



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : FAL-716-17L-50-FGG6-GWT.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12004  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUEDATE] 4/19/2021  
[TESTDATE] 07/14/20  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] FAL-716-17L-50-FGG6-GWT  
[OTHER] TEST PROCEDURE: IESNA LM-79-08  
[ ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED  
[OTHER] SCALED FROM ORIGINAL TEST DATA  
[ SEARCH\_SOURCETYPE] LED  
[ SEARCH\_APPLICATION] Indoor  
[ SEARCH\_APPLICATION] Outdoor  
[ SEARCH\_COLORTEMP] 5000

**CHARACTERISTICS**

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1299
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	12.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.07
Maximum Candela	374
Maximum Candela Angle	0H 2.5V
Maximum Candela (<90 Degrees Vertical)	374
Maximum Candela Angle (<90 Degrees Vertical)	0H 2.5V
Maximum Candela At 90 Degrees Vertical	45 (3.5% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	87 (6.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	133.7	N.A.	10.3
FM - Front-Medium (30-60)	303.1	N.A.	23.3
FH - Front-High (60-80)	130.6	N.A.	10.1
FVH - Front-Very High (80-90)	35.2	N.A.	2.7
BL - Back-Low (0-30)	133.7	N.A.	10.3
BM - Back-Medium (30-60)	303.1	N.A.	23.3
BH - Back-High (60-80)	130.6	N.A.	10.1
BVH - Back-Very High (80-90)	35.2	N.A.	2.7
UL - Uplight-Low (90-100)	36.7	N.A.	2.8
UH - Uplight-High (100-180)	56.6	N.A.	4.4
Total	1298.5	N.A.	100.0
BUG Rating	B1-U3-G1		

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**CANDELA TABULATION**

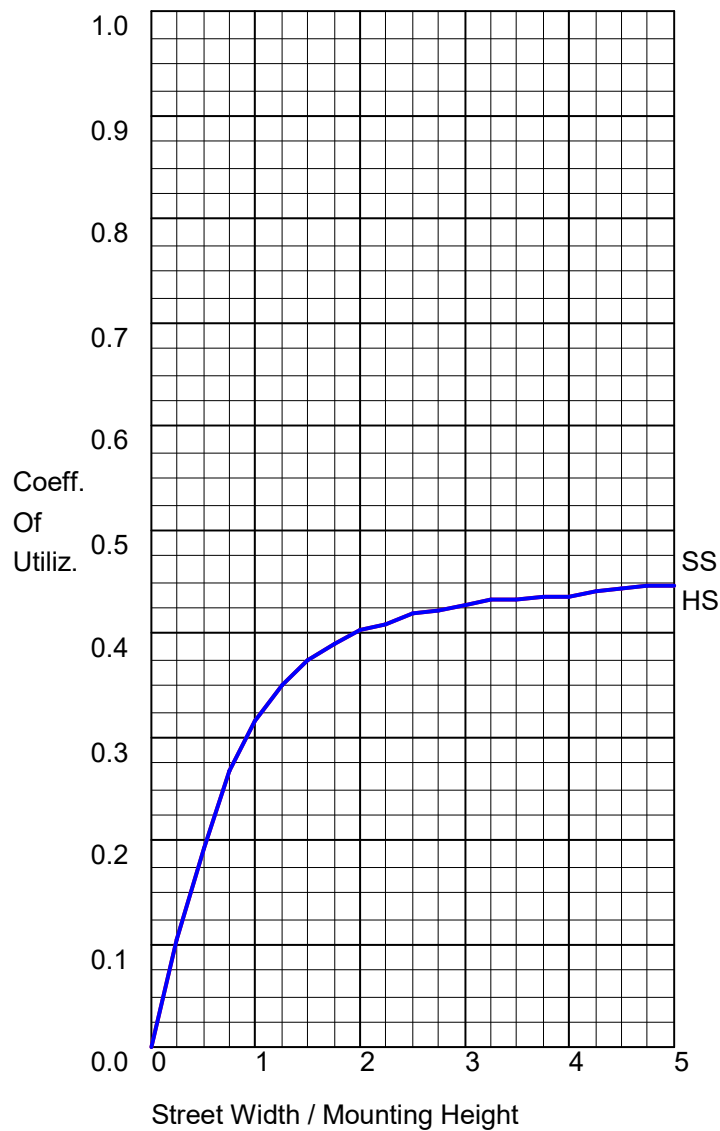
<b>Vert. Angles</b>	<b>Horizontal Angles</b>				
	<b><u>0.0</u></b>	<b><u>22.5</u></b>	<b><u>45.0</u></b>	<b><u>67.5</u></b>	<b><u>90.0</u></b>
<b>0.0</b>	373	373	373	373	373
<b>2.5</b>	374	373	373	373	373
<b>5.0</b>	368	369	368	366	366
<b>7.5</b>	357	357	355	354	353
<b>10.0</b>	343	342	340	340	339
<b>12.5</b>	327	327	327	325	325
<b>15.0</b>	316	316	317	316	314
<b>17.5</b>	309	310	310	309	309
<b>20.0</b>	306	308	308	306	305
<b>22.5</b>	306	308	309	306	305
<b>25.0</b>	309	309	310	309	305
<b>27.5</b>	312	312	312	310	308
<b>30.0</b>	314	314	314	314	308
<b>32.5</b>	317	317	316	316	309
<b>35.0</b>	316	316	314	314	306
<b>37.5</b>	312	312	310	309	302
<b>40.0</b>	306	305	303	305	297
<b>42.5</b>	297	295	295	295	287
<b>45.0</b>	286	284	283	286	277
<b>47.5</b>	271	272	271	271	264
<b>50.0</b>	253	256	253	254	246
<b>52.5</b>	234	236	235	235	228
<b>55.0</b>	216	217	216	216	210
<b>57.5</b>	197	198	198	197	193
<b>60.0</b>	179	180	180	179	176
<b>62.5</b>	165	165	165	165	163
<b>65.0</b>	152	153	153	153	152
<b>67.5</b>	137	138	138	138	137
<b>70.0</b>	123	126	126	127	126
<b>72.5</b>	112	116	118	116	112
<b>75.0</b>	101	105	105	104	100
<b>77.5</b>	90	94	96	97	93
<b>80.0</b>	82	86	86	87	85
<b>82.5</b>	71	74	75	75	72
<b>85.0</b>	62	64	66	66	63
<b>87.5</b>	53	55	56	55	53
<b>90.0</b>	44	44	45	45	44
<b>92.5</b>	38	38	38	38	38
<b>95.0</b>	33	33	33	33	33
<b>97.5</b>	29	29	29	29	29
<b>100.0</b>	23	25	25	25	23
<b>102.5</b>	19	19	21	21	19
<b>105.0</b>	15	15	16	16	15
<b>107.5</b>	12	12	14	12	12
<b>110.0</b>	11	11	11	11	11
<b>112.5</b>	10	10	10	11	11
<b>115.0</b>	10	10	10	10	11
<b>117.5</b>	10	10	10	10	10
<b>120.0</b>	10	10	10	10	10
<b>122.5</b>	10	10	10	10	10
<b>125.0</b>	10	10	10	10	10
<b>127.5</b>	10	10	10	10	10
<b>130.0</b>	10	10	10	10	10

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**CANDELA TABULATION - (Cont.)**

<b>132.5</b>	10	10	10	10	10
<b>135.0</b>	10	10	10	10	10
<b>137.5</b>	10	10	10	10	10
<b>140.0</b>	10	10	10	10	10
<b>142.5</b>	10	10	10	10	10
<b>145.0</b>	10	10	10	10	8
<b>147.5</b>	10	8	10	10	10
<b>150.0</b>	8	8	8	8	8
<b>152.5</b>	8	8	8	8	8
<b>155.0</b>	8	8	8	8	8
<b>157.5</b>	8	8	8	8	8
<b>160.0</b>	8	8	8	8	8
<b>162.5</b>	7	7	8	8	7
<b>165.0</b>	7	7	7	7	7
<b>167.5</b>	7	7	7	7	7
<b>170.0</b>	7	7	7	7	7
<b>172.5</b>	5	5	5	5	5
<b>175.0</b>	5	5	5	5	5
<b>177.5</b>	4	4	4	5	5
<b>180.0</b>	4	4	4	4	4

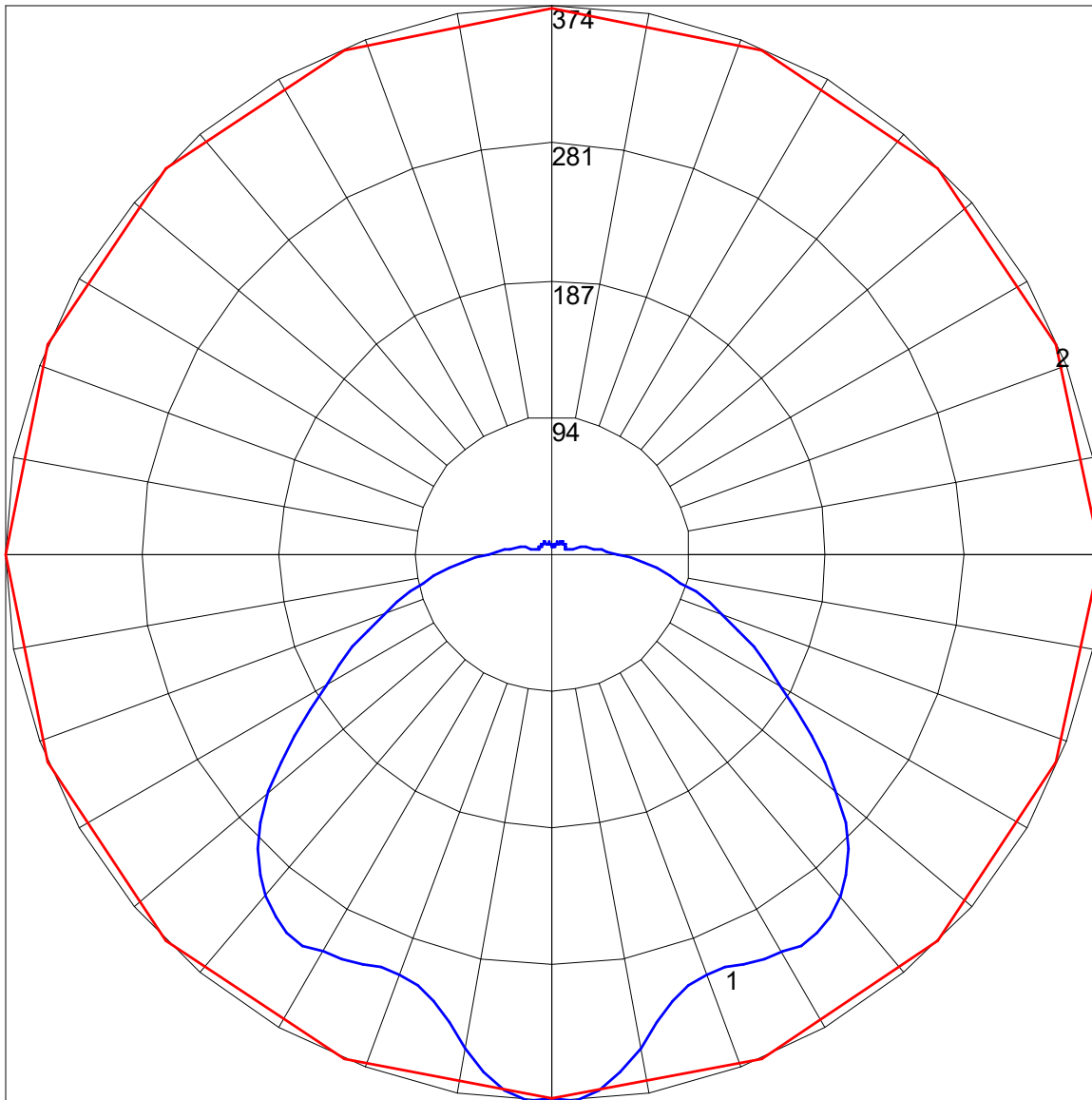
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

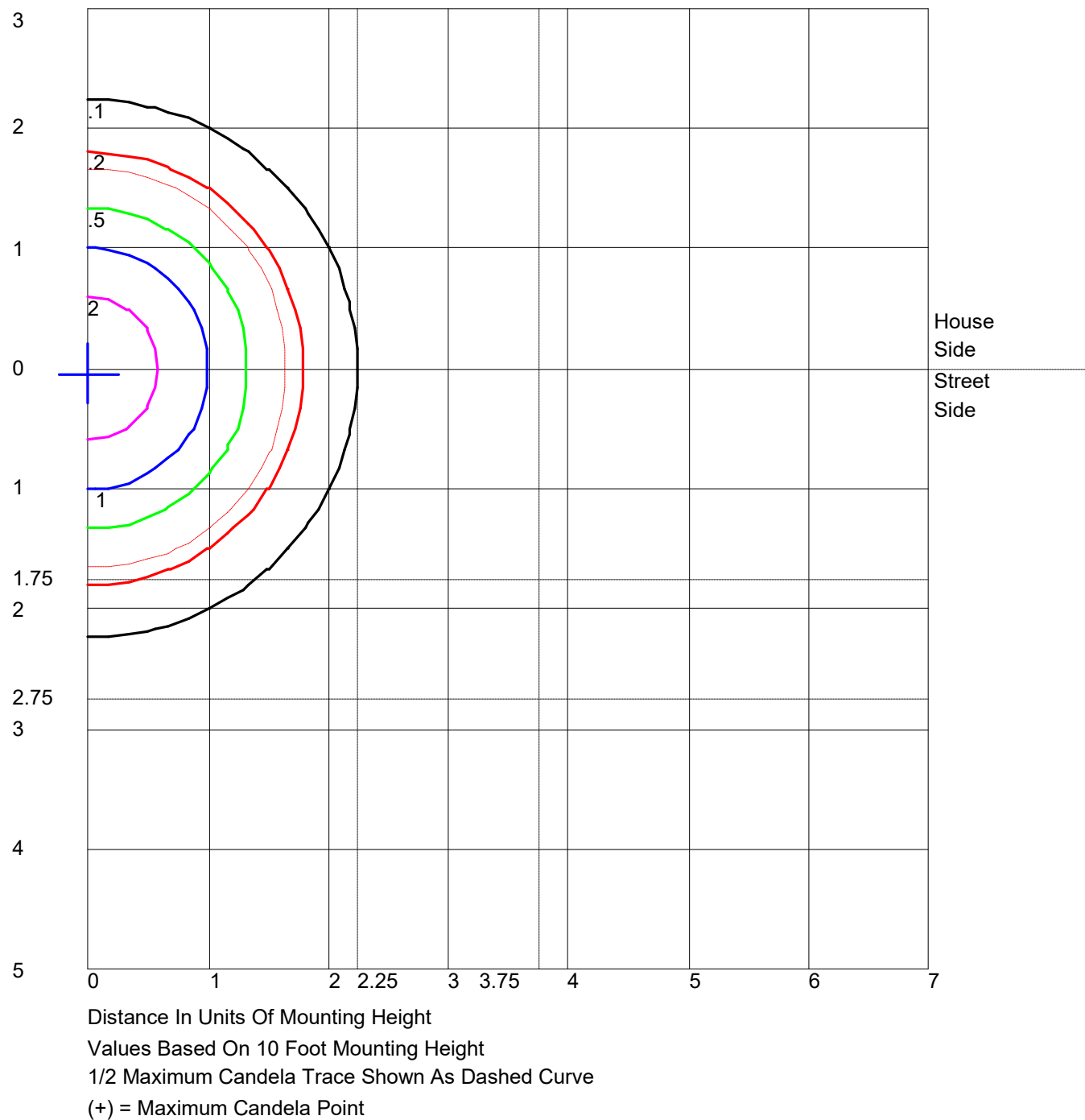
	Lumens	Percent Of Luminaire
Downward Street Side	602.6	46.4
Downward House Side	602.6	46.4
Downward Total	1205.2	92.8
Upward Street Side	46.7	3.6
Upward House Side	46.7	3.6
Upward Total	93.4	7.2
Total Flux	1298.6	100.0

POLAR GRAPH

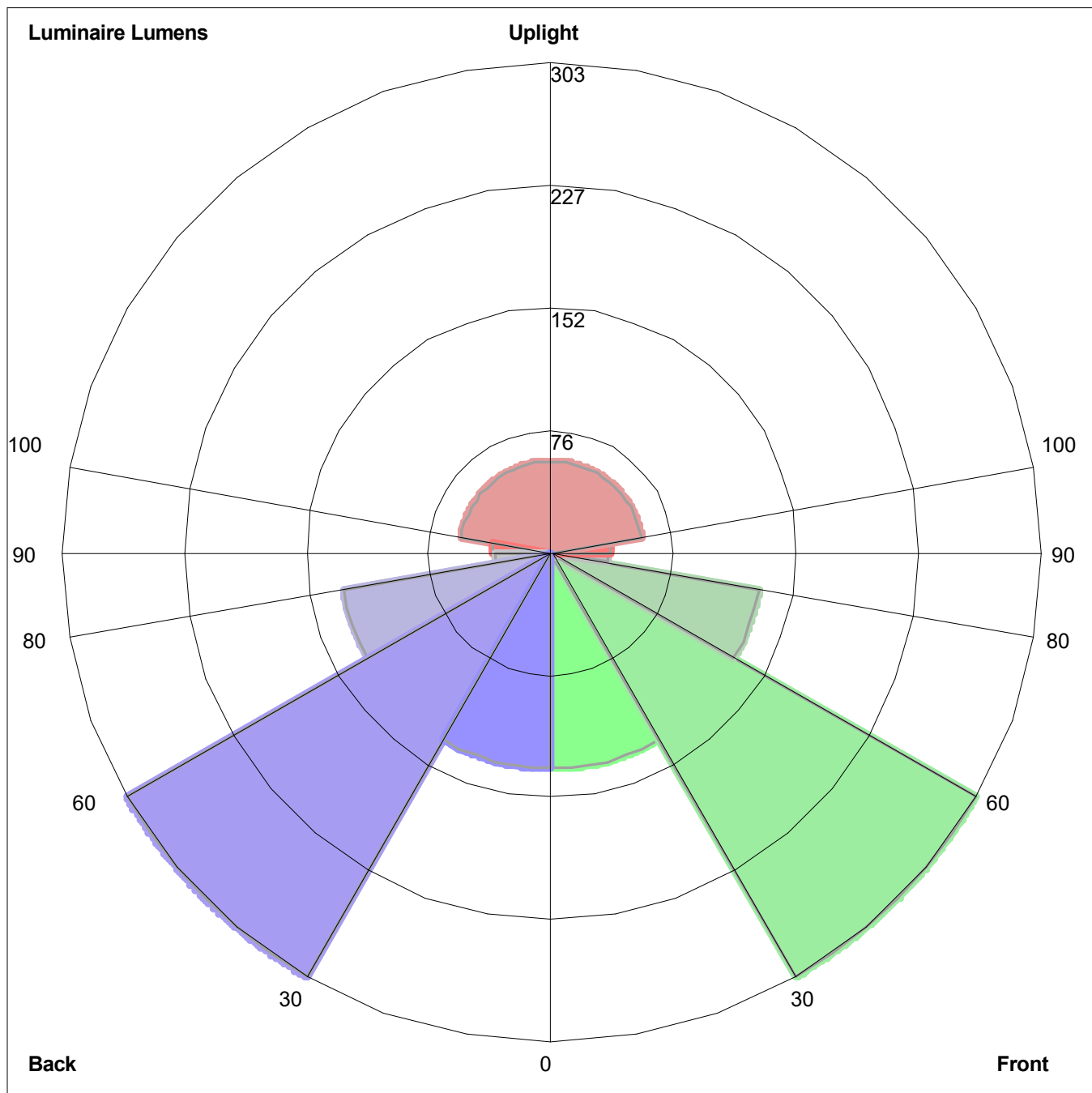


Maximum Candela = 374 Located At Horizontal Angle = 0, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=133.7, Medium=303.1, High=130.6, Very High=35.2  
Back: Low=133.7, Medium=303.1, High=130.6, Very High=35.2  
Uplight: Low=36.7, High=56.6

BUG Rating : B1-U3-G1