

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: P940588

Luminaire Tested: **GALN-SB3D-722-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940588
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3D-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19097 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 218.1
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



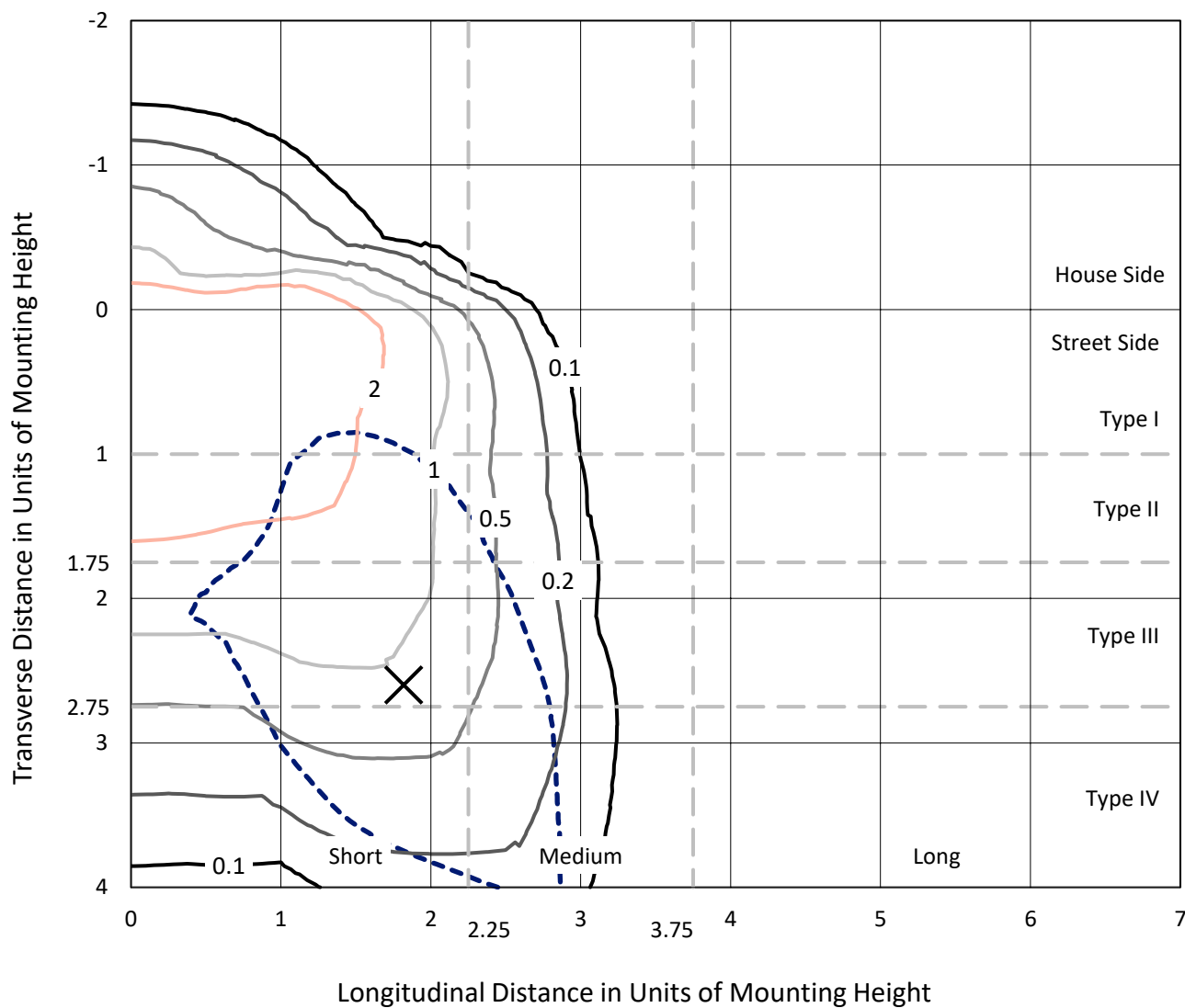
REPORT NUMBER: P940588

CATALOG NUMBER: GALN-SB3D-722-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

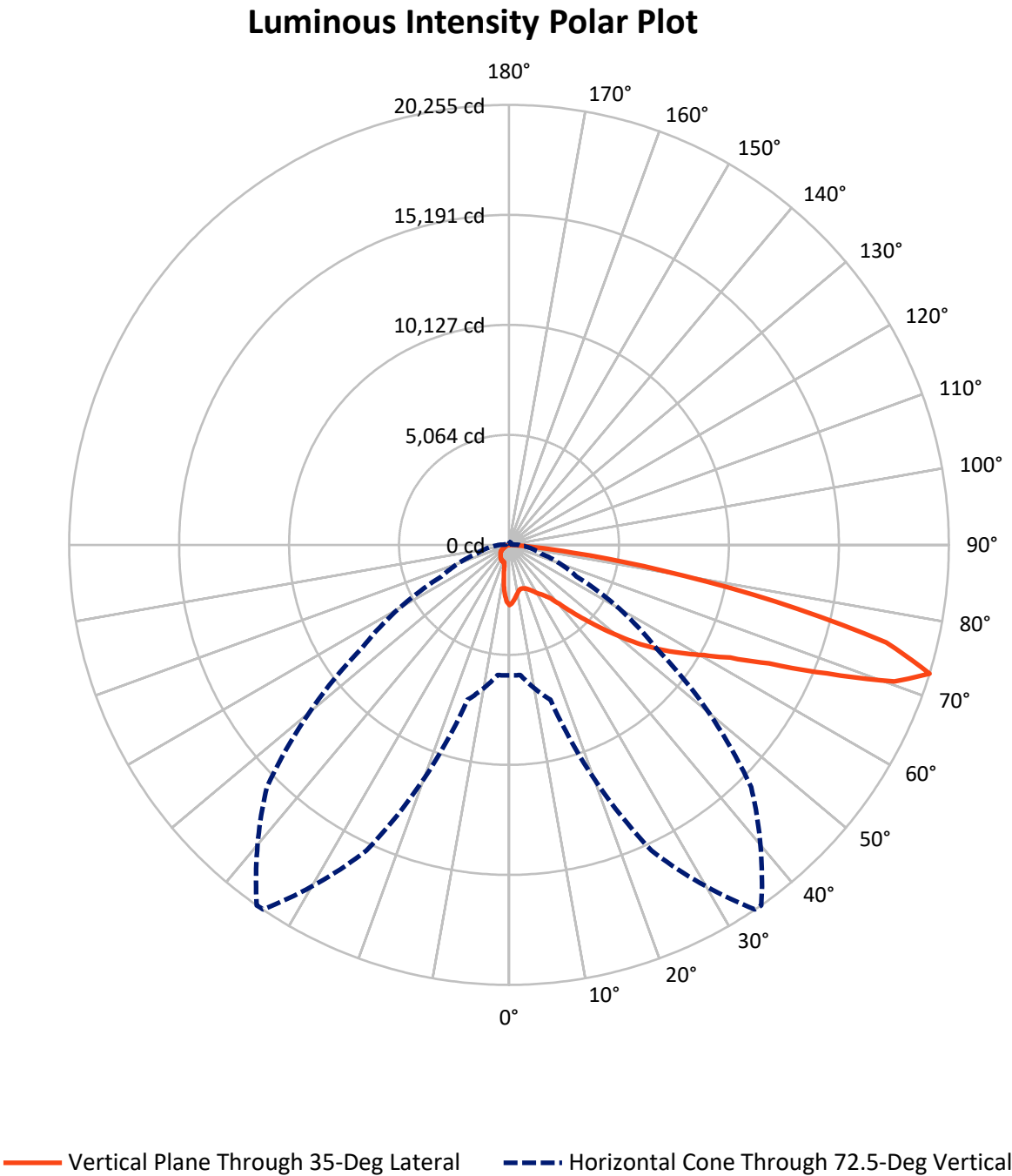
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc

Type IV - Short - N/A

REPORT NUMBER: P940588
CATALOG NUMBER: GALN-SB3D-722-U-T4FT-HSS



REPORT NUMBER: P940588

CATALOG NUMBER: GALN-SB3D-722-U-T4FT-HSS

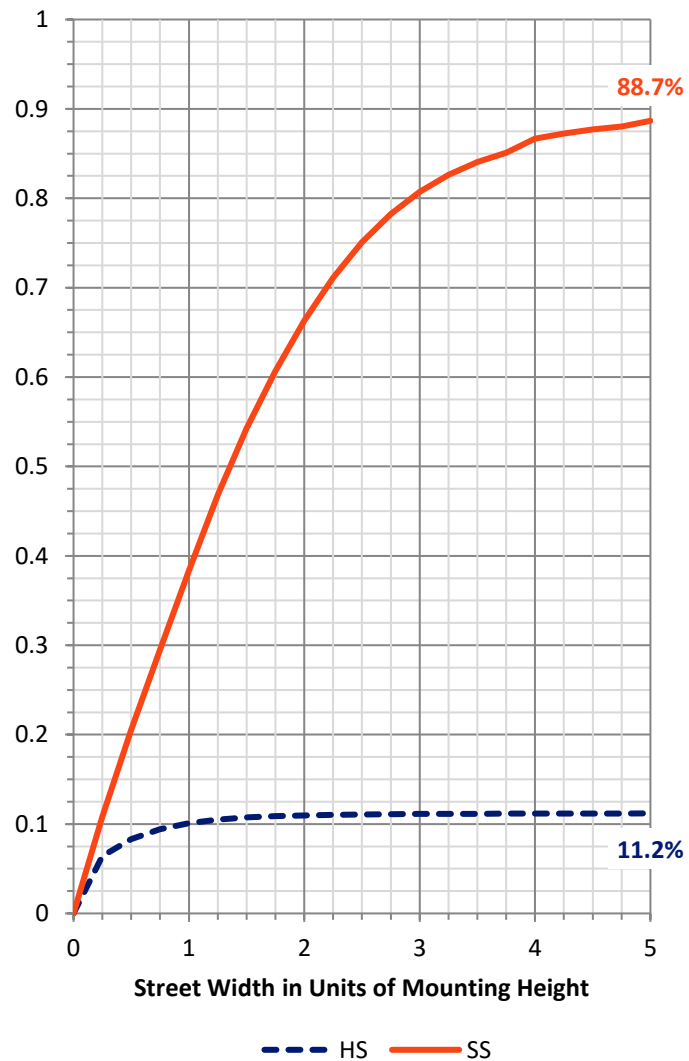
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2149.3	0.0	2149.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	16947.7	0.0	16947.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	19097.0	0.0	19097.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.4	1.2
10°-20°	532.1	2.8
20°-30°	864.3	4.5
30°-40°	1442.1	7.6
40°-50°	2728.5	14.3
50°-60°	4335.6	22.7
60°-70°	5363.5	28.1
70°-80°	3334.0	17.5
80°-90°	269.4	1.4
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°	19097.0	100.0
0°-180°	19097.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940588

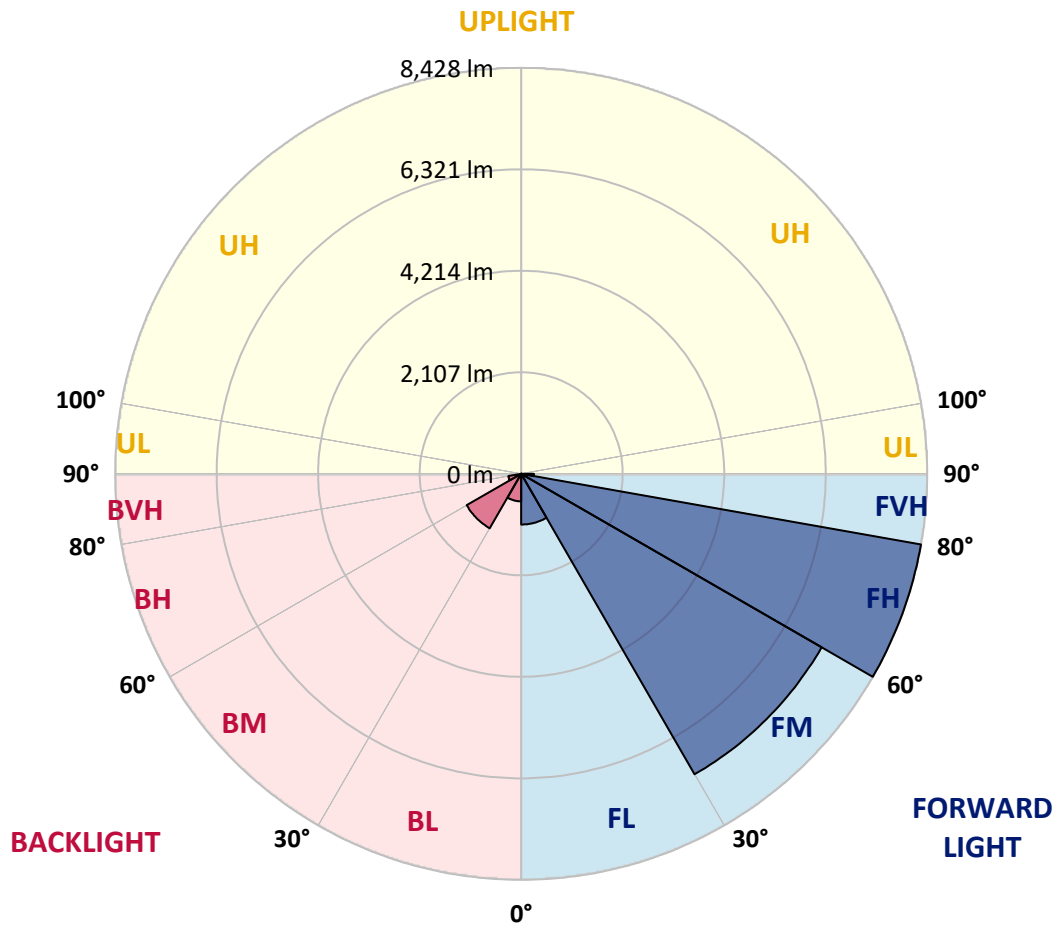
CATALOG NUMBER: GALN-SB3D-722-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1052.7	5.5			
FM	(30°-60°)	7201.5	37.7			
FH	(60°-80°)	8427.7	44.1			G4/12000
FVH	(80°-90°)	265.8	1.4			G3/500
BL	(0°-30°)	571.1	3.0	B2/1000		
BM	(30°-60°)	1304.8	6.8	B2/2500		
BH	(60°-80°)	269.7	1.4	B1/500		G1/500
BVH	(80°-90°)	3.7	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-G4

Type IV Short



REPORT NUMBER: P940588

CATALOG NUMBER: GALN-SB3D-722-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	2767.8	2767.8	2767.8	2767.8	2767.8	2767.8	2767.8	2767.8	2767.8	2767.8	2767.8
2.5°	2644.7	2667.0	2671.2	2678.2	2678.2	2686.6	2700.6	2720.2	2752.4	2769.2	2780.4
5°	2437.6	2454.4	2475.3	2492.1	2524.3	2528.5	2583.1	2636.3	2710.4	2766.4	2805.6
7.5°	2229.1	2248.7	2276.6	2317.2	2359.2	2371.8	2454.4	2543.9	2661.4	2766.4	2832.2
10°	2082.1	2083.5	2108.7	2149.3	2216.5	2231.9	2332.6	2460.0	2606.9	2749.6	2857.4
12.5°	1999.6	2009.4	2020.6	2051.4	2115.7	2125.5	2233.3	2383.0	2552.3	2739.8	2886.7
15°	1999.6	2006.6	2013.6	2029.0	2080.7	2089.1	2184.3	2334.0	2524.3	2744.0	2934.3
17.5°	2020.6	2031.8	2026.2	2044.4	2098.9	2104.5	2188.5	2320.0	2522.9	2770.6	3007.1
20°	2070.9	2079.3	2068.2	2079.3	2133.9	2145.1	2231.9	2346.6	2546.7	2816.8	3098.0
22.5°	2150.7	2154.9	2128.3	2136.7	2192.7	2206.7	2307.4	2422.2	2604.1	2890.9	3219.8
25°	2251.5	2259.9	2219.3	2229.1	2282.2	2299.0	2415.2	2535.5	2695.0	2993.1	3375.1
27.5°	2367.6	2371.8	2336.8	2335.4	2404.0	2427.8	2545.3	2675.4	2816.8	3121.8	3571.0
30°	2500.5	2513.1	2479.5	2473.9	2560.7	2580.3	2696.4	2847.6	2995.9	3314.9	3849.4
32.5°	2605.5	2615.3	2595.7	2609.7	2697.8	2713.2	2879.7	3091.0	3277.1	3589.2	4228.7
35°	2756.6	2762.2	2717.4	2742.6	2843.4	2882.5	3130.2	3432.5	3631.2	3933.4	4724.0
37.5°	3303.7	3303.7	3113.4	2988.9	3085.4	3120.4	3473.0	3862.0	4067.7	4395.2	5348.1
40°	4060.7	4048.1	3769.7	3515.0	3502.4	3571.0	3961.4	4403.6	4631.6	4949.3	6050.5
42.5°	4868.1	4848.5	4469.3	4217.5	4175.5	4199.3	4525.3	5071.0	5303.3	5625.1	6806.1
45°	5584.6	5579.0	5231.9	4893.3	4817.8	4893.3	5229.1	5851.8	6018.3	6357.0	7560.4
47.5°	6184.9	6184.9	5931.6	5710.5	5671.3	5716.1	6182.1	6718.0	6702.6	7136.4	8295.0
50°	6876.1	6870.5	6629.8	6534.7	6575.3	6638.2	7279.1	7630.3	7410.6	7901.8	8951.3
52.5°	7360.3	7393.8	7311.3	7295.9	7503.0	7612.1	8392.9	8523.1	8044.5	8628.0	9442.4
55°	7743.7	7782.9	7878.0	7985.7	8384.5	8527.3	9471.8	9369.6	8574.8	9257.7	9725.1
57.5°	8286.6	8230.6	8377.5	8590.2	9235.3	9407.4	10517.1	10168.6	9001.6	9768.4	9755.8
60°	8945.7	8954.1	8979.2	9247.9	10084.7	10305.8	11546.9	10924.3	9275.9	10081.9	9414.4
62.5°	9737.7	9750.3	9802.0	10214.8	11225.1	11433.6	12644.0	11542.7	9401.8	9993.7	8532.9
65°	9683.1	9736.3	10314.2	11726.1	12958.8	13164.5	13924.3	11976.5	9211.5	9187.7	6947.5
67.5°	8821.1	8907.9	9874.8	13531.1	15572.7	15802.2	15471.9	12061.9	8390.1	7144.8	4532.3
70°	7690.5	7721.3	8884.1	15154.3	18599.4	18831.6	16857.2	11123.0	6366.8	3985.2	2030.4
72.5°	6005.8	6012.7	7377.1	15530.7	20242.1	20254.7	15770.0	8257.2	3424.1	1530.8	705.2
75°	4290.2	4248.2	4940.9	12595.0	17808.8	17951.5	11822.6	3873.2	1308.3	723.4	351.2
77.5°	2300.4	2346.6	2795.8	7469.4	12302.6	12546.0	6450.7	1116.6	666.1	492.6	232.3
80°	710.8	750.0	1146.0	3419.9	6968.5	7115.4	2391.4	496.7	464.6	351.2	152.5
82.5°	223.9	232.3	534.5	1437.1	2892.3	2959.5	692.6	281.3	317.6	232.3	89.6
85°	64.4	65.8	237.9	535.9	715.0	729.0	194.5	109.1	181.9	144.1	46.2
87.5°	7.0	22.4	89.6	89.6	63.0	61.6	21.0	23.8	51.8	18.2	8.4
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: P940588

CATALOG NUMBER: GALN-SB3D-722-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2767.8	2767.8	2767.8	2767.8	2767.8	2767.8	2767.8	2767.8	2767.8	2767.8	2767.8
2.5°	2773.4	2774.8	2756.6	2725.8	2692.2	2664.2	2629.3	2601.3	2581.7	2576.1	2585.9
5°	2793.0	2783.2	2731.4	2637.7	2525.7	2429.2	2321.4	2236.1	2180.1	2156.3	2164.7
7.5°	2822.4	2794.4	2681.0	2496.3	2282.2	2091.9	1898.8	1749.1	1654.0	1606.4	1613.4
10°	2847.6	2791.6	2597.1	2292.0	1964.6	1676.3	1416.1	1235.6	1134.8	1087.2	1088.6
12.5°	2871.3	2790.2	2487.9	2050.0	1606.4	1253.8	1011.7	922.1	894.1	884.4	881.6
15°	2916.1	2794.4	2350.8	1772.9	1249.6	947.3	859.2	857.8	863.4	860.6	859.2
17.5°	2977.7	2798.6	2195.5	1479.0	964.1	835.4	831.2	843.8	852.2	848.0	846.6
20°	3057.4	2815.4	2030.4	1188.0	828.4	807.4	817.2	828.4	835.4	828.4	827.0
22.5°	3169.4	2844.8	1849.9	954.3	785.0	790.6	799.0	811.6	818.6	808.8	807.4
25°	3306.5	2890.9	1672.2	829.8	764.0	771.0	783.6	797.6	806.0	796.2	794.8
27.5°	3484.2	2965.1	1508.4	801.8	743.0	747.2	765.4	786.4	797.6	785.0	785.0
30°	3741.7	3086.8	1367.1	814.4	730.4	720.6	745.8	775.2	787.8	776.6	775.2
32.5°	4083.1	3258.9	1280.4	834.0	724.8	689.8	713.6	751.4	772.4	765.4	765.4
35°	4530.9	3520.6	1246.8	856.4	720.6	657.7	674.5	715.0	751.4	758.4	758.4
37.5°	5073.8	3884.4	1256.6	866.2	708.0	631.1	639.5	674.5	722.0	744.4	750.0
40°	5690.9	4308.4	1312.5	856.4	694.0	608.7	610.1	636.7	678.7	712.2	723.4
42.5°	6327.6	4803.8	1416.1	820.0	681.5	589.1	584.9	603.1	631.1	654.9	664.7
45°	6933.5	5313.1	1518.2	769.6	666.1	569.5	559.7	566.7	572.3	582.1	587.7
47.5°	7462.4	5671.3	1488.8	723.4	645.1	547.1	530.3	527.5	510.7	509.3	507.9
50°	7827.6	5749.7	1322.3	677.3	614.3	521.9	495.3	478.6	449.2	435.2	436.6
52.5°	7943.8	5440.4	1080.3	631.1	563.9	488.4	450.6	424.0	387.6	375.0	373.6
55°	7789.8	4834.5	863.4	575.1	493.9	443.6	401.6	366.6	337.2	321.8	321.8
57.5°	7413.4	4063.5	682.9	509.3	419.8	393.2	351.2	316.2	291.1	275.7	272.9
60°	6789.4	3226.8	540.1	431.0	358.2	338.6	295.3	272.9	250.5	232.3	228.1
62.5°	5842.0	2303.2	424.0	341.4	299.4	277.1	251.9	235.1	208.5	183.3	179.1
65°	4558.9	1409.1	327.4	250.5	240.7	229.5	214.1	198.7	166.5	141.3	137.1
67.5°	2875.5	667.5	233.7	188.9	190.3	184.7	177.7	165.1	141.3	118.9	116.1
70°	1266.4	323.2	153.9	144.1	141.3	141.3	146.9	142.7	120.3	99.3	95.2
72.5°	431.0	173.5	114.7	109.1	102.1	100.7	123.1	118.9	96.6	77.0	72.8
75°	225.3	116.1	84.0	78.4	61.6	74.2	98.0	92.4	68.6	50.4	46.2
77.5°	146.9	82.6	57.4	50.4	35.0	49.0	72.8	64.4	40.6	25.2	22.4
80°	92.4	54.6	33.6	23.8	16.8	26.6	39.2	28.0	15.4	5.6	4.2
82.5°	49.0	28.0	12.6	8.4	7.0	8.4	9.8	7.0	2.8	0.0	0.0
85°	19.6	9.8	4.2	2.8	1.4	0.0	2.8	1.4	0.0	0.0	0.0
87.5°	7.0	1.4	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

(END OF REPORT)