

Photometrics Pro

Luminaire Photometric Report

Filename: IliA000871-001(GTSOL5498-G2-HO-BR-T2) GLASS E21

Manufacturer: Global Tech LED, 8901 Quality Road, Bonita Springs, FL 34135, USA

Luminaire: Catalog Number: GTSOL5498-G2-HO-BR-T2 Pole/arm mounted, cast aluminum QSSI FL70F housing, formed white enamel aluminum reflector, no enclosure. One Global Tech GTSOL5498 LED module with 42 white LEDs, 6 groups of 7 LEDs, cooling fan above and clear glass optics over each group of LEDs. One Mean Well HVG-150-24B LED driver 277.0Vac, 60.00Hz, 0.4249A, 115.8W, 0.984PF, 6.7%THD(I)

Luminaire Cat: GTSOL5498-G2-HO-BR-T2

Lamp Output: Total luminaire Lumens: 12567

Max Candela: 12,040.4 at Horizontal: 70°, Vertical: 56.5°

Input Wattage: 115.8

Luminous Opening: Circular (Dia: 7.99")

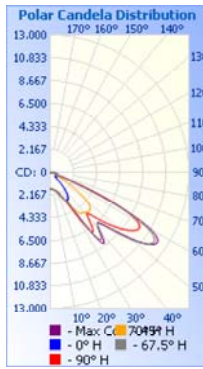
Test: LLI A000871-001

Test Date: This file created: Tuesday, September 26, 2017 10:25:20 AM

Test Lab: LightLab International Allentown, LLC

Photometry : Type C

Nema Type: 6 X 5



Roadway Summary

Cutoff Classification:	FULL CUTOFF
Distribution:	TYPE I, SHORT
Max Cd, 90 Deg Vert:	0
Max Cd, 80 to <90 Deg:	581.2
	Lumens % Lamp
Downward Street Side:	7,841.4 62.4%
Downward House Side:	4,724.5 37.6%
Downward Total:	12,565.9 100%
Upward Street Side:	0 0%
Upward House Side:	0 0%
Upward Total:	0 0%
Total Lumens:	12,565.9 100%

Flood Summary

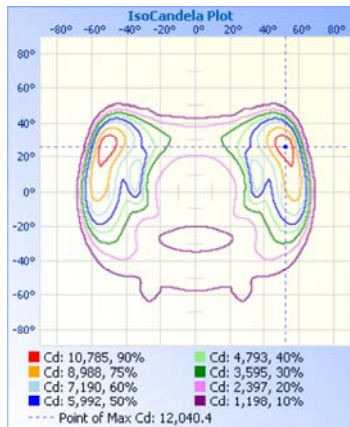
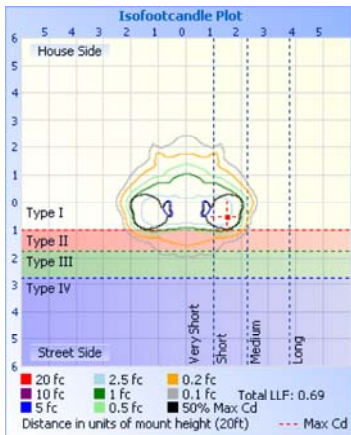
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	87.9%	11,046.5	129.6	92.9
Beam (50%):	38.3%	4,812.4	30.1	58.5
Total:	99.9%	12,560.4		

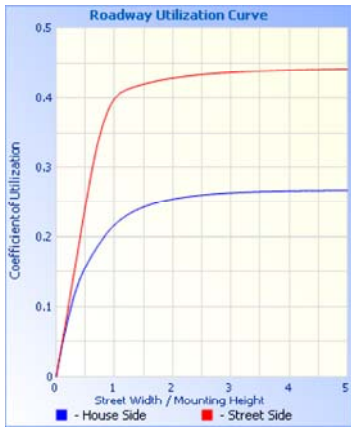
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,717.3	13.7%
0-40	3,925.8	31.2%
0-60	10,252.5	81.6%
60-90	2,314.5	18.4%
70-100	597.5	4.8%
90-120	0	0%
0-90	12,567.0	100%
90-180	0	0%
0-180	12,567.0	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	157.1	1.3%	90-100	0	0%
10-20	499.6	4.0%	100-110	0	0%
20-30	1,060.6	8.4%	110-120	0	0%
30-40	2,208.4	17.6%	120-130	0	0%
40-50	2,831.2	22.5%	130-140	0	0%
50-60	3,495.5	27.8%	140-150	0	0%
60-70	1,717.0	13.7%	150-160	0	0%
70-80	465.6	3.7%	160-170	0	0%
80-90	131.8	1.0%	170-180	0	0%





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	10	50	30	20	10	50	30	20	10	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.02	1.00
1	1.09	1.04	1.00	.96	1.06	1.02	.98	.84	.97	.94	.91	.88	.93	.91	.88	.86	.90	.88	.86	.84	.84
2	.98	.89	.82	.76	.95	.87	.81	.69	.84	.78	.74	.72	.81	.76	.72	.70	.77	.74	.70	.68	.68
3	.88	.77	.68	.61	.86	.75	.67	.57	.72	.65	.60	.59	.69	.64	.59	.58	.67	.62	.58	.55	.55
4	.80	.67	.57	.50	.77	.65	.56	.47	.63	.55	.49	.48	.60	.54	.48	.47	.58	.52	.47	.45	.45
5	.72	.58	.48	.41	.70	.57	.48	.39	.55	.47	.41	.41	.53	.46	.40	.40	.51	.45	.40	.37	.37
6	.66	.51	.41	.34	.64	.50	.41	.33	.48	.40	.34	.34	.47	.39	.34	.34	.45	.38	.33	.31	.31
7	.60	.45	.36	.29	.58	.45	.35	.28	.43	.35	.29	.29	.41	.34	.29	.29	.40	.33	.28	.26	.26
8	.55	.41	.31	.25	.54	.40	.31	.24	.38	.30	.25	.25	.37	.30	.25	.25	.36	.29	.24	.22	.22
9	.51	.37	.28	.22	.50	.36	.27	.21	.35	.27	.21	.21	.34	.26	.21	.21	.33	.26	.21	.19	.19
10	.47	.33	.25	.19	.46	.33	.24	.18	.32	.24	.19	.19	.31	.24	.19	.19	.30	.23	.19	.17	.17

Candela Table - Type C

Table with 18 columns (0-180) and 39 rows (0-39.5). Each cell contains a numerical value representing photometric data. The values generally increase from left to right and decrease from top to bottom.

Table with 30 columns and 925 rows of numerical data. Each row is labeled with a number from 40 to 81 on the left side.

Luminaire Report Summary

IESNA:LM-63-2002
[TEST] LLIA000871-001
[TESTLAB] LightLab International Allentown, LLC
[MANUFAC] Global Tech LED, 8901 Quality Road, Bonita Springs, FL 34135, USA
[LUMCAT] GTSOL5498-G2-HO-BR-T2
[LUMINAIRE] Catalog Number: GTSOL5498-G2-HO-BR-T2
[MORE] Pole/arm mounted, cast aluminum QSSI FL70F housing, formed white enamel aluminum
[MORE] reflector, no enclosure. One Global Tech GTSOL5498 LED module with 42 white LEDs,
[MORE] 6 groups of 7 LEDs, cooling fan above and clear glass optics over each group of LEDs.
[MORE] One Mean Well HVG-150-24B LED driver
[MORE] 277.0Vac, 60.00Hz, 0.4249A, 115.8W, 0.984PF, 6.7%THD(i)
[OTHER] Absolute test - lamp lumens value set to -1
[MORE] NA conventions used for C0 plane alignment and C-plane rotation direction.
[MORE] The sample was tested at a distance of 9.5m.
[MORE] This IES file created by LightLab/LSA Report program version 3.808a.
[DATE] This file created: Tuesday, September 26, 2017 10:25:20 AM
[ISSUEDATE] Tuesday, September 26, 2017 10:25:20 AM

FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 361, HORIZONTAL ANGLES: 35
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: METRIC
FILE: BALLAST FACTOR: 1

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