

Photometric Report

CATALOG NUMBER: ELW-EC-80W

Thursday, September 30, 2010

FILENAME: ELW-EC-80W.IES

ELW-EC-80W
IESNA91
[TEST] UM-TCAUP_ESLL
[MANUFAC] FSS Inc
[LUMCAT] ELW-EC-80W
[LUMINAIRE] 80W NEW CONTEMPORARY WALKWAY
[LAMPCAT] INDUCTION
[LAMP] 1; 80W INDUCTION
[OTHER] Version: 8/22/07 - 12:00:00

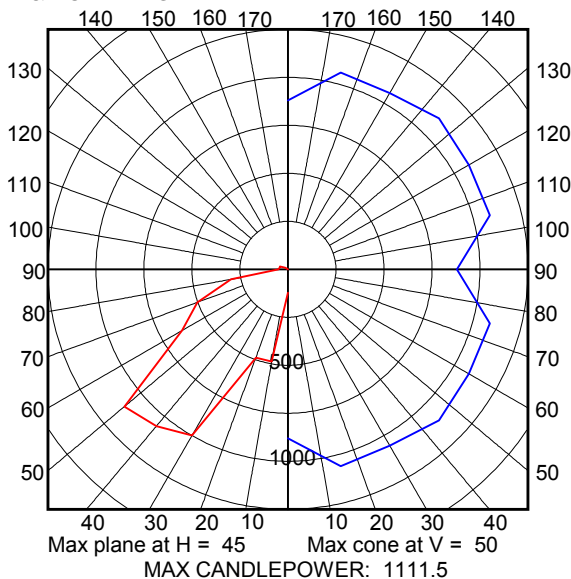
SUMMARY DATA

EFFICIENCY (Total): 58.0 %
EFFICIENCY (Down / Up): 56.1 % / 2.0 %
EFFICIENCY (Street / House): 29.0 % / 29.0 %
ROADWAY CLASSIFICATION: TYPE VS,
CUTOFF CLASSIFICATION: CUTOFF
LUMENS/LAMP: 6800
NO. OF LAMPS: 1
LUMINOUS OPENING: RECTANGULAR
Width: 1.50 (Feet)
Length: 1.50
Height: 0.00
INPUT WATTS: 88
TER - Task Efficacy (LPW): 40 (BF = 1)
TER Category: Area and Site

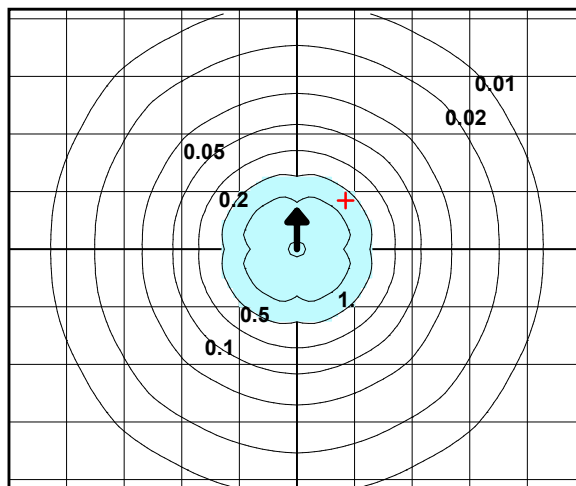
LUMINAIRE CLASSIFICATION SYSTEM (BUG RATING = B2-U2-G1)

FORWARD LIGHT	Lumens (% of Lamp Lumens)	
FL (0-30):	259	(3.8%)
FM (30-60):	1081	(15.9%)
FH (60-80):	473	(7.0%)
FVH(80-90):	90	(1.3%)
BACKLIGHT		
BL (0-30):	259	(3.8%)
BM (30-60):	1081	(15.9%)
BH (60-80):	473	(7.0%)
BVH(80-90):	90	(1.3%)
UPLIGHT		
UL (90-100):	50	(0.7%)
UH (100-180):	84	(1.2%)
TRAPPED LIGHT:	2857	(42.0%)

PLANE & CONE DIAGRAM



ISO-ILLUMINANCE DIAGRAM (fc)



Mounting Height	Multiplier
10	4.000
15	1.778
20	1.000
25	0.640
30	0.444
35	0.327
40	0.250
45	0.198
50	0.160

Shade Limit:
0.5 fc.

Shaded Area:
2245 sq.ft.

+ = Point of max candela

Reported data calculated from manufacturer's data file, based on IESNA recommended methods.

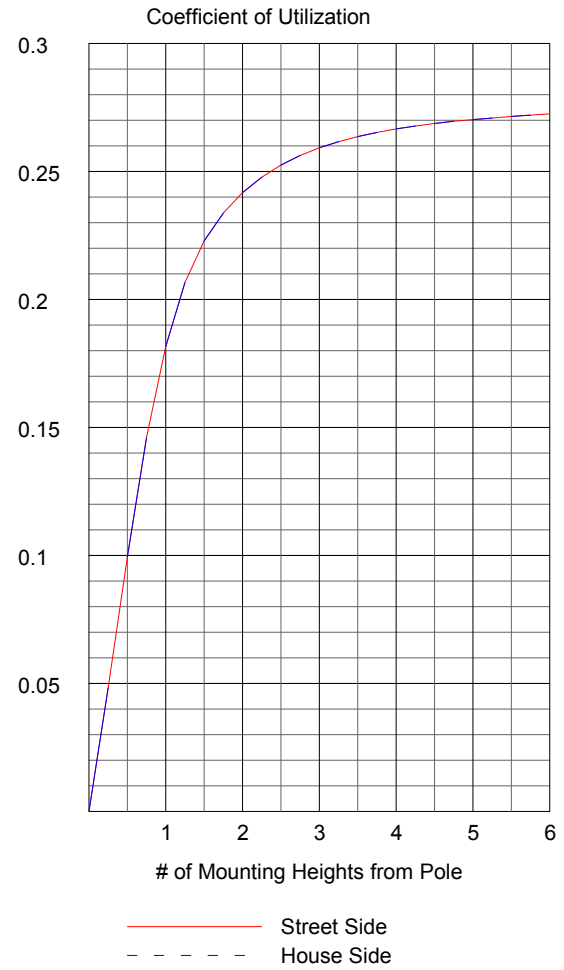
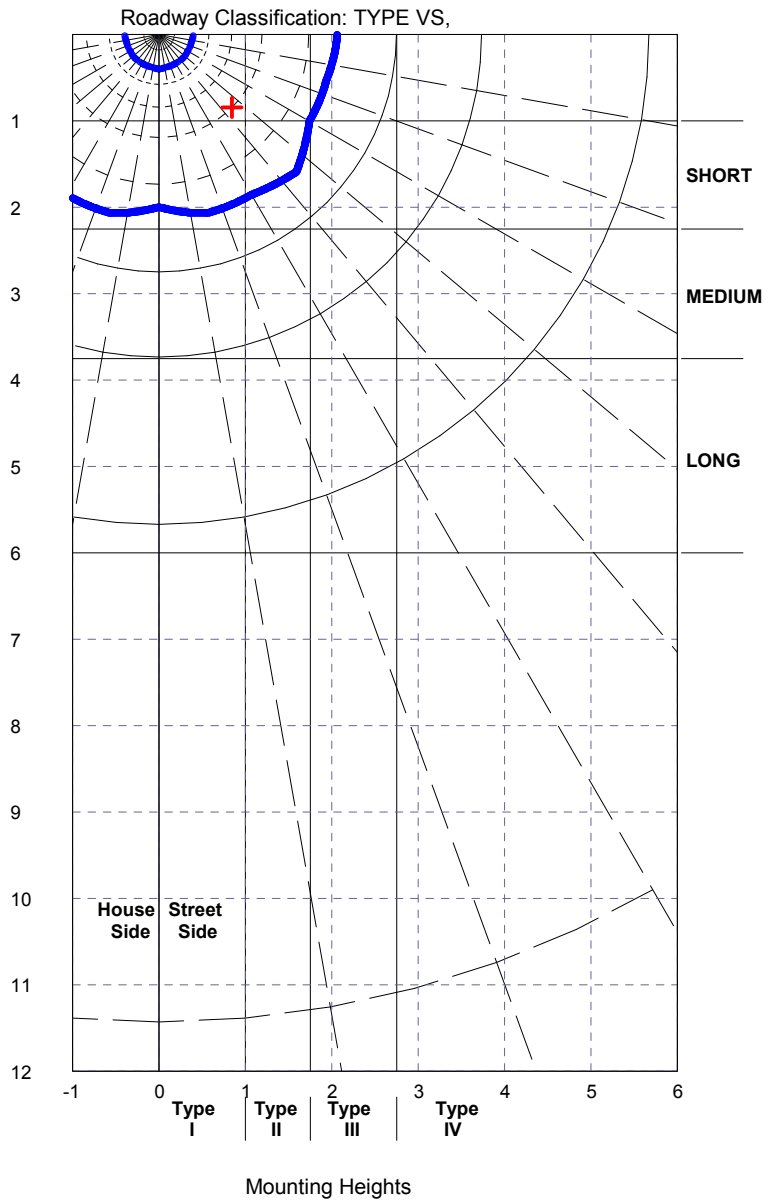
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CANDELA TABLE

Vertical	Horizontal Angles											
<u>Angle</u>	<u>0</u>	<u>15</u>	<u>30</u>	<u>45</u>	<u>60</u>	<u>75</u>	<u>90</u>	<u>105</u>	<u>120</u>	<u>135</u>	<u>150</u>	<u>165</u>
0	123	123	123	123	123	123	123	123	123	123	123	123
10	505	491	491	487	497	497	503	497	497	487	491	491
20	507	503	503	489	503	503	503	503	503	489	503	503
30	788	994	994	999	960	960	788	960	960	999	994	994
40	863	1038	1038	1066	1050	1050	863	1050	1050	1066	1038	1038
<u>50</u>	<u>880</u>	<u>1061</u>	<u>1061</u>	<u>1112</u>	<u>1089</u>	<u>1089</u>	<u>880</u>	<u>1089</u>	<u>1089</u>	<u>1112</u>	<u>1061</u>	<u>1061</u>
60	614	603	603	637	631	631	603	631	631	637	603	603
70	475	469	469	503	480	480	464	480	480	503	469	469
80	289	279	279	301	284	284	279	284	284	301	279	279
90	33	45	45	50	48	48	50	48	48	50	45	45
100	45	45	45	45	45	45	45	45	45	45	45	45
110	45	45	45	45	45	45	45	45	45	45	45	45
120	15	15	15	15	15	15	15	15	15	15	15	15
130	0	0	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0

Vertical	Horizontal Angles	
<u>Angle</u>	<u>180</u>	
0	123	
10	505	
20	507	
30	788	
40	863	
50	880	
60	614	
70	475	
80	289	
90	33	
100	45	
110	45	
120	15	
130	0	
140	0	
150	0	
160	0	
170	0	
180	0	

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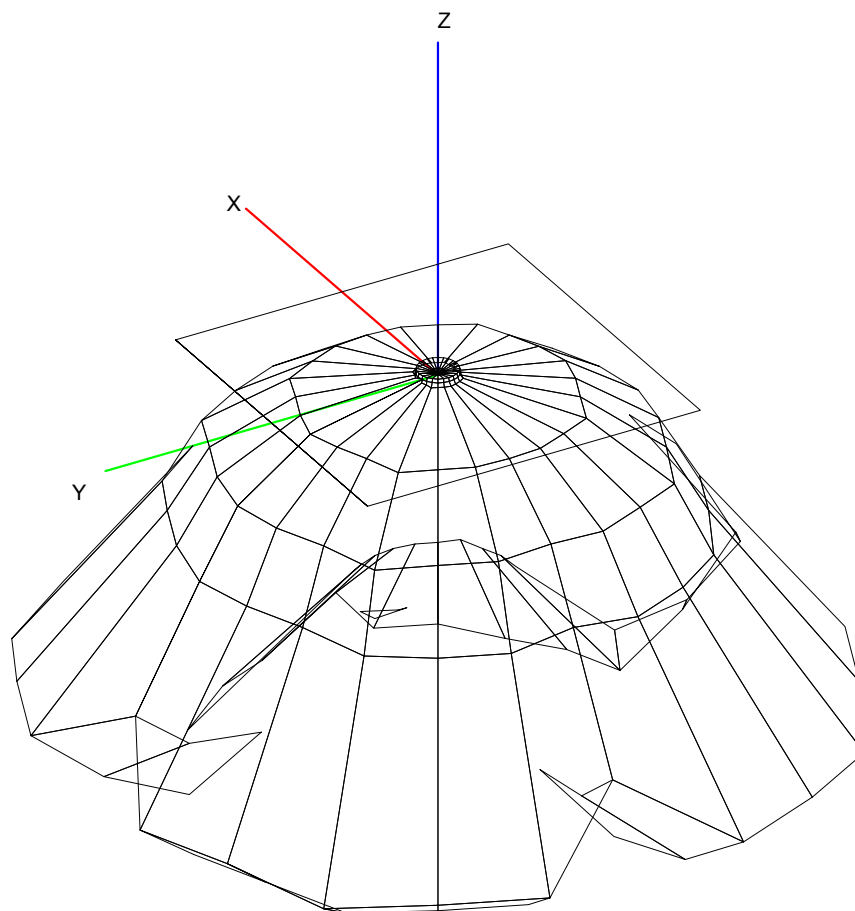
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