

# Photometrics Pro

## Luminaire Photometric Report

- [Evaluation Version]

**Filename: PLT-1103B**

Luminaire: LED CORN LIGHT

Lamp Cat: LED

Lamp Output: 1 lamp, rated Lumens/lamp: 1116.1

Max Candela: 131.3 at Horizontal: 330°, Vertical: 50°

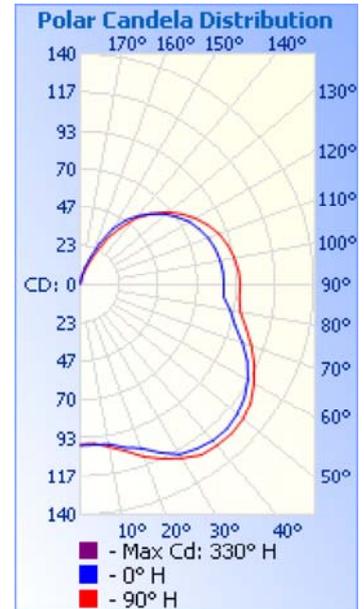
Input Wattage: 9.7

Luminous Opening: Rectangle (L: 5.51", W: 4.72")

Test: L3574

Test Date: 2018-2-4

Photometry : Type C

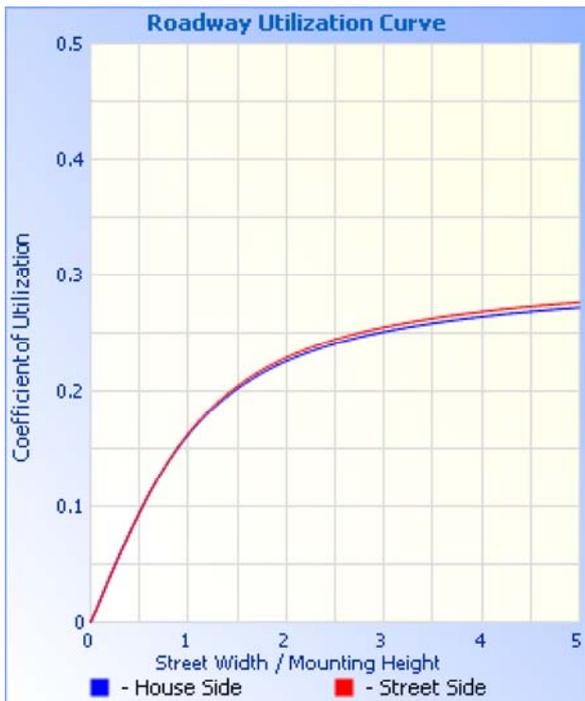
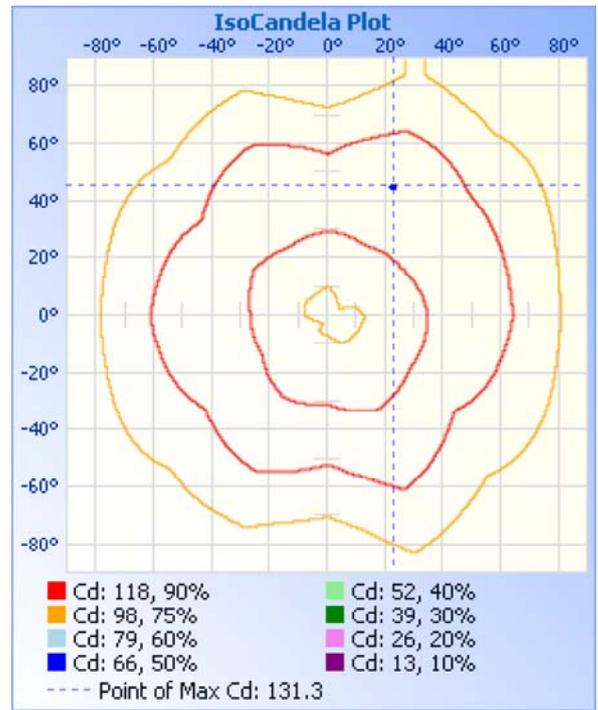
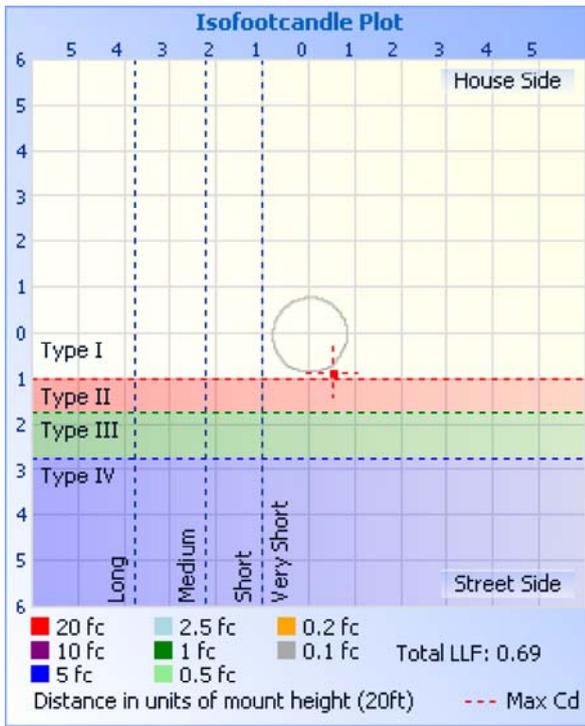


Roadway Summary		
Cutoff Classification:	NONCUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	100.0	
Max Cd, 80 to <90 Deg:	103.8	
	Lumens	% Lamp
Downward Street Side:	348.0	31.2%
Downward House Side:	339.8	30.4%
Downward Total:	687.8	61.6%
Upward Street Side:	216.8	19.4%
Upward House Side:	211.8	19%
Upward Total:	428.6	38.4%
<b>Total Lumens:</b>	<b>1,116.4</b>	<b>100%</b>

Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	99.9%	1,114.9	n/a	45
Beam (50%):	92.7%	1,034.5	n/a	280.6
<b>Total:</b>	<b>100.1%</b>	<b>1,116.7</b>		

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Luminaire
0-30	90.9	8.1%	8.1%
0-40	167.1	15%	15%
0-60	371.6	33.3%	33.3%
60-90	316.2	28.3%	28.3%
70-100	303.5	27.2%	27.2%
90-120	272.0	24.4%	24.4%
0-90	687.9	61.6%	61.6%
90-180	428.8	38.4%	38.4%
0-180	1,116.6	100%	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	9.4	0.8%	90-100	98.2	8.8%
10-20	29.2	2.6%	100-110	92.4	8.3%
20-30	52.3	4.7%	110-120	81.4	7.3%
30-40	76.2	6.8%	120-130	66.0	5.9%
40-50	96.1	8.6%	130-140	47.7	4.3%
50-60	108.4	9.7%	140-150	28.9	2.6%
60-70	110.9	9.9%	150-160	11.7	1.1%
70-80	105.4	9.4%	160-170	2.4	0.2%
80-90	99.9	8.9%	170-180	0.1	0%



**Illuminance at a Distance**

	Center Beam fc	Beam Width
17.0ft	<b>0.34 fc</b>	
34.0ft	<b>0.08 fc</b>	
51.0ft	<b>0.04 fc</b>	
68.0ft	<b>0.02 fc</b>	
85.0ft	<b>0.01 fc</b>	
102.0ft	<b>0.01 fc</b>	

**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	1.10	1.10	1.10	1.10	1.03	1.03	1.03	.62	.90	.90	.90	.78	.78	.78	.67	.67	.67	.62
1	.96	.90	.84	.79	.89	.84	.79	.44	.72	.68	.65	.62	.59	.56	.52	.50	.48	.43
2	.86	.76	.68	.61	.79	.71	.63	.34	.61	.55	.50	.52	.47	.43	.43	.40	.37	.32
3	.77	.65	.56	.49	.71	.61	.52	.27	.52	.46	.40	.44	.39	.35	.37	.33	.29	.25
4	.70	.57	.47	.40	.64	.53	.44	.22	.45	.38	.33	.39	.33	.28	.32	.28	.24	.20
5	.64	.50	.40	.33	.59	.47	.38	.18	.40	.33	.28	.34	.28	.24	.28	.24	.20	.17
6	.58	.44	.35	.28	.54	.41	.33	.16	.36	.29	.23	.30	.25	.20	.25	.21	.17	.14
7	.54	.40	.31	.24	.50	.37	.29	.13	.32	.25	.20	.27	.22	.17	.23	.18	.15	.12

8	.50	.36	.27	.21	.46	.34	.26	.12	.29	.22	.18	.25	.19	.15	.21	.16	.13	.11
9	.46	.33	.24	.19	.43	.31	.23	.10	.26	.20	.16	.23	.17	.13	.19	.15	.11	.09
10	.43	.30	.22	.17	.40	.28	.21	.09	.24	.18	.14	.21	.16	.12	.18	.13	.10	.08

**Photometrics Pro - Evaluation Version**

**Candela Table - Type C**

	0	30	60	90	120	150	180	210	240	270	300	330	360
0	98	97	97	97	99	98	98	97	97	97	99	98	98
5	97	97	97	97	99	98	98	97	97	97	99	98	97
10	98	99	99	100	102	100	100	98	97	97	99	99	98
15	102	104	102	104	106	103	102	101	101	99	101	103	102
20	105	108	107	111	112	108	107	104	104	103	104	107	105
25	112	115	114	116	117	113	113	110	110	108	110	115	112
30	119	121	118	121	120	117	118	114	116	114	118	121	119
35	121	126	121	126	123	120	120	117	119	118	122	126	121
40	123	129	122	127	123	122	121	120	120	123	124	129	123
45	124	130	122	128	122	124	121	123	120	125	125	131	124
50	122	129	120	127	119	123	119	124	119	125	125	131	122
55	119	126	116	124	115	121	116	123	117	124	123	129	119
60	115	122	112	120	110	116	111	121	113	121	119	126	115
65	110	116	106	115	104	111	105	118	108	117	114	122	110
70	103	110	99	109	98	105	99	113	100	111	107	115	103
75	96	104	93	103	92	99	92	108	93	104	100	108	96
80	91	99	88	97	87	96	88	102	88	99	94	104	91
85	86	95	85	95	86	93	84	97	83	94	89	100	86
90	86	95	84	95	86	94	84	97	83	94	87	100	86
95	86	94	84	95	85	94	83	96	83	94	87	101	86
100	85	92	83	93	84	93	83	95	82	93	86	100	85
105	83	90	81	91	82	92	81	93	81	92	85	99	83
110	81	88	79	88	80	90	79	90	79	90	83	96	81
115	78	85	76	84	77	87	76	87	76	87	80	93	78
120	75	81	72	79	72	83	72	83	73	83	77	89	75
125	70	76	68	74	68	78	68	78	68	79	73	84	70
130	66	70	63	67	62	72	63	72	64	73	68	77	66
135	60	62	57	59	56	66	57	66	58	67	63	68	60
140	53	52	51	52	49	58	51	59	52	60	57	59	53
145	47	43	43	41	42	47	43	50	45	52	50	48	47
150	38	32	34	32	31	37	34	38	37	40	42	37	38
155	27	23	21	20	19	27	21	28	25	18	32	27	27
160	17	15	14	12	13	14	7	14	14	13	20	17	17
165	10	8	8	6	3	5	2	3	10	12	12	10	10
170	5	3	3	2	1	3	2	3	1	2	6	5	5
175	0	0	0	0	0	0	0	1	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0

**Photometrics Pro - Evaluation Version****Luminaire Report Summary**

IESNA:LM-63-1995  
[TEST] L3574  
[DATE] 2018-2-4  
[MANUFAC]  
[LUMCAT]  
[LUMINAIRE] LED CORN LIGHT  
[LAMPCAT] LED  
[LAMP]  
FILE: CANDELA MULTIPLIER: 1  
FILE: VERTICAL ANGLES: 37, HORIZONTAL ANGLES: 13  
FILE: COORDINATE SYSTEM: TYPE C  
FILE: UNIT OF MEASURE: METRIC  
FILE: BALLAST FACTOR: 1

Photometrics Pro 1.3.29 - (Evaluation Version) copyright 2003-2018 by jSolutions, Inc.  
Reported data calculated from manufacturer's data file, based on IES recommended methods.