11227.2	12089.4	12315.7	11912.3	10765.7	9457.5	8278.5	7832.5	7727.8
15°	9608.7	10826.5	11540.0	11704.2	11533.6	10630.0	9369.6	8142.8	7618.0	7517.1
17.5°	9701.8	10516.2	10773.5	10869.1	10984.2	10582.1	9608.7	8440.1	7775.7	7680.0
20°	10052.1	10189.2	10056.0	10176.2	10486.5	10628.7	10178.8	9158.9	8361.3	8233.3
22.5°	10646.8	10019.8	9646.2	9694.0	10071.5	10782.5	11050.1	10185.3	9264.9	9104.6
25°	11339.7	10156.8	9418.7	9376.0	9763.9	10985.5	11846.4	11302.2	10333.9	10156.8
27.5°	12211.0	10464.5	9372.2	9329.5	9656.6	11175.5	12508.3	12406.2	11459.9	11157.4
30°	12883.2	10767.0	9510.5	9412.2	9763.9	11307.4	13039.6	13343.4	12357.0	12156.7
32.5°	13365.4	11123.8	9735.4	9593.2	10066.4	11534.9	13449.4	14201.7	13187.0	12883.2
35°	13732.5	11511.6	10098.7	9864.7	10482.6	11880.0	13833.3	15115.7	14069.9	13737.7
37.5°	14076.3	12055.8	10666.2	10386.9	11135.4	12435.9	14239.2	16152.4	15057.5	14660.6
40°	14555.9	12672.5	11541.3	11293.1	12232.9	13193.4	14746.0	17233.1	16180.9	15681.9
42.5°	15035.5	13334.3	12437.2	12504.4	13601.9	14113.8	15400.1	18375.9	17290.0	16757.4
45°	15473.8	14016.9	13713.1	14023.3	14872.7	15123.4	16050.3	19036.5	18175.5	17661.0
47.5°	15864.2	14870.1	14981.2	15807.3	16317.9	16037.4	16536.4	19606.6	18834.8	18381.1
50°	16317.9	15974.0	16652.7	17821.3	17981.6	16864.7	16978.5	20281.4	19605.3	19240.7
52.5°	16814.3	17137.5	18503.9	19534.2	19482.5	17763.2	17423.2	21037.6	20661.4	20318.9
55°	17377.9	18077.3	20134.0	21137.1	21093.2	18766.3	18160.0	21972.2	21985.2	21674.9
57.5°	18214.3	18886.5	21240.6	22433.7	22507.4	19924.6	19408.8	23019.3	23182.2	22975.4
59°	18814.1	19411.4	21678.8	22975.4	23275.3	20820.4	20321.4	23626.9	23519.6	23330.9
60°	19258.8	19744.9	21896.0	23258.5	23721.3	21428.0	20994.9	23983.7	23559.7	23330.9
62.5°	20358.9	20471.4	22287.7	23579.1	24234.5	22777.6	22890.1	24591.3	23281.7	22908.2
65°	20872.1	20930.3	22282.5	23005.1	23738.1	23828.6	24609.4	24609.4	22603.1	22029.1
67.5°	20657.5	20377.0	21177.2	21102.2	21833.9	23204.2	25255.7	23707.1	21305.2	20563.2
70°	18912.4	17833.0	17477.5	17509.8	18069.5	20183.1	23975.9	21051.8	18849.0	17981.6
72.5°	15736.2	13146.9	12269.1	13271.0	13417.1	15511.3	20432.6	15853.8	13900.5	13087.4
75°	12656.9	9267.5	7840.3	8897.7	9145.9	11351.3	15806.0	9873.7	8119.5	7486.1
77.5°	9092.9	6652.3	5625.9	5552.2	5872.8	7199.1	11215.6	4969.2	4144.4	3867.8
80°	5165.7	4378.4	4714.5	4448.2	4609.8	4501.2	5328.6	2179.5	1785.2	1668.9
82.5°	3118.0	2588.0	2802.6	2333.3	2952.6	2571.2	2052.8	698.1	606.3	576.5
85°	2028.3	1414.2	736.8	493.8	1017.4	1643.0	458.9	190.0	146.1	116.3
87.5°	699.4	360.7	36.2	15.5	108.6	306.4	16.8	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)