

POST TOP FIXTURE TC41T



TerraCast®'s commercial product line provides safety and security for all types of applications including parks, pedestrian walkways, and parking areas. Our Post top fixtures fit on any standard 3" diameter commercial pole (sold separately) with 3 set screws and allen wrench (provided).



EPA 0.86ft²
WT 25lbs

IES FILES AVAILABLE



SPECIFICATIONS

- Cast Aluminum Housing
- Stainless Steel Set Screws
- Black, White, or Bronze Finish
- Clear Glass Lens
- ETL Listed for Wet Locations

LIGHT SOURCE OPTIONS

DEDICATED LED SYSTEM - L

- 120-277V, 50/60Hz
- 150W or 250W Metal Halide Equivalent
- Estimated 50,000 Hrs L₇₀
- Surge Supression
- 4000K CCT 80CRI
- Type 5 or Type 3 Distribution
- 5 Year Warranty

GUIDE: TC40TC-L40C-BK

CALL FOR PHOTOMETRIC INFORMATION

ITEM #	LENS	LIGHT SOURCE		COLOR	OPTIONS
TC41T	GLASS C-Clear	LED LIGHT SOURCE		BK-Black BZ-Bronze WH-White	T3-Type III Distribution
		DEDICATED LED SYSTEM L40-40W, 4000lm L80-85W, 6100lm	CCT C-4K		

* Special order item. Longer lead times may apply. Option not available in Replaceable Corn Cob model. ★ Lamp Included

Specifications subject to change without notice - FIXTURE SPEC 1/19



TerraCast® Products LLC
Catalog Number
TC41TC-L35C-BKT3

TerraCast
PRODUCTS

Electrical Test Conditions

Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.3 °C	120.1 VAC	0.3538 A	42.24 W	0.994	60 Hz	5.74 %

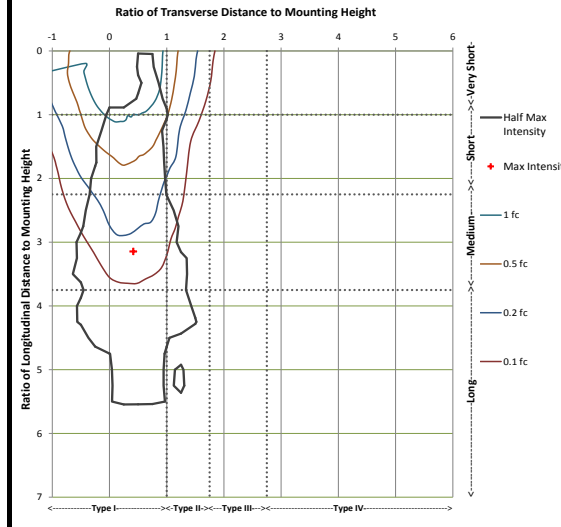
Summary of Results

Total Lumen Output	3621 Lumens
Luminaire Efficacy	85.7 lm/W
Maximum Candela	2349 Candela
IES Roadway Classification	Type II, Medium
Cutoff Classification	Semicutoff
BUG Rating	B1 U0 G1

Luminaire Classification System (LCS)

LCS	Zone	Lumens	%
FL	(0-30)	320	9%
FM	(30-60)	1287	36%
FH	(60-80)	689	19%
FVH	(80-90)	13	0%
BL	(0-30)	226	6%
BM	(30-60)	670	19%
BH	(60-80)	405	11%
BVH	(80-90)	10	0%
UL	(90-100)	0	0%
UH	(100-180)	0	0%

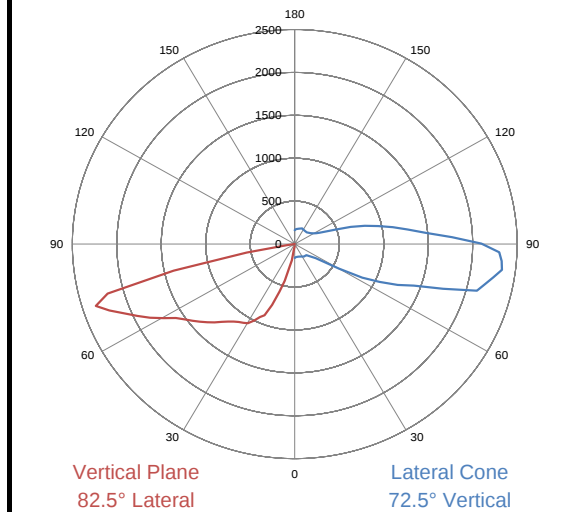
ISO FootCandle Plot at 20 Feet



Intensity Through Maximum Plane (Candlepower)

Angle	Candlepower	Lumens
0	28	
5	38	8
10	193	
15	443	142
20	754	
25	935	395
30	1062	
35	1104	564
40	1174	
45	1284	686
50	1397	
55	1518	707
60	1709	
65	1955	644
70	2223	
75	2180	451
80	548	
85	8	23
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 #11859120.06



TerraCast® Products LLC
Catalog Number
TC41TC-L35C-BK

TerraCast
PRODUCTS

Electrical Test Conditions

Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.1 VAC	0.3439 A	41.07 W	0.994	60 Hz	6.24 %

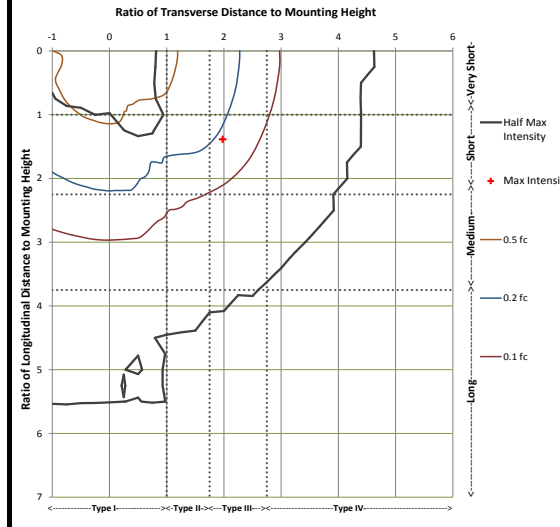
Summary of Results

Total Lumen Output	3567 Lumens
Luminaire Efficacy	86.9 lm/W
Maximum Candela	1286 Candela
IES Roadway Classification	Type IV, Short
Cutoff Classification	Semicutoff
BUG Rating	B2 U0 G2

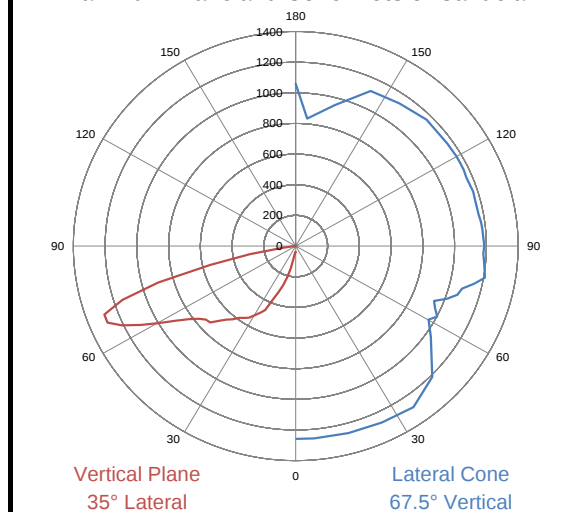
Luminaire Classification System (LCS)

LCS	Zone	Lumens	%
FL	(0-30)	145	4%
FM	(30-60)	776	22%
FH	(60-80)	852	24%
FVH	(80-90)	19	1%
BL	(0-30)	144	4%
BM	(30-60)	716	20%
BH	(60-80)	885	25%
BVH	(80-90)	29	1%
UL	(90-100)	0	0%
UH	(100-180)	0	0%

ISO FootCandle Plot at 20 Feet



Maximum Plane and Cone Plots of Candela



Intensity Through Maximum Plane (Candlepower)

Angle	Candlepower	Lumens
0	40	
5	39	8
10	85	
15	210	74
20	319	
25	460	207
30	519	
35	570	336
40	622	
45	687	478
50	741	
55	824	679
60	994	
65	1210	1048
70	1285	
75	899	690
80	292	
85	25	47
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	

Testing was performed in accordance with LM-79-08
The results contained in this summary pertain only to report #11859120.05



UL Verification Services Inc.
7036 Snowdrift Road
Allentown, PA 18106
610-774-1300



Outdoor Distribution Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-2002

Catalog Number
TC41TC-L35C-BKT3
Order Number
11859120
Test Number
11859120.06

Test Date

2017-07-18

Prepared By

Josh Mitchell, Technician

Approved By

Alexa Lambert, Project Handler

The results contained in this report pertain only to the tested sample.
This report shall not be reproduced, except in full, without written approval of Underwriters Laboratories.
This report must not be used by the client to claim product certification, approval, or endorsement by
NVLAP, NIST, or any agency of the Federal Government.



Luminaire Description: Black formed aluminum housing, clear optics, clear glass lens enclosure
Lamp: 16 white LEDs
Mounting: Post
Ballast/Driver: One Meanwell LPF-40-54 driver

Luminaire



Luminaire Characteristics

Luminous Diameter: 25.25 in.

Summary of Results

Roadway Classification: Type II, Medium
Cutoff Classification: Semicutoff
BUG Rating: B1 U0 G1

Test Conditions

Test Temperature: 25.3 °C
Voltage: 120.1 VAC
Current: 0.3538 A
Power: 42.24 W
Power Factor: 0.994
Frequency: 60 Hz
Current THD: 5.74 %

Tested in 30 planes left side, 30 planes right side, left and right averaged
Vertical test increments are 2.5 degrees
Test distance exceeds five times the greatest luminous opening of luminaire

Laboratory results may not be representative of field performance
Ballast factors have not been applied



Distribution - Goniophotometer

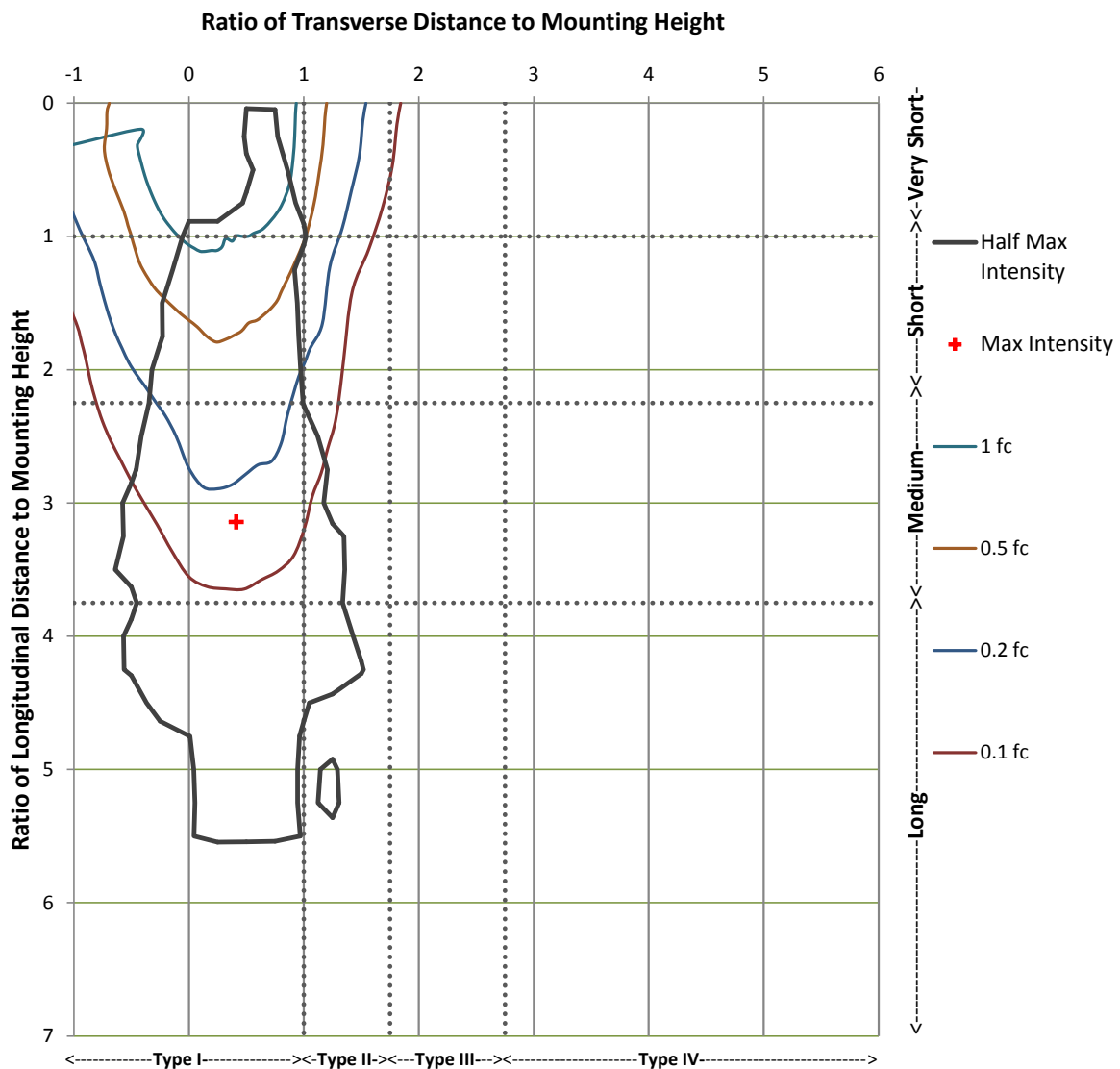
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.3 °C	120.1 VAC	0.3538 A	42.24 W	0.994	60 Hz	5.74 %

Summary of Results

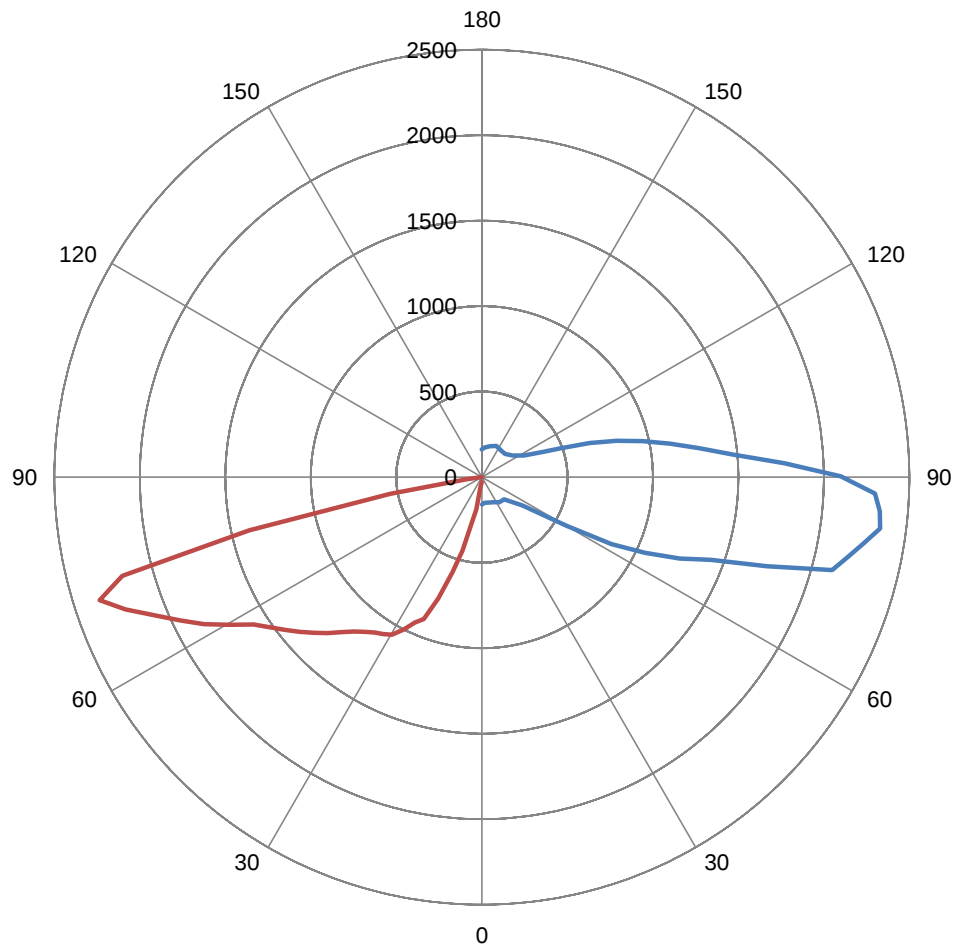
IES Roadway Classification:	Type II, Medium	Total Lumen Output:	3621 Lumens
Cutoff Classification	Semicutoff	Luminaire Efficacy:	85.7 lm/w
BUG Rating:	B1 U0 G1	Maximum Candela:	2349 Candela

ISO FootCandle Plot at 20 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

82.5 ° Lateral

Lateral Cone Through

72.5 ° Vertical

Maximum Intensity (Candlepower):

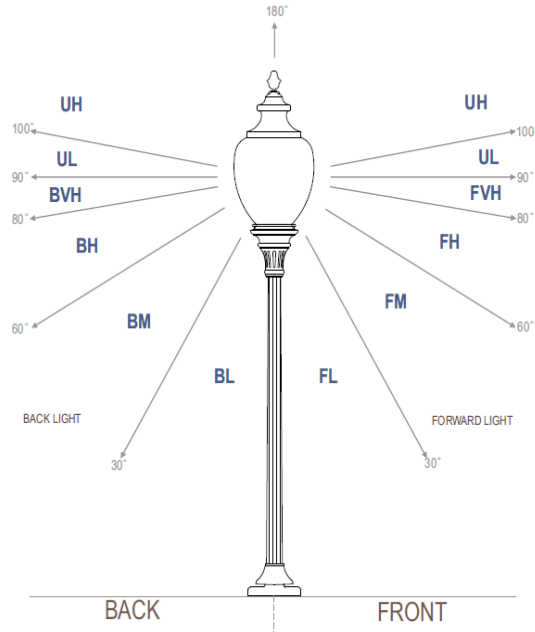
2349 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.8	0.0%	60-65	327.9	9.1%	120-125	0.0	0.0%
5-10	7.6	0.2%	65-70	315.8	8.7%	125-130	0.0	0.0%
10-15	40.4	1.1%	70-75	291.5	8.1%	130-135	0.0	0.0%
15-20	101.7	2.8%	75-80	159.4	4.4%	135-140	0.0	0.0%
20-25	172.2	4.8%	80-85	22.9	0.6%	140-145	0.0	0.0%
25-30	223.3	6.2%	85-90	0.4	0.0%	145-150	0.0	0.0%
30-35	264.1	7.3%	90-95	0.0	0.0%	150-155	0.0	0.0%
35-40	299.7	8.3%	95-100	0.0	0.0%	155-160	0.0	0.0%
40-45	331.6	9.2%	100-105	0.0	0.0%	160-165	0.0	0.0%
45-50	354.7	9.8%	105-110	0.0	0.0%	165-170	0.0	0.0%
50-55	360.5	10.0%	110-115	0.0	0.0%	170-175	0.0	0.0%
55-60	346.8	9.6%	115-120	0.0	0.0%	175-180	0.0	0.0%



IES "BUG" Rating
(Back Light, Uplight, Glare)
Per IES TM-15-11



Luminaire Classification System (LCS)

LCS	Zone	Lumens	Luminaire %
FL	(0-30)	319.8	8.8%
FM	(30-60)	1287.2	35.5%
FH	(60-80)	689.2	19.0%
FVH	(80-90)	13.3	0.4%
BL	(0-30)	226.1	6.2%
BM	(30-60)	670.1	18.5%
BH	(60-80)	405.4	11.2%
BVH	(80-90)	10.0	0.3%
UL	(90-100)	0.0	0.0%
UH	(100-180)	0.0	0.0%
Total		3621.4	100.0%
BUG Rating	B1 U0 G1		



UL Verification Services Inc.
7036 Snowdrift Road
Allentown, PA 18106
610-774-1300



Outdoor Distribution Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-2002

Catalog Number
TC41TC-L35C-BK
Order Number
11859120
Test Number
11859120.05

Test Date

2017-07-14

Prepared By

Josh Mitchell, Technician

Approved By

Alexa Lambert, Project Handler

The results contained in this report pertain only to the tested sample.
This report shall not be reproduced, except in full, without written approval of Underwriters Laboratories.
This report must not be used by the client to claim product certification, approval, or endorsement by
NVLAP, NIST, or any agency of the Federal Government.



Luminaire Description: Black formed aluminum housing, clear optics, clear glass lens enclosure
Lamp: 16 white LEDs
Mounting: Post
Ballast/Driver: One Meanwell LPF-40-54 driver

Luminaire



Luminaire Characteristics

Luminous Diameter: 25.25 in.

Summary of Results

Roadway Classification:	Type IV, Short
Cutoff Classification:	Semicutoff
BUG Rating:	B2 U0 G2

Test Conditions

Test Temperature:	24.8 °C
Voltage:	120.1 VAC
Current:	0.3439 A
Power:	41.07 W
Power Factor:	0.994
Frequency:	60 Hz
Current THD:	6.24 %

Tested in 30 planes left side, 30 planes right side, left and right averaged
Vertical test increments are 2.5 degrees
Test distance exceeds five times the greatest luminous opening of luminaire

Laboratory results may not be representative of field performance
Ballast factors have not been applied



Distribution - Goniophotometer

Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.1 VAC	0.3439 A	41.07 W	0.994	60 Hz	6.24 %

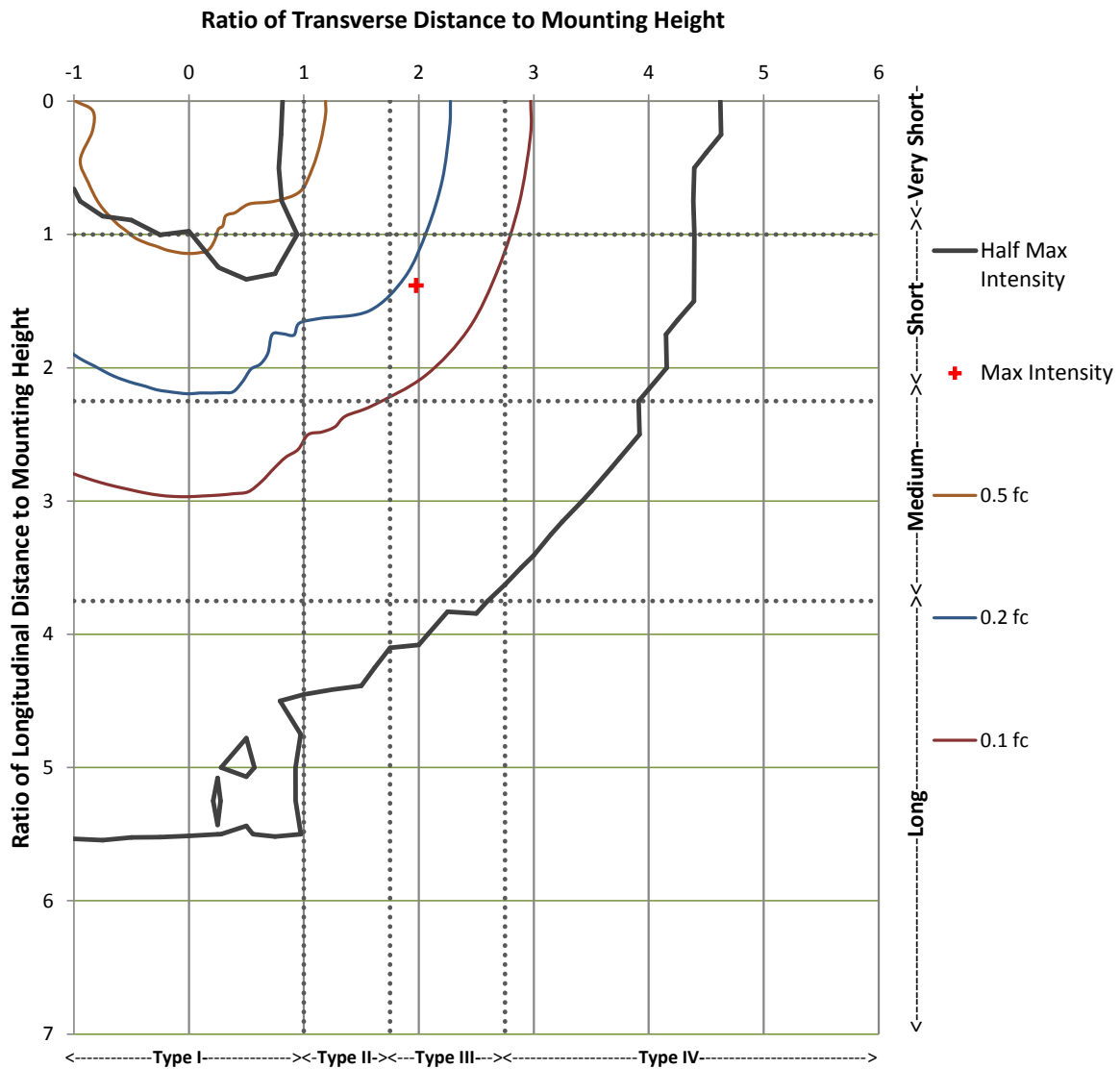
Summary of Results

IES Roadway Classification:
Cutoff Classification
BUG Rating:

Type IV, Short
Semicutoff
B2 U0 G2

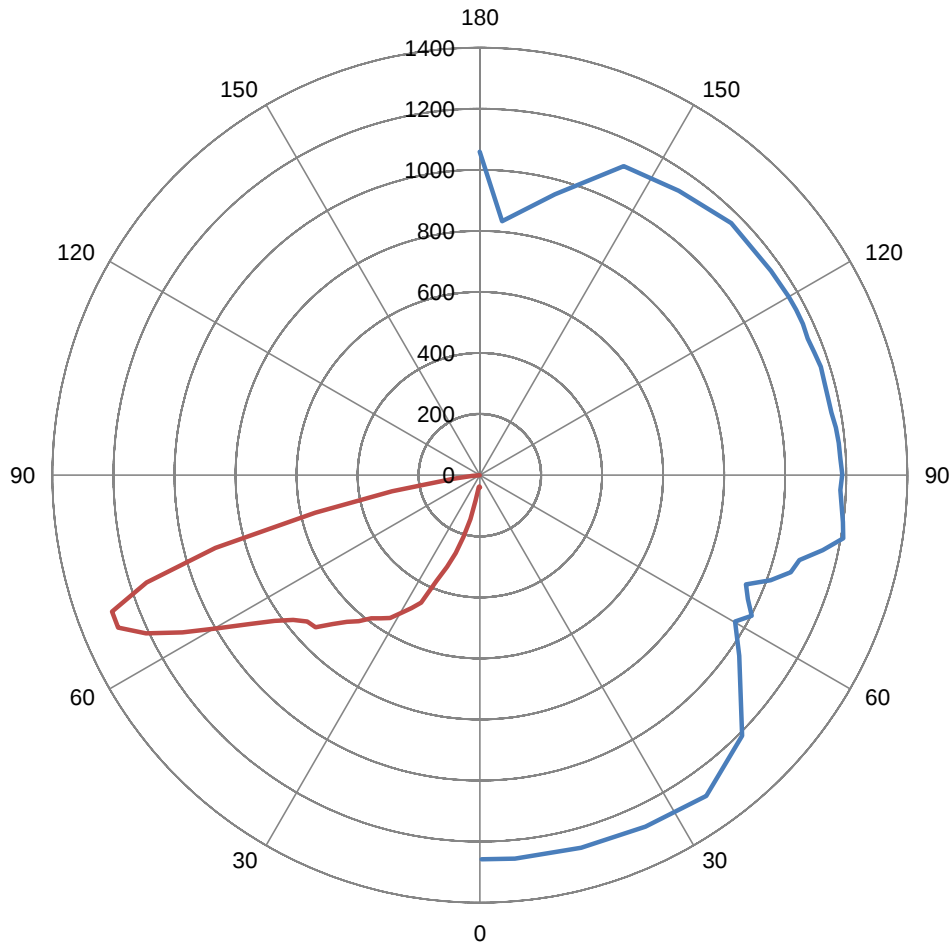
Total Lumen Output: 3567 Lumens
Luminaire Efficacy: 86.9 lm/w
Maximum Candela: 1286 Candela

ISO FootCandle Plot at 20 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

35 ° Lateral

Lateral Cone Through

67.5 ° Vertical

Maximum Intensity (Candlepower):

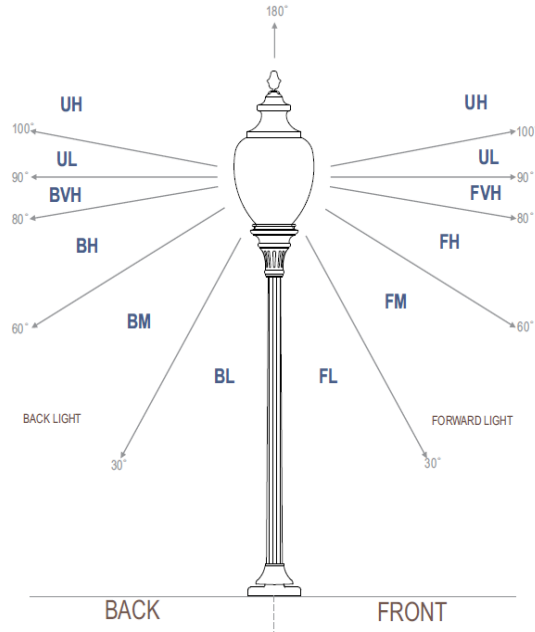
1286 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	1.3	0.0%	60-65	484.7	13.6%	120-125	0.0	0.0%
5-10	6.8	0.2%	65-70	563.1	15.8%	125-130	0.0	0.0%
10-15	22.8	0.6%	70-75	472.6	13.2%	130-135	0.0	0.0%
15-20	51.1	1.4%	75-80	217.4	6.1%	135-140	0.0	0.0%
20-25	86.3	2.4%	80-85	44.2	1.2%	140-145	0.0	0.0%
25-30	121.0	3.4%	85-90	3.0	0.1%	145-150	0.0	0.0%
30-35	152.8	4.3%	90-95	0.0	0.0%	150-155	0.0	0.0%
35-40	183.0	5.1%	95-100	0.0	0.0%	155-160	0.0	0.0%
40-45	219.4	6.2%	100-105	0.0	0.0%	160-165	0.0	0.0%
45-50	258.2	7.2%	105-110	0.0	0.0%	165-170	0.0	0.0%
50-55	302.1	8.5%	110-115	0.0	0.0%	170-175	0.0	0.0%
55-60	377.2	10.6%	115-120	0.0	0.0%	175-180	0.0	0.0%



IES "BUG" Rating
(Back Light, Uplight, Glare)
Per IES TM-15-11



Luminaire Classification System (LCS)

LCS	Zone	Lumens	Luminaire %
FL	(0-30)	145.2	4.1%
FM	(30-60)	776.5	21.8%
FH	(60-80)	852.3	23.9%
FVH	(80-90)	18.6	0.5%
BL	(0-30)	144.1	4.0%
BM	(30-60)	716.3	20.1%
BH	(60-80)	885.5	24.8%
BVH	(80-90)	28.6	0.8%
UL	(90-100)	0.0	0.0%
UH	(100-180)	0.0	0.0%
Total		3567.0	100.0%
BUG Rating	B2 U0 G2		



TerraCast® Products LLC

Catalog Number

TC41TC-L80C-BKT3

Electrical Test Conditions

Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.0 °C	120.1 VAC	0.7071 A	84.62 W	0.997	60 Hz	5.59 %

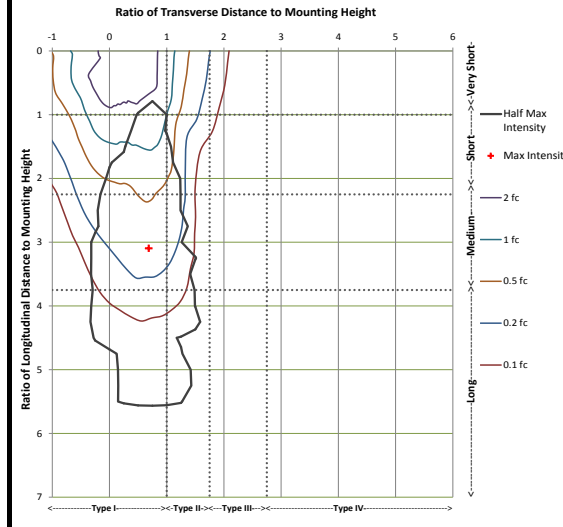
Summary of Results

Total Lumen Output	6129 Lumens
Luminaire Efficacy	72.4 lm/W
Maximum Candela	4477 Candela
IES Roadway Classification	Type II, Medium
Cutoff Classification	Semicutoff
BUG Rating	B2 U0 G2

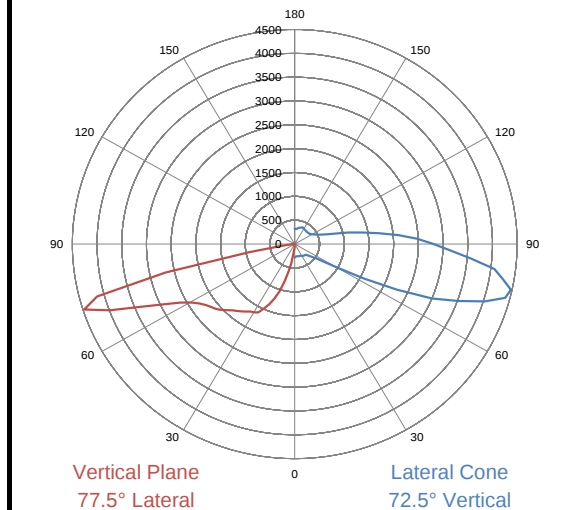
Luminaire Classification System (LCS)

LCS	Zone	Lumens	%
FL	(0-30)	511	8%
FM	(30-60)	2155	35%
FH	(60-80)	1265	21%
FVH	(80-90)	29	0%
BL	(0-30)	386	6%
BM	(30-60)	1129	18%
BH	(60-80)	635	10%
BVH	(80-90)	19	0%
UL	(90-100)	0	0%
UH	(100-180)	0	0%

ISO FootCandle Plot at 20 Feet



Maximum Plane and Cone Plots of Candela



Intensity Through Maximum Plane (Candlepower)

Angle	Candlepower	Lumens
0	47	
5	95	22
10	411	
15	825	239
20	1212	
25	1487	636
30	1648	
35	1723	923
40	1824	
45	1952	1143
50	2100	
55	2209	1217
60	2427	
65	2956	1120
70	3995	
75	4147	781
80	920	
85	37	48
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	

Testing was performed in accordance with LM-79-08

The results contained in this summary pertain only to report #11859120.08



TerraCast® Products LLC
Catalog Number
TC41TC-L80C-BK

Electrical Test Conditions

Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.0 VAC	0.7149 A	85.48 W	0.996	60 Hz	6.03 %

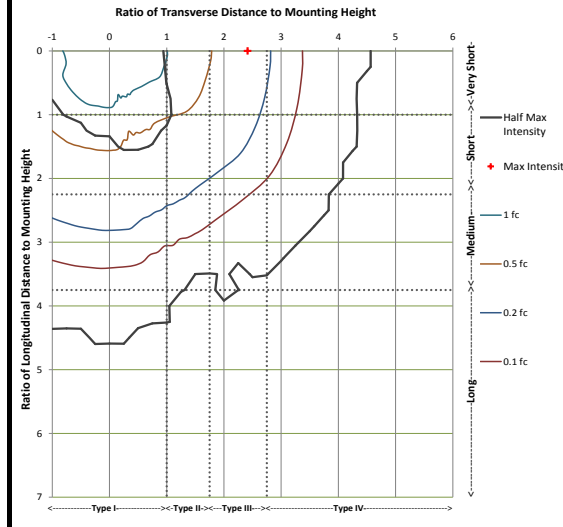
Summary of Results

Total Lumen Output	6134 Lumens
Luminaire Efficacy	71.8 lm/W
Maximum Candela	2218 Candela
IES Roadway Classification	Type IV, Very Short
Cutoff Classification	Full Cutoff
BUG Rating	B3 U0 G3

Luminaire Classification System (LCS)

LCS	Zone	Lumens	%
FL	(0-30)	243	4%
FM	(30-60)	1252	20%
FH	(60-80)	1486	24%
FVH	(80-90)	21	0%
BL	(0-30)	250	4%
BM	(30-60)	1295	21%
BH	(60-80)	1563	25%
BVH	(80-90)	25	0%
UL	(90-100)	0	0%
UH	(100-180)	0	0%

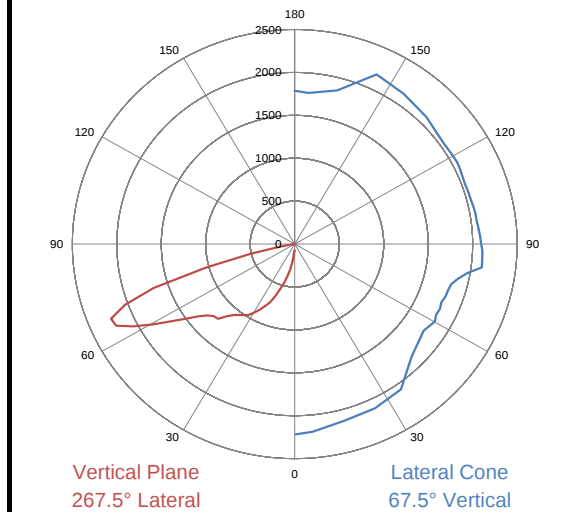
ISO FootCandle Plot at 20 Feet



Intensity Through Maximum Plane (Candlepower)

Angle	Candlepower	Lumens
0	76	
5	112	16
10	299	
15	462	129
20	644	
25	794	348
30	918	
35	1007	568
40	1074	
45	1226	812
50	1285	
55	1502	1166
60	1854	
65	2220	1861
70	2036	
75	1032	1188
80	168	
85	13	46
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 #11859120.07