



IES ROAD REPORT  
PHOTOMETRIC FILENAME : AU-LED-SS-CW-UE-ACF16FA.IES

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-5854  
[TESTLAB]LSI INDUSTRIES  
[ISSUE DATE]07/24/14  
[TEST DATE]07/24/14  
[MANUFACTURER]LSI INDUSTRIES  
[LUMEN CATEGORY]AU-LED-SS-CW-UE-ACF16FA  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[ABSOLUTE LUMENS]7111

**CHARACTERISTICS**

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7111
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	59.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.39
Maximum Candela	889
Maximum Candela Angle	45H 32.5V
Maximum Candela (<90 Degrees Vertical)	889
Maximum Candela Angle (<90 Degrees Vertical)	45H 32.5V
Maximum Candela At 90 Degrees Vertical	610 (8.6% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	605 (8.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	326.8	N.A.	4.6
FM - Front-Medium (30-60)	881.6	N.A.	12.4
FH - Front-High (60-80)	643.4	N.A.	9.0
FVH - Front-Very High (80-90)	322.1	N.A.	4.5
BL - Back-Low (0-30)	326.8	N.A.	4.6
BM - Back-Medium (30-60)	881.6	N.A.	12.4
BH - Back-High (60-80)	643.4	N.A.	9.0
BVH - Back-Very High (80-90)	322.1	N.A.	4.5
UL - Uplight-Low (90-100)	659.7	N.A.	9.3
UH - Uplight-High (100-180)	2103.2	N.A.	29.6
Total	7110.7	N.A.	100.0
BUG Rating	B2-U5-G3		

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**CANDELA TABULATION**

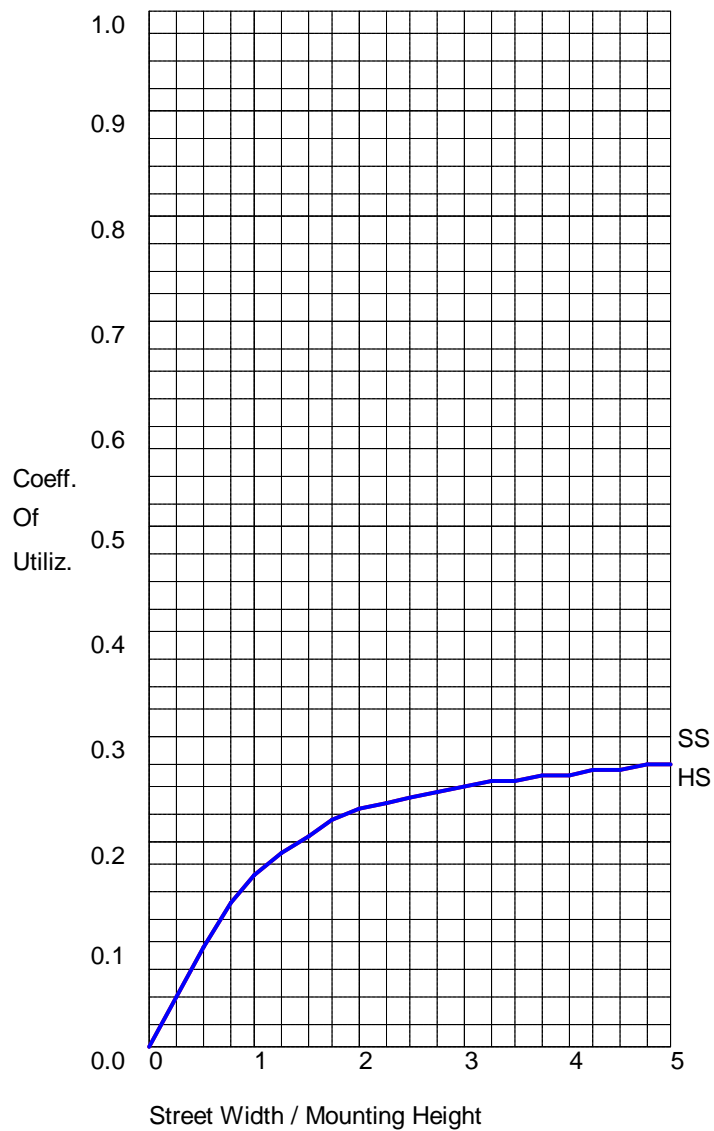
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	668	668	668	668	668
2.5	670	670	669	668	669
5.0	683	681	681	680	679
7.5	695	696	698	695	693
10.0	706	709	710	705	702
12.5	717	720	722	721	713
15.0	726	734	737	736	728
17.5	742	754	756	756	744
20.0	763	777	780	779	764
22.5	786	801	803	802	784
25.0	798	820	824	821	800
27.5	810	836	844	836	811
30.0	825	853	865	853	827
32.5	834	866	889	864	826
35.0	806	859	889	857	809
37.5	779	846	875	839	782
40.0	754	824	853	819	752
42.5	726	800	832	799	732
45.0	714	778	814	776	711
47.5	712	759	791	757	712
50.0	686	740	776	742	692
52.5	667	729	764	729	670
55.0	671	714	745	715	670
57.5	644	701	726	697	652
60.0	638	682	710	689	642
62.5	623	670	695	673	631
65.0	612	656	681	661	619
67.5	604	642	665	644	609
70.0	596	627	647	634	595
72.5	586	617	636	619	589
75.0	583	601	619	607	591
77.5	574	591	607	595	580
80.0	570	584	597	590	576
82.5	569	581	594	585	574
85.0	577	587	598	591	581
87.5	584	595	605	599	589
90.0	591	600	610	604	595
92.5	595	604	614	608	599
95.0	597	606	615	609	600
97.5	595	603	612	607	599
100.0	591	599	607	602	594
102.5	584	591	598	594	587
105.0	576	581	588	584	578
107.5	565	569	575	572	567
110.0	551	555	560	558	553
112.5	535	539	544	541	538
115.0	519	522	526	524	522
117.5	501	503	506	505	502
120.0	482	483	485	484	482
122.5	462	463	464	463	462
125.0	441	441	442	441	441
127.5	419	418	418	419	420
130.0	396	396	396	397	398

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**CANDELA TABULATION - (Cont.)**

<b>132.5</b>	375	374	373	374	376
<b>135.0</b>	353	352	351	352	353
<b>137.5</b>	331	330	329	329	330
<b>140.0</b>	310	308	307	307	308
<b>142.5</b>	288	285	284	285	286
<b>145.0</b>	265	263	262	263	264
<b>147.5</b>	242	241	241	242	243
<b>150.0</b>	222	220	222	222	224
<b>152.5</b>	203	202	204	204	205
<b>155.0</b>	186	185	186	186	188
<b>157.5</b>	170	169	169	170	171
<b>160.0</b>	157	157	156	156	157
<b>162.5</b>	145	144	143	143	143
<b>165.0</b>	133	133	130	130	130
<b>167.5</b>	122	121	119	117	116
<b>170.0</b>	110	110	106	104	103
<b>172.5</b>	96	96	93	91	90
<b>175.0</b>	83	82	81	80	79
<b>177.5</b>	66	66	65	65	66
<b>180.0</b>	53	53	53	53	53

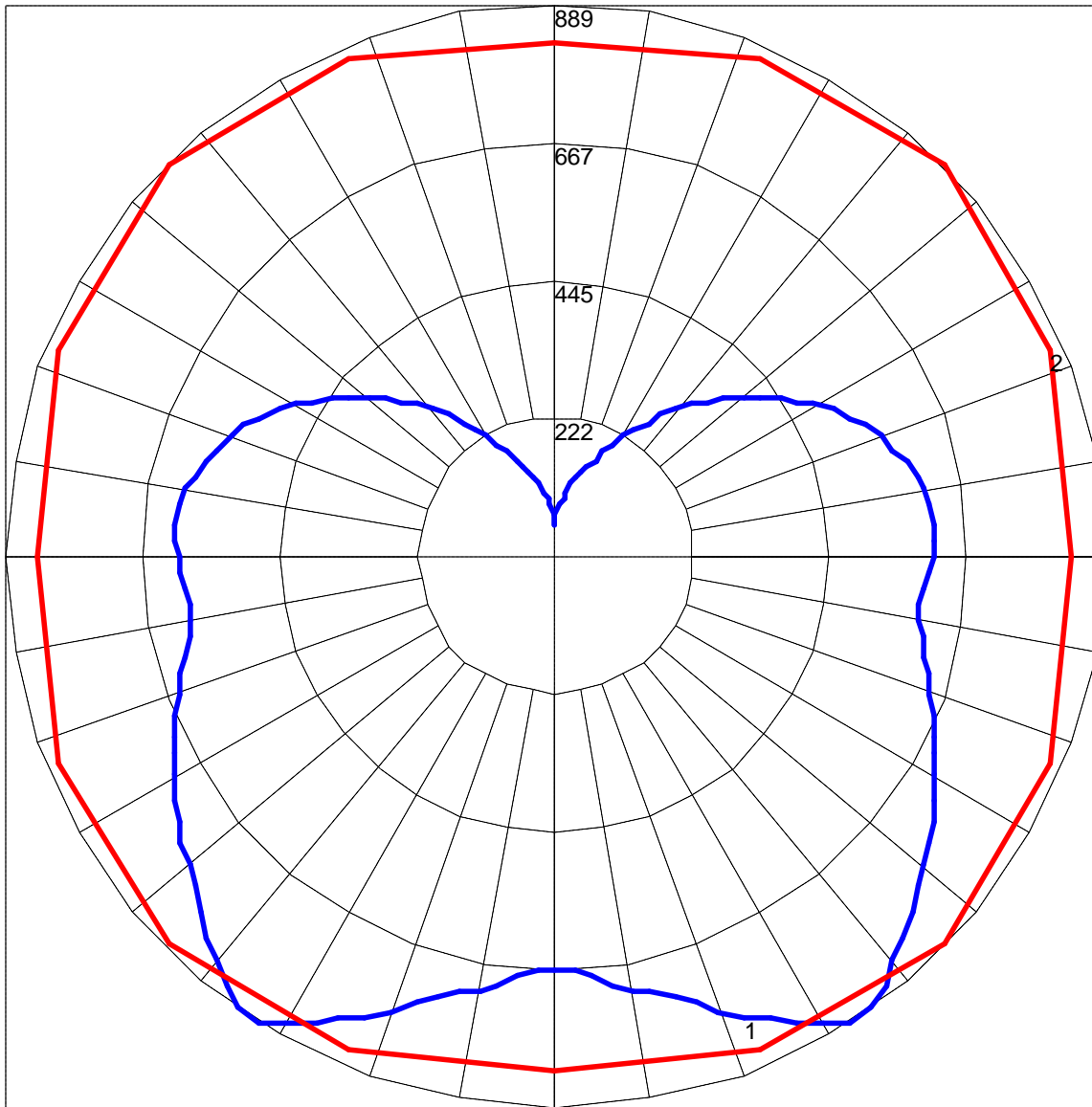
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

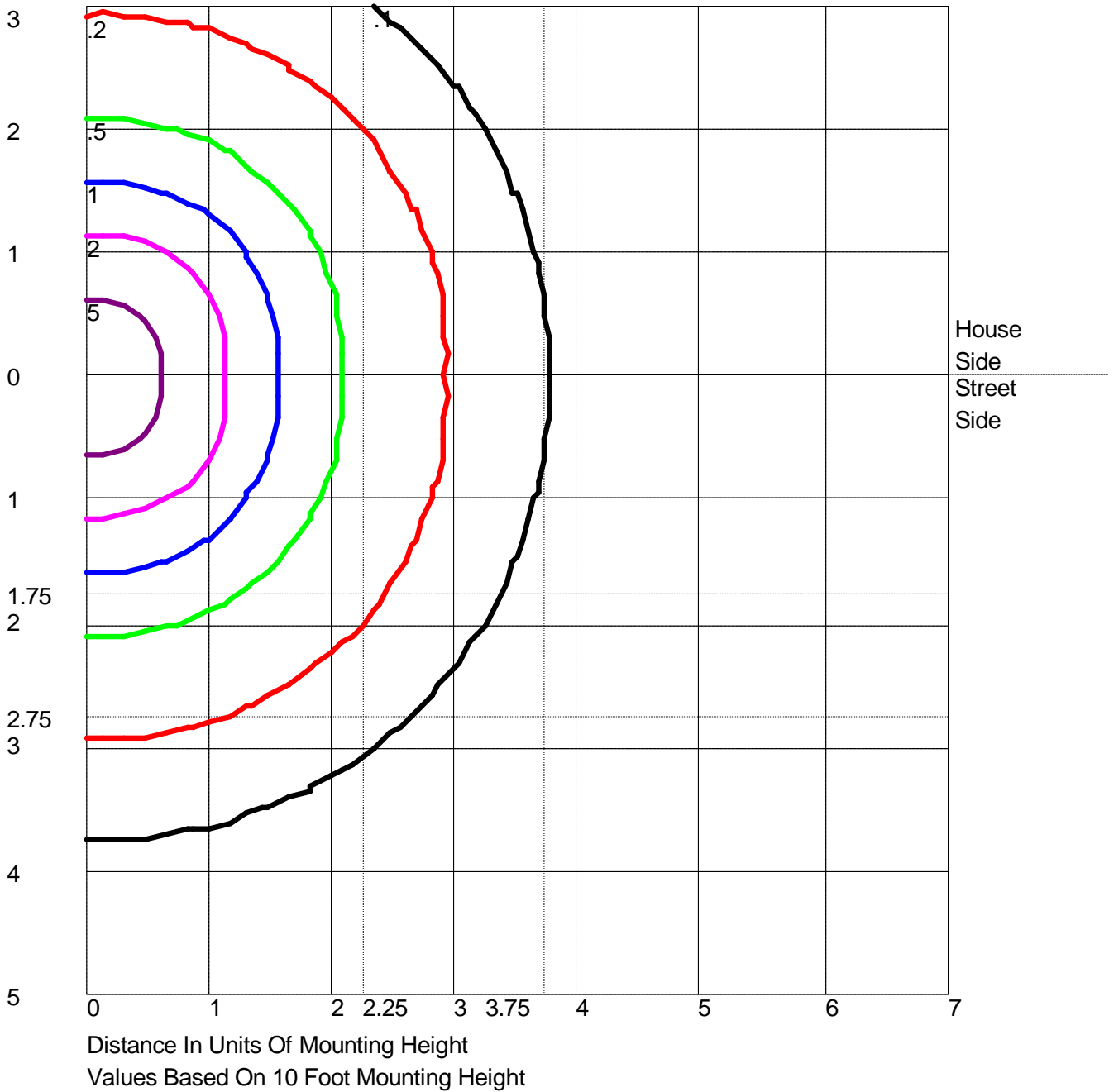
	Lumens	Percent Of Luminaire
Downward Street Side	2174.0	30.6
Downward House Side	2174.0	30.6
Downward Total	4348.0	61.1
Upward Street Side	1381.5	19.4
Upward House Side	1381.5	19.4
Upward Total	2763.0	38.9
Total Flux	7111.0	100.0

POLAR GRAPH



Maximum Candela = 889 Located At Horizontal Angle = 45, Vertical Angle = 32.5  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (32.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



# PHOTO LUMENS

