



B-K Lighting INC  
Catalog Number  
UO-LED-4000K-WW-2-42-WHP-INC-MT



Electrical Test Conditions

Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.5 °C	120.0 VAC	0.1697 A	20.19 W	0.991	60 Hz	10.2 %

Summary of Results

Total Lumen Output	823.3 Lumens
Luminaire Efficacy	40.8 lm/w
Maximum Candela	629 Candela
IES Roadway Classification	Type II, Short
Cutoff Classification	Cutoff
BUG Rating	B0 U1 G0
CCT	3979 K
CRI	81.0
Duv	0.0018
TM-30 Rf	82.0
TM-30 Rg	99.0

Luminaire Classification System (LCS)

LCS	Zone	Lumens	%
FL	(0-30)	177	22%
FM	(30-60)	475	59%
FH	(60-80)	109	13%
FVH	(80-90)	1	0%
BL	(0-30)	28	3%
BM	(30-60)	15	2%
BH	(60-80)	2	0%
BVH	(80-90)	0	0%
UL	(90-100)	0	0%
UH	(100-180)	0	0%

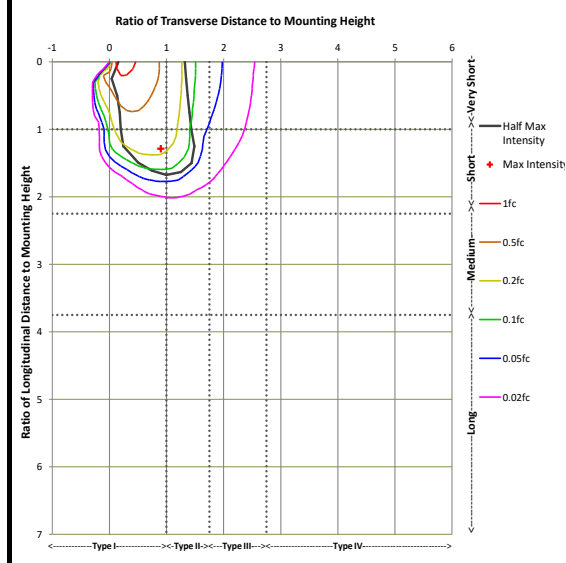
Color Rendering Index Details

Ra (CRI)	81.0
R1	79.8
R2	84.5
R3	89.5
R4	82.6
R5	80.2
R6	80.2
R7	85.1
R8	65.9
R9	7.8
R10	64.6
R11	83.2
R12	65.1
R13	80.1
R14	94.0

Chromaticity Coordinates

Chromaticity (x)	0.3826
Chromaticity (y)	0.3820
Chromaticity (u)	0.2244
Chromaticity (v)	0.3361
Chromaticity (u')	0.2244
Chromaticity (v')	0.5042

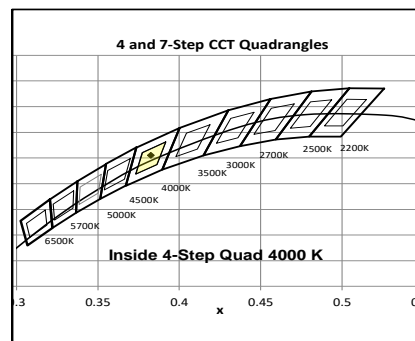
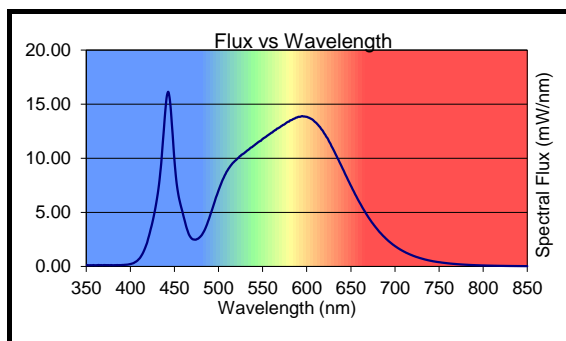
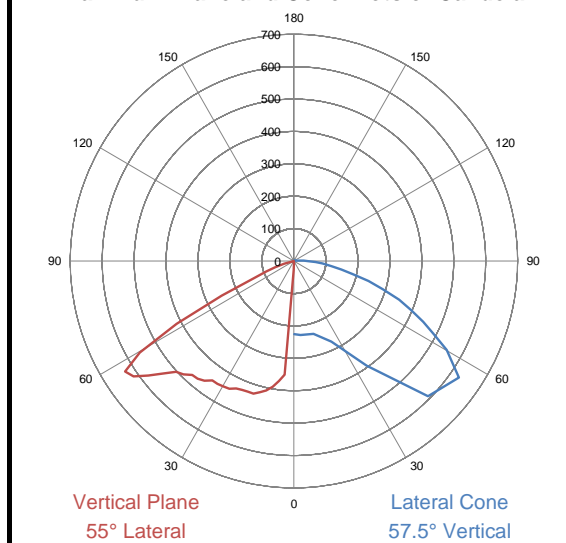
ISO FootCandle Plot at 20 Feet



Intensity Through Maximum Plane (Candlepower)

Angle	Candlepower	Lumens
0	4	
5	351	19
10	393	
15	419	74
20	428	
25	433	111
30	446	
35	448	142
40	471	
45	492	173
50	537	
55	615	175
60	559	
65	250	88
70	93	
75	32	22
80	4	
85	1	1
90	0	
95	0	0
100	0	
105	0	0
110	0	
115	0	0
120	0	
125	0	0
130	0	
135	0	0
140	0	
145	0	0
150	0	
155	0	0
160	0	
165	0	0
170	0	
175	0	0
180	0	

Maximum Plane and Cone Plots of Candela



Testing was performed in accordance with LM-79-08  
The results contained in this summary pertain only to report #13819078.04