

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: P944666

Luminaire Tested: **GALN-SB9D-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944666
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-SB9D-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 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: 60050 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 658
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



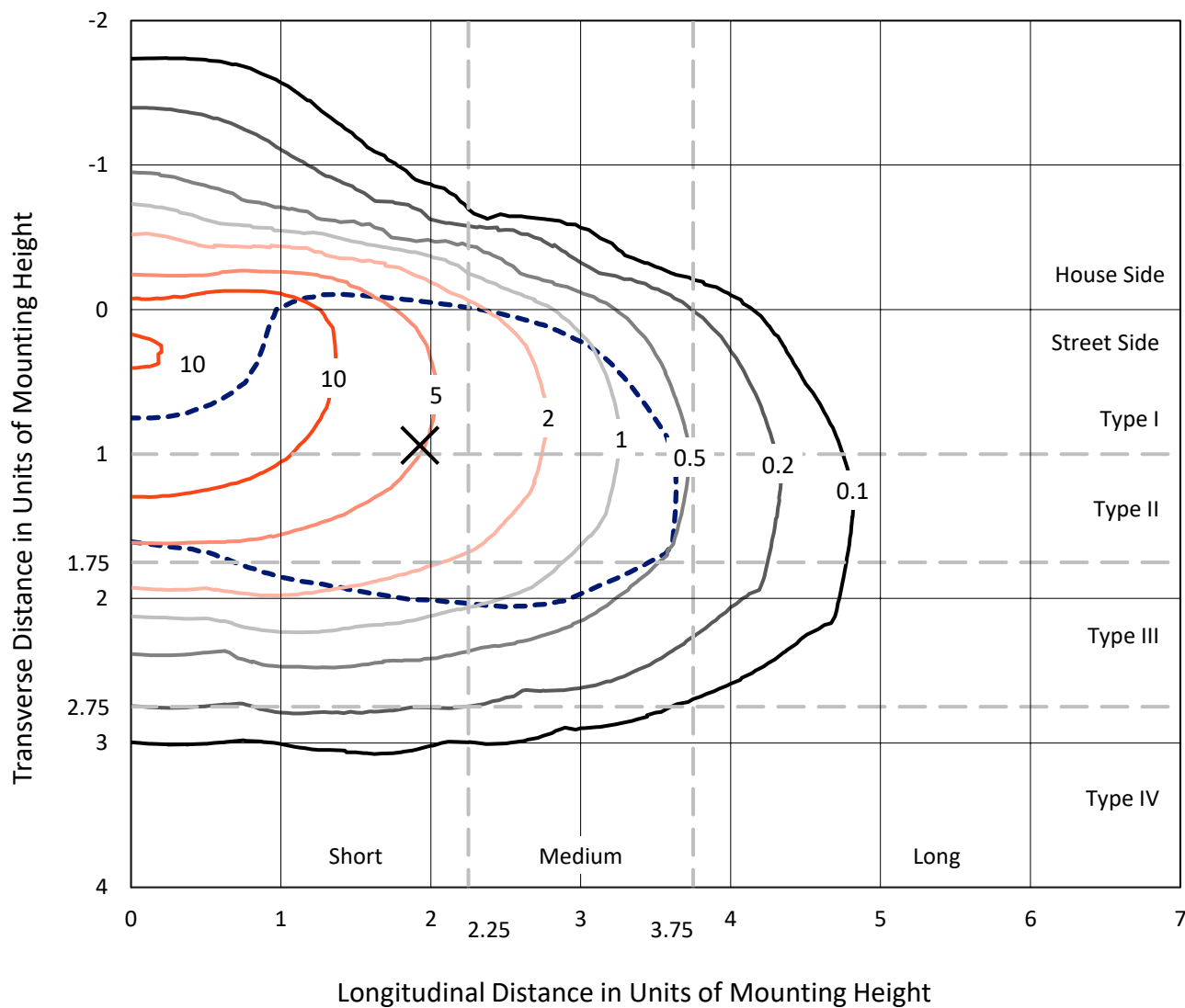
REPORT NUMBER: P944666

CATALOG NUMBER: GALN-SB9D-722-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

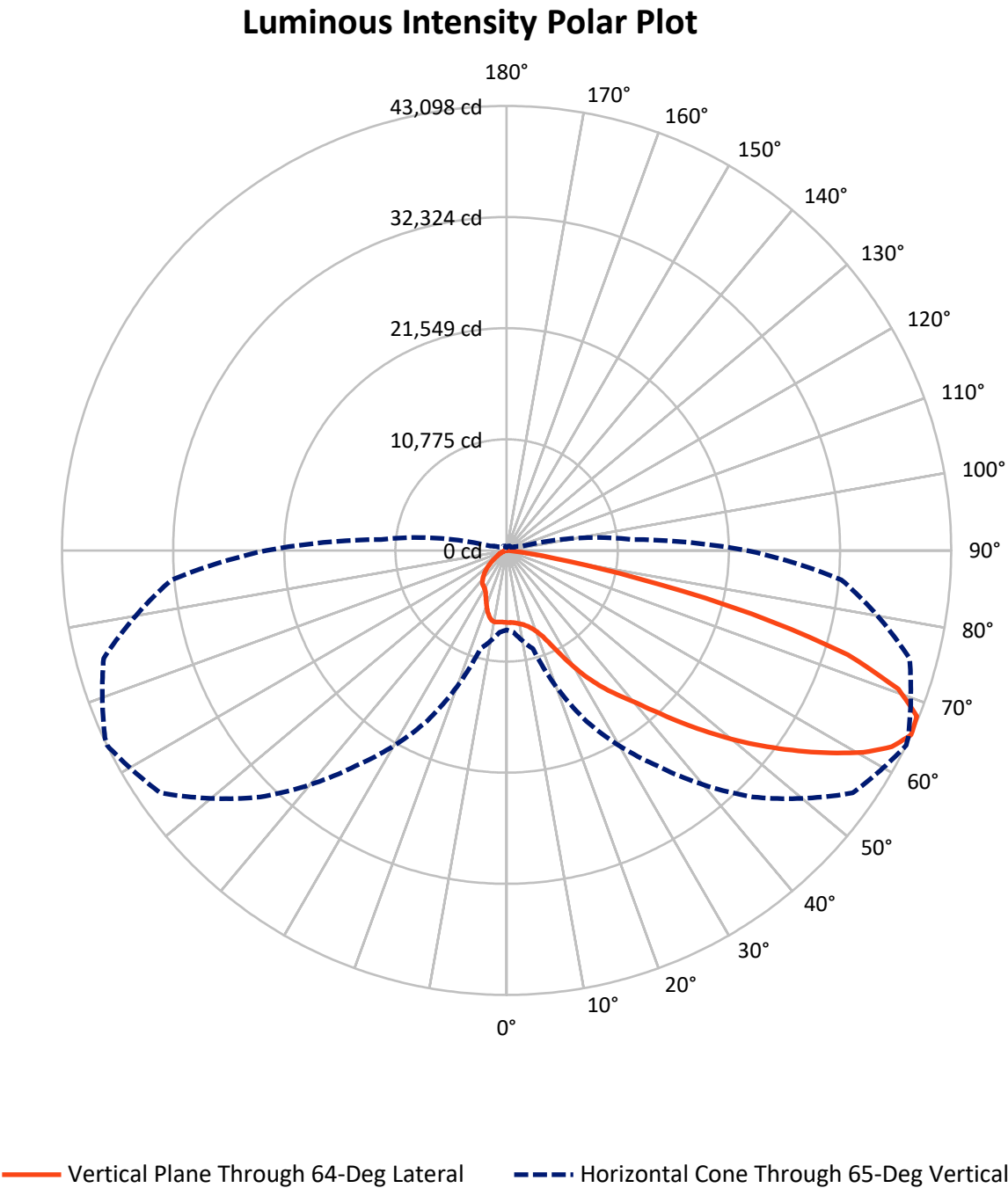
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.6 fc
Type III - Short - N/A

REPORT NUMBER: P944666
CATALOG NUMBER: GALN-SB9D-722-U-T3-HSS



REPORT NUMBER: P944666

CATALOG NUMBER: GALN-SB9D-722-U-T3-HSS

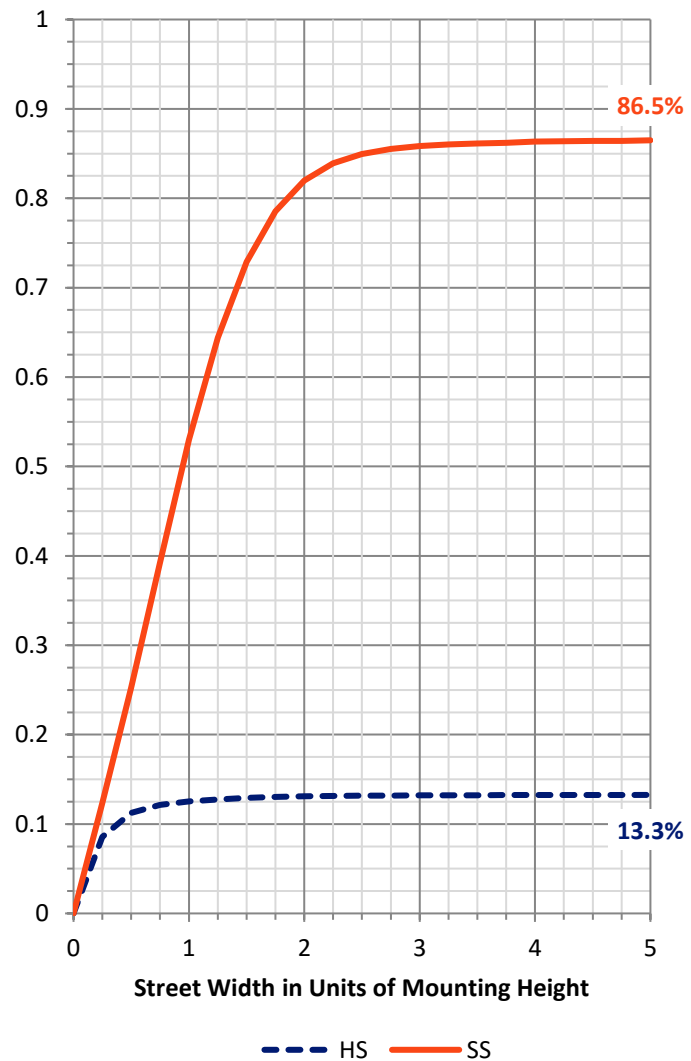
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8030.5	0.0	8030.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	52019.5	0.0	52019.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	60050.0	0.0	60050.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	644.4	1.1
10°-20°	1747.8	2.9
20°-30°	3311.8	5.5
30°-40°	6701.6	11.2
40°-50°	11416.3	19.0
50°-60°	15525.2	25.9
60°-70°	14579.0	24.3
70°-80°	5841.0	9.7
80°-90°	283.0	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°	60050.0	100.0
0°-180°	60050.0	100.0

Coefficient of Utilization



REPORT NUMBER: P944666

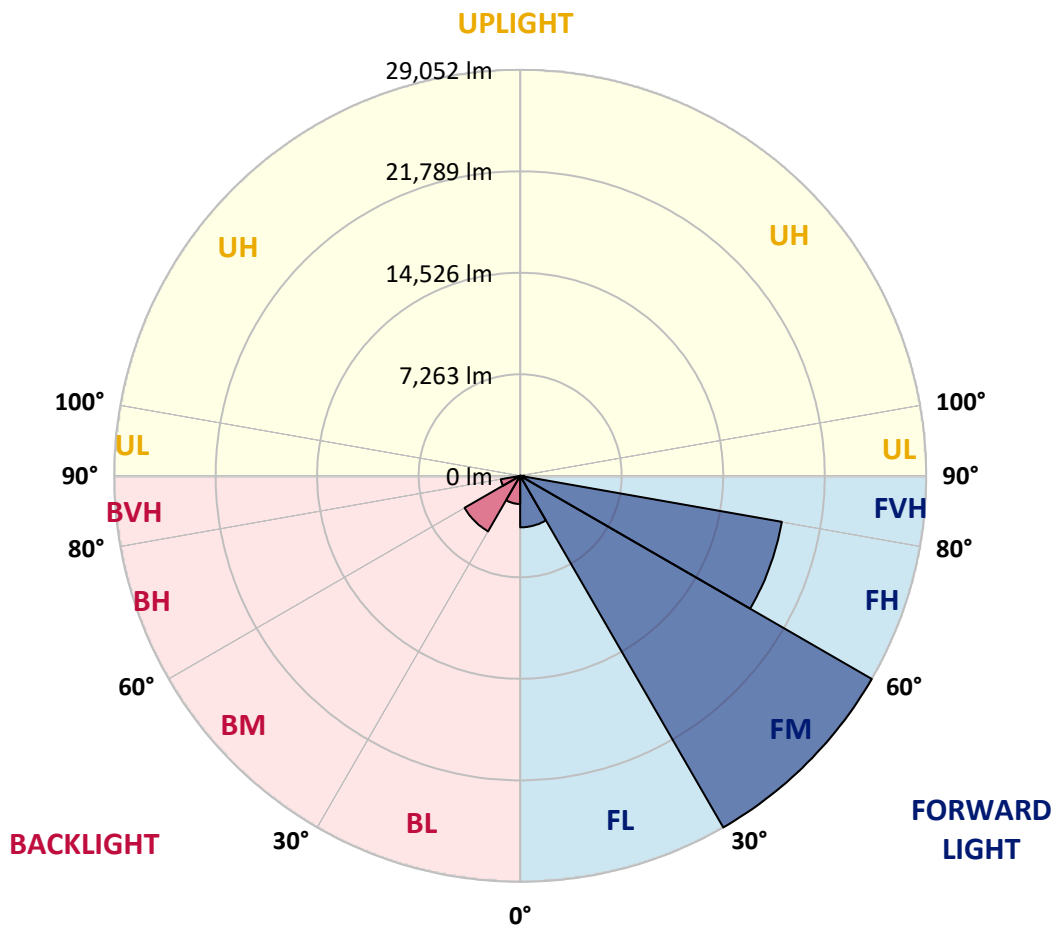
CATALOG NUMBER: GALN-SB9D-722-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3687.8	6.1			
FM	(30°-60°)	29052.1	48.4			
FH	(60°-80°)	19010.5	31.7			G5
FVH	(80°-90°)	269.2	0.4			G3/500
BL	(0°-30°)	2016.2	3.4	B3/2500		
BM	(30°-60°)	4591.0	7.6	B3/5000		
BH	(60°-80°)	1409.5	2.3	B3/2500		G3/2500
BVH	(80°-90°)	13.8	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short



REPORT NUMBER: P944666

CATALOG NUMBER: GALN-SB9D-722-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	6984.4	6984.4	6984.4	6984.4	6984.4	6984.4	6984.4	6984.4	6984.4	6984.4	6984.4
2.5°	6960.3	7008.6	6996.5	6984.4	6980.4	6988.5	6992.5	6988.5	6988.5	6988.5	6992.5
5°	6827.4	6867.7	6867.7	6895.9	6936.1	6984.4	7020.7	7028.7	7036.8	7048.8	7044.8
7.5°	6573.8	6606.0	6630.2	6722.8	6823.4	6952.2	7060.9	7117.3	7125.3	7169.6	7185.7
10°	6400.7	6441.0	6481.2	6577.9	6722.8	6916.0	7101.2	7238.1	7258.2	7362.8	7411.2
12.5°	6392.7	6432.9	6485.3	6589.9	6759.0	6964.3	7189.7	7387.0	7423.2	7576.2	7676.8
15°	6477.2	6525.5	6573.8	6702.6	6883.8	7133.4	7374.9	7620.5	7656.7	7874.1	7982.8
17.5°	6650.3	6714.7	6751.0	6879.8	7073.0	7350.8	7668.8	7950.6	7982.8	8236.4	8373.3
20°	6992.5	7069.0	7081.1	7185.7	7374.9	7672.8	8051.2	8401.5	8441.7	8731.6	8884.5
22.5°	7701.0	7809.7	7713.1	7765.4	7934.5	8232.4	8643.0	9085.8	9142.2	9472.3	9609.1
25°	8948.9	9101.9	8852.3	8763.8	8836.2	9146.2	9661.5	10221.0	10285.4	10551.1	10619.6
27.5°	11400.5	11203.3	10824.9	10454.5	10237.1	10414.3	10993.9	11686.4	11766.9	12024.5	11944.0
30°	14093.7	13920.6	13409.3	12588.1	12072.8	12044.6	12580.0	13353.0	13445.5	13691.1	13445.5
32.5°	16790.8	16625.8	16070.2	15059.8	14166.1	13723.3	14093.7	14951.1	14999.4	15156.4	14794.1
35°	19443.7	19274.6	18719.1	17684.5	16585.5	15579.1	15506.7	16472.8	16488.9	16654.0	16114.5
37.5°	22112.7	21971.8	21380.0	20365.6	19282.7	17893.8	17221.6	17914.0	17934.1	18095.1	17535.6
40°	24016.8	24077.2	23670.6	22885.6	21955.7	20438.0	19145.8	19447.7	19327.0	19596.7	19262.6
42.5°	25651.2	25772.0	25417.7	25023.2	24483.8	23147.3	21529.0	21476.6	21283.4	21428.3	21082.1
45°	27064.2	27164.8	26846.8	26754.2	26742.1	25804.2	24133.5	23819.6	23549.8	23521.7	23107.0
47.5°	27583.5	27776.7	27913.6	28223.6	28827.4	28432.9	26826.7	26339.6	26037.7	25816.3	25160.1
50°	27780.8	27986.1	28453.0	29354.8	30783.9	30952.9	29507.7	28960.3	28589.9	28187.3	27221.2
52.5°	27515.1	27881.4	28509.4	30027.0	32100.2	32973.8	32080.1	31601.1	31178.4	30522.2	29089.1
55°	25949.1	26315.4	27599.6	30019.0	32756.4	34390.8	34511.6	34298.2	33823.2	32788.6	30598.7
57.5°	22648.1	23191.6	25224.5	28996.5	32744.3	35610.6	36894.7	37047.7	36516.3	35034.9	31786.2
60°	18075.0	18811.7	21291.5	26730.1	31733.9	36270.8	38984.0	39748.9	39185.3	37249.0	32748.4
62.5°	12612.2	13465.7	15812.6	23179.5	29423.2	35795.8	40509.7	41922.7	41496.0	39229.6	33118.7
65°	7692.9	7966.7	9858.7	18240.1	25494.2	33807.1	40980.7	43098.2	42957.3	40441.3	32571.2
67.5°	5124.6	5354.1	5897.5	12507.6	19789.9	29833.8	39853.6	42892.9	42933.2	40244.1	30566.5
70°	3087.6	3284.9	3639.2	7274.3	12825.6	23614.2	36363.4	40276.3	40509.7	37607.3	26766.3
72.5°	1272.1	1404.9	1727.0	3297.0	6642.3	14987.4	28956.2	34580.0	35123.5	31621.2	20542.7
75°	720.6	789.0	1014.5	1654.5	2882.3	6984.4	17539.6	24548.2	25349.3	21794.7	12358.6
77.5°	479.0	511.3	656.2	1070.8	1622.3	2383.2	7495.7	12789.4	14319.1	11903.7	5350.0
80°	322.0	350.2	450.9	716.6	1054.7	1022.5	2387.2	4738.1	5829.1	4090.0	1304.3
82.5°	217.4	221.4	322.0	471.0	668.3	495.2	704.5	1473.4	1851.8	1183.5	495.2
85°	124.8	120.8	237.5	273.7	297.9	205.3	213.4	442.8	579.7	499.2	281.8
87.5°	16.1	24.2	92.6	72.5	40.3	44.3	44.3	76.5	112.7	120.8	60.4
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: P944666

CATALOG NUMBER: GALN-SB9D-722-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6984.4	6984.4	6984.4	6984.4	6984.4	6984.4	6984.4	6984.4	6984.4	6984.4	6984.4
2.5°	6992.5	6988.5	6976.4	6964.3	6936.1	6920.0	6928.1	6920.0	6916.0	6920.0	6936.1
5°	7044.8	7032.7	7000.5	6960.3	6903.9	6835.5	6791.2	6726.8	6666.4	6630.2	6638.2
7.5°	7185.7	7173.6	7129.4	7016.6	6835.5	6549.7	6288.0	6058.5	5885.4	5784.8	5788.8
10°	7411.2	7391.0	7322.6	7073.0	6598.0	5974.0	5454.7	5024.0	4742.2	4609.3	4597.3
12.5°	7676.8	7652.7	7531.9	7020.7	6147.1	5172.9	4456.4	3977.3	3715.6	3598.9	3586.8
15°	7990.8	7958.6	7721.1	6771.1	5490.9	4287.3	3631.1	3272.8	3103.7	2999.1	3003.1
17.5°	8381.3	8325.0	7862.0	6396.7	4778.4	3611.0	3123.9	2854.2	2705.2	2604.6	2596.5
20°	8888.6	8796.0	7974.7	5949.9	4122.2	3184.3	2781.7	2556.3	2443.5	2355.0	2338.9
22.5°	9597.1	9464.2	8111.6	5466.8	3659.3	2890.4	2528.1	2363.0	2270.4	2169.8	2153.7
25°	10474.6	10317.6	8280.7	5019.9	3341.3	2636.8	2342.9	2206.0	2097.3	1980.6	1968.5
27.5°	11702.5	11420.7	8482.0	4653.6	3067.5	2419.4	2173.8	2020.9	1896.1	1799.4	1779.3
30°	13071.2	12608.2	8659.1	4432.2	2817.9	2218.1	1952.4	1799.4	1682.7	1614.3	1602.2
32.5°	14367.4	13739.4	8775.8	4335.6	2592.5	1988.7	1710.9	1545.8	1457.3	1437.1	1449.2
35°	15591.2	14761.9	8763.8	4243.0	2391.2	1759.2	1473.4	1304.3	1235.9	1247.9	1247.9
37.5°	17000.2	15852.9	8679.2	4098.1	2226.2	1549.9	1268.1	1119.1	1058.7	1062.8	1078.9
40°	18638.6	17112.9	8626.9	3824.3	2045.0	1356.6	1099.0	978.2	933.9	917.8	913.8
42.5°	20385.7	18332.6	8634.9	3514.4	1819.6	1183.5	982.2	881.6	841.4	829.3	825.3
45°	22140.9	19496.0	8647.0	3192.3	1582.1	1050.7	897.7	813.2	789.0	772.9	772.9
47.5°	23791.4	20486.3	8421.6	2846.1	1348.6	950.0	829.3	772.9	752.8	732.7	732.7
50°	25329.2	21146.5	7878.1	2443.5	1163.4	869.5	776.9	736.7	716.6	696.4	696.4
52.5°	26524.8	21251.2	6980.4	2028.9	1034.6	809.1	744.7	708.5	684.4	664.2	660.2
55°	27056.1	20595.0	5704.3	1642.5	933.9	756.8	712.5	676.3	648.1	628.0	624.0
57.5°	26919.3	19214.3	4448.3	1320.4	837.3	704.5	672.3	648.1	615.9	583.7	579.7
60°	26247.0	17366.5	3353.3	1099.0	748.8	648.1	628.0	607.9	563.6	515.3	507.2
62.5°	25083.6	15043.7	2391.2	909.8	652.1	583.7	575.7	559.6	495.2	406.6	398.5
65°	23304.3	12221.8	1610.2	756.8	559.6	511.3	515.3	487.1	402.6	301.9	293.9
67.5°	20703.7	8936.9	1030.6	619.9	467.0	426.7	430.7	414.6	342.2	257.6	245.6
70°	17390.6	5917.7	672.3	471.0	374.4	330.1	354.3	358.3	289.8	209.3	201.3
72.5°	12749.1	3494.2	471.0	350.2	273.7	229.5	289.8	297.9	233.5	157.0	148.9
75°	7266.2	1658.6	354.3	253.6	169.1	161.0	225.4	225.4	161.0	104.7	96.6
77.5°	3051.4	692.4	249.6	165.1	96.6	92.6	153.0	140.9	80.5	48.3	48.3
80°	881.6	310.0	132.8	80.5	40.3	36.2	60.4	44.3	20.1	8.1	8.1
82.5°	346.2	136.9	52.3	32.2	16.1	16.1	8.1	0.0	0.0	0.0	0.0
85°	205.3	56.4	24.2	12.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	52.3	12.1	8.1	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)