

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: P939916

Luminaire Tested: **GALN-SB2D-727-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2D-727-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

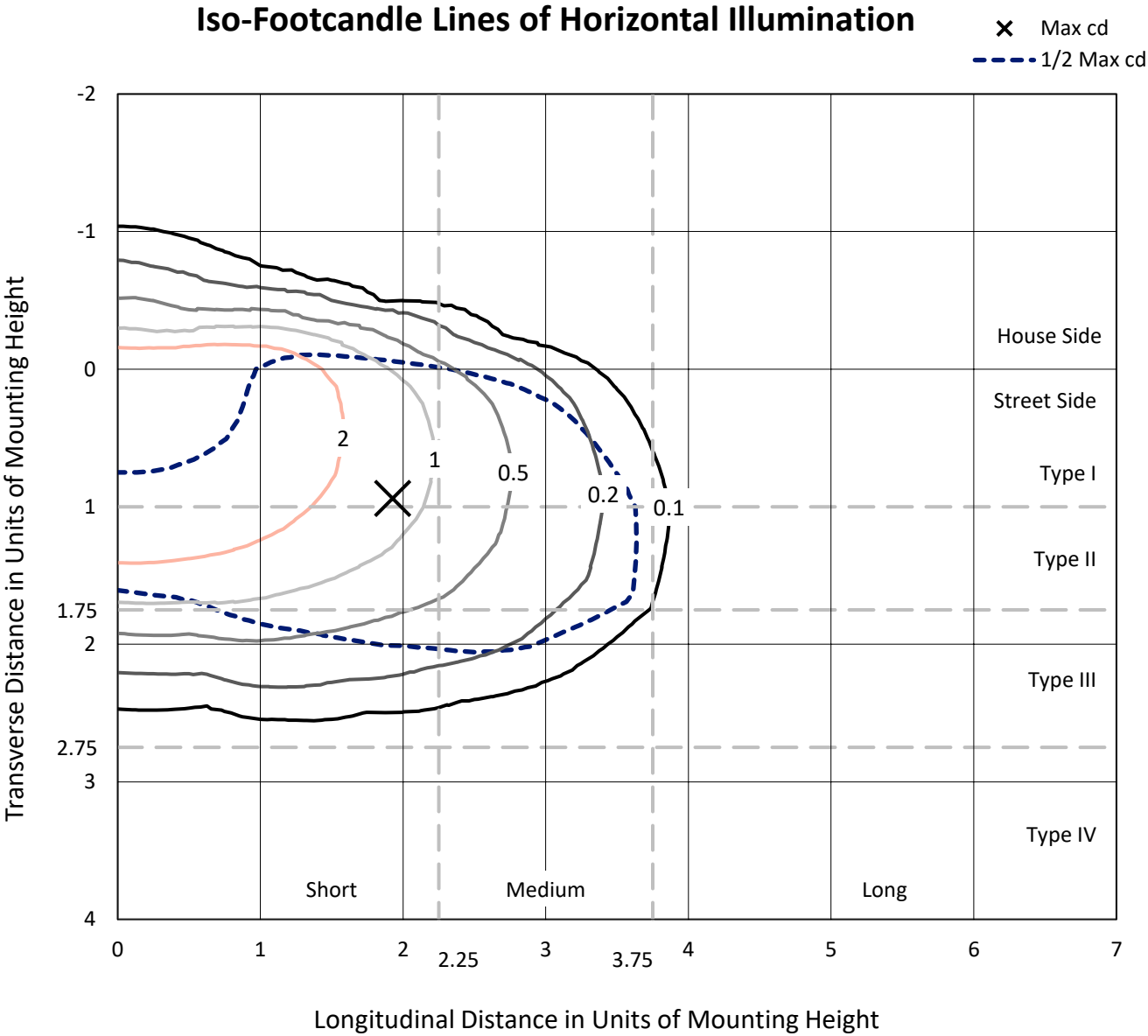
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14804 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 147.6
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

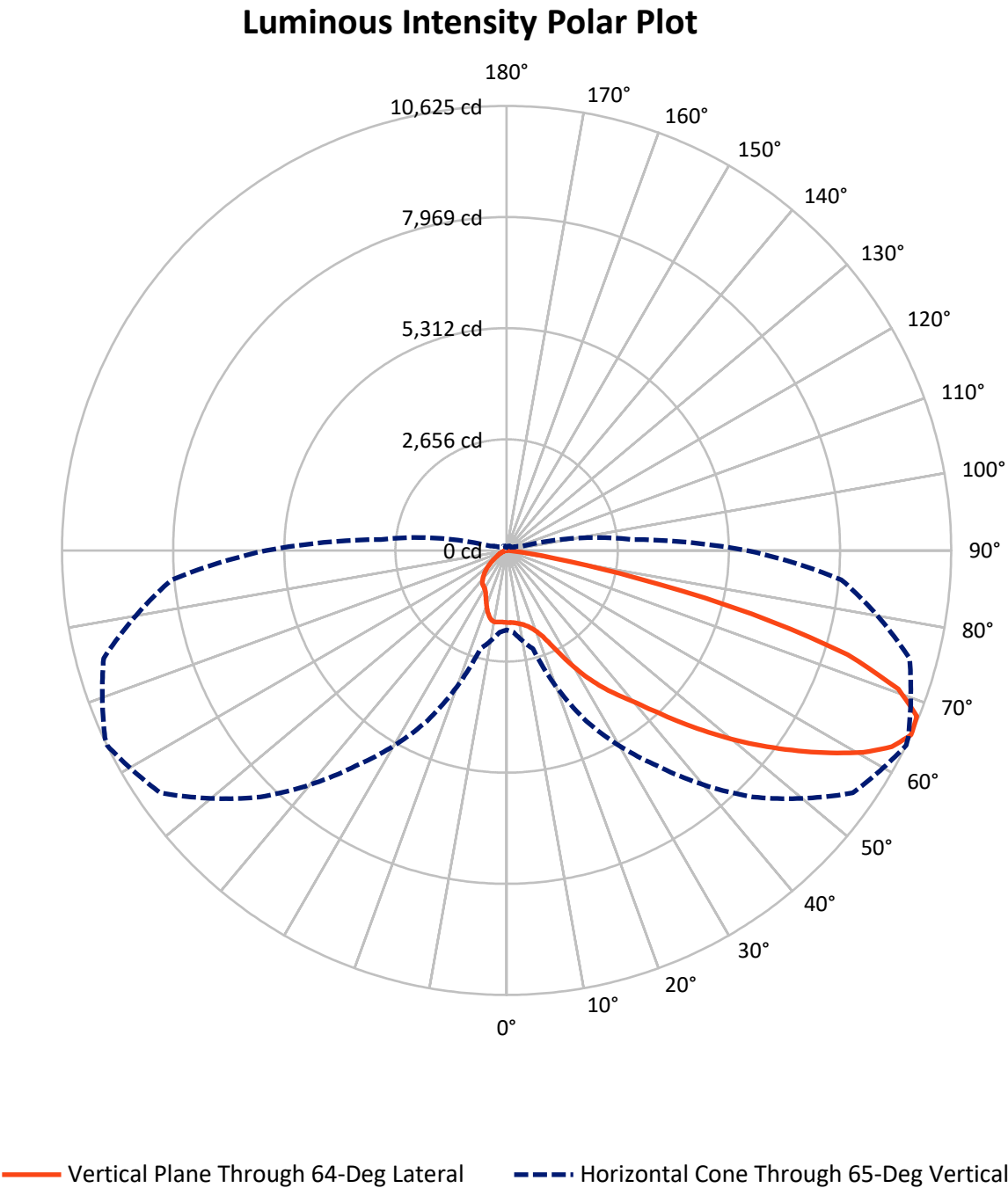


REPORT NUMBER: P939916
CATALOG NUMBER: GALN-SB2D-727-U-T3-HSS



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
Type III - Short - N/A

REPORT NUMBER: P939916
CATALOG NUMBER: GALN-SB2D-727-U-T3-HSS



REPORT NUMBER: P939916

CATALOG NUMBER: GALN-SB2D-727-U-T3-HSS

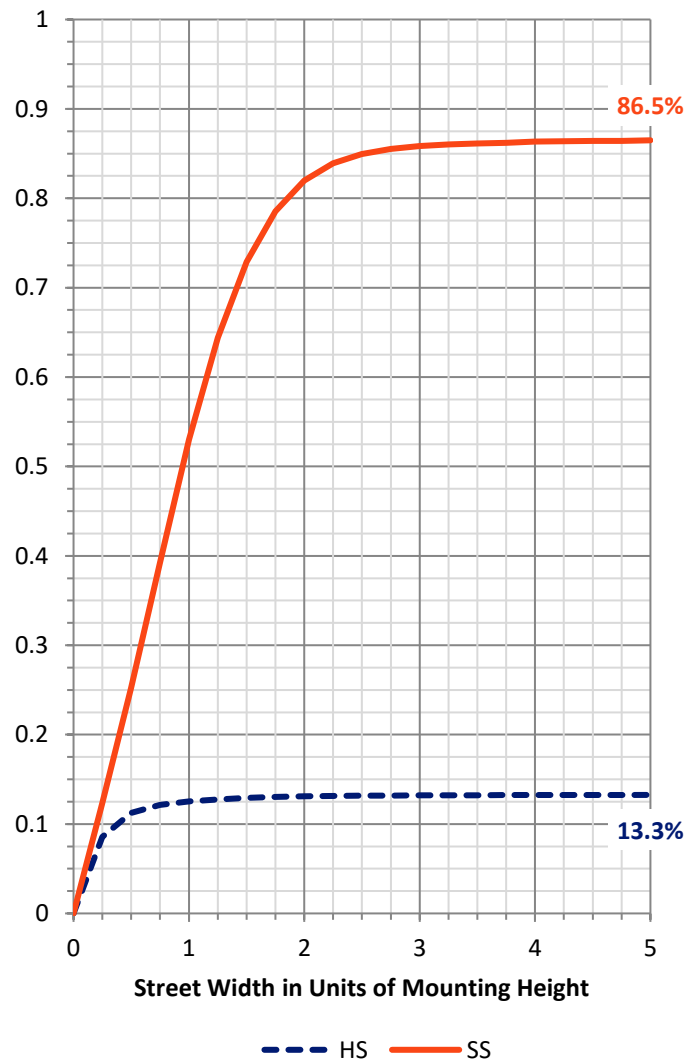
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1979.7	0.0	1979.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	12824.3	0.0	12824.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	14804.0	0.0	14804.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.9	1.1
10°-20°	430.9	2.9
20°-30°	816.5	5.5
30°-40°	1652.1	11.2
40°-50°	2814.4	19.0
50°-60°	3827.4	25.9
60°-70°	3594.1	24.3
70°-80°	1440.0	9.7
80°-90°	69.8	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°	14804.0	100.0
0°-180°	14804.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939916

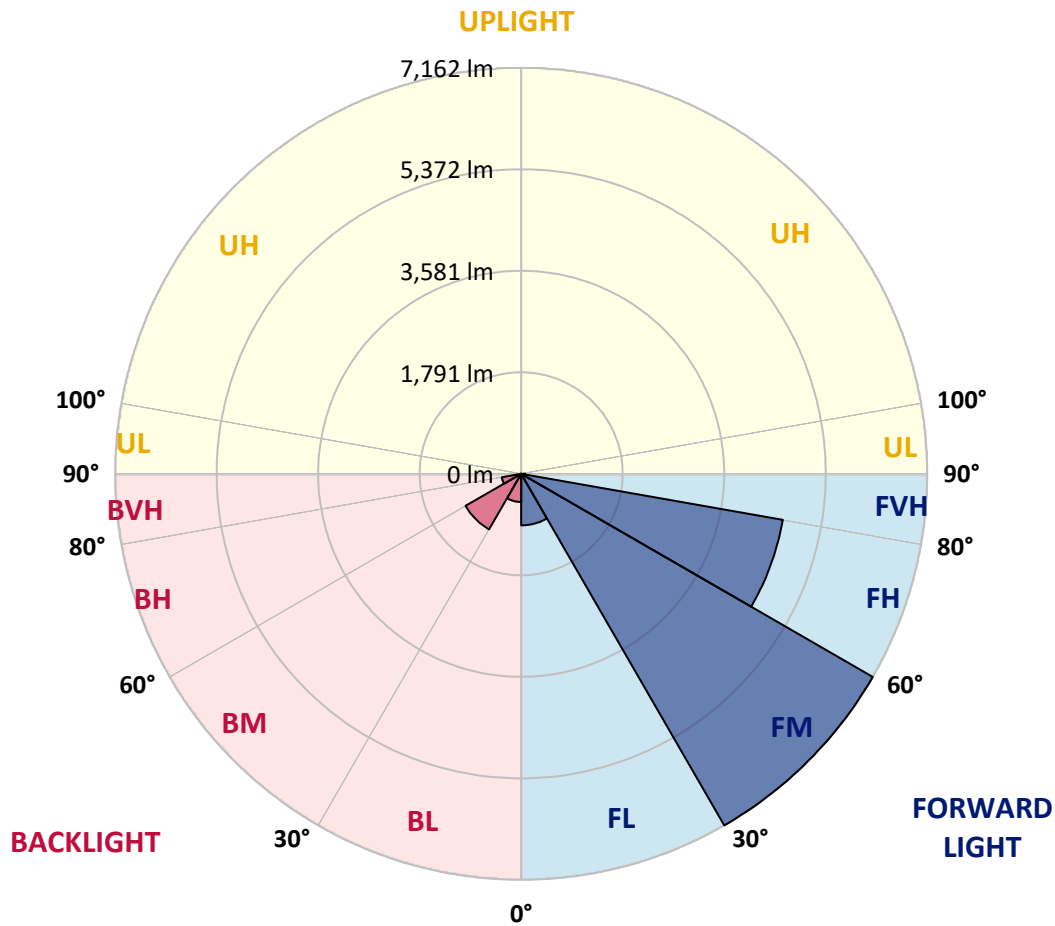
CATALOG NUMBER: GALN-SB2D-727-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	909.1	6.1			
FM	(30°-60°)	7162.2	48.4			
FH	(60°-80°)	4686.6	31.7			G2/5000
FVH	(80°-90°)	66.4	0.4			G1/100
BL	(0°-30°)	497.1	3.4	B1/500		
BM	(30°-60°)	1131.8	7.6	B2/2500		
BH	(60°-80°)	347.5	2.3	B1/500		G1/500
BVH	(80°-90°)	3.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



REPORT NUMBER: P939916

CATALOG NUMBER: GALN-SB2D-727-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9
2.5°	1715.9	1727.8	1724.8	1721.9	1720.9	1722.9	1723.8	1722.9	1722.9	1722.9	1723.8
5°	1683.2	1693.1	1693.1	1700.0	1709.9	1721.9	1730.8	1732.8	1734.8	1737.7	1736.7
7.5°	1620.6	1628.6	1634.5	1657.4	1682.2	1713.9	1740.7	1754.6	1756.6	1767.5	1771.5
10°	1578.0	1587.9	1597.8	1621.6	1657.4	1705.0	1750.6	1784.4	1789.3	1815.1	1827.1
12.5°	1576.0	1585.9	1598.8	1624.6	1666.3	1716.9	1772.5	1821.1	1830.0	1867.7	1892.6
15°	1596.8	1608.7	1620.6	1652.4	1697.0	1758.6	1818.1	1878.7	1887.6	1941.2	1968.0
17.5°	1639.5	1655.4	1664.3	1696.1	1743.7	1812.2	1890.6	1960.0	1968.0	2030.5	2064.2
20°	1723.8	1742.7	1745.7	1771.5	1818.1	1891.6	1984.9	2071.2	2081.1	2152.6	2190.3
22.5°	1898.5	1925.3	1901.5	1914.4	1956.1	2029.5	2130.7	2239.9	2253.8	2335.2	2368.9
25°	2206.2	2243.9	2182.3	2160.5	2178.4	2254.8	2381.8	2519.8	2535.6	2601.1	2618.0
27.5°	2810.6	2761.9	2668.6	2577.3	2523.7	2567.4	2710.3	2881.0	2900.9	2964.4	2944.5
30°	3474.5	3431.8	3305.8	3103.3	2976.3	2969.3	3101.3	3291.9	3314.7	3375.2	3314.7
32.5°	4139.4	4098.7	3961.8	3712.7	3492.3	3383.2	3474.5	3685.9	3697.8	3736.5	3647.2
35°	4793.4	4751.7	4614.8	4359.7	4088.8	3840.7	3822.8	4061.0	4065.0	4105.7	3972.7
37.5°	5451.4	5416.7	5270.8	5020.7	4753.7	4411.3	4245.6	4416.3	4421.3	4461.0	4323.0
40°	5920.8	5935.7	5835.5	5641.9	5412.7	5038.5	4720.0	4794.4	4764.6	4831.1	4748.8
42.5°	6323.7	6353.5	6266.2	6168.9	6035.9	5706.4	5307.5	5294.6	5247.0	5282.7	5197.3
45°	6672.1	6696.9	6618.5	6595.7	6592.7	6361.4	5949.6	5872.2	5805.7	5798.7	5696.5
47.5°	6800.1	6847.7	6881.5	6957.9	7106.8	7009.5	6613.5	6493.4	6419.0	6364.4	6202.7
50°	6848.7	6899.3	7014.5	7236.8	7589.1	7630.8	7274.5	7139.5	7048.2	6949.0	6710.8
52.5°	6783.2	6873.5	7028.4	7402.5	7913.6	8129.0	7908.6	7790.5	7686.3	7524.6	7171.3
55°	6397.2	6487.5	6804.1	7400.5	8075.4	8478.3	8508.1	8455.5	8338.4	8083.3	7543.4
57.5°	5583.4	5717.4	6218.5	7148.4	8072.4	8779.0	9095.6	9133.3	9002.3	8637.1	7836.2
60°	4456.0	4637.6	5248.9	6589.7	7823.3	8941.8	9610.7	9799.2	9660.3	9182.9	8073.4
62.5°	3109.3	3319.7	3898.2	5714.4	7253.6	8824.7	9986.8	10335.1	10229.9	9671.2	8164.7
65°	1896.5	1964.0	2430.5	4496.7	6285.0	8334.4	10102.9	10624.9	10590.2	9969.9	8029.7
67.5°	1263.4	1319.9	1453.9	3083.5	4878.8	7354.9	9825.0	10574.3	10584.2	9921.3	7535.5
70°	761.2	809.8	897.2	1793.3	3161.9	5821.6	8964.6	9929.2	9986.8	9271.2	6598.6
72.5°	313.6	346.4	425.8	812.8	1637.5	3694.8	7138.5	8524.9	8658.9	7795.5	5064.3
75°	177.6	194.5	250.1	407.9	710.6	1721.9	4324.0	6051.8	6249.3	5373.0	3046.7
77.5°	118.1	126.0	161.8	264.0	399.9	587.5	1847.9	3152.9	3530.1	2934.6	1318.9
80°	79.4	86.3	111.2	176.7	260.0	252.1	588.5	1168.1	1437.0	1008.3	321.5
82.5°	53.6	54.6	79.4	116.1	164.7	122.1	173.7	363.2	456.5	291.8	122.1
85°	30.8	29.8	58.6	67.5	73.4	50.6	52.6	109.2	142.9	123.1	69.5
87.5°	4.0	6.0	22.8	17.9	9.9	10.9	10.9	18.9	27.8	29.8	14.9
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: P939916

CATALOG NUMBER: GALN-SB2D-727-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9	1721.9
2.5°	1723.8	1722.9	1719.9	1716.9	1709.9	1706.0	1708.0	1706.0	1705.0	1706.0	1709.9
5°	1736.7	1733.8	1725.8	1715.9	1702.0	1685.1	1674.2	1658.3	1643.5	1634.5	1636.5
7.5°	1771.5	1768.5	1757.6	1729.8	1685.1	1614.7	1550.2	1493.6	1450.9	1426.1	1427.1
10°	1827.1	1822.1	1805.2	1743.7	1626.6	1472.8	1344.7	1238.5	1169.1	1136.3	1133.4
12.5°	1892.6	1886.6	1856.8	1730.8	1515.4	1275.3	1098.6	980.5	916.0	887.2	884.3
15°	1970.0	1962.0	1903.5	1669.3	1353.7	1056.9	895.2	806.8	765.2	739.4	740.3
17.5°	2066.2	2052.3	1938.2	1577.0	1178.0	890.2	770.1	703.6	666.9	642.1	640.1
20°	2191.3	2168.5	1966.0	1466.8	1016.2	785.0	685.8	630.2	602.4	580.6	576.6
22.5°	2365.9	2333.2	1999.7	1347.7	902.1	712.6	623.2	582.6	559.7	534.9	530.9
25°	2582.3	2543.6	2041.4	1237.6	823.7	650.0	577.6	543.8	517.1	488.3	485.3
27.5°	2885.0	2815.5	2091.0	1147.2	756.2	596.4	535.9	498.2	467.4	443.6	438.7
30°	3222.4	3108.3	2134.7	1092.7	694.7	546.8	481.3	443.6	414.8	398.0	395.0
32.5°	3542.0	3387.1	2163.5	1068.8	639.1	490.3	421.8	381.1	359.3	354.3	357.3
35°	3843.7	3639.2	2160.5	1046.0	589.5	433.7	363.2	321.5	304.7	307.7	307.7
37.5°	4191.0	3908.2	2139.7	1010.3	548.8	382.1	312.6	275.9	261.0	262.0	266.0
40°	4594.9	4218.8	2126.8	942.8	504.2	334.4	270.9	241.2	230.2	226.3	225.3
42.5°	5025.6	4519.5	2128.8	866.4	448.6	291.8	242.2	217.3	207.4	204.4	203.4
45°	5458.3	4806.3	2131.7	787.0	390.0	259.0	221.3	200.5	194.5	190.5	190.5
47.5°	5865.2	5050.5	2076.2	701.6	332.5	234.2	204.4	190.5	185.6	180.6	180.6
50°	6244.3	5213.2	1942.2	602.4	286.8	214.4	191.5	181.6	176.7	171.7	171.7
52.5°	6539.1	5239.0	1720.9	500.2	255.1	199.5	183.6	174.7	168.7	163.8	162.8
55°	6670.1	5077.3	1406.3	404.9	230.2	186.6	175.7	166.7	159.8	154.8	153.8
57.5°	6636.4	4736.8	1096.6	325.5	206.4	173.7	165.7	159.8	151.8	143.9	142.9
60°	6470.6	4281.3	826.7	270.9	184.6	159.8	154.8	149.9	138.9	127.0	125.0
62.5°	6183.8	3708.7	589.5	224.3	160.8	143.9	141.9	137.9	122.1	100.2	98.3
65°	5745.2	3013.0	397.0	186.6	137.9	126.0	127.0	120.1	99.2	74.4	72.4
67.5°	5104.0	2203.2	254.1	152.8	115.1	105.2	106.2	102.2	84.4	63.5	60.5
70°	4287.3	1458.9	165.7	116.1	92.3	81.4	87.3	88.3	71.5	51.6	49.6
72.5°	3143.0	861.4	116.1	86.3	67.5	56.6	71.5	73.4	57.6	38.7	36.7
75°	1791.3	408.9	87.3	62.5	41.7	39.7	55.6	55.6	39.7	25.8	23.8
77.5°	752.3	170.7	61.5	40.7	23.8	22.8	37.7	34.7	19.8	11.9	11.9
80°	217.3	76.4	32.8	19.8	9.9	8.9	14.9	10.9	5.0	2.0	2.0
82.5°	85.3	33.7	12.9	7.9	4.0	4.0	2.0	0.0	0.0	0.0	0.0
85°	50.6	13.9	6.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.9	3.0	2.0	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

(END OF REPORT)