

Photometrics Pro

Luminaire Photometric Report

Filename: Frosty-YJB

Manufacturer: YJBLED.com

Luminaire Cat: Frosty Light

Lamp:

Lamp Output: 1 lamp(s), rated lamp lumens: 1860

Max Candela: 518.4 at Horizontal: 40, Vertical: 90

Input Wattage: 18

Luminous Opening: (L: 0ft, W: 0.12ft, H: 3.00ft)

Photometry : Type C

CIE Class: General Diffuse

Cutoff Class: Non-Cutoff

Nema Type: 5 X 5

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	47.1%	876.4	82.4	80.2
Beam (50%):	39.7%	737.5	66.5	70.8
Total:	47.6%	885.2		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	53.1	2.9%	3%
0-40	118.5	6.4%	6.6%
0-60	349.9	18.8%	19.6%
60-90	542.3	29.2%	30.4%
0-90	892.2	48%	50%
90-180	891.6	47.9%	50%
0-180	1,783.8	95.9%	100%
Total Efficiency: 95.9%			

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	3.2	0.2%	90-100	195.8	11%
10-20	14.0	0.8%	100-110	184.3	10.3%
20-30	35.9	2.0%	110-120	162.2	9.1%
30-40	65.4	3.7%	120-130	132.5	7.4%
40-50	98.9	5.5%	130-140	99.0	5.5%
50-60	132.5	7.4%	140-150	65.4	3.7%
60-70	162.2	9.1%	150-160	35.9	2%
70-80	184.3	10.3%	160-170	14.0	0.8%
80-90	195.8	11.0%	170-180	2.7	0.2%

Roadway Summary

Cutoff Classification:	NON-CUTOFF	
Distribution:	TYPE I, VERY LONG	
Max Cd, 90 Deg Vert:	518.4	
Max Cd, 80 to <90 Deg:	512.0	
	Lumens % Lamp	
Downward Street Side:	888.8	47.8%
Downward House Side:	1.0	0.1%
Downward Total:	889.8	47.8%
Upward Street Side:	888.7	47.8%
Upward House Side:	0	0%

Upward Total: 888.7 47.8%

Total Lumens: 1,778.5 95.6%

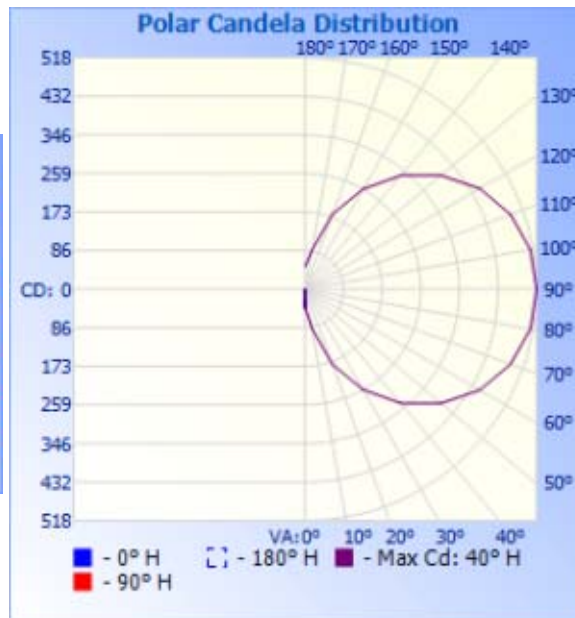
Coefficients Of Utilization - Zonal Cavity Method

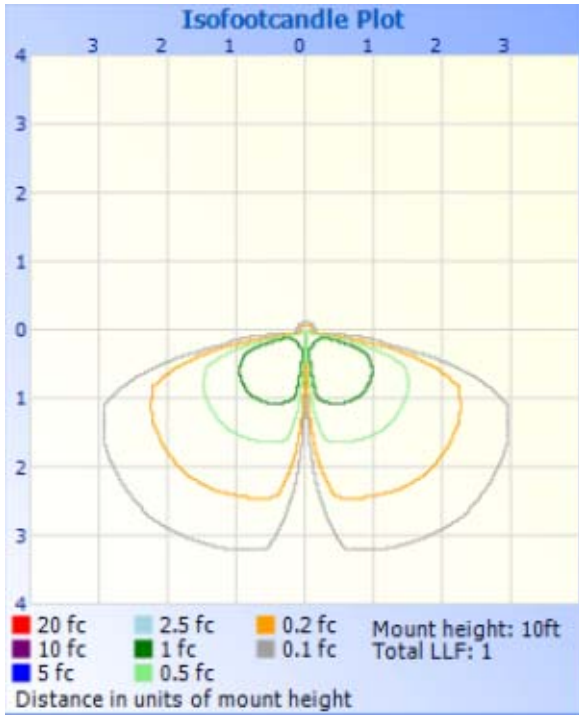
Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0			
RCR: 0	1.03	1.03	1.03	1.03	.95	.95	.95	.48	.80	.80	.80	.66	.66	.66	.54	.54	.54	.48			
1	.88	.82	.76	.71	.81	.75	.70	.30	.62	.58	.54	.50	.47	.44	.39	.37	.35	.29			
2	.78	.69	.60	.54	.71	.63	.55	.22	.51	.46	.41	.41	.37	.33	.31	.28	.25	.20			
3	.70	.59	.49	.42	.64	.53	.45	.16	.44	.37	.32	.34	.30	.26	.26	.22	.19	.15			
4	.63	.51	.41	.34	.57	.46	.38	.13	.38	.31	.26	.30	.25	.20	.22	.18	.15	.11			
5	.58	.44	.35	.28	.52	.40	.32	.10	.33	.26	.21	.26	.21	.17	.20	.16	.12	.09			
6	.53	.39	.30	.24	.48	.36	.28	.08	.29	.23	.18	.23	.18	.14	.17	.13	.10	.07			
7	.49	.35	.26	.20	.44	.32	.24	.07	.26	.20	.15	.21	.16	.12	.16	.12	.09	.06			
8	.45	.32	.23	.17	.41	.29	.21	.06	.24	.17	.13	.19	.14	.10	.14	.10	.07	.05			
9	.42	.29	.21	.15	.38	.26	.19	.05	.21	.16	.11	.17	.12	.09	.13	.09	.06	.04			
10	.39	.26	.18	.13	.35	.24	.17	.04	.20	.14	.10	.16	.11	.08	.12	.08	.06	.04			

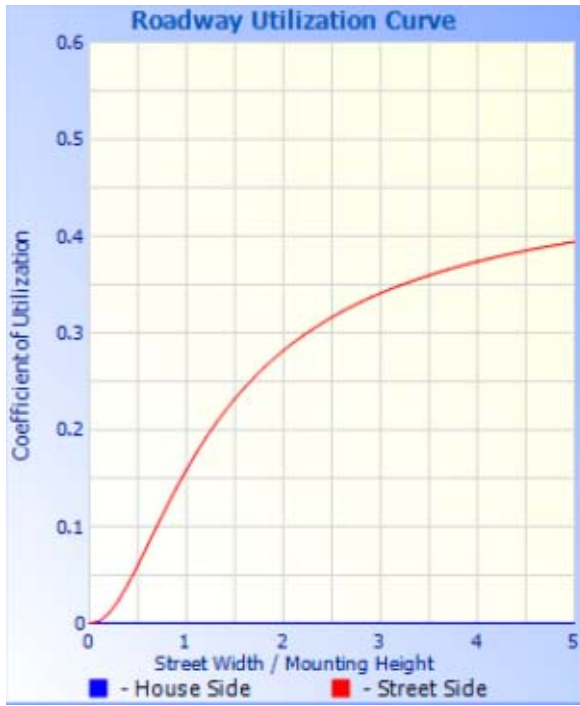
	Center Beam FC	Beam Width
8.3ft	0.60 fc	11.9ft 10.9ft
16.7ft	0.15 fc	23.7ft 21.8ft
25.0ft	0.07 fc	35.6ft 32.8ft
33.3ft	0.04 fc	47.4ft 43.7ft
41.7ft	0.02 fc	59.3ft 54.6ft
50.0ft	0.02 fc	71.1ft 65.5ft

■ Vert. Spread: 70.8° ■ Horiz. Spread: 66.5°





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Candela Table - Type C

	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
10	0	70	80	86	90	86	80	64	10	0	0	0	0	0	0	0	0	0	0
20	0	138	157	170	179	170	157	128	19	0	0	0	0	0	0	0	0	0	0
30	0	202	227	250	259	250	227	186	26	0	0	0	0	0	0	0	0	0	0
40	0	259	294	320	333	320	294	237	35	0	0	0	0	0	0	0	0	0	0
50	0	310	349	381	397	381	349	282	42	0	0	0	0	0	0	0	0	0	0
60	0	349	397	429	451	429	397	320	45	0	0	0	0	0	0	0	0	0	0
70	0	381	429	467	490	467	429	349	51	0	0	0	0	0	0	0	0	0	0
80	0	397	451	490	512	490	451	365	51	0	0	0	0	0	0	0	0	0	0
90	0	403	458	496	518	496	458	371	54	0	0	0	0	0	0	0	0	0	0
100	0	397	451	490	512	490	451	365	51	0	0	0	0	0	0	0	0	0	0
110	0	381	429	467	490	467	429	349	51	0	0	0	0	0	0	0	0	0	0
120	0	349	397	429	451	429	397	320	45	0	0	0	0	0	0	0	0	0	0
130	0	310	349	381	397	381	349	282	42	0	0	0	0	0	0	0	0	0	0
140	0	259	294	320	333	320	294	237	35	0	0	0	0	0	0	0	0	0	0
150	0	202	227	250	259	250	227	186	26	0	0	0	0	0	0	0	0	0	0
160	0	138	157	170	179	170	157	128	19	0	0	0	0	0	0	0	0	0	0
170	0	70	80	86	90	86	80	64	10	0	0	0	0	0	0	0	0	0	0
180	0	42	45	51	51	51	45	38	6	0	0	0	0	0	0	0	0	0	0

Luminaire Report Summary

IESNA:LM-63-1995

[TEST]

[MANUFAC] YJBLED.com

[LUMCAT] Frosty Light

[LUMINAIRE]

[LAMPCAT]

[LAMP]

[MORE]

[MORE]

FILE: CANDELA MULTIPLIER: 3.2

FILE: VERTICAL ANGLES: 19, HORIZONTAL ANGLES: 19

FILE: COORDINATE SYSTEM: TYPE C

FILE: UNIT OF MEASURE: STANDARD

FILE: BALLAST FACTOR: 1

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