

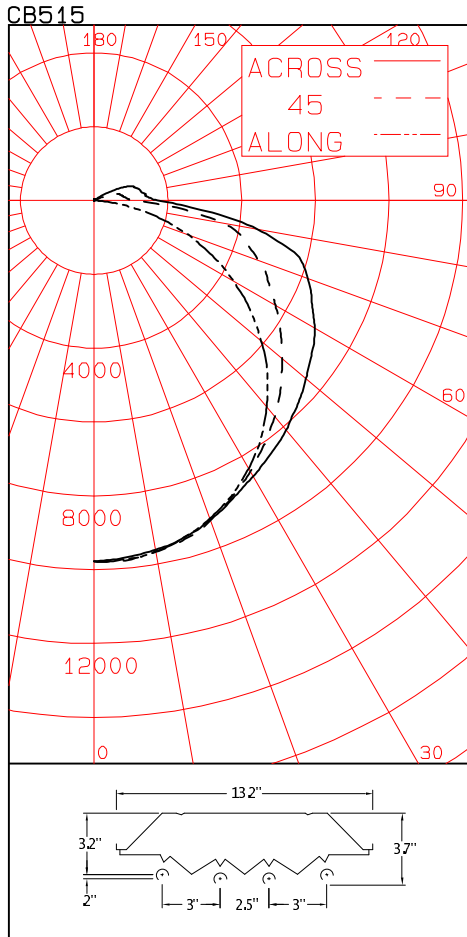


LIGHTING SCIENCES CANADA LTD.

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CERTIFIED TEST REPORT NO. LSC B515
 COMPUTED BY LSC PROGRAM **TEST-LITE**

JAFTECH 8' HIGH BAY FLUORESCENT FIXTURE CAT. NO. F608-854-8UHO-HB
 WITH HIGH REFLECTANCE WHITE REFLECTOR
 EIGHT FP54/841C/HO/ECO 54W T5 HO FLUORESCENT LAMPS. LUMEN RATING = 4900 LMS.
 TWO SYLVANIA 120-277V 1 TO 4-LAMP ELEC. BALLASTS NO. QTP 4x54T5HO/UNV PSN HT W



CANDLEPOWER SUMMARY

OUTPUT LUMENS

ANGLE	ALONG	22.5	45	67.5	ACROSS	9779
0	9779	9779	9779	9779	9779	9779
5	9754	9756	9789	9735	9709	942
15	9446	9446	9500	9488	9444	2669
25	8830	8812	8863	8894	8910	4081
35	7891	7899	8059	8299	8367	5064
45	6661	6692	7163	7639	7819	5536
55	5174	5299	6172	6906	7214	5496
65	3530	3891	5215	6190	6515	5038
75	1840	2623	4232	5405	5702	4154
85	222	1257	2245	2793	2910	2176
90	0	387	1087	1631	1716	
95	0	270	861	1268	1406	869
105	0	0	702	1076	1240	623
115	0	0	76	608	810	280
125	0	0	0	0	45	22
135	0	0	0	0	0	0
145	0	0	0	0	0	0
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	0

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	7692	19.62	20.82
0-40	12756	32.54	34.52
0-60	23787	60.68	64.38
0-90	35156	89.68	95.14
40-90	22399	57.14	60.61
60-90	11368	29.00	30.77
90-180	1794	4.58	4.86
0-180	36950	94.26	100.00

** EFFICIENCY = 94.3% **

LUMINANCE SUMMARY-CD. / SQ. M.

PAINT REFLECTANCE = .90 S/MH = 1.3
 SC = 1.3

ANGLE	ALONG	45	ACROSS
45	12371	12301	13003
55	11846	12641	14136
65	10969	13740	16133
75	9335	16294	20003
85	3349	17142	18466

CERTIFIED BY:

Charles Sisson

DATE:
 JAN 4, 2007

PREPARED FOR:

JAFTECH MANUFACTURING LTD.
 NEWMARKET, ONTARIO

TESTED ACCORDING TO IES PROCEDURES. TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST LUMINOUS OPENING OF LUMINAIRE.

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CANDLEPOWER DATA

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
0	9779	9779	9779	9779	9779	9779	
5	9754	9756	9789	9735	9709	9753	942
10	9647	9669	9668	9630	9609	9649	
15	9446	9446	9500	9488	9444	9470	2669
20	9172	9170	9223	9216	9199	9199	
25	8830	8812	8863	8894	8910	8860	4081
30	8384	8386	8485	8583	8632	8490	
35	7891	7899	8059	8299	8367	8097	5064
40	7290	7350	7628	7990	8118	7668	
45	6661	6692	7163	7639	7819	7184	5536
50	5912	5995	6658	7259	7507	6655	
55	5174	5299	6172	6906	7214	6143	5496
60	4361	4602	5681	6555	6909	5618	
65	3530	3891	5215	6190	6515	5080	5038
70	2708	3240	4747	5795	6166	4555	
75	1840	2623	4232	5405	5702	4008	4154
80	963	2011	3563	4286	4495	3147	
85	222	1257	2245	2793	2910	1965	2176
90	0	387	1087	1631	1716	991	
95	0	270	861	1268	1406	776	869
100	0	138	771	1159	1301	679	
105	0	0	702	1076	1240	599	623
110	0	0	385	990	1117	483	
115	0	0	76	608	810	272	280
120	0	0	0	221	381	103	
125	0	0	0	0	45	6	22
130	0	0	0	0	0	0	
135	0	0	0	0	0	0	0
140	0	0	0	0	0	0	
145	0	0	0	0	0	0	0
150	0	0	0	0	0	0	
155	0	0	0	0	0	0	2
160	0	0	0	0	0	0	
165	0	0	0	0	0	0	5
170	0	0	0	0	0	0	
175	0	0	0	0	0	0	2
180	0	0	0	0	0	0	

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AVERAGE LUMINANCE DATA

ANGLE	ALONG	CD. / SQ. M. (FOOTLAMBERTS)			ACROSS
		22.5	45	67.5	
0	12843 (3748)	12843 (3748)	12843 (3748)	12843 (3748)	12843 (3748)
30	12714 (3711)	12420 (3625)	12293 (3587)	12256 (3577)	12234 (3570)
40	12499 (3648)	12162 (3549)	12213 (3564)	12557 (3664)	12634 (3687)
45	12371 (3610)	11894 (3471)	12301 (3590)	12799 (3735)	13003 (3795)
50	12080 (3525)	11652 (3400)	12345 (3603)	13123 (3830)	13403 (3912)
55	11846 (3457)	11402 (3327)	12641 (3689)	13676 (3991)	14136 (4125)
60	11454 (3343)	11229 (3277)	13007 (3796)	14460 (4220)	15002 (4378)
65	10969 (3201)	11008 (3212)	13740 (4010)	15565 (4542)	16133 (4708)
70	10400 (3035)	11075 (3232)	14799 (4319)	17055 (4978)	17765 (5185)
75	9335 (2724)	11391 (3324)	16294 (4755)	19417 (5667)	20003 (5838)
80	7280 (2124)	12092 (3529)	18207 (5314)	19860 (5796)	20155 (5882)
85	3349 (977)	12429 (3627)	17142 (5003)	18538 (5410)	18466 (5389)

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

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COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC WALL	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	1.111	1.111	1.111	1.11	1.081	1.081	1.081	1.08	1.021	1.021	1.02	.97	.97	.97	.92	.92	.92	.90			
1	1.00	.95	.90	.86	.97	.92	.88	.84	.87	.84	.81	.83	.80	.77	.78	.76	.74	.72			
2	.90	.81	.74	.68	.87	.79	.73	.67	.75	.70	.65	.71	.67	.63	.68	.64	.60	.58			
3	.82	.71	.63	.56	.79	.69	.62	.55	.66	.59	.54	.62	.57	.52	.59	.55	.51	.48			
4	.75	.63	.54	.47	.72	.61	.53	.46	.58	.51	.45	.55	.49	.44	.53	.47	.43	.41			
5	.68	.55	.46	.39	.65	.54	.45	.39	.51	.43	.38	.48	.42	.37	.46	.41	.36	.34			
6	.62	.49	.40	.34	.60	.48	.39	.33	.45	.38	.33	.43	.37	.32	.41	.36	.31	.29			
7	.57	.44	.35	.29	.55	.43	.35	.29	.41	.33	.28	.39	.32	.27	.37	.32	.27	.25			
8	.53	.39	.31	.25	.51	.38	.30	.25	.37	.29	.24	.35	.29	.24	.34	.28	.23	.21			
9	.49	.35	.27	.21	.47	.35	.27	.21	.33	.26	.21	.32	.25	.21	.30	.24	.20	.18			
10	.45	.32	.24	.19	.44	.31	.24	.19	.30	.23	.18	.29	.22	.18	.28	.22	.18	.16			

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 464.0
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST FACTORS HAVE NOT BEEN APPLIED.