

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: P324420

Luminaire Tested: **GAN-SA6D-727-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324420
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-SA6D-727-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1200mA 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: 28770 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

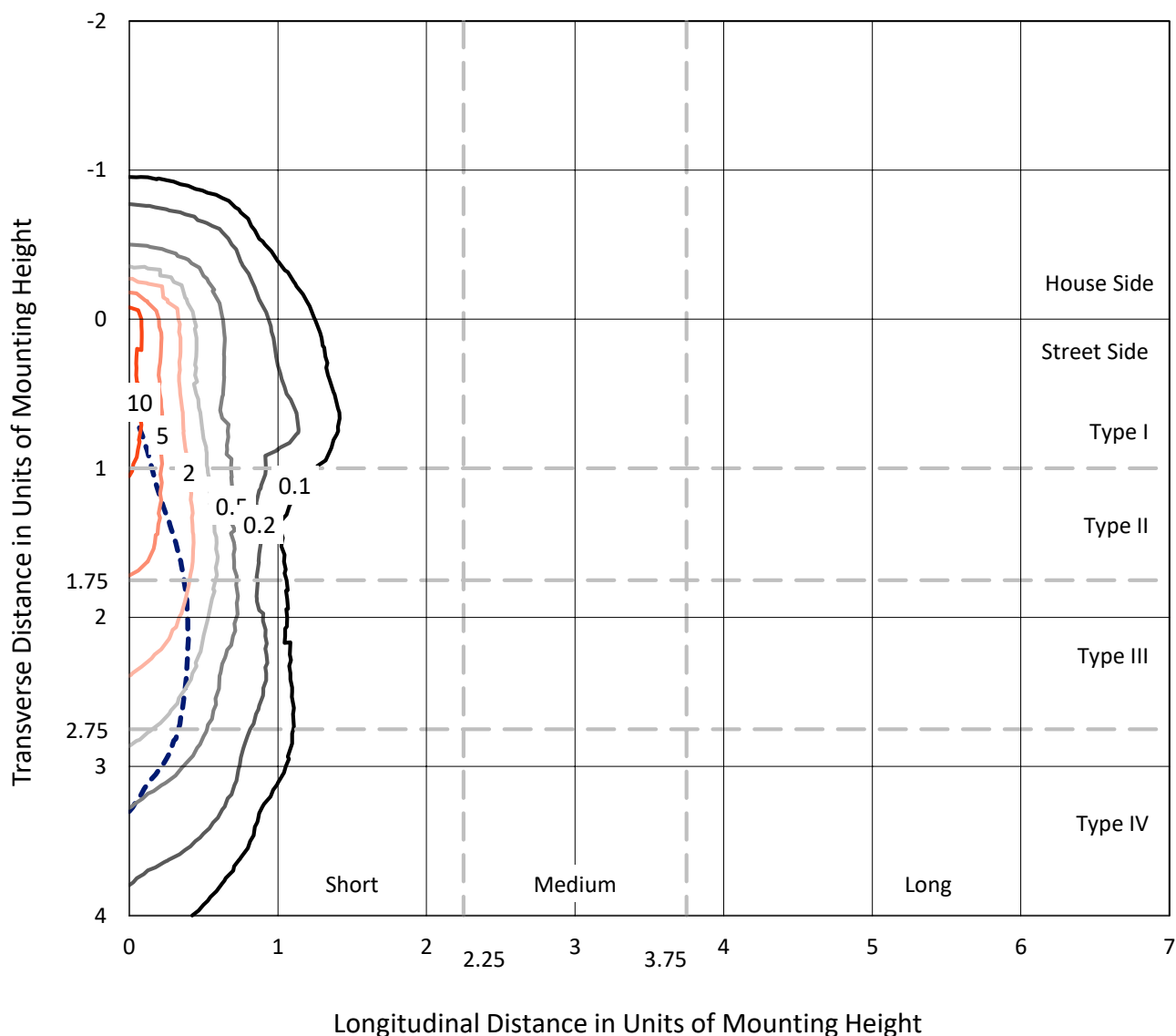
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

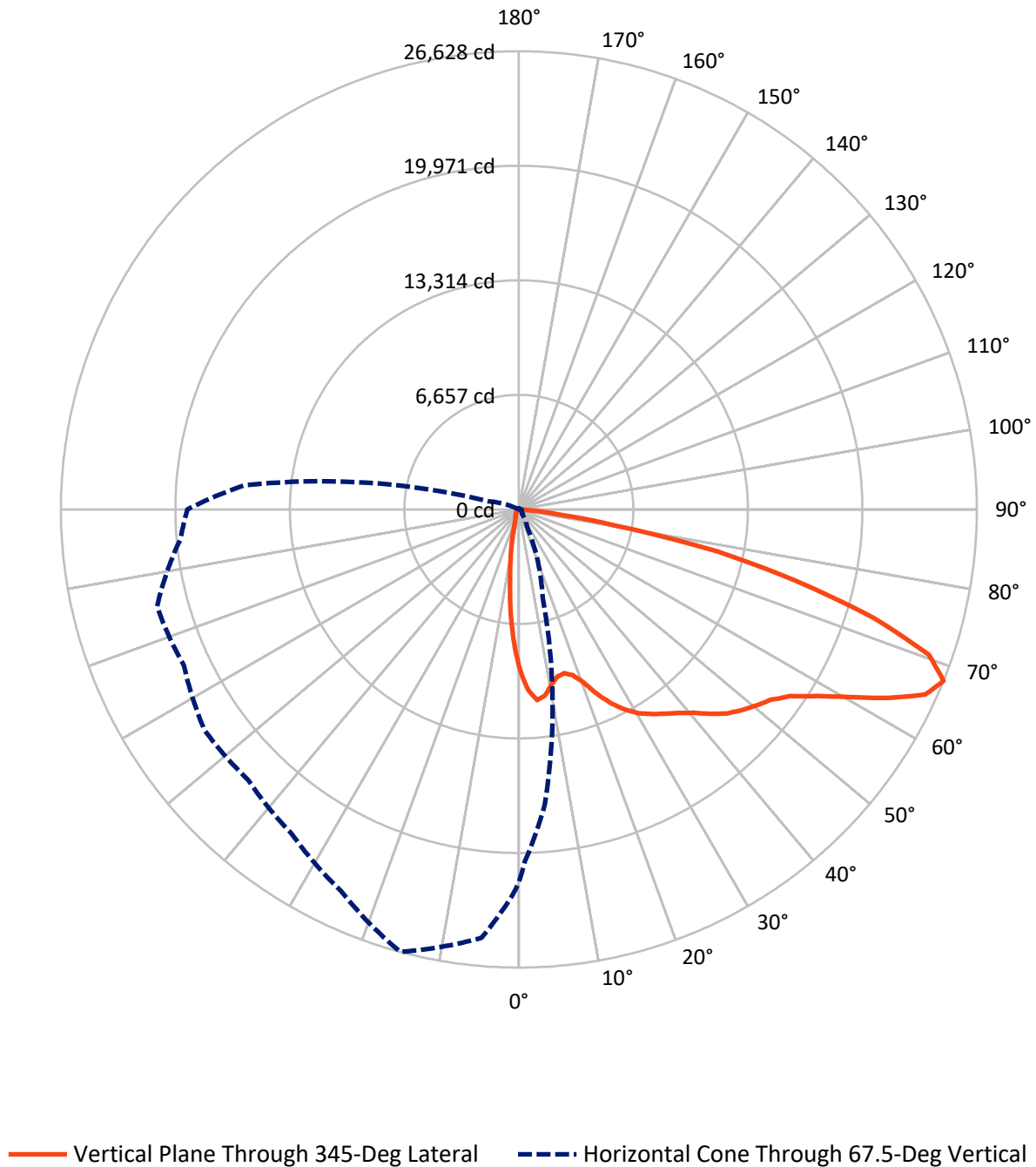
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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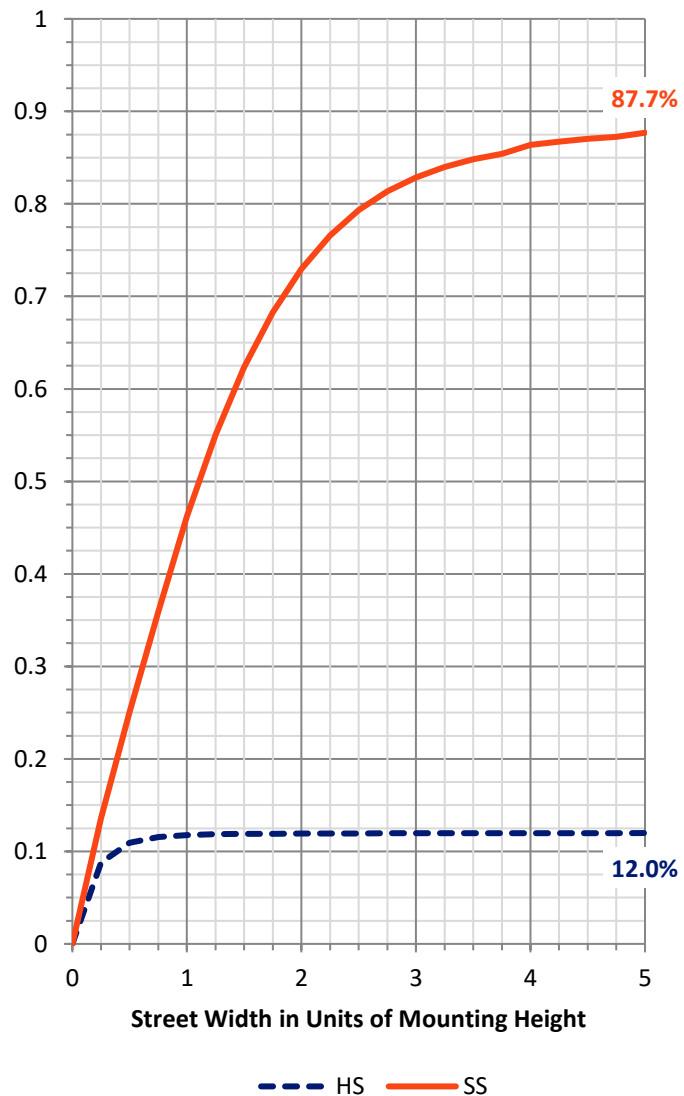
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3482.1	0.0	3482.1
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	25287.9	0.0	25287.9
	% Fixture	87.9	0.0	87.9
Total	Lumens	28770.0	0.0	28770.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	719.3	2.5
10°-20°	1431.7	5.0
20°-30°	2033.0	7.1
30°-40°	3002.9	10.4
40°-50°	4330.8	15.1
50°-60°	6079.6	21.1
60°-70°	7087.0	24.6
70°-80°	3623.0	12.6
80°-90°	462.7	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°	28770.0	100.0
0°-180°	28770.0	100.0

Coefficient of Utilization



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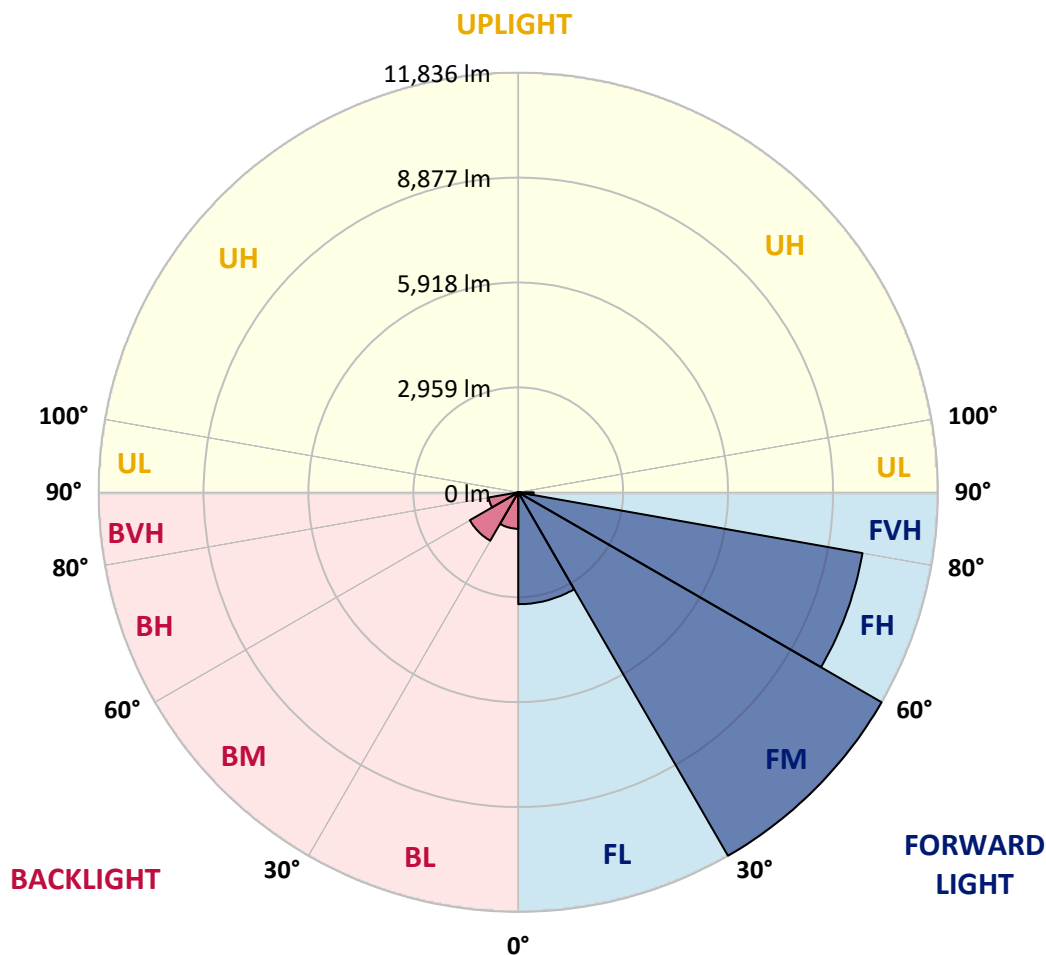
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3155.5	11.0			
FM	(30°-60°)	11836.5	41.1			
FH	(60°-80°)	9861.3	34.3			G4/12000
FVH	(80°-90°)	434.6	1.5			G3/500
BL	(0°-30°)	1028.5	3.6	B3/2500		
BM	(30°-60°)	1576.8	5.5	B2/2500		
BH	(60°-80°)	848.7	2.9	B2/1000		G2/1000
BVH	(80°-90°)	28.1	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8
2.5°	10261.8	10182.7	10095.5	9810.7	9546.2	9243.7	8997.0	8825.2	8609.9	8330.5	8259.6
5°	10188.2	10103.7	9829.7	9196.0	8641.2	8101.5	7580.8	7275.5	6896.6	6512.3	6416.9
7.5°	9448.1	9359.5	8964.2	8096.0	7349.1	6569.5	5893.5	5475.0	5047.1	4695.4	4508.7
10°	8678.0	8581.3	8136.9	7083.3	6163.3	5458.7	4962.6	4563.2	4158.4	3782.2	3482.4
12.5°	8147.8	8021.1	7538.6	6344.6	5543.2	5064.8	4601.4	4123.0	3575.1	3171.6	2841.8
15°	7925.7	7781.2	7271.4	6059.8	5323.8	4762.2	4158.4	3571.0	2929.0	2467.0	2164.4
17.5°	8097.4	7909.3	7362.8	6040.7	5048.4	4283.8	3520.5	2830.9	2134.4	1666.9	1451.6
20°	8680.7	8434.1	7740.3	6035.2	4714.5	3715.5	2747.7	1968.1	1406.6	1131.3	1018.1
22.5°	9599.4	9273.6	8282.8	6078.8	4369.7	3118.5	1984.5	1337.1	1056.3	913.2	846.4
25°	10708.8	10331.3	9063.7	6232.9	4067.1	2537.8	1442.0	1056.3	891.4	786.4	730.6
27.5°	11763.8	11457.1	10050.5	6455.0	3832.7	2069.0	1170.8	895.5	761.9	692.4	647.4
30°	12817.4	12431.6	11063.2	6719.4	3550.5	1751.4	1029.0	816.4	682.8	609.2	580.6
32.5°	13583.3	13263.1	11856.5	6910.3	3249.3	1544.2	920.0	746.9	637.9	562.9	520.7
35°	14484.3	14121.7	12536.6	6952.5	3055.8	1413.4	827.3	671.9	553.4	486.6	441.6
37.5°	15457.4	15006.3	13321.7	6859.8	2904.5	1349.3	757.8	637.9	516.6	448.4	400.7
40°	16534.2	16024.4	14075.4	6726.3	2755.9	1327.5	704.7	612.0	487.9	418.4	369.4
42.5°	17668.2	17067.1	14728.2	6585.9	2661.9	1252.6	699.2	586.1	466.1	391.2	342.1
45°	18620.9	18011.6	15398.8	6539.5	2595.1	1170.8	722.4	568.4	451.1	369.4	321.7
47.5°	19380.1	18803.5	16085.8	6643.1	2556.9	1095.8	658.3	591.5	443.0	350.3	303.9
50°	20286.4	19633.6	17053.5	6952.5	2501.0	1020.9	595.6	677.4	443.0	338.0	288.9
52.5°	21423.1	20777.1	18132.9	7432.3	2389.3	917.3	535.6	678.8	447.1	321.7	269.9
55°	22852.9	22384.0	19674.5	7958.4	2210.7	764.6	463.4	583.4	430.7	291.7	252.1
57.5°	24224.0	23841.1	21079.7	8318.2	1972.2	597.0	403.4	470.2	393.9	256.2	224.9
59°	24598.9	24180.4	21594.9	8334.6	1793.7	520.7	373.5	388.4	385.7	239.9	208.5
60°	24598.9	24154.5	21743.4	8247.3	1664.2	478.4	354.4	346.2	402.1	229.0	199.0
62.5°	24153.2	23528.9	21261.0	7657.2	1357.5	407.5	309.4	286.2	361.2	205.8	175.8
65°	23226.4	22317.3	19617.2	6590.0	1210.3	373.5	267.1	234.4	250.8	181.3	154.0
67.5°	21680.7	20448.6	17247.0	5323.8	1151.7	363.9	230.3	199.0	189.5	155.4	134.9
70°	18958.9	17591.8	14369.8	4185.7	1101.3	359.8	193.5	167.6	152.7	130.8	114.5
72.5°	13798.7	12373.0	10201.8	3272.5	1071.3	368.0	155.4	140.4	125.4	102.2	88.6
75°	7893.0	6959.3	5734.0	2161.7	913.2	351.6	119.9	117.2	90.0	73.6	61.3
77.5°	4078.0	3954.0	3436.0	830.0	437.5	154.0	79.1	68.1	53.2	45.0	36.8
80°	1759.6	1740.5	1506.1	239.9	115.9	85.9	45.0	28.6	24.5	19.1	15.0
82.5°	607.9	607.9	535.6	80.4	51.8	42.3	5.5	0.0	0.0	0.0	0.0
85°	122.7	137.7	96.8	0.0	17.7	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°	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8
2.5°	8173.7	8008.8	7997.9	7894.3	7764.8	7706.2	7672.2	7732.1	7805.7	7813.9	7924.3
5°	6344.6	6171.5	6243.8	6059.8	6096.6	6059.8	5999.8	6010.7	6043.4	5941.2	6067.9
7.5°	4455.5	4324.7	4407.8	4358.8	4424.2	4450.1	4413.3	4358.8	4197.9	4178.9	4289.3
10°	3358.4	3209.8	3121.2	3028.5	3049.0	3091.2	3077.6	3038.1	2935.8	2941.3	3047.6
12.5°	2698.7	2532.4	2356.6	2129.0	2073.1	2104.4	2073.1	2049.9	1951.8	1959.9	2054.0
15°	2047.2	1910.9	1726.9	1544.2	1444.7	1454.3	1367.1	1305.7	1244.4	1170.8	1228.0
17.5°	1382.1	1298.9	1244.4	1189.9	1071.3	1044.0	933.6	815.1	768.7	734.6	759.2
20°	978.6	933.6	911.8	909.1	841.0	806.9	699.2	625.6	602.4	595.6	610.6
22.5°	817.8	785.1	753.7	736.0	701.9	662.4	580.6	543.8	527.5	519.3	530.2
25°	711.5	686.9	654.2	624.2	610.6	568.4	509.8	482.5	471.6	463.4	468.9
27.5°	632.4	610.6	572.4	553.4	542.5	505.7	455.2	433.4	423.9	421.2	419.8
30°	569.7	549.3	513.8	492.0	473.0	440.2	410.3	388.4	378.9	376.2	373.5
32.5°	507.0	490.7	467.5	445.7	425.2	395.3	369.4	351.6	336.7	333.9	332.6
35°	428.0	411.6	399.3	398.0	378.9	350.3	331.2	308.0	295.8	291.7	293.0
37.5°	380.3	358.5	331.2	340.7	335.3	314.8	288.9	265.8	253.5	250.8	250.8
40°	350.3	327.1	295.8	279.4	295.8	291.7	250.8	227.6	215.3	214.0	211.3
42.5°	321.7	298.5	263.1	235.8	244.0	256.2	216.7	194.9	182.6	179.9	175.8
45°	301.2	276.7	237.2	205.8	189.5	215.3	185.4	158.1	151.3	145.8	143.1
47.5°	282.1	259.0	214.0	178.5	151.3	155.4	148.6	129.5	121.3	115.9	114.5
50°	265.8	241.2	193.5	152.7	125.4	114.5	119.9	102.2	95.4	90.0	87.2
52.5°	246.7	223.5	171.7	132.2	104.9	90.0	91.3	80.4	73.6	69.5	68.1
55°	231.7	208.5	154.0	115.9	92.7	73.6	65.4	62.7	58.6	55.9	54.5
57.5°	211.3	189.5	136.3	98.1	79.1	60.0	50.4	50.4	49.1	46.3	45.0
59°	199.0	179.9	125.4	88.6	72.2	51.8	45.0	46.3	45.0	42.3	40.9
60°	189.5	171.7	117.2	81.8	68.1	47.7	40.9	43.6	42.3	39.5	38.2
62.5°	167.6	155.4	100.9	68.1	60.0	38.2	34.1	36.8	36.8	35.4	34.1
65°	147.2	133.6	85.9	57.2	55.9	32.7	27.3	32.7	34.1	31.3	28.6
67.5°	128.1	114.5	75.0	46.3	51.8	25.9	20.4	27.3	36.8	28.6	25.9
70°	109.0	95.4	58.6	36.8	54.5	17.7	16.4	24.5	43.6	31.3	24.5
72.5°	84.5	73.6	40.9	27.3	58.6	12.3	12.3	20.4	49.1	34.1	23.2
75°	58.6	47.7	24.5	16.4	47.7	8.2	8.2	19.1	46.3	31.3	21.8
77.5°	34.1	25.9	8.2	1.4	24.5	0.0	1.4	13.6	32.7	19.1	9.5
80°	12.3	5.5	0.0	0.0	15.0	0.0	0.0	0.0	2.7	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°	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8
2.5°	7952.9	8136.9	8301.8	8551.3	8847.0	9187.8	9480.8	9795.7	10091.4	10214.1	10298.6
5°	6093.8	6321.4	6587.2	6953.9	7441.8	8042.9	8605.8	9242.3	9926.5	10268.6	10590.3
7.5°	4308.3	4540.0	4869.9	5259.7	5849.9	6565.4	7301.4	8180.5	9107.4	9648.5	10181.4
10°	3098.0	3382.9	3690.9	4223.8	4823.5	5502.3	6260.1	7241.5	8274.6	8874.3	9516.2
12.5°	2108.5	2432.9	2899.0	3496.0	4200.7	4865.8	5524.1	6460.5	7659.9	8254.1	8942.4
15°	1264.8	1444.7	1938.1	2629.2	3493.3	4322.0	5043.0	5982.1	7260.5	7988.4	8703.9
17.5°	779.6	862.8	1131.3	1698.3	2606.0	3654.1	4642.3	5819.9	7317.8	8203.7	8969.7
20°	621.5	654.2	740.1	1003.1	1726.9	2918.1	4191.1	5787.2	7785.3	8875.7	9697.5
22.5°	539.7	571.1	628.3	729.2	1086.3	2184.8	3763.2	5817.2	8455.9	9882.9	10842.4
25°	475.7	502.9	557.5	640.6	796.0	1538.8	3305.2	5950.7	9329.5	11132.7	12152.2
27.5°	425.2	448.4	498.8	575.2	682.8	1074.0	2785.9	6112.9	10365.4	12411.2	13417.1
30°	378.9	399.3	444.3	515.2	592.9	826.0	2216.2	6223.3	11402.6	13417.1	14320.7
32.5°	339.4	354.4	395.3	455.2	515.2	658.3	1684.6	6205.6	12172.7	14253.9	14970.9
35°	298.5	313.5	348.9	400.7	448.4	543.8	1324.8	5874.4	12843.3	15122.1	15715.0
37.5°	253.5	272.6	306.7	353.0	385.7	478.4	1071.3	5475.0	13523.4	16114.4	16545.1
40°	215.3	234.4	264.4	314.8	335.3	453.9	823.2	4988.5	14288.0	17223.8	17455.5
42.5°	178.5	196.3	227.6	271.2	316.2	391.2	609.2	4432.4	15022.6	18172.5	18285.6
45°	144.5	162.2	194.9	238.5	338.0	324.4	471.6	3836.8	15615.5	18961.6	18998.4
47.5°	114.5	130.8	164.9	224.9	314.8	259.0	336.7	3369.3	16113.0	19577.7	19480.9
50°	88.6	102.2	137.7	257.6	275.3	214.0	254.9	3213.9	16558.7	19959.3	19708.5
52.5°	69.5	81.8	113.1	241.2	214.0	177.2	214.0	3359.7	17169.3	20275.5	19836.6
55°	55.9	68.1	88.6	137.7	145.8	149.9	182.6	3496.0	18222.9	21017.0	20593.1
57.5°	46.3	58.6	72.2	96.8	110.4	126.8	162.2	3511.0	19464.6	22249.1	21848.4
59°	42.3	53.2	65.4	85.9	96.8	115.9	152.7	3429.2	19902.1	22697.5	22497.2
60°	39.5	50.4	61.3	79.1	90.0	109.0	147.2	3351.5	19921.2	22681.2	22773.8
62.5°	34.1	45.0	54.5	66.8	76.3	92.7	132.2	3064.0	19114.3	21938.3	22607.6
65°	30.0	39.5	49.1	57.2	65.4	83.1	119.9	2539.2	17736.3	20740.3	21469.5
67.5°	27.3	34.1	45.0	50.4	58.6	73.6	106.3	1810.0	16014.9	19275.1	19748.1
70°	24.5	32.7	40.9	46.3	53.2	64.1	91.3	1039.9	13523.4	17129.8	17466.4
72.5°	23.2	31.3	36.8	43.6	47.7	57.2	83.1	489.3	9902.0	13722.4	14601.5
75°	20.4	28.6	34.1	40.9	45.0	51.8	70.9	234.4	6585.9	9930.6	10929.6
77.5°	12.3	23.2	31.3	36.8	39.5	45.0	58.6	134.9	4203.4	6873.5	8096.0
80°	0.0	8.2	23.2	31.3	34.1	38.2	45.0	106.3	2248.9	3926.7	4713.1
82.5°	0.0	0.0	16.4	24.5	23.2	25.9	34.1	66.8	1014.0	2566.5	2892.2
85°	0.0	0.0	5.5	19.1	16.4	12.3	23.2	23.2	222.2	1298.9	1620.6
87.5°	0.0	0.0	0.0	1.4	8.2	5.5	9.5	2.7	1.4	96.8	392.5
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-SA6D-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8	9371.8
2.5°	10594.4	10695.2	10865.6	10946.0	10906.5	10738.8	10538.5	10334.0	10214.1	10261.8
5°	11245.9	11765.1	12065.0	12164.5	11998.2	11622.0	11130.0	10481.2	10250.9	10188.2
7.5°	11245.9	12223.1	12841.9	12950.9	12580.2	11842.8	10920.1	9907.4	9570.8	9448.1
10°	10850.6	12180.9	13043.6	13216.7	12698.8	11596.1	10359.9	9204.1	8804.8	8678.0
12.5°	10404.9	11837.4	12746.5	12985.0	12559.8	11350.8	9971.5	8728.5	8258.2	8147.8
15°	10130.9	11414.9	12167.2	12340.3	12160.4	11207.7	9878.8	8585.3	8032.0	7925.7
17.5°	10229.1	11087.8	11359.0	11459.8	11581.1	11157.3	10130.9	8898.8	8198.3	8097.4
20°	10598.4	10742.9	10602.5	10729.3	11056.4	11206.3	10732.0	9656.6	8815.7	8680.7
22.5°	11225.4	10564.4	10170.5	10220.9	10618.9	11368.5	11650.7	10738.8	9768.4	9599.4
25°	11956.0	10708.8	9930.6	9885.6	10294.5	11582.5	12490.2	11916.4	10895.6	10708.8
27.5°	12874.6	11033.2	9881.5	9836.5	10181.4	11782.9	13188.1	13080.4	12082.7	11763.8
30°	13583.3	11352.2	10027.4	9923.8	10294.5	11921.9	13748.3	14068.6	13028.6	12817.4
32.5°	14091.7	11728.3	10264.5	10114.6	10613.4	12161.8	14180.3	14973.6	13903.6	13583.3
35°	14478.8	12137.2	10647.5	10400.8	11052.3	12525.7	14585.1	15937.2	14834.6	14484.3
37.5°	14841.4	12711.0	11245.9	10951.5	11740.6	13111.8	15013.1	17030.3	15875.9	15457.4
40°	15347.0	13361.2	12168.6	11906.9	12897.8	13910.5	15547.4	18169.7	17060.3	16534.2
42.5°	15852.7	14059.0	13113.1	13184.0	14341.2	14880.9	16237.0	19374.6	18229.7	17668.2
45°	16314.7	14778.7	14458.4	14785.5	15681.0	15945.4	16922.6	20071.1	19163.3	18620.9
47.5°	16726.4	15678.2	15795.4	16666.4	17204.8	16909.0	17435.1	20672.1	19858.5	19380.1
50°	17204.8	16842.2	17557.8	18789.9	18958.9	17781.3	17901.2	21383.6	20670.8	20286.4
52.5°	17728.1	18068.9	19509.5	20595.8	20541.3	18728.6	18370.1	22181.0	21784.3	21423.1
55°	18322.4	19059.8	21228.2	22285.9	22239.6	19786.2	19147.0	23166.4	23180.0	22852.9
57.5°	19204.2	19913.0	22394.9	23653.0	23730.7	21007.4	20463.6	24270.4	24442.1	24224.0
59°	19836.6	20466.3	22857.0	24224.0	24540.3	21952.0	21425.9	24911.0	24797.9	24598.9
60°	20305.5	20818.0	23086.0	24522.5	25010.5	22592.6	22136.0	25287.2	24840.1	24598.9
62.5°	21465.4	21584.0	23498.9	24860.6	25551.6	24015.5	24134.1	25927.8	24547.1	24153.2
65°	22006.5	22067.8	23493.5	24255.4	25028.2	25123.6	25946.8	25946.8	23831.5	23226.4
67.5°	21780.2	21484.5	22328.2	22249.1	23020.5	24465.3	26628.3	24995.5	22463.1	21680.7
70°	19940.2	18802.2	18427.3	18461.4	19051.6	21280.0	25279.0	22195.9	19873.4	18958.9
72.5°	16591.4	13861.4	12935.9	13992.2	14146.3	16354.3	21543.1	16715.5	14656.0	13798.7
75°	13344.8	9771.1	8266.4	9381.3	9643.0	11968.2	16665.0	10410.4	8560.8	7893.0
77.5°	9587.1	7013.8	5931.6	5854.0	6192.0	7590.4	11825.1	5239.3	4369.7	4078.0
80°	5446.4	4616.4	4970.7	4690.0	4860.3	4745.9	5618.2	2298.0	1882.3	1759.6
82.5°	3287.5	2728.7	2954.9	2460.2	3113.0	2710.9	2164.4	736.0	639.2	607.9
85°	2138.5	1491.1	776.9	520.7	1072.7	1732.3	483.9	200.4	154.0	122.7
87.5°	737.4	380.3	38.2	16.4	114.5	323.0	17.7	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)