

TYPE C GONIOPHOTOMETER DISTRIBUTION TESTING

REPORT NO. 10453588CRT-001

Test Configuration	Tested Model No.	Pass/Fail/NA
8	8x9 60W Red With Trim	NA

PHOTOMETRIC AND ELECTRICAL MEASUREMENTS (25°C +/- 1°C)

Base Orientation	Input Voltage (Vac)	Input Current (mA)	Input Power (W)	Input Power Factor ()
Up	119.96	438.0	51.56	0.981
	208.09	246.8	50.91	0.991
	239.98	214.8	50.98	0.989
	276.91	187.8	51.15	0.984

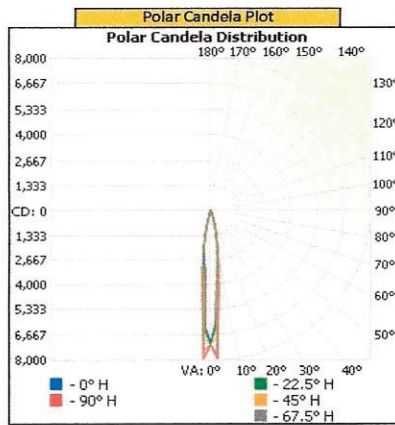
Light Output (lm)	Lumen Efficacy (lm/W)
709.1	13.8

Photometrics taken at 120Vac Input

INTENSITY SUMMARY - CANDELA

Angle	0	22.5	45	67.5	90
0	7177	7177	7177	7177	7177
5	3494	3553	3749	4128	4649
10	1916	1968	1974	1891	1990
15	897	862	739	637	560
20	286	248	226	225	180
25	108	91	82	119	170
30	92	57	44	75	109
35	57	34	28	55	77
40	41	30	28	44	58
45	39	29	27	39	47
50	34	27	26	33	36
55	28	24	24	27	28
60	22	20	21	22	22
65	17	17	18	18	18
70	13	13	13	14	14
75	9	9	9	9	9
80	4	4	4	4	4
85	0	0	0	0	0
90	0	0	0	0	0
95	0	0	0	0	0
100	0	0	0	0	0
105	0	0	0	0	0
110	0	0	0	0	0
115	0	0	0	0	0
120	0	0	0	0	0
125	0	0	0	0	0
130	0	0	0	0	0
135	0	0	0	0	0
140	0	0	0	0	0
145	0	0	0	0	0
150	0	0	0	0	0
155	0	0	0	0	0
160	0	0	0	0	0
165	0	0	0	0	0
170	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

Entire luminous intensity matrix found in .IES file



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ILLUMINANCE SUMMARY

ZONAL LUMENS

Zonal Lumen Summary

Zone	Lumens	Luminaire
0-30	603.6	85.1%
0-40	632.9	89.3%
0-60	681.8	96.1%
60-90	27.3	3.9%
70-100	10.3	1.4%
90-120	0.0	0.0%
0-90	709.1	100.0%
90-180	0.0	0.0%
0-180	709.1	100.0%

Zone	Lumens	Total	Zone	Lumens	Total
0-10	333.2	47.0%	90-100	0.0	0.0%
10-20	216.2	30.5%	100-110	0.0	0.0%
20-30	54.2	7.6%	110-120	0.0	0.0%
30-40	29.4	4.1%	120-130	0.0	0.0%
40-50	26.1	3.7%	130-140	0.0	0.0%
50-60	22.8	3.2%	140-150	0.0	0.0%
60-70	17.0	2.4%	150-160	0.0	0.0%
70-80	9.2	1.3%	160-170	0.0	0.0%
80-90	1.1	0.2%	170-180	0.0	0.0%

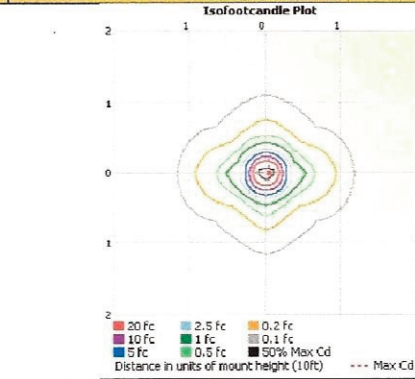
Mounting Height: 10ft

Illuminance - Cone Of Light

Illuminance at a Distance

Center Beam fc	Beam Width
1.7ft	2,483 fc 0.3 ft 0.4 ft
3.3ft	659 fc 0.5 ft 0.7 ft
5.0ft	287 fc 0.8 ft 1.1 ft
6.7ft	160 fc 1.0 ft 1.4 ft
8.3ft	104 fc 1.3 ft 1.8 ft
10.0ft	71.8 fc 1.5 ft 2.1 ft

■ Vert. Spread: 8.6°
■ Horiz. Spread: 12.1°



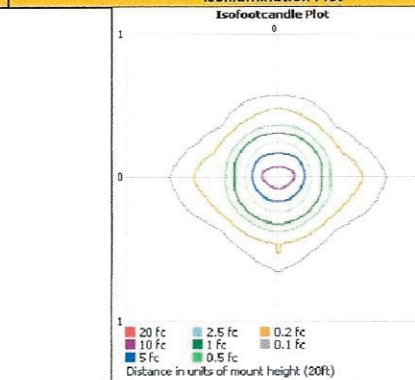
Mounting Height: 20ft

Illuminance - Cone Of Light

Illuminance at a Distance

Center Beam fc	Beam Width
3.3ft	659 fc 0.5 ft 0.7 ft
6.7ft	160 fc 1.0 ft 1.4 ft
10.0ft	71.8 fc 1.5 ft 2.1 ft
13.3ft	40.6 fc 2.0 ft 2.8 ft
16.7ft	25.7 fc 2.5 ft 3.6 ft
20.0ft	17.9 fc 3.0 ft 4.3 ft

■ Vert. Spread: 8.6°
■ Horiz. Spread: 12.1°



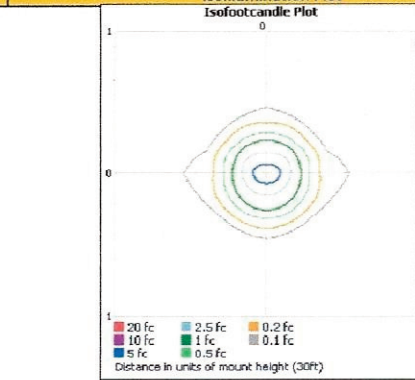
Mounting Height: 30ft

Illuminance - Cone Of Light

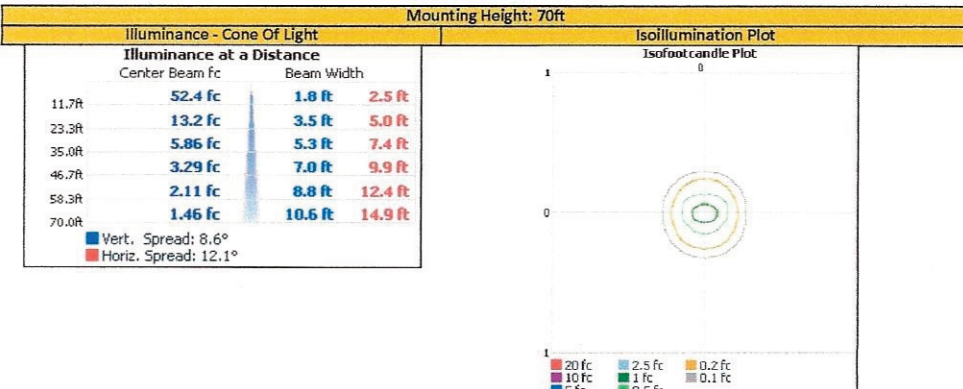
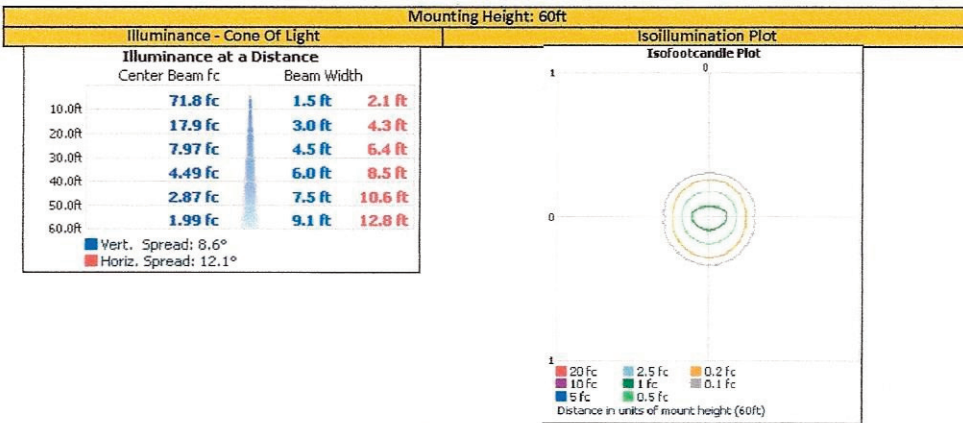
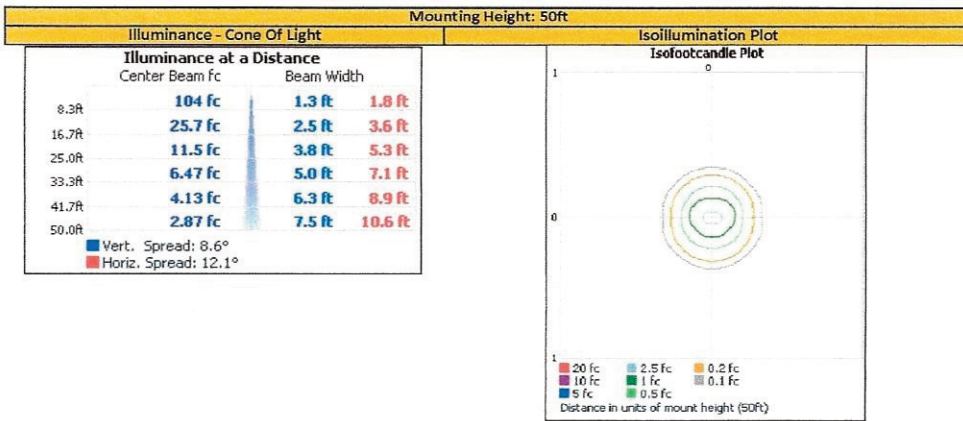
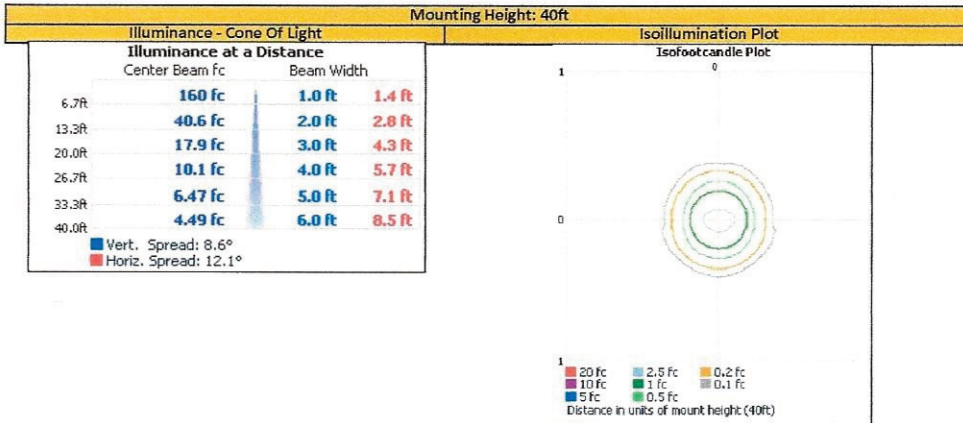
Illuminance at a Distance

Center Beam fc	Beam Width
5.0ft	287 fc 0.8 ft 1.1 ft
10.0ft	71.8 fc 1.5 ft 2.1 ft
15.0ft	31.9 fc 2.3 ft 3.2 ft
20.0ft	17.9 fc 3.0 ft 4.3 ft
25.0ft	11.5 fc 3.8 ft 5.3 ft
30.0ft	7.97 fc 4.5 ft 6.4 ft

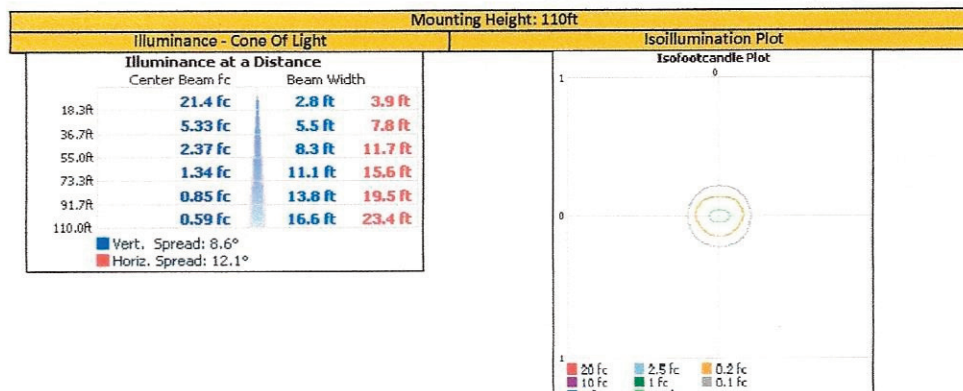
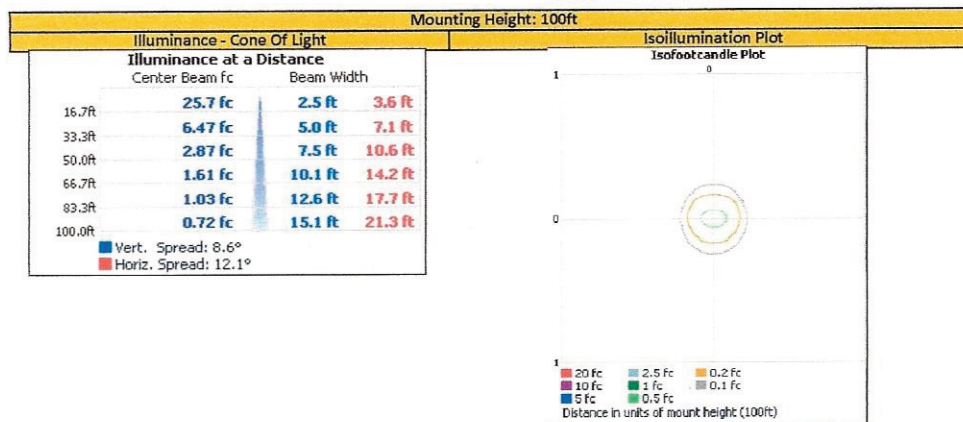
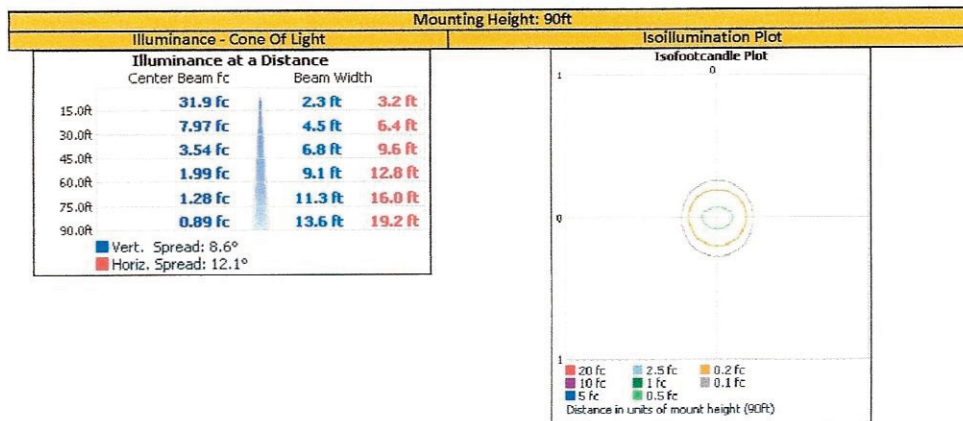
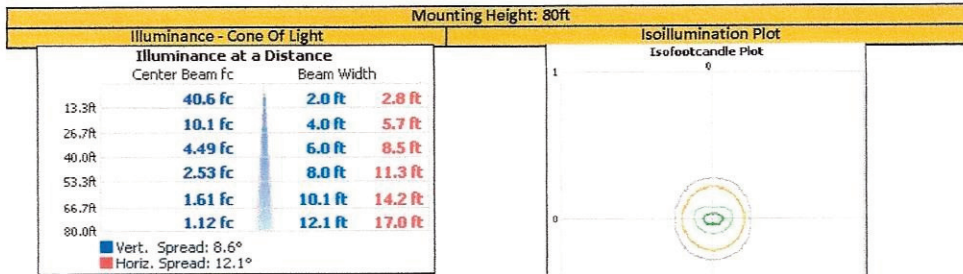
■ Vert. Spread: 8.6°
■ Horiz. Spread: 12.1°



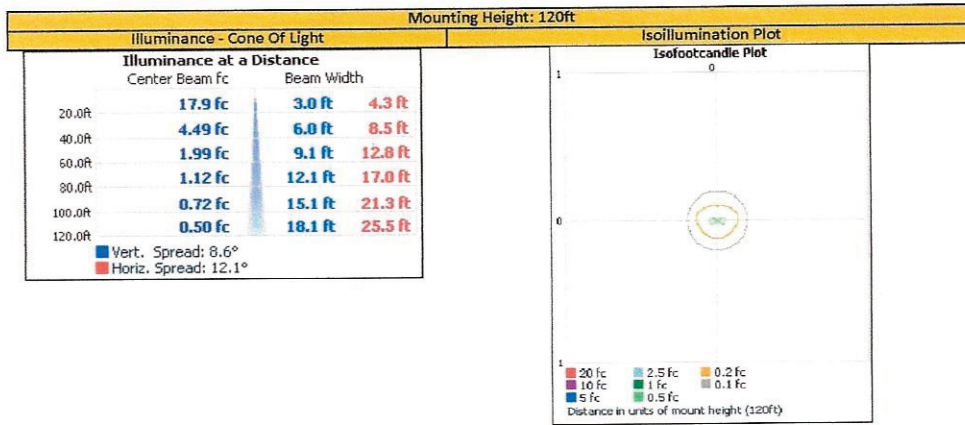
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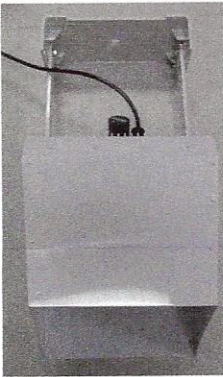
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IMAGE



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Product Description

Company: AMERICAN BUSINESS CORPORATION

Product Information: Trade Name(s): ABC123LEDS.

LED Fixed Luminaires, Model Nos. FZ-15W may be followed by -C; followed by -2000K, -2200K, -2700K, -3000K, -3500K, -4000K, -4500K, -5000K, -5500K, -5700K, -6000K, -6500K, -G, -B, -R, -Y or -A. FZ-30W may be followed by -C; followed by -2000K, -2200K, -2700K, -3000K, -3500K, -4000K, -4500K, -5000K, -5500K, -5700K, -6000K, -6500K, -G, -B, -R, -Y or -A. FZ-60W may be followed by -C; followed by -2000K, -2200K, -2700K, -3000K, -3500K, -4000K, -4500K, -5000K, -5500K, -5700K, -6000K, -6500K, -G, -B, -R, -Y or -A.

Evaluated to the following: A representative sample of the listed devices have been tested, investigated and found to comply with the requirements of the Standard(s) for Luminaires (UL-1598) and are identified with the ETL Listed Mark.

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