



IES ROAD REPORT  
PHOTOMETRIC FILENAME : AU-LED-SS-CW-UE-ACF16SA.IES

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-5852  
[TESTLAB]LSI INDUSTRIES  
[ISSUE DATE]07/24/14  
[TEST DATE]07/24/14  
[MANUFACTURER]LSI INDUSTRIES  
[LUMEN CATEGORY]AU-LED-SS-CW-UE-ACF16SA  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[ABSOLUTE LUMENS]7073

**CHARACTERISTICS**

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7073
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	59.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.38
Maximum Candela	874
Maximum Candela Angle	45H 35V
Maximum Candela (<90 Degrees Vertical)	874
Maximum Candela Angle (<90 Degrees Vertical)	45H 35V
Maximum Candela At 90 Degrees Vertical	607 (8.6% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	614 (8.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	324.5	N.A.	4.6
FM - Front-Medium (30-60)	876.5	N.A.	12.4
FH - Front-High (60-80)	659.4	N.A.	9.3
FVH - Front-Very High (80-90)	325.7	N.A.	4.6
BL - Back-Low (0-30)	324.5	N.A.	4.6
BM - Back-Medium (30-60)	876.5	N.A.	12.4
BH - Back-High (60-80)	659.4	N.A.	9.3
BVH - Back-Very High (80-90)	325.7	N.A.	4.6
UL - Uplight-Low (90-100)	650.0	N.A.	9.2
UH - Uplight-High (100-180)	2050.6	N.A.	29.0
Total	7072.8	N.A.	100.0
BUG Rating	B2-U5-G3		

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**CANDELA TABULATION**

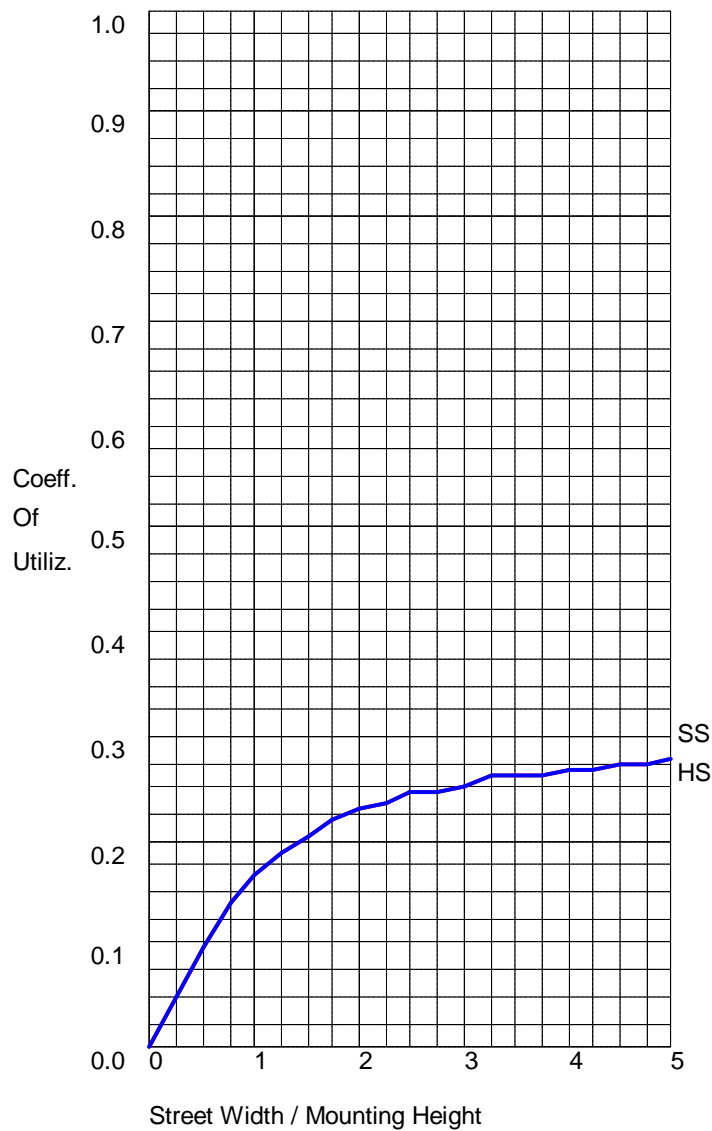
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	663	663	663	663	663
2.5	662	662	664	665	665
5.0	673	676	680	681	682
7.5	690	693	697	694	693
10.0	700	705	707	703	701
12.5	712	718	719	714	709
15.0	723	735	736	731	723
17.5	737	753	754	746	736
20.0	757	776	777	770	754
22.5	774	797	799	794	773
25.0	790	817	819	813	786
27.5	799	831	838	832	802
30.0	805	847	857	846	810
32.5	806	850	873	854	814
35.0	786	850	874	846	788
37.5	767	833	866	834	762
40.0	743	812	848	815	742
42.5	729	793	826	793	717
45.0	711	770	808	772	706
47.5	694	759	789	755	685
50.0	676	742	775	741	685
52.5	675	729	762	728	665
55.0	656	715	748	718	670
57.5	652	704	737	703	649
60.0	639	692	720	694	646
62.5	630	682	711	679	633
65.0	621	669	695	674	639
67.5	623	658	682	660	616
70.0	613	646	670	650	615
72.5	602	634	656	637	604
75.0	595	625	641	624	597
77.5	590	612	628	616	594
80.0	583	601	614	604	587
82.5	585	597	607	596	583
85.0	583	595	606	597	586
87.5	585	596	606	599	590
90.0	588	597	607	600	590
92.5	588	598	607	601	592
95.0	588	596	605	600	591
97.5	585	592	600	596	588
100.0	579	586	593	589	582
102.5	571	577	583	580	574
105.0	561	566	572	569	564
107.5	550	554	559	556	552
110.0	536	540	544	541	538
112.5	521	524	527	525	523
115.0	504	506	509	508	506
117.5	486	488	490	489	488
120.0	467	468	469	470	469
122.5	448	448	449	449	449
125.0	428	428	428	428	428
127.5	407	407	407	407	407
130.0	387	386	386	386	387

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**CANDELA TABULATION - (Cont.)**

<b>132.5</b>	365	365	363	365	366
<b>135.0</b>	344	343	343	344	345
<b>137.5</b>	323	322	321	323	324
<b>140.0</b>	302	301	300	301	303
<b>142.5</b>	281	280	279	280	281
<b>145.0</b>	260	259	258	259	259
<b>147.5</b>	240	238	238	238	239
<b>150.0</b>	219	218	219	219	220
<b>152.5</b>	201	200	201	202	203
<b>155.0</b>	184	183	184	186	186
<b>157.5</b>	169	168	169	170	171
<b>160.0</b>	157	156	156	157	158
<b>162.5</b>	144	144	143	144	144
<b>165.0</b>	133	133	130	131	129
<b>167.5</b>	123	122	119	117	116
<b>170.0</b>	112	110	107	104	103
<b>172.5</b>	98	97	94	91	90
<b>175.0</b>	85	83	82	79	78
<b>177.5</b>	67	67	66	65	65
<b>180.0</b>	54	54	54	54	54

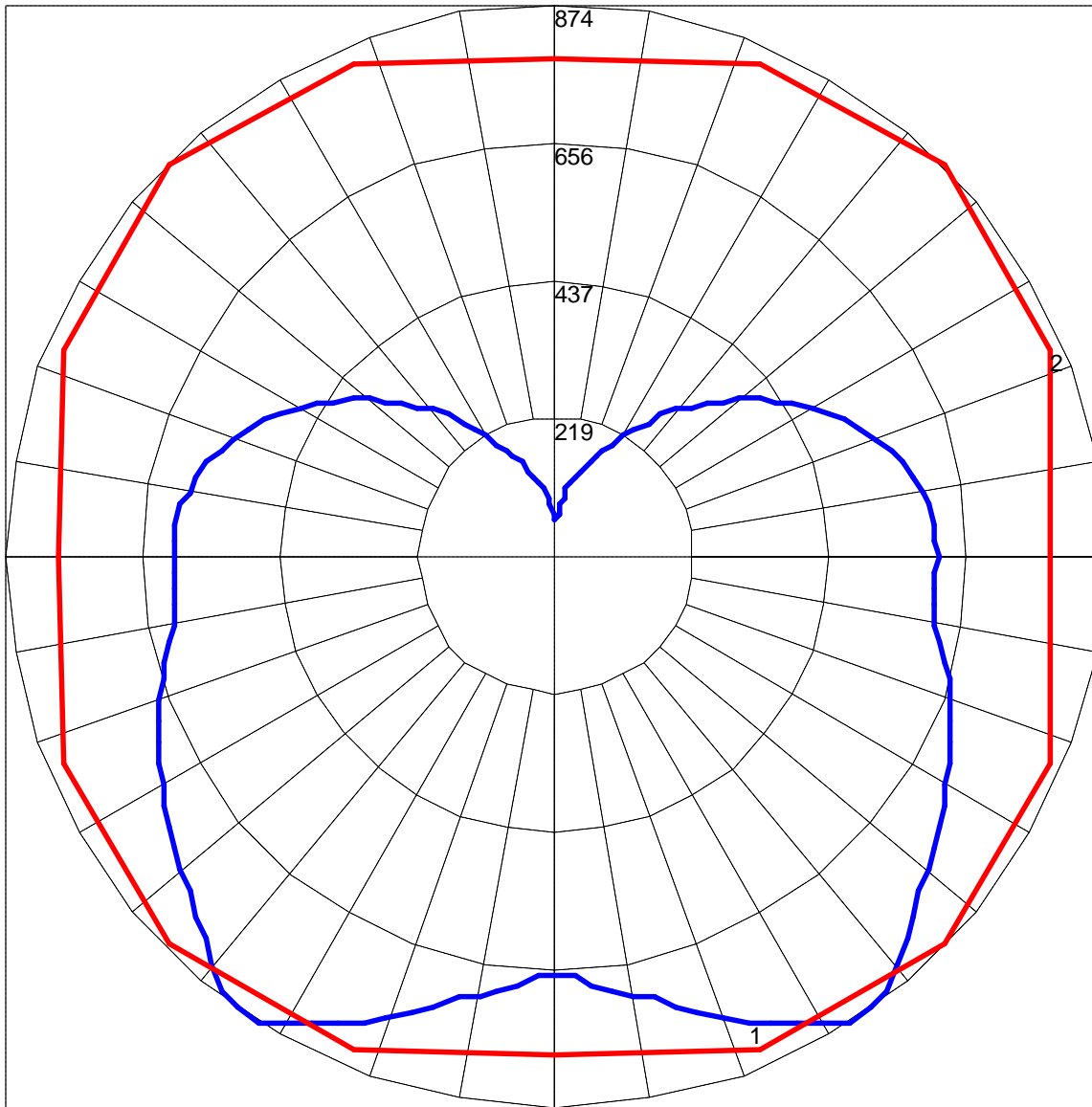
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

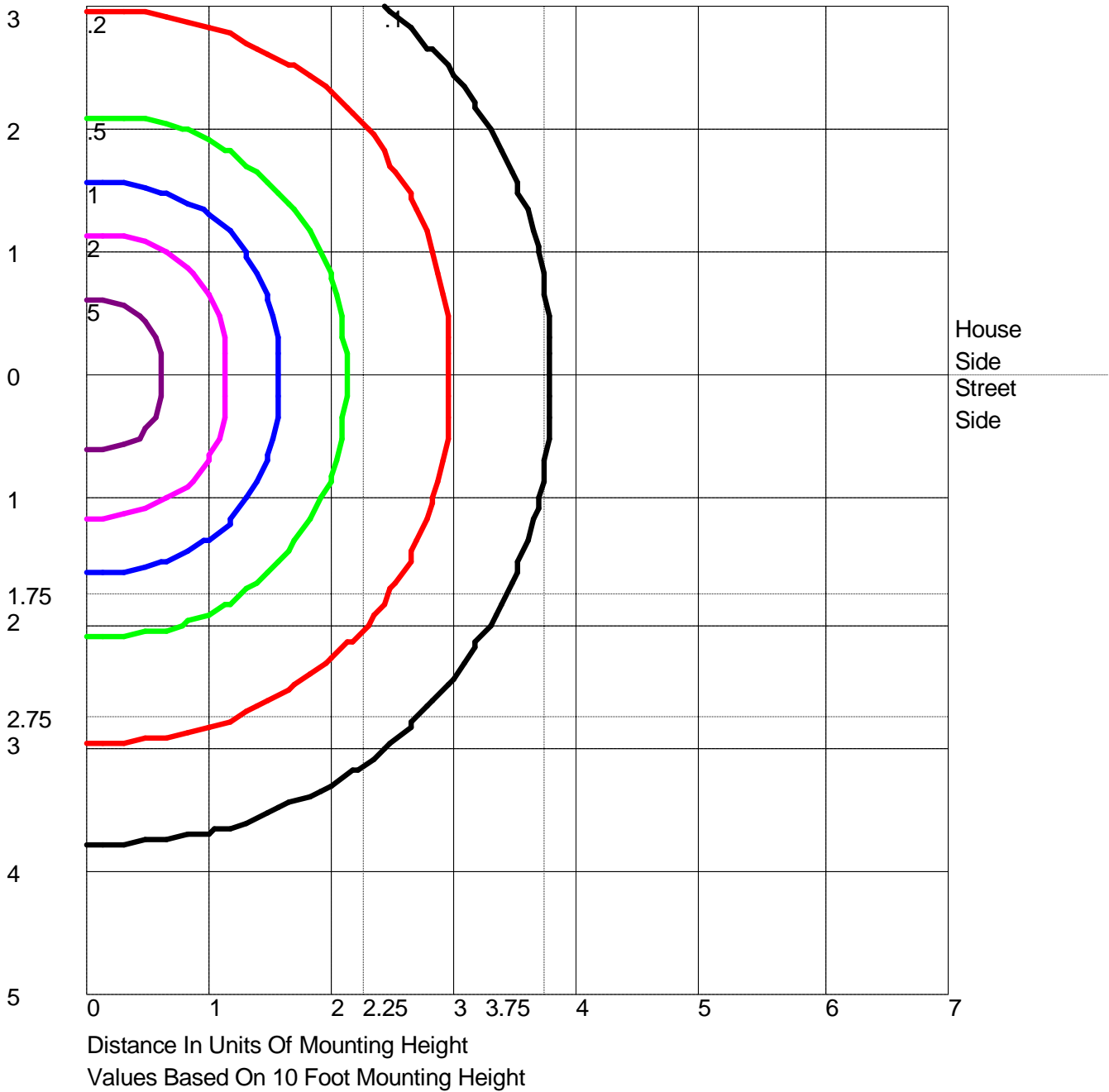
	Lumens	Percent Of Luminaire
Downward Street Side	2186.1	30.9
Downward House Side	2186.1	30.9
Downward Total	4372.2	61.8
Upward Street Side	1350.3	19.1
Upward House Side	1350.3	19.1
Upward Total	2700.6	38.2
Total Flux	7072.8	100.0

POLAR GRAPH



Maximum Candela = 874 Located At Horizontal Angle = 45, Vertical Angle = 35  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



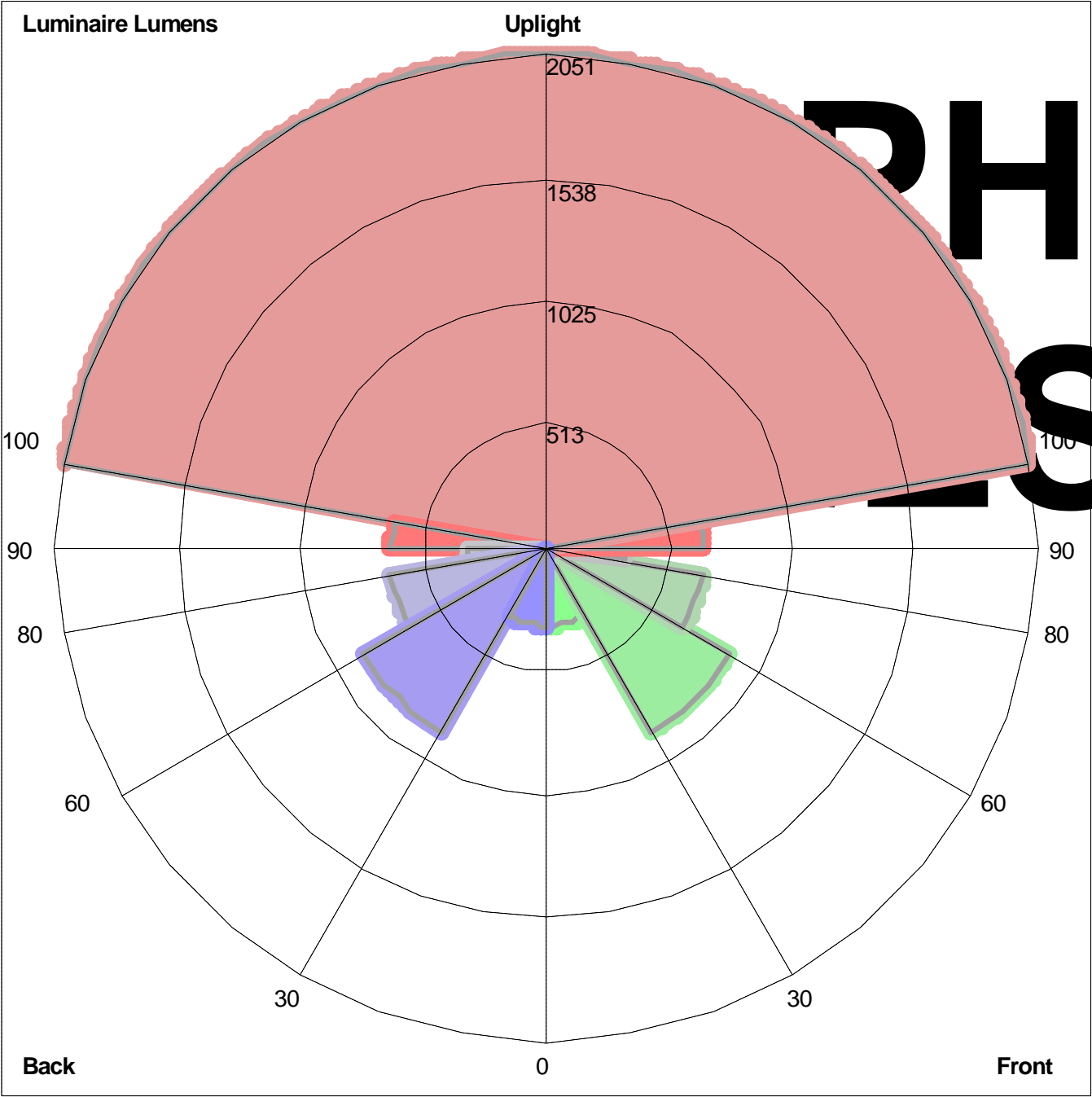


PHOTO  
LUMENS