



**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : SAL-UWLED1500M(SLED-U1500L28-S5)\_DN14J0220.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] DNL  
 [TESTLAB] DNL  
 [ISSUEDATE] 22-Jul-14  
 [MANUFAC] DNL  
 [LUMCAT] SAL-UWLED1500M(SLED-U1500L28-S5)  
 [OTHER] file No. DN14J0220

**CHARACTERISTICS**

Lumens Per Lamp	1970 (1 lamp)
Total Lamp Lumens	1970
Luminaire Lumens	1971
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	28
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.42
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.92 ft
Luminous Width (90-270)	0.16 ft
Luminous Height	0.21 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5327	3362	3179
55	4922	2924	2830
65	4331	2529	2523
75	3365	2188	2258
85	1562	1905	2028

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**CANDELA TABULATION**

	<u>0</u>	<u>45</u>	<u>90</u>
<b>0</b>	453.0	453.0	453.0
<b>5</b>	451.6	452.4	453.2
<b>10</b>	445.8	449.1	451.6
<b>15</b>	434.3	443.5	448.3
<b>20</b>	419.0	433.1	443.5
<b>25</b>	399.6	420.3	436.1
<b>30</b>	376.5	404.6	426.1
<b>35</b>	350.1	386.4	413.3
<b>40</b>	320.3	365.0	398.8
<b>45</b>	289.0	341.8	381.5
<b>50</b>	255.2	317.1	362.5
<b>55</b>	220.4	291.5	342.2
<b>60</b>	184.2	265.0	320.3
<b>65</b>	147.0	239.5	298.2
<b>70</b>	109.8	213.8	275.4
<b>75</b>	74.3	190.0	252.6
<b>80</b>	41.3	166.8	229.5
<b>85</b>	14.9	145.4	207.2
<b>90</b>	0.0	127.1	186.6
<b>95</b>	0.0	110.6	167.7
<b>100</b>	0.0	95.7	149.5
<b>105</b>	0.0	83.3	133.0
<b>110</b>	0.0	72.6	117.3
<b>115</b>	0.0	62.8	103.2
<b>120</b>	0.0	55.4	90.8
<b>125</b>	0.0	41.3	79.2
<b>130</b>	0.0	24.0	68.4
<b>135</b>	0.0	5.7	49.6
<b>140</b>	0.0	0.0	28.5
<b>145</b>	0.0	0.0	6.6
<b>150</b>	0.0	0.0	0.0
<b>155</b>	0.0	0.0	0.0
<b>160</b>	0.0	0.0	0.0
<b>165</b>	0.0	0.0	0.0
<b>170</b>	0.0	0.0	0.0
<b>175</b>	0.0	0.0	0.0
<b>180</b>	0.0	0.0	0.0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	168.01	8.50	8.50
0-30	361.32	18.30	18.30
0-40	601.73	30.50	30.50
0-60	1119.44	56.80	56.80
0-80	1535.46	77.90	77.90
0-90	1676.64	85.10	85.10
10-90	1633.58	82.90	82.90
20-40	433.72	22.00	22.00
20-50	695.12	35.30	35.30
40-70	746.70	37.90	37.90
60-80	416.02	21.10	21.10
70-80	187.02	9.50	9.50
80-90	141.18	7.20	7.20
90-110	185.95	9.40	9.40
90-120	243.20	12.30	12.30
90-130	279.33	14.20	14.20
90-150	294.14	14.90	14.90
90-180	294.14	14.90	14.90
110-180	108.19	5.50	5.50
0-180	1970.78	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	43.07
10-20	124.95
20-30	193.31
30-40	240.41
40-50	261.40
50-60	256.31
60-70	229.00
70-80	187.02
80-90	141.18
90-100	106.37
100-110	79.58
110-120	57.26
120-130	36.12
130-140	13.10
140-150	1.71
150-160	0.00
160-170	0.00
170-180	0.00

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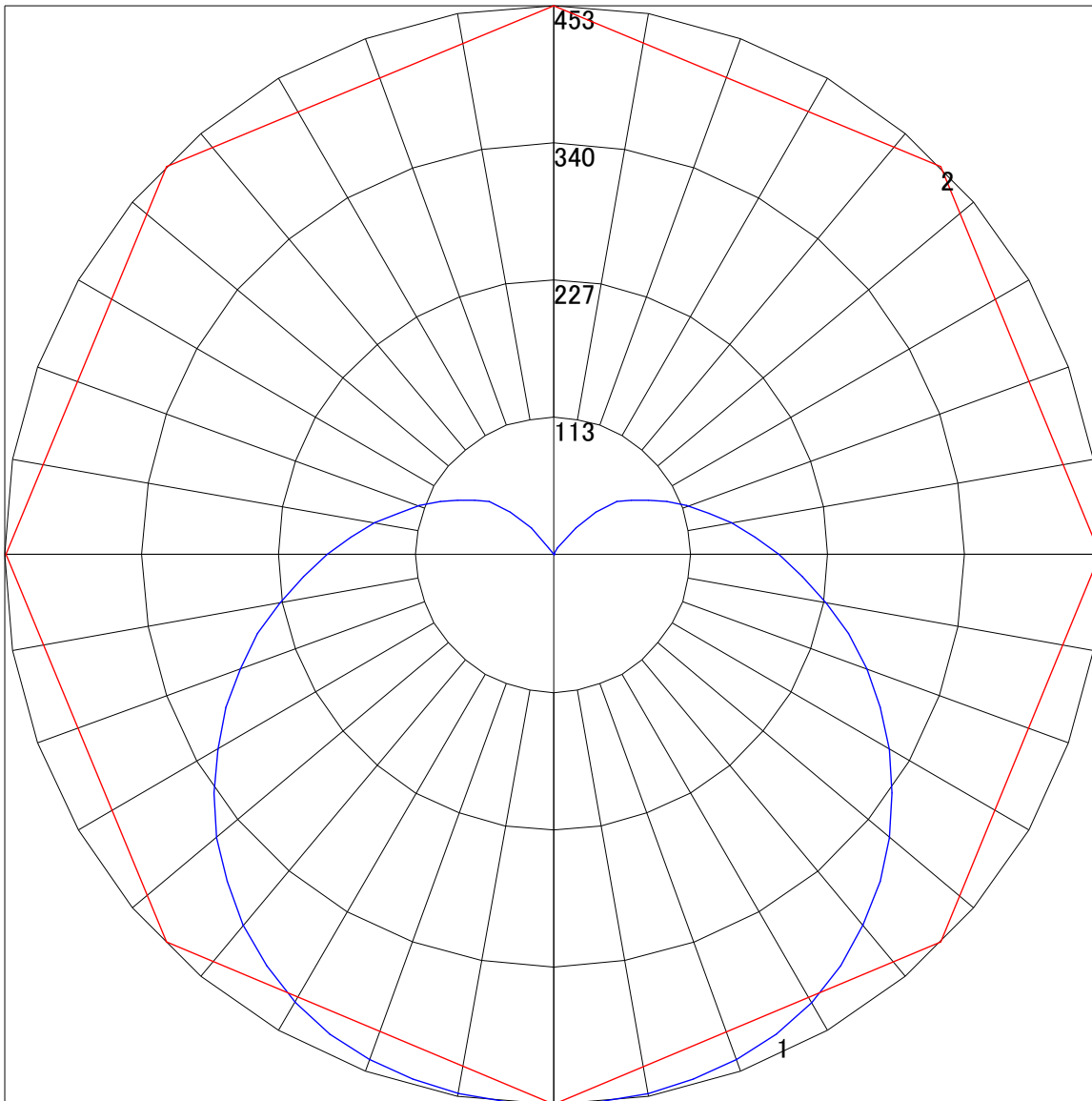
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	116	116	116	116	111	111	111	111	103	103	103	95	95	95	88	88	88	85
1	103	97	91	86	98	93	88	84	86	82	78	79	76	73	73	71	68	65
2	92	83	75	68	88	79	72	66	73	68	62	68	63	59	63	59	55	52
3	83	72	63	56	80	69	61	54	64	57	51	59	53	48	55	50	46	43
4	76	63	54	46	72	61	52	45	56	49	43	52	46	41	48	43	39	36
5	70	56	46	39	66	54	45	39	50	43	37	46	40	35	43	38	33	31
6	64	50	41	34	61	48	40	33	45	37	32	42	35	30	39	33	29	26
7	59	45	36	30	57	44	35	29	41	33	28	38	32	27	35	30	25	23
8	55	41	32	26	53	40	32	26	37	30	25	35	28	24	33	27	23	21
9	51	38	29	24	49	36	28	23	34	27	22	32	26	21	30	24	20	18
10	48	35	27	21	46	34	26	21	32	25	20	30	24	19	28	22	18	17

POLAR GRAPH



Maximum Candela = 453.2 Located At Horizontal Angle = 90, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)