

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: P528730

Luminaire Tested: **GALN-SA3D-750-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528730
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3D-750-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17199 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

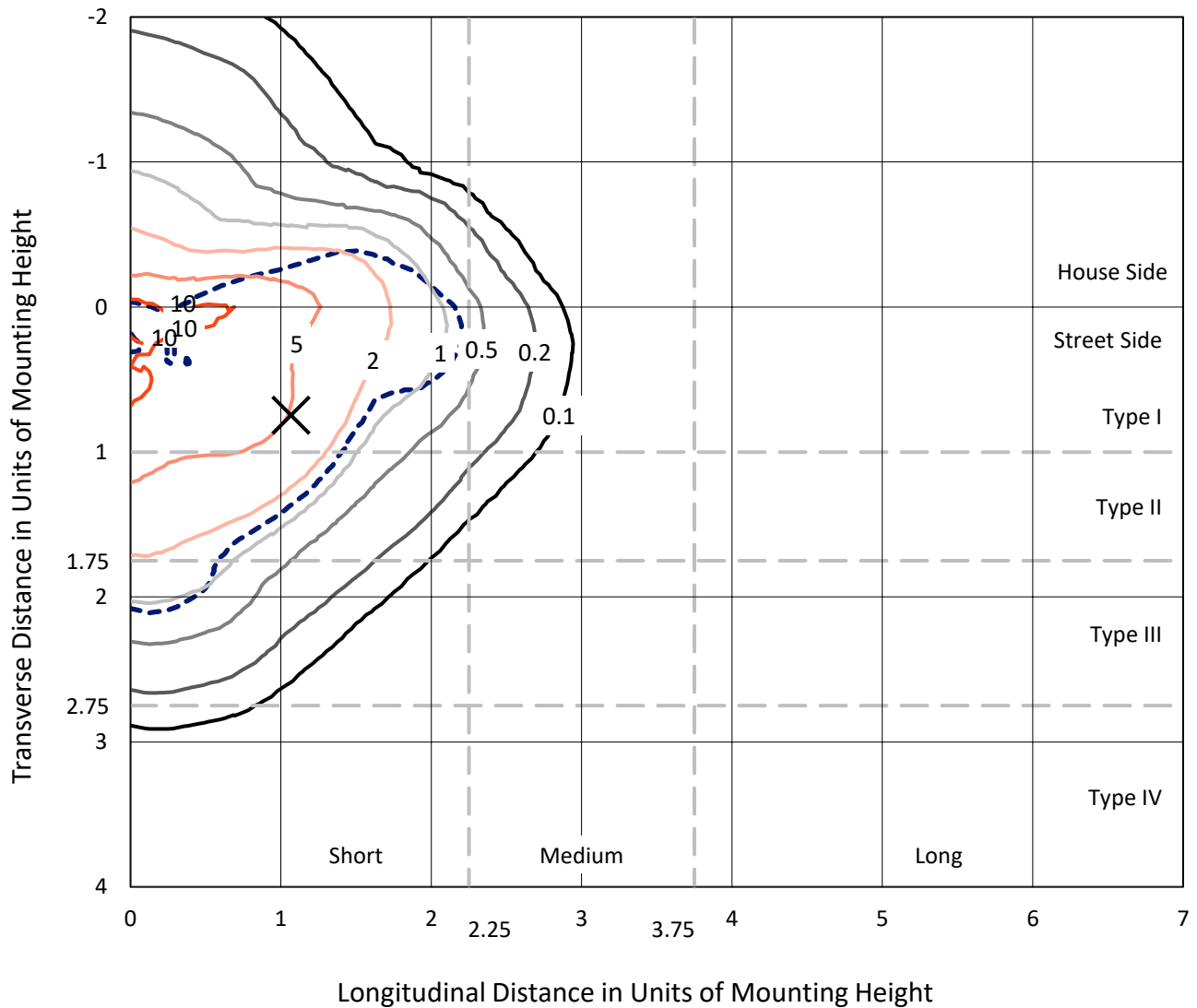
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528730
 CATALOG NUMBER: GALN-SA3D-750-U-SLL-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

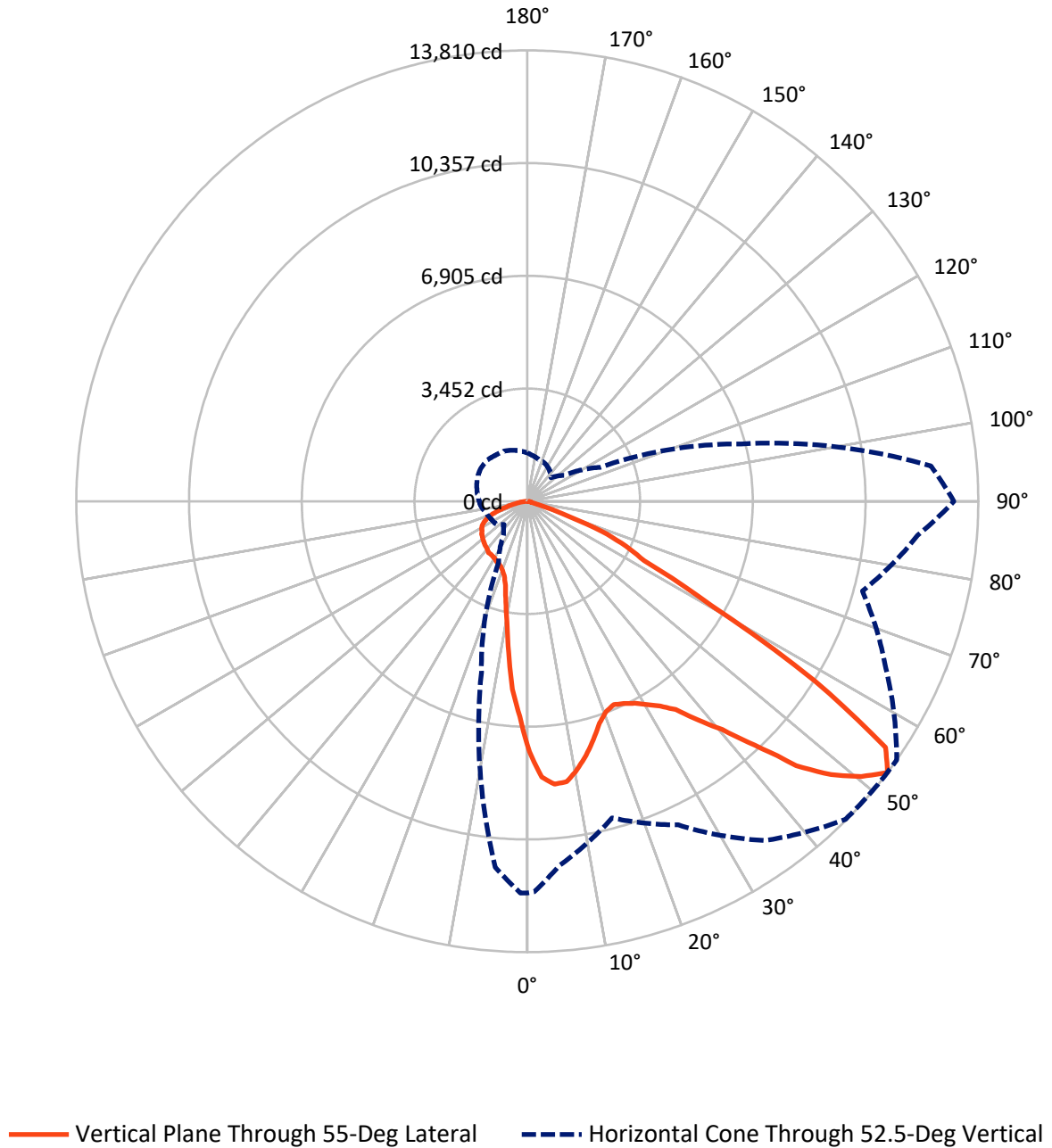
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 fc
 Type II - Short - N/A

REPORT NUMBER: P528730
CATALOG NUMBER: GALN-SA3D-750-U-SLL-GRSWH

Luminous Intensity Polar Plot



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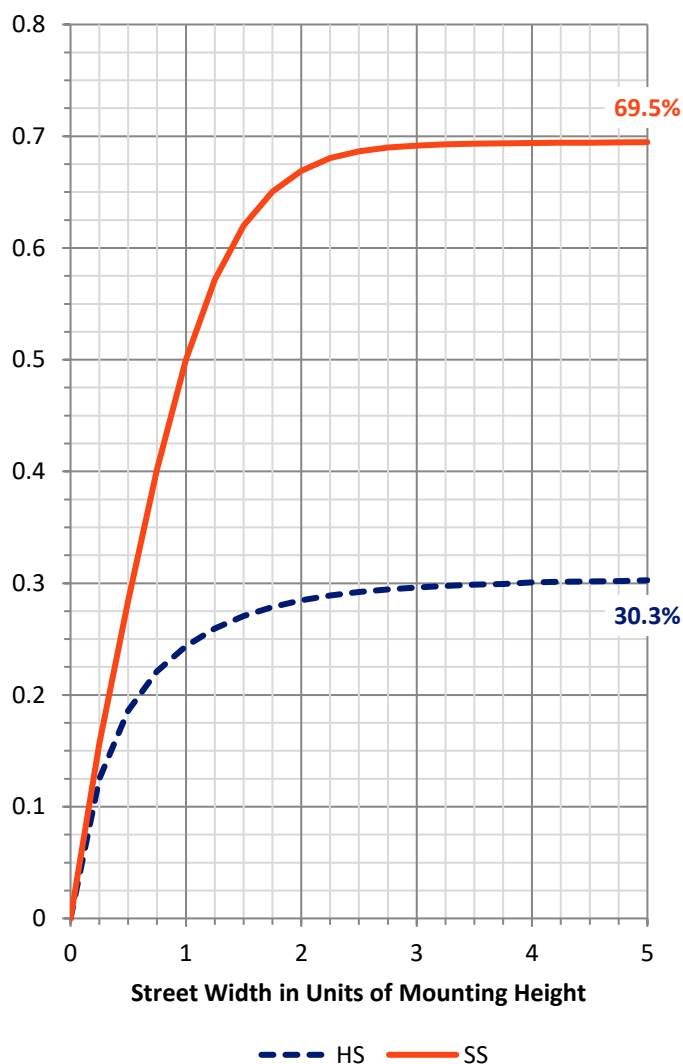
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5246.6	0.0	5246.6
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	11952.4	0.0	11952.4
	% Fixture	69.5	0.0	69.5
Total	Lumens	17199.0	0.0	17199.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	586.1	3.4
10°-20°	1263.8	7.3
20°-30°	1916.3	11.1
30°-40°	2768.8	16.1
40°-50°	3699.8	21.5
50°-60°	4129.8	24.0
60°-70°	2265.4	13.2
70°-80°	489.8	2.8
80°-90°	79.2	0.5
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°	17199.0	100.0
0°-180°	17199.0	100.0

Coefficient of Utilization



REPORT NUMBER: P528730

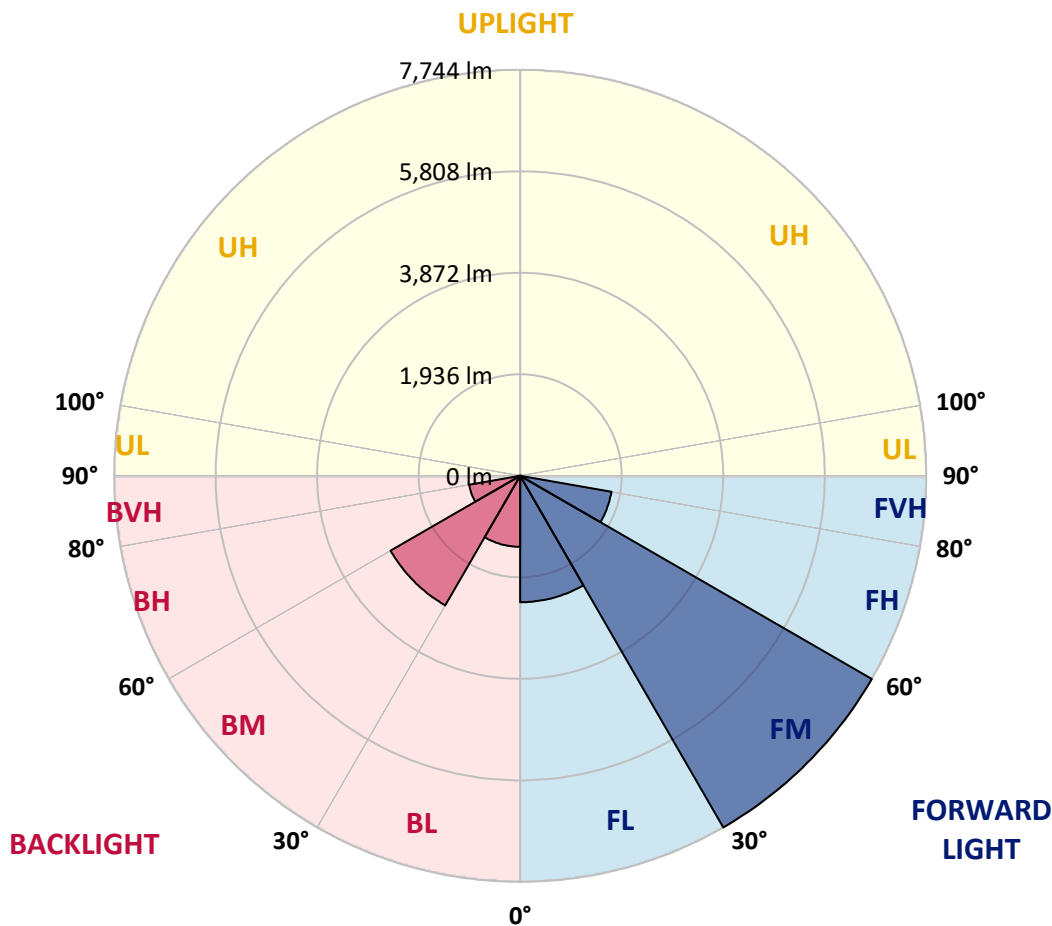
CATALOG NUMBER: GALN-SA3D-750-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2411.6	14.0			
FM (30°-60°)	7743.8	45.0			
FH (60°-80°)	1767.6	10.3			G1/1800
FVH (80°-90°)	29.3	0.2			G1/100
BL (0°-30°)	1354.6	7.9	B3/2500		
BM (30°-60°)	2854.6	16.6	B3/5000		
BH (60°-80°)	987.5	5.7	B2/1000		G2/1000
BVH (80°-90°)	49.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





REPORT NUMBER: P528730

CATALOG NUMBER: GALN-SA3D-750-U-SLL-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1
2.5°	8051.3	8006.1	8046.3	8237.1	8347.6	8423.0	8470.7	8463.2	8282.3	8106.5	8106.5
5°	7815.2	7757.5	7840.3	8272.3	8706.7	8744.4	8807.2	8704.2	8438.0	8116.6	7714.8
7.5°	7132.2	7174.8	7313.0	7880.5	8445.6	8729.4	8804.7	8674.1	8242.2	7641.9	7051.8
10°	6542.0	6642.4	6961.4	7574.1	8094.0	8463.2	8546.0	8362.7	8021.2	7285.3	6758.0
12.5°	6338.6	6275.8	6629.9	7242.6	7739.9	7938.3	7976.0	7988.5	7757.5	7104.5	6461.6
15°	6313.5	6353.6	6629.9	7094.5	7400.9	7410.9	7473.7	7571.6	7601.8	7227.6	6599.8
17.5°	6675.1	6627.4	6911.2	7280.3	7134.7	6989.0	7004.1	7144.7	7393.3	7333.1	7034.2
20°	7210.0	7318.0	7541.5	7503.8	7112.1	6742.9	6745.4	6878.5	7368.2	7770.0	7639.4
22.5°	8099.0	8204.5	8370.2	7915.7	7112.1	6670.1	6584.7	6765.5	7528.9	8289.9	8322.5
25°	8910.2	9103.5	9148.7	8613.8	7468.7	6737.9	6682.6	6860.9	7689.7	8797.2	9106.0
27.5°	9648.5	9718.8	9917.2	9063.4	7667.1	6783.1	6778.1	7006.6	7893.1	9050.8	9806.7
30°	10231.1	10223.6	10336.6	9347.1	7983.5	7036.7	6793.1	7225.1	8159.3	9470.2	10454.6
32.5°	10627.9	10713.3	10951.9	9741.4	8116.6	7277.8	7086.9	7481.2	8483.2	9668.6	10911.7
35°	11326.1	11474.2	11172.9	9959.9	8538.5	7516.4	7292.9	7830.3	8644.0	9884.6	11471.7
37.5°	11984.0	11871.0	11564.6	10077.9	8812.2	7958.4	7749.9	8505.8	9143.7	10354.2	11843.4
40°	12405.9	12403.4	11858.5	10173.4	9005.6	8633.9	8621.4	9191.4	9756.5	10650.5	12260.3
42.5°	12589.3	12765.0	11979.0	10163.3	9412.4	9452.6	9706.3	10216.1	10190.9	10710.8	12250.2
44°	12840.4	12945.9	12187.4	10185.9	9683.7	10005.1	10602.8	10926.8	10570.1	10678.1	12237.7
45°	12830.3	12837.9	11891.1	10216.1	9914.7	10467.2	11002.1	11549.6	10904.2	10607.8	12403.4
47.5°	12536.5	12451.1	11640.0	9992.5	10635.4	11687.7	12182.4	12513.9	11316.0	10457.1	12197.5
50°	11956.4	11858.5	11029.7	9897.1	10786.1	12446.1	13129.2	13249.7	11690.2	10309.0	11994.1
52.5°	11996.6	11969.0	11203.0	10040.3	10936.8	12684.7	13779.6	13809.8	12114.6	10620.4	11996.6
55°	12714.8	12619.4	11700.2	10218.6	10826.3	12405.9	13365.2	13312.5	11971.5	10432.0	12217.6
57.5°	11634.9	11697.7	11012.1	9512.9	9475.2	10085.5	10507.4	10376.8	9990.0	9414.9	11366.2
60°	9387.3	9565.6	9630.9	7955.9	7149.7	6835.8	6710.2	6479.2	6544.5	7734.9	9985.0
62.5°	8051.3	8041.2	8450.6	7212.5	4683.6	4028.2	3967.9	4020.6	4774.0	7614.3	9779.1
65°	6383.8	6554.5	6680.1	6112.6	3706.7	2991.0	2988.5	3322.5	4131.1	6363.7	7895.6
67.5°	4053.3	4276.8	4432.5	3910.1	2478.7	2129.6	2071.8	2473.7	2862.9	4173.8	4753.9
70°	2285.3	2390.8	2461.1	2255.2	1577.1	1105.0	1039.7	1135.1	1730.3	2702.2	2817.7
72.5°	881.5	929.2	1024.6	1032.2	595.2	356.6	288.8	346.6	728.3	1069.8	1019.6
75°	135.6	145.7	205.9	246.1	170.8	130.6	138.1	143.1	203.4	276.2	231.0
77.5°	65.3	65.3	62.8	72.8	85.4	92.9	100.5	110.5	120.5	133.1	128.1
80°	42.7	42.7	42.7	50.2	62.8	75.3	85.4	90.4	95.4	105.5	100.5
82.5°	27.6	27.6	27.6	37.7	50.2	62.8	67.8	80.4	90.4	105.5	97.9
85°	15.1	15.1	15.1	25.1	37.7	52.7	50.2	40.2	22.6	2.5	5.0
87.5°	5.0	5.0	5.0	5.0	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: P528730

CATALOG NUMBER: GALN-SA3D-750-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1
2.5°	7895.6	7780.1	7770.0	7534.0	7323.0	7220.0	7137.2	6906.1	6956.4	6823.3	6820.7
5°	7513.9	7277.8	6896.1	6582.2	6268.3	6205.5	5931.7	5693.2	5700.7	5529.9	5560.1
7.5°	6828.3	6665.0	6200.5	5708.2	5291.4	4995.0	4736.4	4580.6	4382.3	4314.4	4279.3
10°	6393.8	6192.9	5670.6	5052.8	4585.7	4427.5	4178.8	4040.7	3837.3	3736.8	3666.5
12.5°	6203.0	5909.1	5256.2	4628.4	4317.0	4153.7	3942.8	3691.6	3450.6	3357.6	3229.6
15°	6223.1	5871.5	5135.7	4457.6	4083.4	3767.0	3578.6	3299.9	3053.8	2890.5	2797.6
17.5°	6526.9	6100.0	5190.9	4327.0	3789.6	3392.8	3023.6	2722.3	2526.4	2403.3	2373.2
20°	7245.2	6665.0	5283.8	4116.1	3495.8	3001.0	2546.5	2232.6	2081.9	2079.4	2081.9
22.5°	7842.9	7267.8	5472.2	3990.5	3201.9	2498.8	2046.7	1946.3	1916.1	1978.9	1986.5
25°	8649.0	7945.8	5796.1	3925.2	2930.7	2129.6	1850.8	1813.2	1810.7	1891.0	1893.5
27.5°	9475.2	8538.5	5989.5	3734.3	2654.5	1938.7	1732.8	1725.3	1765.5	1850.8	1843.3
30°	10037.7	9035.7	6338.6	3505.8	2328.0	1770.5	1685.1	1695.1	1750.4	1815.7	1825.7
32.5°	10693.2	9525.4	6429.0	3380.2	2127.1	1629.8	1569.6	1592.2	1662.5	1765.5	1820.7
35°	11444.1	9872.0	6567.1	3209.5	2051.7	1521.9	1491.7	1516.8	1602.2	1670.0	1730.3
37.5°	11999.1	10484.8	6592.2	3076.4	1968.9	1461.6	1413.9	1496.7	1547.0	1642.4	1672.5
40°	12410.9	10929.3	6657.5	2993.5	1903.6	1383.7	1383.7	1439.0	1506.8	1594.7	1655.0
42.5°	12674.6	11253.2	6705.2	2918.2	1778.0	1361.1	1348.6	1403.8	1494.2	1579.6	1607.2
44°	12835.4	11391.4	6657.5	2847.8	1742.9	1333.5	1333.5	1381.2	1451.5	1552.0	1584.6
45°	12875.5	11564.6	6552.0	2845.3	1700.2	1300.9	1295.8	1386.2	1434.0	1557.0	1577.1
47.5°	13031.2	11778.1	6564.6	2765.0	1597.2	1223.0	1310.9	1351.1	1393.8	1501.8	1569.6
50°	13026.2	11911.2	6537.0	2646.9	1521.9	1135.1	1280.8	1326.0	1368.7	1479.2	1506.8
52.5°	13061.4	12408.4	6790.6	2458.6	1386.2	1022.1	1180.3	1280.8	1333.5	1426.4	1484.2
55°	13043.8	12692.2	7041.7	2317.9	1195.4	954.3	1094.9	1213.0	1288.3	1386.2	1413.9
57.5°	11913.7	11218.1	6516.9	2054.3	989.5	873.9	974.4	1142.7	1238.1	1338.5	1373.7
60°	9733.9	8646.5	5374.2	1511.8	813.7	803.6	906.6	1120.0	1160.2	1248.1	1308.4
62.5°	8995.6	7584.2	4261.7	1155.2	695.6	735.8	836.3	1012.1	1074.8	1182.8	1238.1
65°	7039.2	5037.7	2639.4	781.0	612.8	660.5	755.9	886.5	989.5	1089.9	1155.2
67.5°	4168.8	2752.4	1305.9	547.5	534.9	585.1	683.1	781.0	899.1	1009.6	1042.2
70°	2270.2	1353.6	557.5	416.9	454.5	499.8	595.2	663.0	776.0	861.4	916.6
72.5°	728.3	411.9	278.8	308.9	346.6	399.3	457.1	539.9	620.3	670.5	715.7
75°	175.8	173.3	198.4	216.0	251.1	291.3	339.0	381.7	444.5	492.2	532.4
77.5°	123.1	133.1	153.2	178.3	190.9	205.9	236.1	268.7	296.3	331.5	356.6
80°	95.4	103.0	118.0	130.6	143.1	155.7	170.8	183.3	200.9	223.5	236.1
82.5°	90.4	95.4	110.5	118.0	113.0	110.5	120.5	125.6	128.1	135.6	143.1
85°	7.5	0.0	5.0	17.6	42.7	62.8	67.8	67.8	65.3	70.3	70.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	10.0	7.5
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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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1
2.5°	6790.6	6705.2	6737.9	6778.1	6720.3	6587.2	6622.4	6607.3	6742.9	6732.9	6868.5
5°	5693.2	5560.1	5575.1	5771.0	5708.2	5776.0	5640.4	5622.8	5648.0	5660.5	5683.1
7.5°	4357.1	4339.6	4490.2	4656.0	4733.8	4653.5	4520.4	4490.2	4462.6	4407.4	4532.9
10°	3556.0	3561.1	3551.0	3676.6	3764.5	3746.9	3666.5	3656.5	3603.7	3583.7	3654.0
12.5°	3174.3	3106.5	3073.9	3033.7	3101.5	3146.7	3111.5	3086.4	3088.9	3114.0	3124.1
15°	2805.1	2762.5	2692.1	2646.9	2679.6	2657.0	2644.4	2694.6	2682.1	2677.1	2737.3
17.5°	2390.8	2425.9	2420.9	2370.7	2413.4	2395.8	2393.3	2358.1	2310.4	2275.3	2295.3
20°	2117.0	2182.3	2232.6	2235.1	2257.7	2255.2	2217.5	2109.5	2074.4	2066.8	2071.8
22.5°	2019.1	2054.3	2114.5	2199.9	2199.9	2159.7	2114.5	1989.0	1956.3	1921.2	1906.1
25°	1941.3	2009.1	2086.9	2097.0	2137.1	2099.5	2026.6	1963.9	1896.0	1848.3	1848.3
27.5°	1901.1	1976.4	2034.2	2051.7	2107.0	2076.9	2001.5	1921.2	1840.8	1838.3	1795.6
30°	1883.5	1953.8	1991.5	2034.2	2059.3	2011.6	1989.0	1903.6	1823.2	1803.1	1732.8
32.5°	1830.8	1931.2	2001.5	1991.5	2011.6	1991.5	1958.8	1888.5	1798.1	1752.9	1745.4
35°	1770.5	1870.9	1946.3	1999.0	2011.6	1968.9	1948.8	1853.4	1730.3	1707.7	1629.8
37.5°	1737.8	1798.1	1891.0	1976.4	1994.0	1971.4	1903.6	1805.6	1682.6	1657.5	1589.7
40°	1697.7	1775.5	1848.3	1918.6	1971.4	1916.1	1838.3	1742.9	1687.6	1612.3	1592.2
42.5°	1667.5	1755.4	1815.7	1893.5	1953.8	1881.0	1790.6	1725.3	1647.4	1597.2	1539.4
44°	1657.5	1737.8	1778.0	1873.4	1923.7	1868.4	1793.1	1725.3	1634.9	1589.7	1539.4
45°	1622.3	1732.8	1775.5	1860.9	1903.6	1858.4	1762.9	1695.1	1629.8	1574.6	1521.9
47.5°	1587.2	1662.5	1735.3	1803.1	1833.3	1818.2	1737.8	1655.0	1577.1	1544.5	1494.2
50°	1577.1	1652.4	1720.3	1783.0	1818.2	1788.1	1715.2	1634.9	1544.5	1491.7	1449.0
52.5°	1526.9	1619.8	1695.1	1715.2	1760.4	1742.9	1687.6	1599.7	1514.3	1469.1	1434.0
55°	1454.1	1552.0	1655.0	1680.1	1745.4	1717.7	1634.9	1552.0	1479.2	1411.4	1366.2
57.5°	1426.4	1521.9	1622.3	1655.0	1695.1	1649.9	1629.8	1542.0	1426.4	1391.3	1321.0
60°	1356.1	1476.7	1559.5	1634.9	1637.4	1624.8	1589.7	1489.2	1393.8	1328.5	1278.3
62.5°	1300.9	1413.9	1479.2	1549.5	1592.2	1557.0	1521.9	1428.9	1326.0	1253.1	1195.4
65°	1220.5	1323.5	1378.7	1421.4	1469.1	1464.1	1403.8	1336.0	1228.0	1170.3	1115.0
67.5°	1097.4	1187.9	1263.2	1303.4	1333.5	1326.0	1280.8	1233.1	1122.6	1064.8	1024.6
70°	949.3	1042.2	1089.9	1112.5	1142.7	1157.7	1122.6	1100.0	1002.0	926.7	889.0
72.5°	763.4	823.7	894.0	914.1	926.7	936.7	936.7	916.6	816.2	786.0	720.7
75°	562.5	610.3	663.0	663.0	685.6	688.1	693.1	680.6	605.2	565.0	550.0
77.5°	381.7	416.9	459.6	477.2	492.2	489.7	487.2	452.0	411.9	394.3	379.2
80°	248.6	283.8	303.9	326.5	341.5	339.0	344.1	318.9	301.4	271.2	276.2
82.5°	148.2	175.8	195.9	223.5	223.5	231.0	231.0	223.5	205.9	190.9	190.9
85°	70.3	92.9	105.5	123.1	133.1	135.6	120.5	103.0	85.4	77.9	85.4
87.5°	12.6	17.6	25.1	22.6	27.6	25.1	25.1	25.1	25.1	20.1	22.6
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: P528730

CATALOG NUMBER: GALN-SA3D-750-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1	7672.1
2.5°	6818.2	6943.8	7031.7	7177.4	7428.5	7629.4	7835.3	7988.5	8006.1	8051.3
5°	5766.0	5833.8	6057.3	6348.6	6554.5	6893.6	7112.1	7508.8	7657.0	7815.2
7.5°	4502.8	4613.3	4912.1	5108.0	5560.1	5984.5	6424.0	6913.7	7109.5	7132.2
10°	3797.1	3957.8	4161.3	4475.2	4721.3	5193.4	5740.9	6285.8	6504.3	6542.0
12.5°	3335.0	3541.0	3812.2	4038.2	4274.3	4686.1	5211.0	5884.0	6167.8	6338.6
15°	2890.5	3104.0	3402.8	3716.8	3925.2	4417.4	5035.2	5793.6	6162.8	6313.5
17.5°	2433.5	2631.9	2878.0	3217.0	3636.4	4188.9	5007.6	6095.0	6499.3	6675.1
20°	2041.7	2152.2	2438.5	2787.6	3312.4	3955.3	5017.6	6539.5	7132.2	7210.0
22.5°	1888.5	1913.6	2026.6	2348.1	2923.2	3716.8	5195.9	7169.8	7842.9	8099.0
25°	1770.5	1765.5	1795.6	2011.6	2639.4	3623.8	5371.7	7749.9	8631.4	8910.2
27.5°	1705.2	1655.0	1657.5	1860.9	2438.5	3473.2	5597.7	8415.4	9525.4	9648.5
30°	1672.5	1662.5	1632.4	1715.2	2220.0	3247.1	5635.4	9070.9	10052.8	10231.1
32.5°	1652.4	1554.5	1516.8	1547.0	2014.1	3001.0	5776.0	9502.8	10705.8	10627.9
35°	1552.0	1464.1	1439.0	1469.1	1868.4	2862.9	5683.1	9879.5	11195.5	11326.1
37.5°	1514.3	1436.5	1386.2	1361.1	1732.8	2747.4	5635.4	10459.7	11670.1	11984.0
40°	1479.2	1396.3	1336.0	1310.9	1627.3	2594.2	5620.3	10906.7	12217.6	12405.9
42.5°	1439.0	1386.2	1318.4	1273.2	1499.3	2441.0	5447.1	11044.8	12385.8	12589.3
44°	1426.4	1346.1	1275.8	1260.7	1449.0	2363.2	5411.9	11170.4	12531.5	12840.4
45°	1413.9	1338.5	1258.2	1238.1	1431.5	2320.5	5364.2	11200.5	12772.6	12830.3
47.5°	1378.7	1331.0	1253.1	1197.9	1393.8	2227.5	5221.0	11029.7	12526.5	12536.5
50°	1351.1	1295.8	1215.5	1107.5	1343.6	2149.7	5286.3	10966.9	11933.8	11956.4
52.5°	1321.0	1238.1	1192.9	1007.0	1260.7	2084.4	5424.5	11250.7	12001.6	11996.6
55°	1285.8	1195.4	1084.9	921.7	1122.6	2001.5	5758.5	11810.7	12629.4	12714.8
57.5°	1230.5	1152.7	994.5	846.3	964.3	1843.3	5650.5	10738.4	11619.9	11634.9
60°	1157.7	1084.9	901.6	788.6	791.1	1454.1	5052.8	8367.7	9168.8	9387.3
62.5°	1087.4	1047.2	823.7	705.7	673.0	1157.7	4271.8	6953.8	7870.5	8051.3
65°	1004.5	906.6	755.9	642.9	577.6	811.2	3026.1	5195.9	6140.2	6383.8
67.5°	899.1	793.6	665.5	565.0	494.7	542.4	1562.0	2953.3	3910.1	4053.3
70°	786.0	688.1	560.0	477.2	399.3	374.2	688.1	1408.9	2137.1	2285.3
72.5°	645.4	555.0	447.0	376.7	298.8	258.7	231.0	376.7	758.4	881.5
75°	467.1	404.3	336.5	268.7	211.0	165.7	135.6	113.0	125.6	135.6
77.5°	344.1	293.8	248.6	190.9	148.2	118.0	92.9	70.3	67.8	65.3
80°	268.7	238.6	198.4	153.2	115.5	87.9	65.3	47.7	42.7	42.7
82.5°	211.0	195.9	163.2	125.6	95.4	70.3	47.7	32.6	27.6	27.6
85°	80.4	80.4	118.0	103.0	72.8	50.2	32.6	17.6	15.1	15.1
87.5°	20.1	20.1	20.1	20.1	17.6	15.1	15.1	7.5	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)