

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: McGRAW-EDISON

Report Number: P531537

Luminaire Tested: **GALN-SA6D-750-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531537
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6D-750-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25360 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

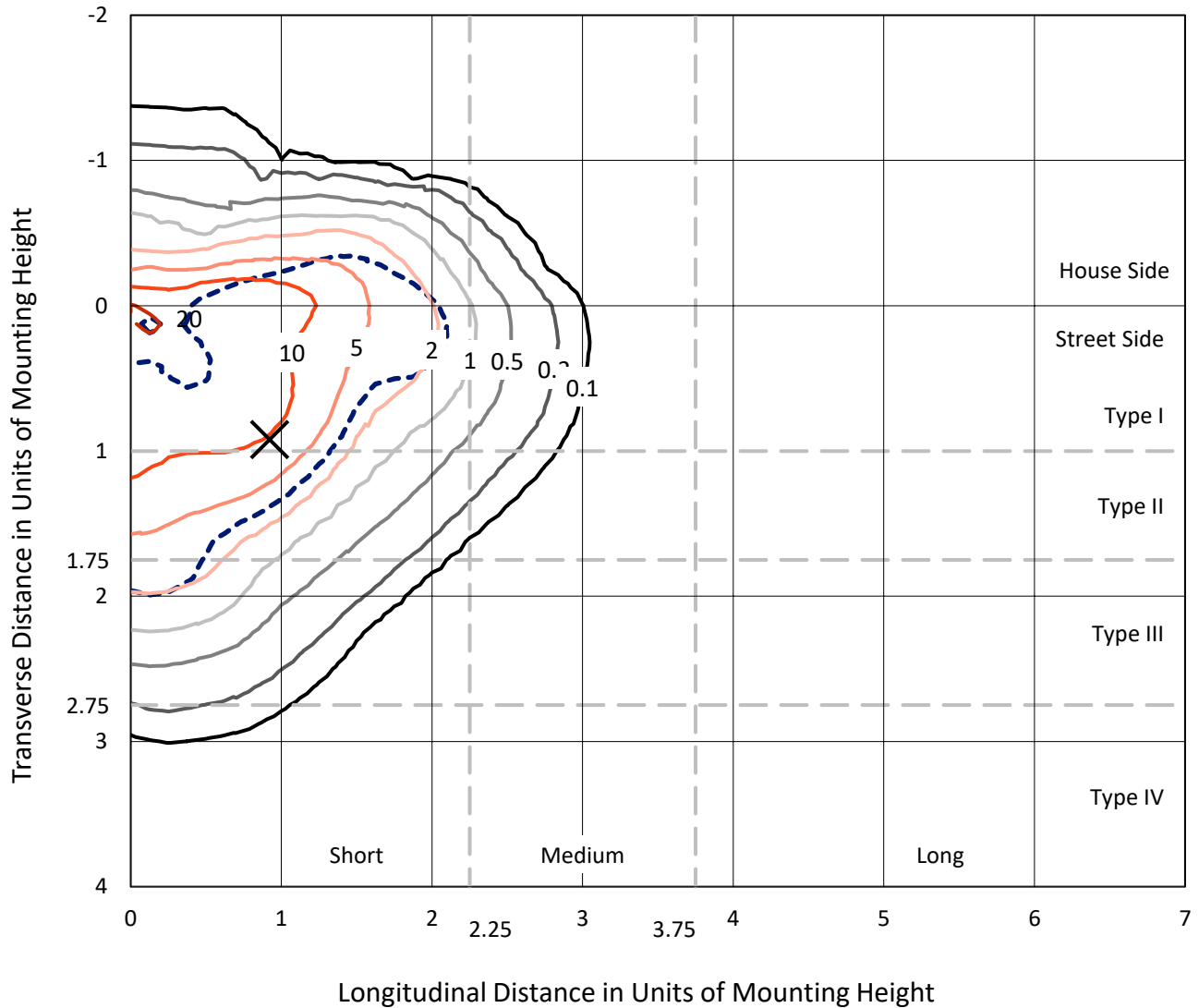
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531537
 CATALOG NUMBER: GALN-SA6D-750-U-SLL-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

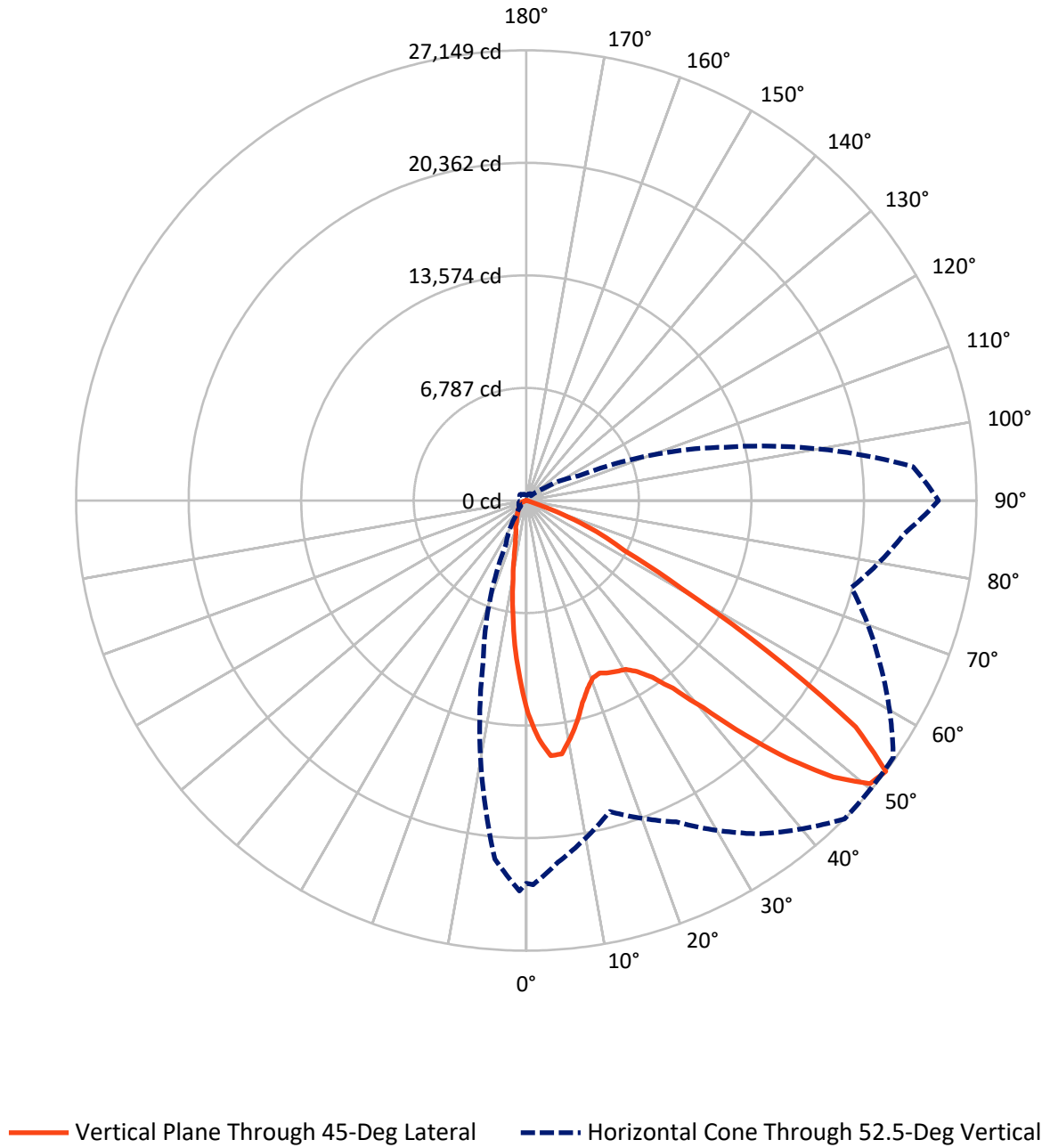
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.2 fc
 Type III - Short - N/A

REPORT NUMBER: P531537
CATALOG NUMBER: GALN-SA6D-750-U-SLL-GRSBK

Luminous Intensity Polar Plot



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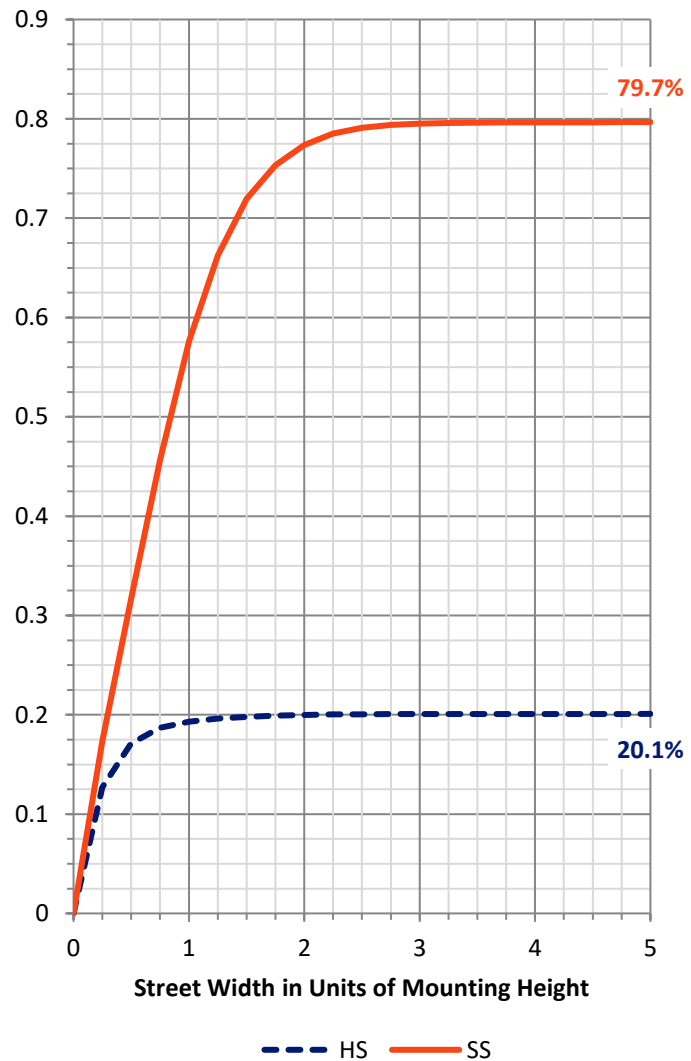
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5146.8	0.0	5146.8
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	20213.2	0.0	20213.2
	% Fixture	79.7	0.0	79.7
Total	Lumens	25360.0	0.0	25360.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	937.8	3.7
10°-20°	1850.2	7.3
20°-30°	2815.7	11.1
30°-40°	4208.3	16.6
40°-50°	5993.1	23.6
50°-60°	6442.4	25.4
60°-70°	2854.8	11.3
70°-80°	231.0	0.9
80°-90°	26.9	0.1
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°	25360.0	100.0
0°-180°	25360.0	100.0



REPORT NUMBER: P531537

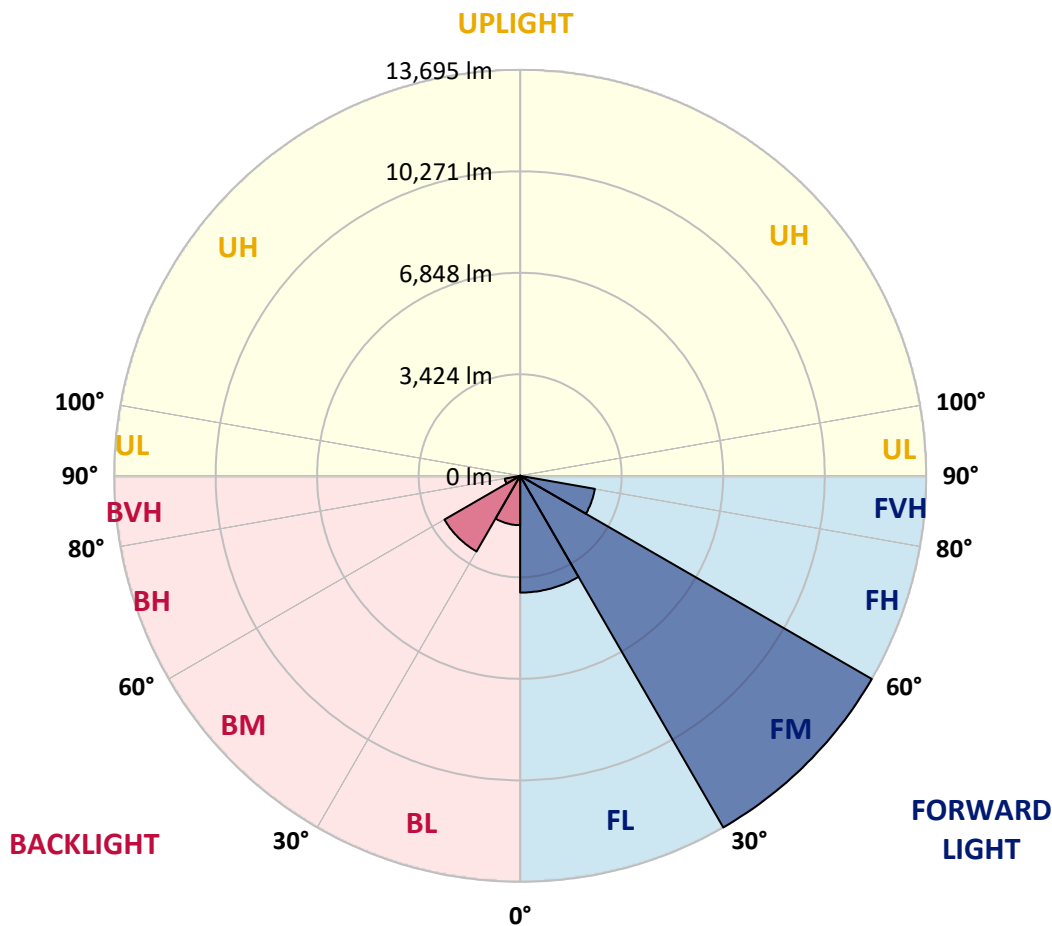
CATALOG NUMBER: GALN-SA6D-750-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3938.9	15.5			
FM (30°-60°)	13695.2	54.0			
FH (60°-80°)	2559.1	10.1			G2/5000
FVH (80°-90°)	19.9	0.1			G1/100
BL (0°-30°)	1664.7	6.6	B3/2500		
BM (30°-60°)	2948.6	11.6	B3/5000		
BH (60°-80°)	526.6	2.1	B2/1000		G2/1000
BVH (80°-90°)	7.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type III Short





REPORT NUMBER: P531537

CATALOG NUMBER: GALN-SA6D-750-U-SLL-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7
2.5°	13606.9	13646.8	13866.2	14140.6	14285.2	14614.4	14385.0	14444.8	14320.1	13881.2	13537.0
5°	13192.9	13187.9	13467.2	14145.6	14789.0	15442.4	15462.4	15113.2	14499.7	13826.3	12863.7
7.5°	11945.9	12140.4	12429.7	13512.1	14704.2	15193.0	15427.4	15018.4	14075.7	13113.1	12070.6
10°	11003.2	11103.0	11591.8	12898.6	13771.5	14424.9	14569.5	14335.1	13611.9	12409.8	11242.6
12.5°	10459.5	10509.4	11083.0	12180.4	13103.1	13586.9	13656.8	13766.5	13247.8	12120.5	10718.9
15°	10464.5	10504.4	11277.5	12195.3	12559.4	12429.7	12659.2	12654.2	12878.7	12065.6	11157.8
17.5°	11217.7	11262.6	11960.9	12414.8	12255.2	11950.9	11935.9	12165.4	12639.2	12749.0	11821.2
20°	12514.5	12619.3	13133.0	13108.1	12210.3	11596.8	11427.2	11601.8	12704.1	13327.6	13158.0
22.5°	14260.3	14404.9	14764.1	14075.7	12414.8	11357.4	11302.5	11641.7	13133.0	14619.4	14674.3
25°	16285.4	16529.8	16704.3	15821.5	13143.0	11771.3	11512.0	12095.6	13711.6	16021.0	16604.6
27.5°	17627.1	17881.5	17841.6	16579.6	13631.8	11881.1	11661.6	12205.3	14215.4	16355.2	17612.1
30°	18674.5	18829.2	19108.5	16988.6	14120.6	12190.3	11816.2	12669.2	14380.0	16933.8	18829.2
32.5°	19896.6	20001.3	20021.3	17711.9	14873.8	12579.4	12295.1	13247.8	15108.2	17487.4	19906.5
35°	21128.6	21283.2	20959.0	18604.7	15337.7	13302.6	13093.1	14250.3	15691.8	18061.0	21093.7
37.5°	22465.3	22545.1	21796.9	18973.8	16001.0	14479.8	14365.0	15332.7	16704.3	19098.5	22410.4
40°	23587.6	23662.4	22689.8	19427.7	16699.3	16125.7	16420.0	17397.6	18081.0	19771.9	23068.8
42.5°	24211.1	24385.6	22989.0	19178.3	18100.9	17991.2	19298.0	19642.2	19677.1	19961.4	23657.4
45°	24380.7	24300.8	22495.2	19382.8	19328.0	21058.7	22245.8	22699.7	21263.2	20310.6	23807.0
47.5°	23597.6	23702.3	21767.0	19203.3	20939.0	23383.1	24919.3	25762.3	22445.4	20006.3	23437.9
50°	22964.1	22829.4	21532.6	19073.6	21373.0	24480.4	26849.6	27039.2	23532.7	20380.4	23033.9
52.5°	23088.8	23173.6	21906.7	19417.7	21382.9	24545.3	27148.9	27019.2	23567.6	20295.6	22889.3
55°	23353.2	22979.1	21747.1	18659.6	19951.4	22734.7	24096.3	23896.8	21752.1	19392.8	22535.1
57.5°	20150.9	20729.5	19996.3	16659.4	16375.1	17128.3	17103.4	17716.9	16225.5	16689.4	20515.1
60°	16355.2	16454.9	16729.3	14250.3	11332.4	11073.0	10713.9	10324.9	10918.4	14270.3	18659.6
62.5°	14385.0	14265.3	15242.9	12963.4	8000.5	6698.7	6638.8	6878.3	8424.5	13611.9	17502.4
65°	10454.6	10604.2	11312.5	10060.5	6005.4	5112.6	5022.8	5731.0	6818.4	10908.4	13357.5
67.5°	6384.5	6673.8	6738.6	6204.9	4075.1	3237.1	3107.4	3750.9	4923.0	7057.8	7830.9
70°	2947.8	3297.0	3626.2	3386.8	2359.3	1331.8	1256.9	1576.2	2484.0	4060.1	4154.9
72.5°	892.8	897.8	1256.9	1311.8	763.1	299.3	264.4	349.2	842.9	1341.7	1411.6
75°	64.8	69.8	169.6	194.5	144.6	74.8	79.8	94.8	179.6	299.3	224.5
77.5°	5.0	5.0	5.0	24.9	44.9	49.9	64.8	74.8	94.8	109.7	99.8
80°	5.0	0.0	5.0	20.0	34.9	49.9	59.9	69.8	74.8	84.8	74.8
82.5°	0.0	0.0	0.0	15.0	34.9	49.9	54.9	74.8	84.8	99.8	84.8
85°	0.0	0.0	0.0	15.0	34.9	54.9	49.9	24.9	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: P531537

CATALOG NUMBER: GALN-SA6D-750-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7
2.5°	13596.9	13402.4	12958.5	12734.0	12205.3	12130.5	11611.7	11526.9	11352.4	11257.6	11028.2
5°	12439.7	12205.3	11482.0	10873.5	10165.3	9671.5	9292.4	8948.2	8748.7	8564.2	8648.9
7.5°	11497.0	10813.7	10010.6	8993.1	8175.1	7646.4	7067.8	6593.9	6314.6	6125.1	6170.0
10°	10509.4	10065.5	8948.2	7806.0	6818.4	6444.3	5990.4	5626.3	5232.3	4893.1	4733.5
12.5°	10200.2	9541.8	8140.2	6978.0	6229.8	5865.7	5347.0	4928.0	4424.2	4010.2	3865.6
15°	10255.0	9621.6	7920.7	6678.7	5795.9	5167.4	4548.9	4030.2	3476.5	3187.2	3037.6
17.5°	11147.9	10050.5	8065.4	6364.5	5192.4	4319.5	3556.3	2897.9	2484.0	2184.7	2119.8
20°	12245.2	10978.3	8374.6	6135.1	4698.6	3436.6	2598.7	2030.1	1685.9	1636.0	1621.1
22.5°	13851.3	12494.6	9038.0	5980.4	4095.0	2678.5	1780.7	1476.4	1381.6	1371.7	1376.6
25°	16095.8	14395.0	9761.2	5850.8	3641.1	2065.0	1456.5	1252.0	1222.0	1207.1	1232.0
27.5°	17068.5	15542.2	10145.3	5571.4	3227.1	1860.5	1436.5	1242.0	1157.2	1132.2	1147.2
30°	18270.5	16305.3	10748.8	5092.6	2618.6	1531.3	1341.7	1351.7	1311.8	1187.1	1147.2
32.5°	19866.6	17258.0	11053.1	4753.4	2339.3	1266.9	982.6	902.8	1007.5	1027.5	1062.4
35°	20889.2	18225.6	11207.7	4553.9	2194.7	1082.4	833.0	758.2	733.2	738.2	758.2
37.5°	22789.5	19532.5	11402.2	4344.4	2084.9	942.7	753.2	683.3	648.4	648.4	668.4
40°	23926.8	20569.9	11666.6	4229.7	1975.2	857.9	683.3	623.5	593.6	593.6	603.5
42.5°	24211.1	21083.7	11576.8	4189.8	1850.5	838.0	623.5	578.6	543.7	538.7	533.7
45°	24719.8	21866.8	11591.8	4144.9	1720.8	763.1	588.6	538.7	488.8	483.8	478.8
47.5°	25278.5	22430.4	11621.7	3970.3	1596.1	638.4	613.5	498.8	438.9	429.0	429.0
50°	24799.6	22879.3	11881.1	3795.8	1436.5	518.7	603.5	468.9	389.1	374.1	379.1
52.5°	24859.5	23408.0	12429.7	3551.4	1237.0	414.0	488.8	443.9	354.1	329.2	334.2
55°	23901.8	22849.4	12504.6	3292.0	967.6	319.2	374.1	389.1	299.3	289.3	289.3
57.5°	20574.9	19347.9	11033.1	2668.5	638.4	264.4	269.3	339.2	259.4	249.4	254.4
60°	17607.1	15532.2	8878.4	1760.7	399.0	209.5	194.5	344.2	229.4	224.5	239.4
62.5°	16050.9	12763.9	6733.6	1092.3	274.3	159.6	134.7	279.3	199.5	199.5	219.5
65°	11596.8	8574.1	3915.5	573.6	194.5	124.7	99.8	159.6	164.6	169.6	179.6
67.5°	7182.5	4329.5	1651.0	279.3	129.7	84.8	64.8	99.8	109.7	109.7	119.7
70°	3546.4	1725.8	548.7	159.6	99.8	69.8	44.9	54.9	54.9	49.9	54.9
72.5°	1097.3	518.7	139.7	99.8	69.8	44.9	24.9	20.0	10.0	0.0	5.0
75°	124.7	99.8	89.8	69.8	44.9	20.0	5.0	0.0	0.0	0.0	0.0
77.5°	74.8	84.8	84.8	69.8	44.9	15.0	0.0	0.0	0.0	0.0	0.0
80°	59.9	64.8	69.8	64.8	39.9	20.0	0.0	0.0	0.0	0.0	0.0
82.5°	74.8	84.8	94.8	84.8	54.9	24.9	10.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	15.0	5.0	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: P531537

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7
2.5°	10933.4	10823.7	10978.3	10748.8	10743.8	10748.8	10684.0	10624.1	10718.9	10973.3	10998.2
5°	8344.7	8579.1	8653.9	8898.3	8763.7	8564.2	8604.1	8469.4	8798.6	8943.2	8828.5
7.5°	6075.2	6060.2	6564.0	6593.9	6658.8	6663.8	6653.8	6389.4	6120.1	6180.0	6359.5
10°	4713.5	4459.1	4703.6	4678.6	4838.2	4793.3	4858.2	4573.9	4668.6	4668.6	4783.4
12.5°	3840.7	3571.3	3526.4	3461.6	3526.4	3551.4	3576.3	3521.4	3681.0	3755.9	3835.7
15°	2932.9	2783.2	2743.3	2618.6	2638.6	2708.4	2768.3	2793.2	2743.3	2858.0	2868.0
17.5°	2129.8	2124.8	2149.8	2144.8	2124.8	2109.9	2104.9	2040.0	2020.1	2030.1	2070.0
20°	1616.1	1656.0	1740.8	1825.6	1870.4	1815.6	1740.8	1631.0	1586.1	1596.1	1601.1
22.5°	1381.6	1441.5	1556.2	1651.0	1695.9	1596.1	1461.4	1366.7	1346.7	1341.7	1336.7
25°	1252.0	1321.8	1406.6	1436.5	1431.5	1371.7	1271.9	1232.0	1222.0	1212.0	1167.2
27.5°	1182.1	1207.1	1222.0	1256.9	1271.9	1232.0	1207.1	1147.2	1137.2	1137.2	1107.3
30°	1142.2	1127.3	1147.2	1122.3	1142.2	1112.3	1117.3	1117.3	1092.3	1102.3	1102.3
32.5°	1062.4	1067.4	1067.4	1017.5	1032.5	997.6	1032.5	1062.4	1067.4	1072.4	1112.3
35°	778.1	867.9	912.8	912.8	927.7	902.8	897.8	862.9	818.0	773.1	753.2
37.5°	683.3	718.3	778.1	813.0	838.0	818.0	773.1	718.3	693.3	673.4	653.4
40°	608.5	638.4	678.3	718.3	768.1	743.2	673.4	648.4	618.5	618.5	598.5
42.5°	548.7	563.6	588.6	648.4	703.3	653.4	603.5	583.6	568.6	563.6	558.6
45°	493.8	498.8	523.7	573.6	638.4	588.6	538.7	513.7	518.7	523.7	518.7
47.5°	443.9	453.9	468.9	528.7	568.6	543.7	488.8	473.8	473.8	473.8	478.8
50°	384.1	409.0	438.9	488.8	518.7	503.8	458.9	438.9	429.0	429.0	433.9
52.5°	344.2	364.1	404.0	463.9	503.8	478.8	433.9	404.0	384.1	379.1	389.1
55°	299.3	334.2	399.0	443.9	498.8	473.8	424.0	389.1	354.1	349.2	349.2
57.5°	269.3	324.2	384.1	438.9	483.8	463.9	424.0	379.1	334.2	329.2	329.2
60°	254.4	314.2	374.1	424.0	483.8	453.9	419.0	369.1	319.2	319.2	314.2
62.5°	239.4	294.3	354.1	404.0	463.9	438.9	404.0	354.1	304.3	304.3	294.3
65°	199.5	254.4	294.3	339.2	404.0	379.1	344.2	309.2	269.3	259.4	264.4
67.5°	139.7	174.6	214.5	259.4	299.3	289.3	274.3	249.4	214.5	209.5	204.5
70°	69.8	94.8	129.7	174.6	209.5	199.5	189.5	169.6	149.6	144.6	144.6
72.5°	10.0	29.9	54.9	79.8	109.7	114.7	109.7	104.7	99.8	94.8	99.8
75°	0.0	0.0	0.0	20.0	44.9	54.9	64.8	74.8	74.8	64.8	79.8
77.5°	0.0	0.0	0.0	0.0	5.0	24.9	49.9	64.8	79.8	69.8	94.8
80°	0.0	0.0	0.0	0.0	5.0	29.9	49.9	69.8	79.8	69.8	99.8
82.5°	0.0	0.0	0.0	0.0	5.0	34.9	49.9	64.8	74.8	69.8	89.8
85°	0.0	0.0	0.0	0.0	15.0	29.9	20.0	10.0	5.0	5.0	15.0
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: P531537

CATALOG NUMBER: GALN-SA6D-750-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7	12858.7
2.5°	11137.9	11492.0	11871.1	12015.8	12464.7	12803.8	13033.3	13527.1	13601.9	13606.9
5°	8948.2	9127.8	9776.2	10080.5	10748.8	11267.6	11821.2	12619.3	13153.0	13192.9
7.5°	6359.5	6858.3	7132.6	7925.7	8748.7	9561.7	10384.7	11312.5	11931.0	11945.9
10°	5117.5	5441.8	5930.6	6524.1	7217.4	8045.4	9142.7	10220.1	10848.6	11003.2
12.5°	4120.0	4688.6	5247.2	5860.7	6389.4	7012.9	8195.1	9631.6	10150.3	10459.5
15°	3172.3	3691.0	4349.4	5067.7	5666.2	6499.2	7845.9	9486.9	10359.8	10464.5
17.5°	2339.3	2803.2	3411.7	4090.0	4987.9	6170.0	7905.8	10220.1	11043.1	11217.7
20°	1680.9	1950.3	2429.1	3217.2	4359.4	5785.9	7965.6	10963.3	12215.3	12514.5
22.5°	1331.8	1441.5	1755.7	2454.0	3656.1	5381.9	8389.6	12384.9	13826.3	14260.3
25°	1157.2	1217.0	1366.7	1935.3	3212.2	5342.0	9067.9	14090.7	15971.1	16285.4
27.5°	1117.3	1127.3	1256.9	1775.7	2972.8	5077.6	9327.3	15302.7	17307.9	17627.1
30°	1177.1	1336.7	1346.7	1501.3	2528.8	4553.9	9462.0	16474.9	18440.1	18674.5
32.5°	1017.5	967.6	1002.6	1162.2	2224.6	4249.7	9716.3	17497.4	19732.0	19896.6
35°	708.3	743.2	823.0	1007.5	1945.3	3930.4	9781.2	18624.7	20959.0	21128.6
37.5°	653.4	673.4	738.2	857.9	1710.8	3750.9	9691.4	19447.7	22230.9	22465.3
40°	608.5	633.5	668.4	778.1	1536.3	3551.4	9566.7	20190.9	23009.0	23587.6
42.5°	573.6	593.6	623.5	743.2	1386.6	3351.8	9392.1	21238.3	23707.3	24211.1
45°	533.7	563.6	598.5	723.2	1301.8	3217.2	9262.5	21173.5	24111.3	24380.7
47.5°	493.8	543.7	583.6	673.4	1276.9	3152.3	9317.3	20929.1	23782.1	23597.6
50°	453.9	518.7	588.6	558.6	1217.0	3022.6	9382.2	21263.2	22999.0	22964.1
52.5°	419.0	493.8	548.7	458.9	1082.4	2897.9	10010.6	21702.2	23552.7	23088.8
55°	369.1	443.9	438.9	369.1	877.9	2803.2	10504.4	21712.1	23178.6	23353.2
57.5°	334.2	394.0	344.2	309.2	648.4	2344.3	9701.4	18205.7	19841.7	20150.9
60°	309.2	384.1	259.4	244.4	424.0	1690.9	8469.4	14100.7	15771.6	16355.2
62.5°	284.3	364.1	204.5	199.5	294.3	1202.1	6963.1	11801.3	13591.9	14385.0
65°	249.4	259.4	164.6	154.6	209.5	648.4	4239.7	8125.2	10160.3	10454.6
67.5°	204.5	199.5	134.7	124.7	139.7	314.2	1870.4	4070.1	5890.7	6384.5
70°	164.6	164.6	114.7	99.8	99.8	144.6	488.8	1621.1	2663.5	2947.8
72.5°	119.7	124.7	89.8	79.8	74.8	69.8	79.8	324.2	698.3	892.8
75°	104.7	109.7	89.8	69.8	54.9	44.9	34.9	29.9	39.9	64.8
77.5°	114.7	114.7	94.8	64.8	49.9	34.9	20.0	10.0	10.0	5.0
80°	144.6	149.6	124.7	84.8	59.9	39.9	24.9	10.0	5.0	5.0
82.5°	154.6	169.6	139.7	104.7	74.8	44.9	24.9	5.0	0.0	0.0
85°	39.9	64.8	109.7	94.8	74.8	44.9	24.9	5.0	0.0	0.0
87.5°	0.0	5.0	15.0	15.0	20.0	20.0	15.0	5.0	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)