

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: P952340

Luminaire Tested: **GALN-SB6B-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23884 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

Input Watts (W): 220.4
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

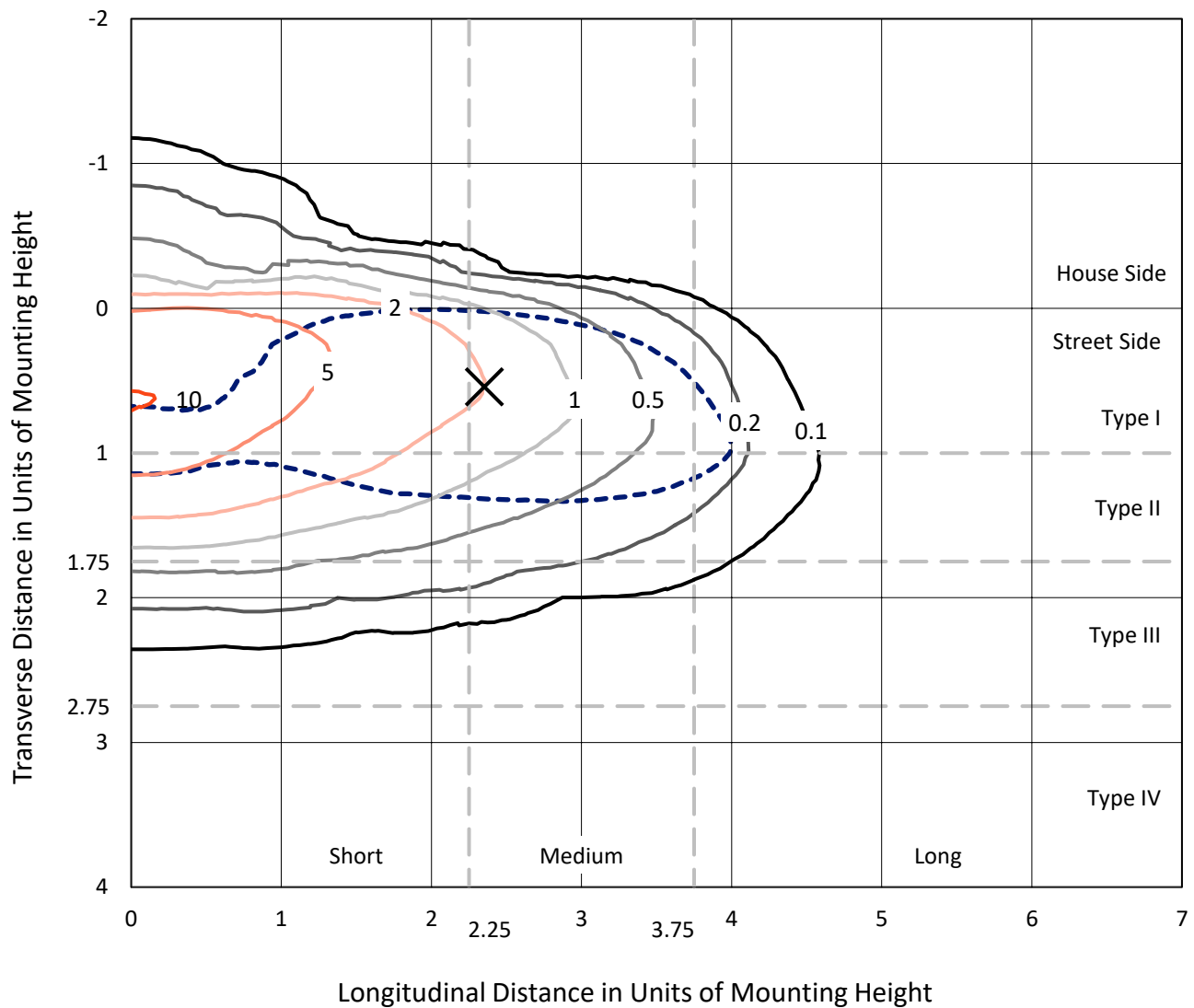


REPORT NUMBER: P952340

CATALOG NUMBER: GALN-SB6B-722-U-T2R-HSS

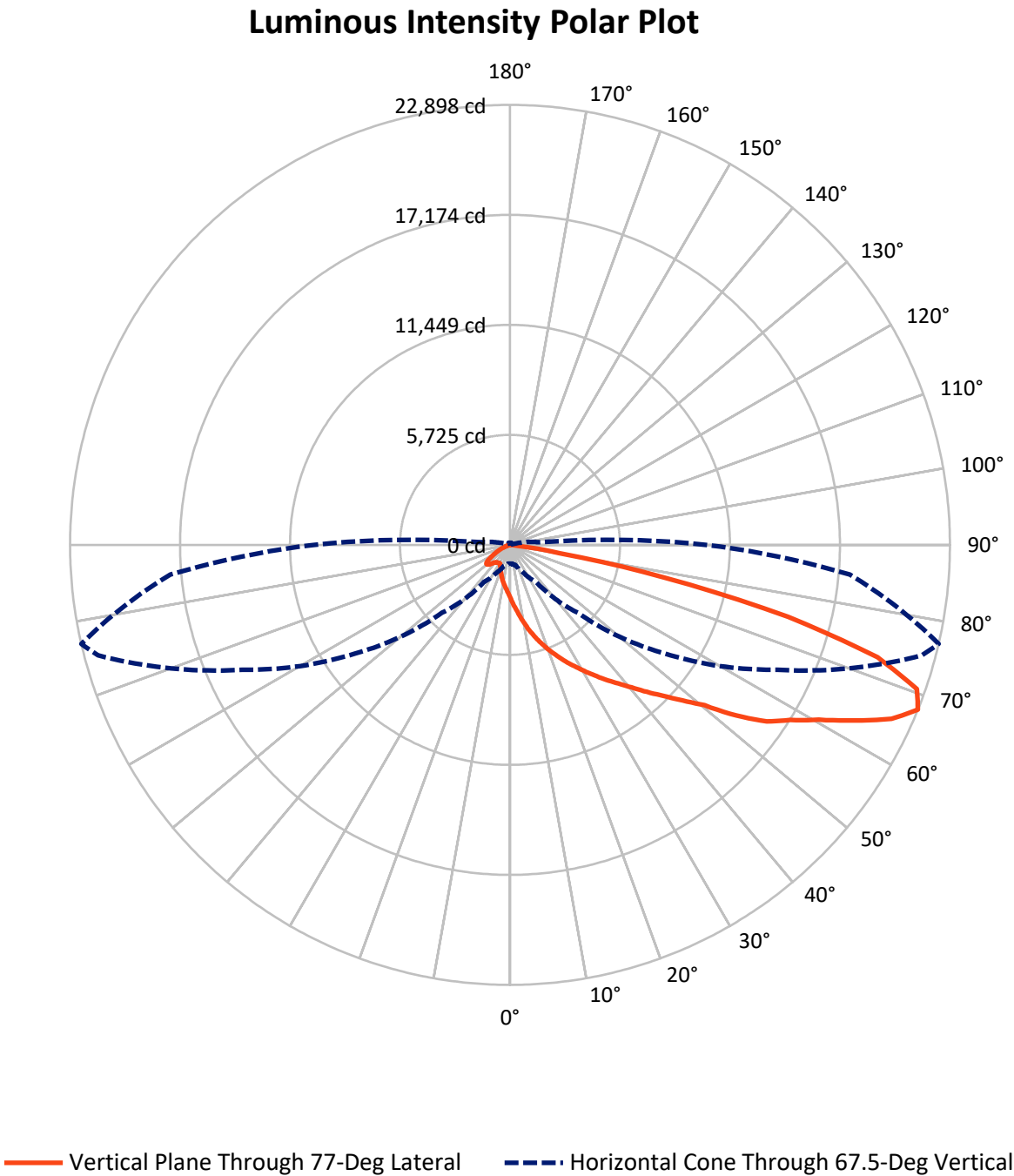
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
Type II - Medium - N/A

REPORT NUMBER: P952340
CATALOG NUMBER: GALN-SB6B-722-U-T2R-HSS



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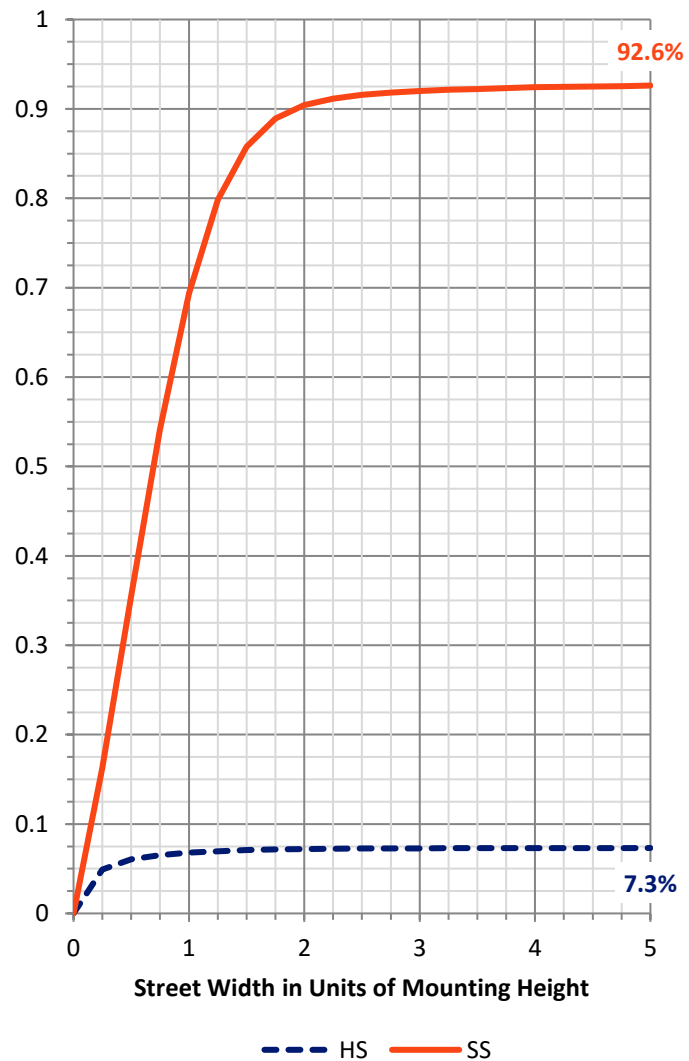
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1757.2	0.0	1757.2
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	22126.8	0.0	22126.8
	% Fixture	92.6	0.0	92.6
Total	Lumens	23884.0	0.0	23884.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.1	1.2
10°-20°	984.4	4.1
20°-30°	1899.6	8.0
30°-40°	3297.9	13.8
40°-50°	4788.3	20.0
50°-60°	5498.8	23.0
60°-70°	4774.0	20.0
70°-80°	2248.6	9.4
80°-90°	111.2	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°	23884.0	100.0
0°-180°	23884.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952340

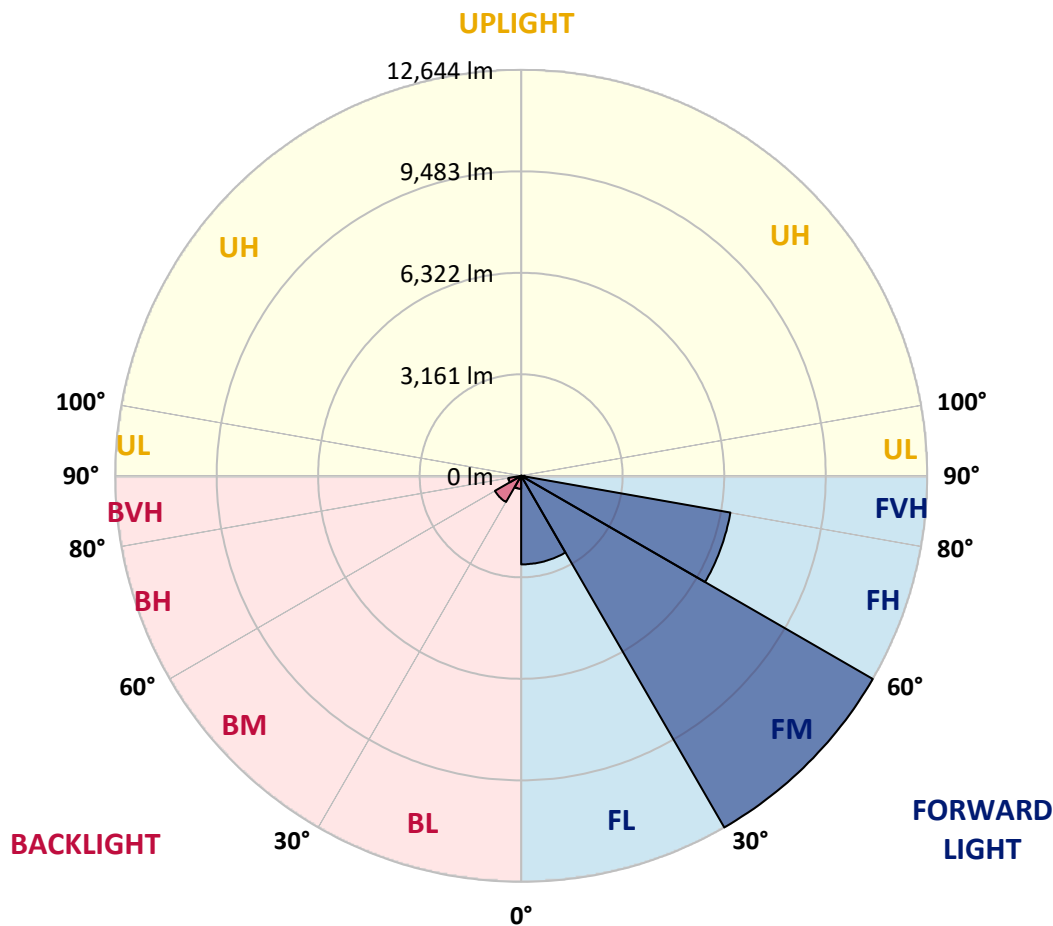
CATALOG NUMBER: GALN-SB6B-722-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2758.3	11.5			
FM	(30°-60°)	12643.5	52.9			
FH	(60°-80°)	6615.8	27.7			G3/7500
FVH	(80°-90°)	109.2	0.5			G2/225
BL	(0°-30°)	406.8	1.7	B1/500		
BM	(30°-60°)	941.5	3.9	B1/1000		
BH	(60°-80°)	406.8	1.7	B1/500		G1/500
BVH	(80°-90°)	2.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type II Medium



REPORT NUMBER: P952340

CATALOG NUMBER: GALN-SB6B-722-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2754.2	2754.2	2754.2	2754.2	2754.2	2754.2	2754.2	2754.2	2754.2	2754.2	2754.2
2.5°	3813.1	3836.9	3802.8	3737.5	3639.6	3575.8	3420.1	3273.3	3110.1	3058.2	2895.1
5°	4648.1	4668.9	4630.3	4559.1	4428.6	4304.0	4099.4	3792.4	3473.5	3371.2	3081.9
7.5°	5266.6	5278.5	5263.6	5198.4	5073.8	4932.9	4704.5	4341.1	3868.0	3755.3	3311.8
10°	5711.5	5750.1	5745.7	5720.4	5637.4	5523.2	5280.0	4866.2	4310.0	4164.6	3571.4
12.5°	6006.7	6049.7	6074.9	6131.3	6126.8	6054.1	5840.6	5403.1	4750.5	4579.9	3863.6
15°	6092.7	6138.7	6235.1	6365.6	6481.3	6518.4	6368.6	5929.6	5235.5	5017.4	4163.2
17.5°	6043.8	6115.0	6230.6	6436.8	6690.4	6858.0	6841.7	6438.3	5675.9	5426.8	4456.8
20°	6152.0	6220.3	6310.7	6484.3	6779.4	7083.4	7205.1	6924.7	6113.5	5852.4	4765.3
22.5°	6751.2	6739.4	6748.3	6776.4	6952.9	7254.0	7504.6	7366.7	6546.5	6279.6	5091.6
25°	7700.4	7647.0	7556.6	7403.8	7359.3	7504.6	7765.7	7758.3	7003.3	6717.1	5425.3
27.5°	8789.0	8780.1	8568.1	8200.2	7992.6	7936.2	8060.8	8139.4	7455.7	7150.2	5760.5
30°	9831.7	9855.4	9569.2	9159.8	8778.7	8557.7	8445.0	8501.3	7915.5	7617.4	6106.1
32.5°	10739.4	10764.6	10453.1	9974.1	9502.4	9235.5	8998.2	8858.7	8416.8	8092.0	6485.7
35°	11506.1	11531.4	11173.9	10644.4	10141.7	9899.9	9631.5	9250.3	8921.0	8618.5	6908.4
37.5°	12191.3	12183.9	11704.9	11171.0	10677.1	10485.7	10344.8	9732.3	9440.1	9148.0	7377.1
40°	12596.2	12627.4	12218.0	11629.2	11150.2	11010.8	11001.9	10330.0	10039.3	9756.0	7890.3
42.5°	12714.9	12769.8	12473.1	11989.6	11555.1	11403.8	11636.7	10976.7	10736.4	10460.5	8470.2
45°	12501.3	12554.7	12419.7	12084.6	11830.9	11733.1	12182.4	11647.0	11480.9	11208.0	9124.2
47.5°	11878.4	11945.1	11977.8	11906.6	11903.6	12003.0	12671.9	12353.0	12364.9	12086.0	9882.1
50°	10672.6	10785.3	11084.9	11337.1	11727.1	12216.6	13148.0	13118.3	13361.5	13121.3	10869.9
52.5°	8480.5	8640.7	9673.0	10362.6	11239.2	12176.5	13671.5	14346.3	15110.1	14758.6	12262.5
55°	6815.0	6815.0	7654.4	8944.8	10287.0	11912.5	13899.9	15144.3	16301.1	16218.0	13242.9
57.5°	5555.8	5622.6	6158.0	7298.5	8909.2	11283.7	14040.8	15645.6	17260.7	17199.9	14201.0
60°	3429.0	3572.9	4584.4	5710.1	7341.5	10163.9	13951.8	16152.8	18424.9	18473.9	15354.9
62.5°	1931.0	1984.4	2435.3	4108.3	5708.6	8658.5	13271.1	16436.1	19914.0	20121.7	16544.3
65°	1333.3	1360.0	1533.6	2556.9	3957.0	6893.6	11940.7	16259.6	21406.0	21825.8	17552.9
67.5°	968.5	981.8	1090.1	1561.7	2347.8	4998.2	9855.4	15369.7	22196.6	22898.1	17745.7
70°	744.5	753.4	832.0	1026.3	1386.7	3084.9	7157.6	13600.3	21624.1	22462.0	16757.9
72.5°	605.1	614.0	674.8	759.4	919.5	1824.3	4338.2	11044.9	19096.8	20001.5	14266.2
75°	510.2	522.1	576.9	631.8	720.8	1171.7	2034.9	7691.5	14361.2	14954.4	9920.7
77.5°	283.3	261.0	468.7	523.5	608.1	741.6	952.2	4526.5	8043.0	8207.7	4401.9
80°	176.5	182.4	372.3	421.2	467.2	373.7	436.0	1742.7	2788.3	2648.9	852.8
82.5°	10.4	23.7	286.2	304.0	320.4	160.2	164.6	591.8	671.9	617.0	151.3
85°	0.0	0.0	130.5	105.3	111.2	46.0	47.5	137.9	90.5	97.9	29.7
87.5°	0.0	0.0	0.0	3.0	0.0	4.4	8.9	11.9	4.4	5.9	10.4
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: P952340

CATALOG NUMBER: GALN-SB6B-722-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2754.2	2754.2	2754.2	2754.2	2754.2	2754.2	2754.2	2754.2	2754.2	2754.2	2754.2
2.5°	2791.3	2687.4	2476.8	2270.7	2103.1	1947.4	1836.1	1730.8	1677.4	1674.5	1671.5
5°	2875.8	2657.8	2236.6	1864.3	1564.7	1324.4	1168.7	1057.5	1001.1	981.8	978.9
7.5°	2994.4	2666.7	2026.0	1508.3	1155.4	949.2	860.2	824.6	812.8	799.4	796.4
10°	3144.2	2687.4	1837.6	1214.7	910.6	806.8	771.2	756.4	747.5	738.6	735.6
12.5°	3311.8	2706.7	1650.7	1008.5	800.9	747.5	722.3	704.5	692.6	682.2	679.3
15°	3475.0	2718.6	1456.4	864.7	744.5	701.5	674.8	655.5	639.2	627.4	625.9
17.5°	3636.6	2734.9	1274.0	778.6	698.6	655.5	628.8	605.1	591.8	578.4	576.9
20°	3816.1	2731.9	1102.0	717.8	652.6	609.6	581.4	559.1	545.8	531.0	529.5
22.5°	3982.2	2717.1	950.7	665.9	605.1	563.6	532.4	510.2	496.8	485.0	483.5
25°	4173.5	2705.2	824.6	618.5	560.6	519.1	485.0	464.2	449.4	439.0	437.5
27.5°	4357.4	2687.4	732.7	575.5	517.6	477.6	444.9	421.2	407.9	400.4	400.4
30°	4538.4	2683.0	698.6	533.9	479.1	439.0	406.4	384.1	373.7	370.8	369.3
32.5°	4756.4	2694.9	713.4	519.1	443.5	403.4	372.3	356.0	345.6	345.6	345.6
35°	4989.3	2691.9	735.6	532.4	419.7	367.8	344.1	333.7	323.3	323.3	323.3
37.5°	5281.4	2696.3	753.4	554.7	410.8	338.2	324.8	311.5	305.5	305.5	305.5
40°	5717.5	2843.2	744.5	574.0	407.9	317.4	290.7	286.2	281.8	281.8	281.8
42.5°	6251.4	3162.0	756.4	575.5	406.4	302.6	267.0	275.9	265.5	264.0	262.5
45°	6835.8	3510.6	832.0	544.3	404.9	295.1	255.1	265.5	249.2	249.2	249.2
47.5°	7415.7	3856.1	909.2	499.8	400.4	293.7	244.7	238.8	234.3	235.8	235.8
50°	8215.1	4137.9	938.8	439.0	390.1	290.7	225.4	226.9	224.0	226.9	226.9
52.5°	9085.7	4197.3	903.2	370.8	360.4	281.8	212.1	218.0	216.5	219.5	219.5
55°	9628.5	4133.5	746.0	308.5	314.4	246.2	198.7	210.6	210.6	210.6	210.6
57.5°	10189.1	3862.1	529.5	250.6	261.0	201.7	186.9	203.2	201.7	200.2	200.2
60°	10592.5	3423.1	348.5	206.2	207.6	166.1	173.5	191.3	189.8	182.4	182.4
62.5°	10893.6	2938.1	224.0	175.0	158.7	149.8	158.7	173.5	167.6	151.3	148.3
65°	10859.5	2266.2	172.0	149.8	130.5	130.5	137.9	151.3	133.5	106.8	103.8
67.5°	10226.2	1533.6	142.4	126.1	109.8	108.3	114.2	126.1	114.2	90.5	87.5
70°	9094.6	1002.6	114.2	97.9	87.5	80.1	92.0	108.3	96.4	72.7	69.7
72.5°	7381.5	611.1	86.0	71.2	63.8	51.9	72.7	89.0	77.1	53.4	50.4
75°	4775.7	311.5	59.3	46.0	34.1	31.1	53.4	66.7	53.4	32.6	28.2
77.5°	1827.2	130.5	32.6	20.8	17.8	14.8	29.7	40.0	22.2	7.4	5.9
80°	351.5	54.9	16.3	10.4	8.9	5.9	4.4	3.0	0.0	0.0	0.0
82.5°	60.8	17.8	5.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	20.8	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.4	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

(END OF REPORT)