



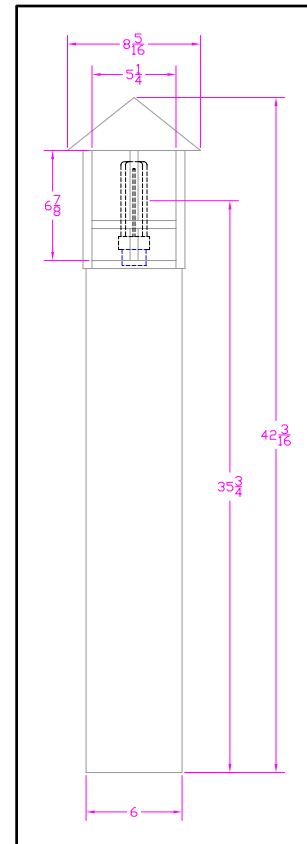
**IES ROAD REPORT  
PHOTOMETRIC FILENAME : LLI100606A.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LLI 1006-06A  
[TESTLAB] LIGHT LABORATORY INC  
[ISSUE DATE] 10/10/2006  
[MANUFAC] CRYSTAL LIGHTING CORPORATION  
[LUMCAT] CLB-4020-42T  
[LUMINAIRE] 8-5/16"SQ. X 42-3/16"H. BOLLARD LUMINAIRE  
[MORE] ACRYLIC WHITE LENS  
[BALLASTCAT] ADVANCE ICF-2S26-H1-LD  
[BALLAST] 120 TO 277V 50/60Hz ELECTRONIC  
[LAMPPOSITION] 0,180  
[LAMPCAT] GE F42TBX/841/A/4P/EOL  
[\_LAMPLUM] 3200  
[\_INPUT] 120VAC, 48.47W

**CHARACTERISTICS**

IES Classification	Type V
Longitudinal Classification	Long
Cutoff Classification	Semi-Cutoff
Total Rated Lamp Lumens	3200
Maximum Candela	111
Maximum Candela Angle	45H 85V
Maximum Candela At 90 Degrees Vertical	111 (3.47% Lamp Lms)
Maximum Candela At 80 Degrees Vertical	111 (3.47% Lamp Lms)
Downward Total Efficiency	15.1%



NOTE: ALL TESTS ASSUME BALLAST FACTOR (BF) = 1.0 UNLESS STATED.  
IF TEST OR OTHER BALLAST USED HAS A BF OTHER THAN 1.0, ALL  
LUMEN, CANDELA, AND LUMINANCE VALUES SHOULD BE MULTIPLIED BY  
THE BF, CU, EFFICIENCY AND % FLUX VALUES REMAIN AS LISTED.  
TOTAL WATTS VALUE APPLIES ONLY TO TESTED BALLAST.

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>	<u>85</u>
0	4	4	4	4	4	4	4	4	4	4
5	7	7	7	7	8	8	8	8	7	7
15	19	19	21	21	22	22	22	22	21	20
25	33	34	36	39	41	41	41	39	37	35
35	46	47	50	55	58	59	58	55	52	48
45	58	59	64	70	74	75	74	71	66	61
55	68	69	76	83	88	89	88	84	77	71
60	72	74	81	88	93	95	94	90	83	76
62.5	74	76	83	91	96	98	97	92	85	78
65	76	78	85	93	98	100	99	94	87	80
67.5	77	79	87	95	100	103	101	96	89	81
70	79	81	89	97	102	105	103	98	91	83
72.5	80	82	90	99	104	106	105	100	92	84
75	81	83	91	100	106	108	106	101	93	85
77.5	82	84	92	101	107	109	108	103	94	86
80	82	84	93	102	108	110	108	103	95	87
82.5	83	85	94	102	108	110	109	104	96	87
85	83	85	94	103	109	111	109	104	96	87
87.5	83	85	94	103	109	111	109	104	96	87
90	83	85	94	103	109	111	109	104	96	87
95	82	84	93	102	107	110	108	103	95	87
105	76	78	85	92	98	100	98	94	86	80
115	67	68	73	79	83	85	84	80	74	70
125	57	57	59	64	68	70	69	65	61	59
135	45	45	45	48	51	52	51	49	46	46
145	32	31	31	31	33	34	33	32	32	32
155	18	17	17	15	15	15	15	16	17	18
165	4	4	4	3	3	2	3	3	4	4
175	1	1	1	1	1	1	1	1	1	1
180	0	0	0	0	0	0	0	0	0	0

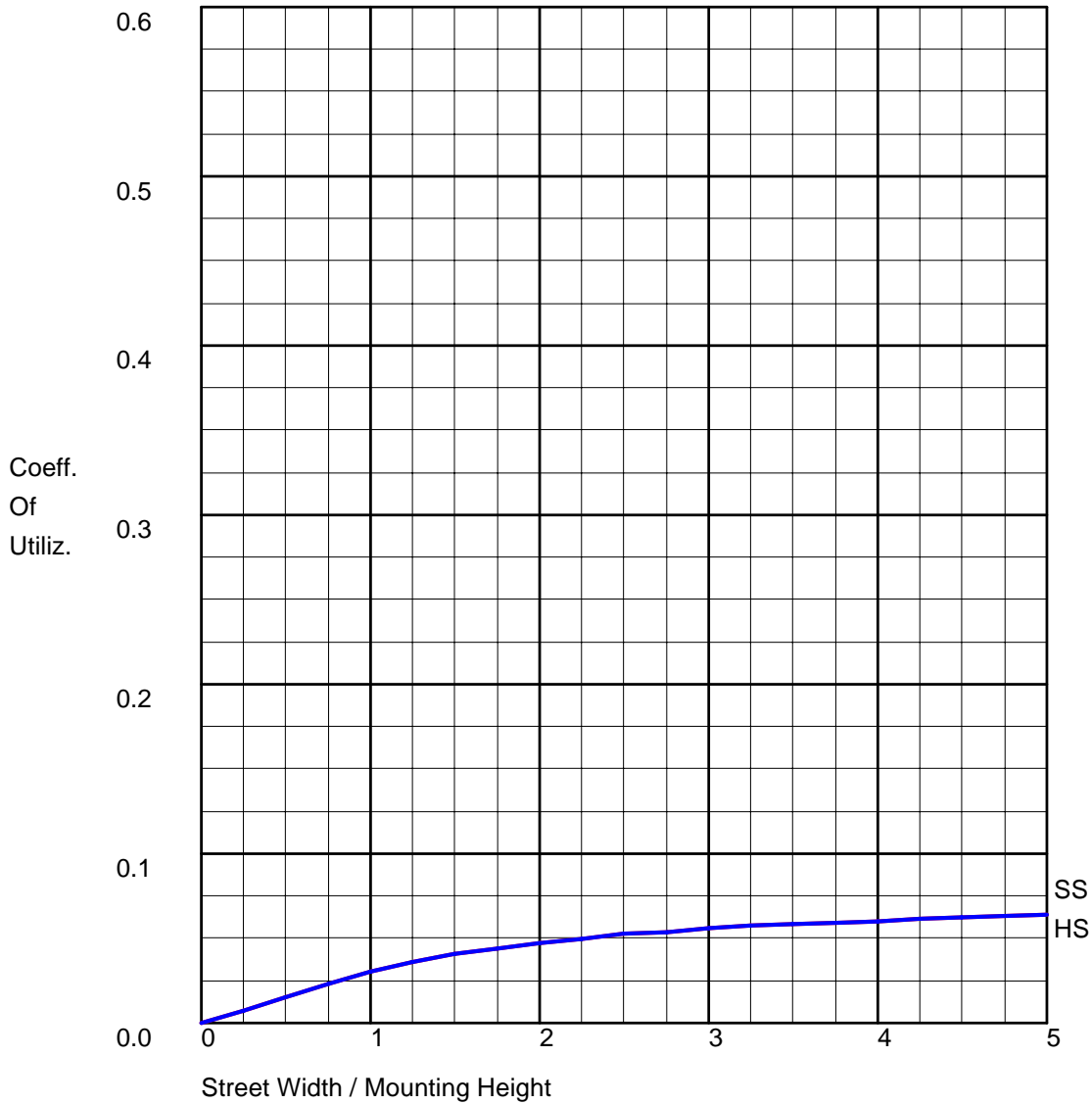
Vert. Angles	Horizontal Angles
	<u>90</u>
0	4
5	7
15	20
25	35
35	47
45	60
55	70
60	74
62.5	76
65	78
67.5	80
70	81
72.5	82
75	84
77.5	84
80	85
82.5	85
85	86
87.5	86

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CANDELA TABULATION - (Cont.)

90	86
95	85
105	79
115	69
125	59
135	46
145	33
155	18
165	5
175	1
180	0

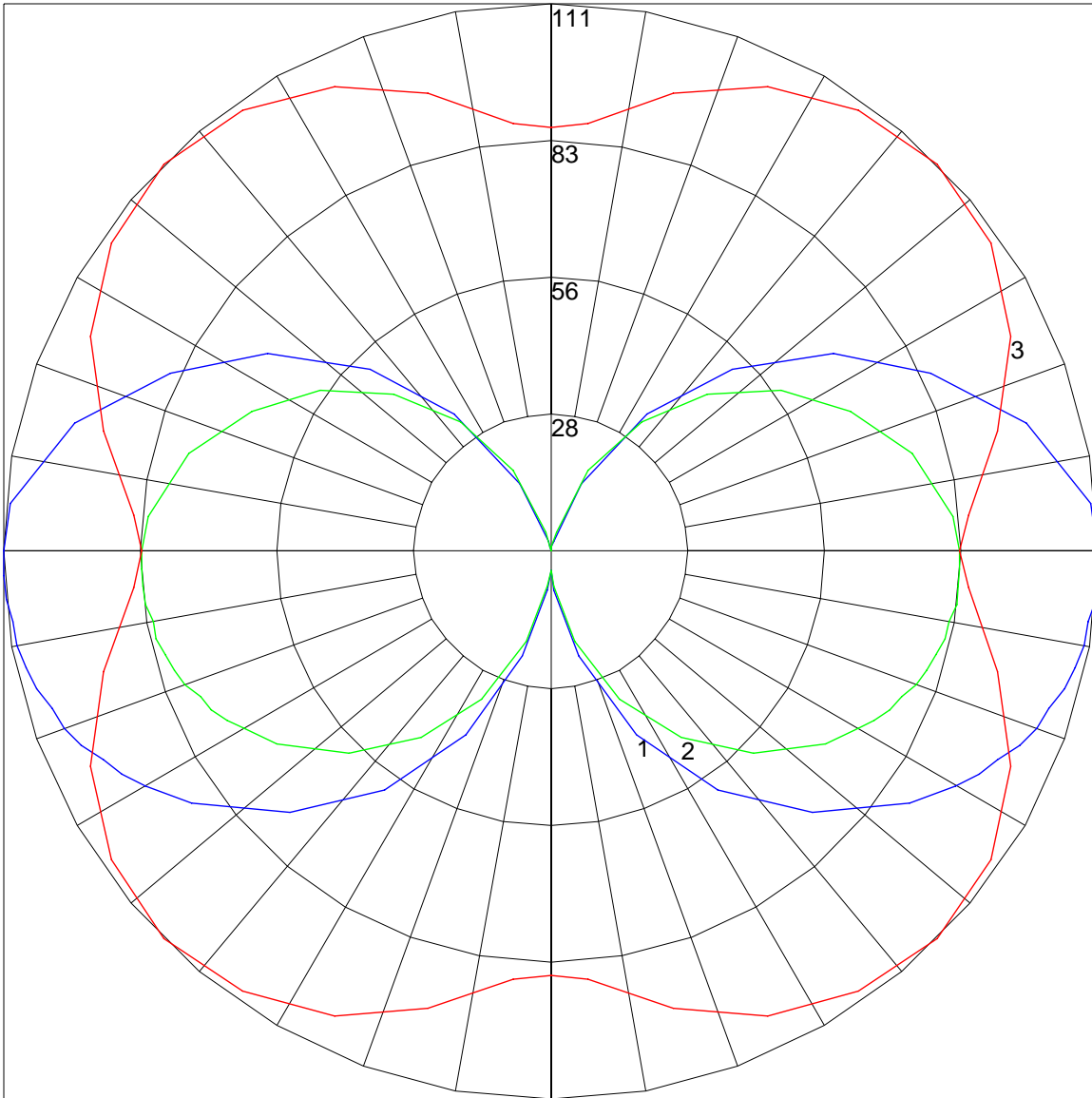
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

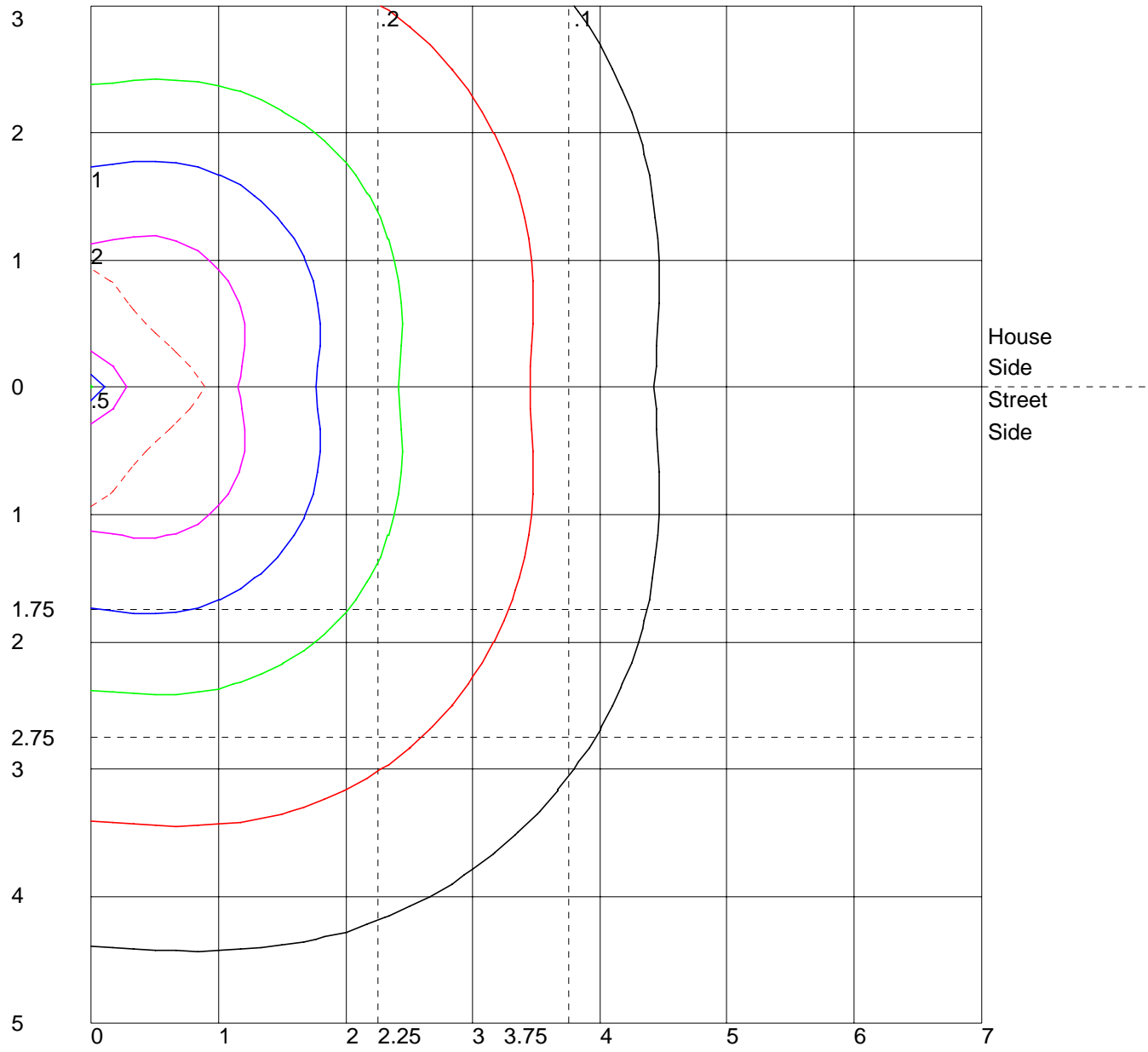
	Lumens	Percent Of Lamp
Downward Street Side	241.6	7.6
Downward House Side	241.6	7.6
Downward Total	483.2	15.1
Upward Street Side	200.7	6.3
Upward House Side	200.7	6.3
Upward Total	401.4	12.5
Total Flux	884.6	27.6

POLAR GRAPH



Maximum Candela = 111 Located At Horizontal Angle = 45, Vertical Angle = 85  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.) : BLUE  
# 2 - Vertical Plane Through Horizontal Angles (0 - 180) : GREEN  
# 3 - Horizontal Cone Through Vertical Angle (85) (Through Max. Cd.) : RED

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height  
 Values Based On 3 Foot Mounting Height  
 1/2 Maximum Candela Trace Shown As Dashed Curve  
 (+) = Maximum Candela Point

