

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: P319360

Luminaire Tested: **GAN-SA6B-740-U-SL2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319360  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6B-740-U-SL2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33484 lumens  
Efficiency: N/A  
Efficacy: 134.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

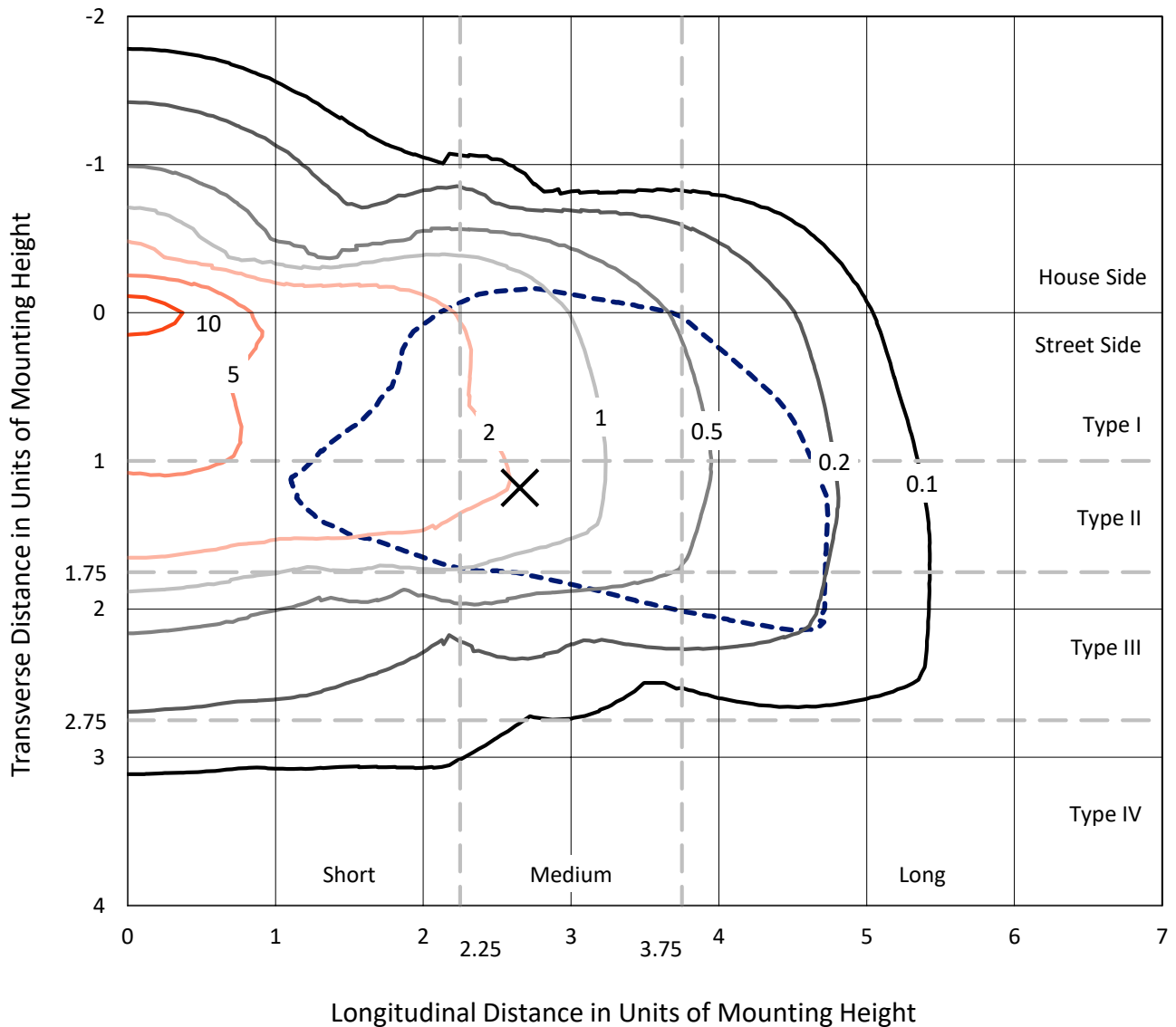
Input Watts (W): 249  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P319360  
 CATALOG NUMBER: GAN-SA6B-740-U-SL2

### Iso-Footcandle Lines of Horizontal Illumination

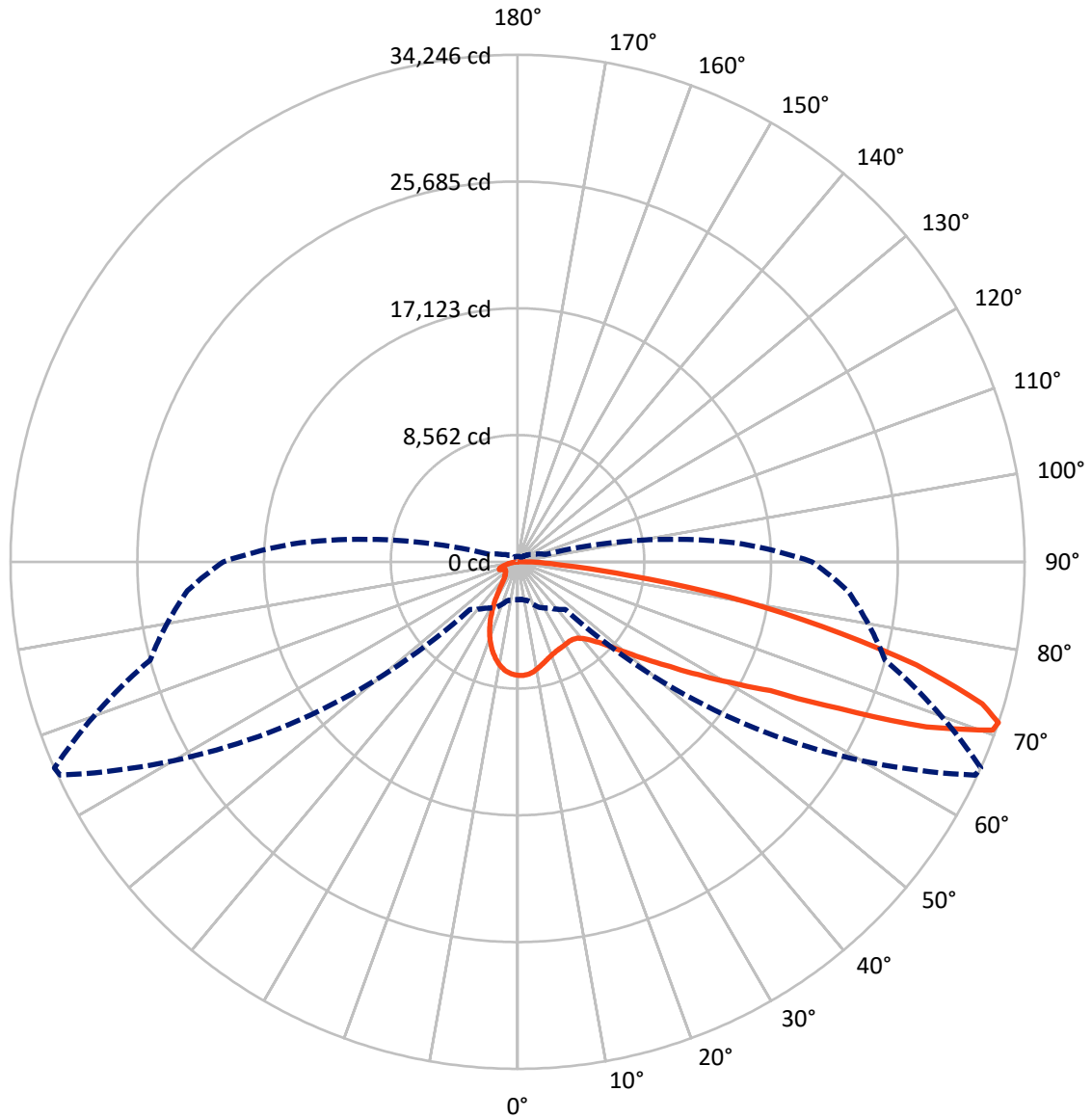
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc  
 Type III - Medium - N/A

REPORT NUMBER: P319360  
CATALOG NUMBER: GAN-SA6B-740-U-SL2

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P319360  
 CATALOG NUMBER: GAN-SA6B-740-U-SL2

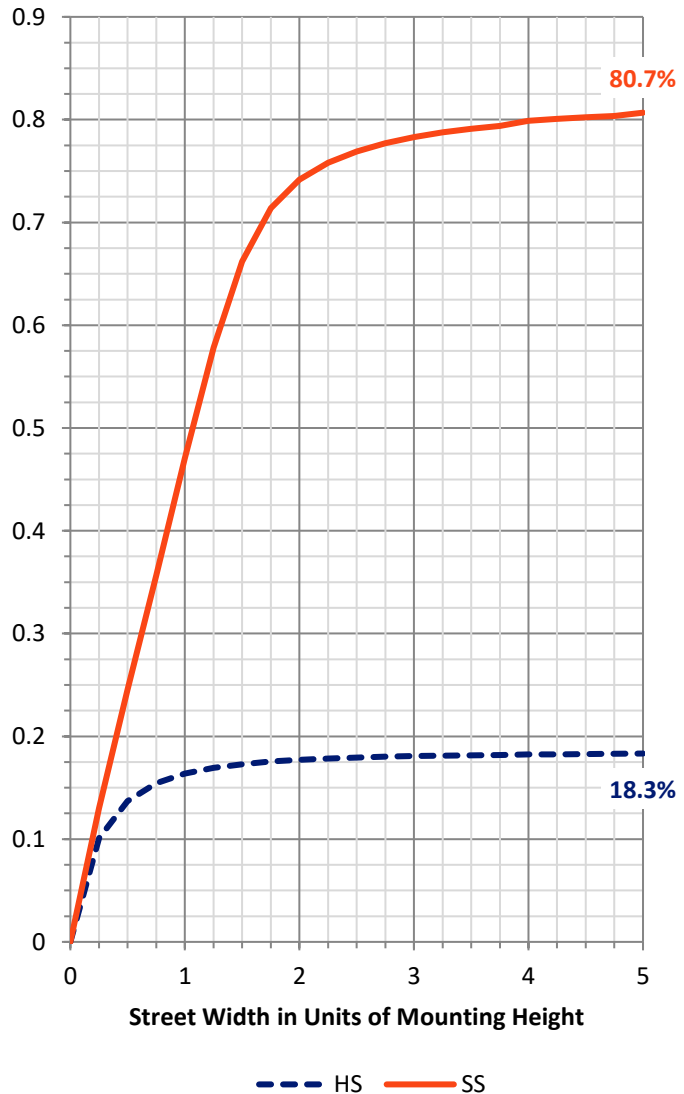
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6205.5	0.0	6205.5
	% Fixture	18.5	0.0	18.5
<b>Street Side</b>	Lumens	27278.5	0.0	27278.5
	% Fixture	81.5	0.0	81.5
<b>Total</b>	Lumens	33484.0	0.0	33484.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	675.2	2.0
10°-20°	1619.4	4.8
20°-30°	2175.3	6.5
30°-40°	2861.5	8.5
40°-50°	4162.7	12.4
50°-60°	6502.7	19.4
60°-70°	8145.6	24.3
70°-80°	6213.3	18.6
80°-90°	1128.3	3.4
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°	33484.0	100.0
0°-180°	33484.0	100.0

**Coefficient of Utilization**

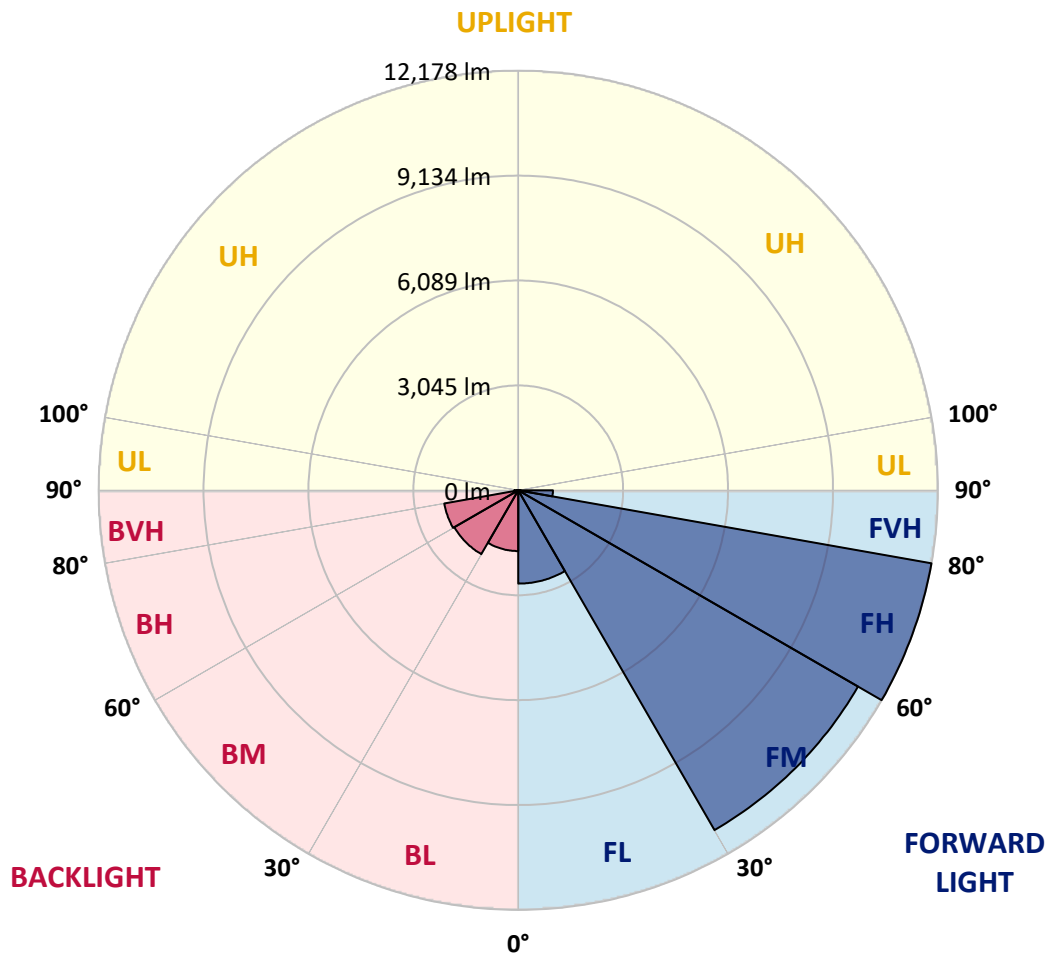


REPORT NUMBER: P319360  
 CATALOG NUMBER: GAN-SA6B-740-U-SL2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2707.6	8.1			
FM (30°-60°)	11386.2	34.0			
FH (60°-80°)	12178.5	36.4			G5
FVH (80°-90°)	1006.1	3.0			G5
BL (0°-30°)	1762.2	5.3	B3/2500		
BM (30°-60°)	2140.7	6.4	B2/2500		
BH (60°-80°)	2180.5	6.5	B3/2500		G3/2500
BVH (80°-90°)	122.1	0.4			G2/225
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





REPORT NUMBER: P319360

CATALOG NUMBER: GAN-SA6B-740-U-SL2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	7670.5	7670.5	7670.5	7670.5	7670.5	7670.5	7670.5	7670.5	7670.5	7670.5	7670.5
2.5°	7528.3	7516.8	7551.5	7587.3	7601.2	7624.3	7659.0	7678.6	7677.5	7680.9	7669.4
5°	7028.9	7013.9	7083.3	7139.9	7248.6	7371.1	7520.2	7626.6	7628.9	7689.0	7705.2
7.5°	6556.1	6545.7	6625.4	6716.8	6842.8	7030.1	7271.7	7500.6	7514.5	7677.5	7734.1
10°	6176.9	6174.6	6252.0	6351.5	6498.3	6707.5	6985.0	7320.2	7341.1	7622.0	7738.7
12.5°	5880.9	5885.6	5952.6	6065.9	6220.8	6439.3	6739.9	7117.9	7151.5	7534.1	7712.2
15°	5662.4	5680.9	5735.3	5849.7	6002.3	6224.3	6533.0	6930.7	6981.5	7435.9	7697.1
17.5°	5537.6	5558.4	5596.5	5691.3	5834.7	6048.6	6341.1	6776.9	6823.1	7360.7	7698.3
20°	5500.6	5517.9	5539.9	5597.7	5719.1	5913.3	6189.6	6638.2	6687.9	7300.6	7709.8
22.5°	5573.4	5586.1	5588.5	5583.8	5657.8	5816.2	6079.8	6536.4	6589.6	7261.3	7717.9
25°	5729.5	5746.8	5734.1	5691.3	5667.1	5764.2	6023.1	6469.4	6522.6	7232.4	7701.8
27.5°	5964.2	5966.5	5956.1	5900.6	5786.1	5770.0	6005.8	6430.1	6480.9	7198.9	7668.2
30°	6283.3	6298.3	6279.8	6204.6	6017.4	5862.4	6026.6	6391.9	6438.2	7156.1	7613.9
32.5°	6656.7	6693.7	6692.5	6613.9	6345.7	6069.4	6112.2	6368.8	6404.6	7111.0	7548.0
35°	7043.9	7094.8	7189.6	7156.1	6824.3	6396.5	6276.3	6405.8	6430.1	7105.2	7501.7
37.5°	7446.3	7497.1	7692.5	7782.7	7394.2	6864.8	6535.3	6536.4	6548.0	7175.7	7498.3
40°	7867.1	7921.4	8215.0	8449.7	8133.0	7457.8	6952.6	6809.3	6796.5	7349.1	7566.5
42.5°	8456.7	8505.2	8857.8	9157.2	8952.6	8217.4	7529.5	7230.1	7203.5	7689.0	7785.0
45°	9202.3	9243.9	9618.5	9938.7	9833.5	9084.4	8254.4	7809.3	7804.6	8255.5	8227.8
47.5°	10089.0	10121.4	10457.8	10767.7	10805.8	10082.1	9165.3	8702.9	8627.8	9032.4	8913.3
50°	11012.7	11048.6	11277.5	11610.4	11893.7	11417.4	10337.6	9797.7	9697.1	10057.8	9884.4
52.5°	11624.3	11671.7	11870.5	12292.5	13116.8	12881.0	11723.7	11124.9	10972.3	11300.6	11167.7
55°	11351.5	11457.8	11761.9	12438.2	14094.8	15116.8	13433.6	12672.9	12500.6	12773.4	12694.8
57.5°	10111.0	10256.7	10671.7	11715.6	14232.4	17086.7	16018.5	14496.0	14374.6	14296.0	14331.8
60°	7843.9	7983.8	8498.3	9859.0	13274.0	18524.9	19908.7	16743.4	16567.7	15824.3	15856.7
62.5°	5551.5	5480.9	5833.5	6828.9	10786.1	18693.7	24335.3	19749.2	19171.1	17438.2	17296.0
65°	4233.5	4217.3	4375.7	4692.5	6533.0	16674.0	26972.3	24801.2	23898.3	19336.5	19001.2
67.5°	3478.6	3449.7	3605.8	4067.1	4206.9	10757.2	27030.1	30662.5	29775.8	21699.5	20973.5
70°	2860.1	2827.8	2973.4	3568.8	3887.9	5455.5	22749.2	34094.9	34047.5	24691.4	22462.5
71°	2564.2	2541.0	2715.6	3376.9	3819.7	4546.8	19641.7	34104.1	34246.3	25704.1	22374.6
72.5°	2087.9	2096.0	2280.9	3005.8	3768.8	4015.0	14435.9	32514.5	32815.1	26669.4	21575.8
75°	1387.3	1394.2	1637.0	2312.1	3654.3	3928.3	7934.1	27283.3	27835.9	26091.4	19687.9
77.5°	931.8	929.5	1094.8	1586.1	3183.8	3928.3	4652.0	20405.8	21012.8	20760.7	15178.1
80°	641.6	637.0	753.8	1094.8	2410.4	3975.7	3596.5	14300.6	14484.4	11211.6	6168.8
82.5°	393.1	396.5	492.5	773.4	1640.5	3578.0	3395.4	7797.7	7597.7	3144.5	1541.0
85°	225.4	224.3	314.5	523.7	1053.2	3019.7	3311.0	3356.1	3078.6	946.8	557.2
87.5°	80.9	86.7	168.8	290.2	603.5	2102.9	2809.3	1745.7	1573.4	427.7	252.0
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: P319360  
 CATALOG NUMBER: GAN-SA6B-740-U-SL2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7670.5	7670.5	7670.5	7670.5	7670.5	7670.5	7670.5	7670.5	7670.5	7670.5	7670.5
2.5°	7661.3	7668.2	7660.1	7613.9	7574.6	7511.0	7475.2	7425.4	7410.4	7403.5	7422.0
5°	7690.2	7692.5	7624.3	7502.9	7366.5	7205.8	7090.2	6948.0	6880.9	6852.0	6870.5
7.5°	7716.8	7706.4	7557.2	7324.9	7072.8	6793.1	6544.5	6316.8	6183.8	6129.5	6134.1
10°	7720.2	7676.3	7437.0	7077.5	6686.7	6276.3	5894.8	5543.4	5321.4	5176.9	5220.8
12.5°	7684.4	7610.4	7260.1	6757.2	6215.0	5655.5	5139.9	4612.7	4296.0	4149.1	4153.8
15°	7656.7	7522.6	7042.8	6380.4	5652.0	4911.0	4206.9	3587.3	3249.7	3099.4	3028.9
17.5°	7633.5	7427.8	6790.8	5956.1	4987.3	4047.4	3201.2	2648.6	2463.6	2419.7	2401.2
20°	7601.2	7327.2	6509.8	5464.8	4230.1	3080.9	2337.6	2064.7	2065.9	2116.8	2123.7
22.5°	7556.1	7212.7	6210.4	4913.3	3417.3	2243.9	1832.4	1753.8	1833.5	1930.6	1948.0
25°	7489.0	7077.5	5877.5	4304.1	2605.8	1724.9	1565.3	1561.9	1659.0	1760.7	1775.7
27.5°	7394.2	6900.6	5507.5	3649.7	1920.2	1465.9	1402.3	1426.6	1498.3	1572.3	1578.0
30°	7267.1	6694.8	5099.4	2959.5	1505.2	1305.2	1298.3	1320.2	1364.2	1416.2	1420.8
32.5°	7127.2	6485.6	4663.6	2291.3	1289.0	1218.5	1225.4	1235.8	1256.7	1277.5	1282.1
35°	7000.0	6271.7	4217.3	1741.0	1186.1	1161.9	1157.2	1154.9	1157.2	1150.3	1151.4
37.5°	6917.9	6094.8	3752.6	1386.1	1127.2	1112.1	1098.3	1080.9	1061.3	1049.7	1052.0
40°	6887.9	5963.0	3282.1	1197.7	1078.6	1068.2	1041.6	1004.6	981.5	974.6	974.6
42.5°	6968.8	5894.8	2827.8	1102.9	1038.2	1020.8	976.9	934.1	916.8	915.6	914.5
45°	7216.2	5922.6	2395.4	1050.9	1001.2	967.6	909.8	874.0	862.4	864.7	863.6
47.5°	7660.1	6097.1	2025.4	1016.2	964.2	920.2	855.5	826.6	812.7	812.7	813.9
50°	8415.0	6505.2	1730.6	987.3	932.9	876.3	816.2	780.3	761.9	760.7	760.7
52.5°	9514.5	7235.9	1546.8	963.0	898.3	837.0	776.9	731.8	709.8	705.2	702.9
55°	10892.5	8283.3	1496.0	946.8	852.0	794.2	729.5	684.4	660.1	649.7	648.6
57.5°	12433.6	9557.2	1596.5	927.2	804.6	743.4	677.5	634.7	609.2	596.5	595.4
60°	13993.1	10948.0	2006.9	899.4	765.3	687.9	624.3	585.0	559.5	545.7	543.4
62.5°	15554.9	12413.9	2845.1	897.1	737.6	634.7	569.9	536.4	512.1	497.1	493.6
65°	17316.8	14018.5	3797.7	958.4	728.3	586.1	514.5	487.9	467.1	453.2	452.0
67.5°	19339.9	15830.1	3706.4	1084.4	759.5	542.2	462.4	441.6	426.6	415.0	413.9
70°	20289.1	15546.9	2304.1	1173.4	803.5	499.4	412.7	397.7	386.1	378.0	374.6
71°	19891.4	14761.9	1931.8	1163.0	798.8	480.9	393.1	381.5	369.9	363.0	359.5
72.5°	18807.0	13462.5	1611.6	1082.1	746.8	447.4	367.6	356.1	345.7	337.6	335.3
75°	16876.3	12023.1	1290.2	864.7	595.4	378.0	322.5	309.8	301.7	297.1	292.5
77.5°	12405.8	8580.4	997.7	683.2	438.2	308.7	275.1	265.9	257.8	250.9	247.4
80°	4752.6	3323.7	671.7	509.8	321.4	243.9	222.0	217.3	209.2	204.6	204.6
82.5°	1279.8	993.1	358.4	308.7	215.0	178.0	169.9	167.6	160.7	151.4	152.6
85°	517.9	438.2	201.2	169.9	131.8	105.2	114.5	115.6	107.5	96.0	97.1
87.5°	227.7	186.1	112.1	75.1	57.8	40.5	52.0	52.0	47.4	39.3	35.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)