



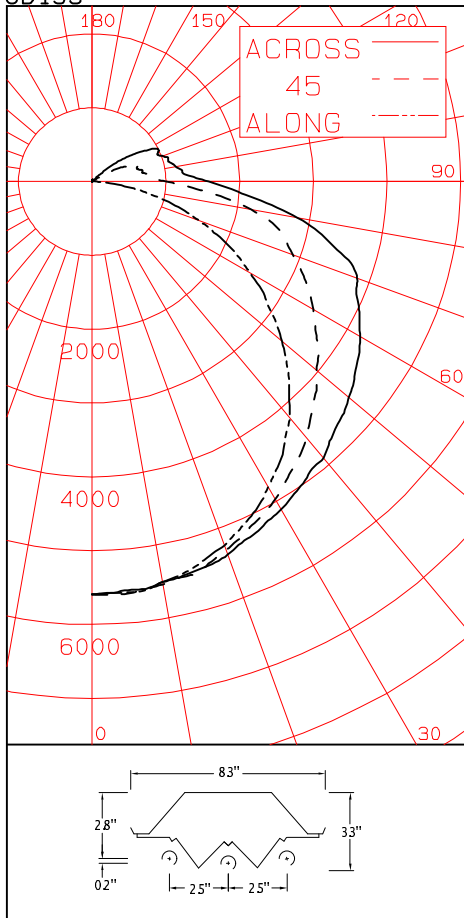
LIGHTING SCIENCES CANADA LTD.

440 Phillip St., Unit 19, Waterloo, Ontario, Canada N2L 5R9
 Tel: (519) 746-3140 Fax: (519) 746-3156 lsc@lightingsciences.ca

CERTIFIED TEST REPORT NO. LSC D195
 COMPUTED BY LSC PROGRAM **TEST-LITE**

JAFTECH 8' T5 Highbay Fluorescent Luminaire Cat. No. F108-654-6UHO-HB
 WITH HIGH REFLECTANCE WHITE REFLECTORS
 SIX 54W T5 HO Fluorescent Lamps. Lumen Rating = 4450 LMS.
 ONE ULTRASAVE 120-277V 1 OR 2-LAMP Electronic Ballast No. ER254120MHT-W
 ONE ULTRASAVE 120-277V 3 OR 4-LAMP Electronic Ballast No. ER454120MHT-W

CD195



CANDLEPOWER SUMMARY

OUTPUT LUMENS

ANGLE	ALONG	22.5	45	67.5	ACROSS	5593
0	5593	5593	5593	5593	5593	5593
5	5585	5559	5603	5571	5555	539
15	5403	5393	5490	5486	5453	1534
25	5037	5040	5137	5241	5252	2368
35	4509	4540	4744	4956	4989	2969
45	3779	3885	4245	4614	4689	3273
55	2911	3116	3719	4246	4374	3294
65	2038	2322	3198	3790	3992	3059
75	1078	1665	2661	3241	3395	2558
85	153	892	1540	1968	2093	1532
90	0	383	998	1418	1577	
95	0	282	787	1160	1246	809
105	0	182	648	1007	1066	624
115	0	0	473	911	999	452
125	0	0	40	485	597	190
135	0	0	0	36	104	23
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	4441	16.63	19.12
0-40	7409	27.75	31.91
0-60	13976	52.35	60.18
0-90	21124	79.12	90.97
40-90	13715	51.37	59.06
60-90	7148	26.77	30.78
90-180	2098	7.86	9.03
0-180	23222	86.97	100.00

** EFFICIENCY = 87.0% **

LUMINANCE SUMMARY-CD. / SQ. M.

PAINT REFLECTANCE = .87 S/MH = 1.4
 SC (ALONG) = 1.3, SC (ACROSS) = 1.4

ANGLE	ALONG	45	ACROSS
45	11619	11615	12256
55	11034	11966	13228
65	10480	12957	14858
75	9058	15151	17098
85	3813	15665	17096

CERTIFIED BY:

Charles Sisson

DATE:
 APR 4, 2008

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	5593	5593	5593	5593	5593	5593	
5	5585	5559	5603	5571	5555	5576	539
10	5506	5535	5539	5530	5510	5528	
15	5403	5393	5490	5486	5453	5449	1534
20	5245	5244	5313	5368	5377	5309	
25	5037	5040	5137	5241	5252	5141	2368
30	4782	4811	4972	5098	5129	4959	
35	4509	4540	4744	4956	4989	4748	2969
40	4177	4205	4525	4778	4882	4509	
45	3779	3885	4245	4614	4689	4245	3273
50	3364	3490	3975	4416	4551	3960	
55	2911	3116	3719	4246	4374	3681	3294
60	2467	2708	3464	4035	4196	3385	
65	2038	2322	3198	3790	3992	3081	3059
70	1534	1996	2901	3588	3828	2791	
75	1078	1665	2661	3241	3395	2451	2558
80	624	1305	2193	2652	2834	1970	
85	153	892	1540	1968	2093	1381	1532
90	0	383	998	1418	1577	897	
95	0	282	787	1160	1246	713	809
100	0	260	693	1084	1150	653	
105	0	182	648	1007	1066	593	624
110	0	28	666	892	1013	523	
115	0	0	473	911	999	471	452
120	0	0	238	716	848	344	
125	0	0	40	485	597	206	190
130	0	0	2	195	348	93	
135	0	0	0	36	104	22	23
140	0	0	0	2	0	0	
145	0	0	0	0	0	0	0
150	0	0	0	0	0	0	
155	0	0	0	0	0	0	0
160	0	0	0	0	0	0	
165	0	0	0	0	0	0	0
170	0	0	0	0	0	0	
175	0	0	0	0	0	0	0
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	12158 (3548)	12158 (3548)	12158 (3548)	12158 (3548)	12158 (3548)
30	12003 (3503)	11646 (3399)	11654 (3401)	11699 (3414)	11657 (3402)
40	11853 (3459)	11309 (3300)	11607 (3387)	11926 (3480)	12030 (3511)
45	11619 (3391)	11187 (3265)	11615 (3390)	12192 (3558)	12256 (3577)
50	11377 (3320)	10946 (3195)	11668 (3405)	12490 (3645)	12665 (3696)
55	11034 (3220)	10768 (3142)	11966 (3492)	13035 (3804)	13228 (3861)
60	10725 (3130)	10552 (3079)	12346 (3603)	13643 (3982)	13896 (4055)
65	10480 (3059)	10413 (3039)	12957 (3781)	14404 (4204)	14858 (4336)
70	9748 (2845)	10698 (3122)	13690 (3995)	15668 (4573)	16259 (4745)
75	9058 (2643)	11159 (3256)	15151 (4422)	16830 (4912)	17098 (4990)
80	7812 (2280)	11780 (3438)	15980 (4664)	17075 (4983)	17522 (5114)
85	3813 (1112)	12472 (3640)	15665 (4572)	16947 (4946)	17096 (4989)

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	1.0	.21	.021	.021	.021	.02	.98	.98	.98	.98	.92	.92	.92	.87	.87	.87	.82	.82	.82	.79	
1	.91	.86	.82	.78	.88	.84	.79	.76	.78	.75	.72	.73	.71	.68	.69	.67	.65	.65	.63	.63	
2	.82	.74	.67	.62	.79	.72	.65	.60	.67	.62	.58	.63	.59	.55	.59	.56	.53	.53	.50	.50	
3	.74	.64	.57	.51	.71	.62	.55	.50	.59	.53	.48	.55	.50	.46	.52	.48	.44	.44	.42	.42	
4	.68	.57	.49	.42	.65	.55	.48	.42	.52	.45	.40	.49	.43	.39	.46	.41	.37	.37	.35	.35	
5	.62	.50	.41	.35	.59	.48	.40	.35	.45	.39	.34	.43	.37	.32	.40	.35	.31	.31	.29	.29	
6	.57	.44	.36	.30	.54	.43	.35	.30	.40	.34	.29	.38	.32	.28	.36	.31	.27	.27	.25	.25	
7	.52	.40	.32	.26	.50	.38	.31	.26	.36	.30	.25	.34	.28	.24	.33	.27	.23	.23	.21	.21	
8	.48	.35	.28	.22	.46	.34	.27	.22	.33	.26	.21	.31	.25	.21	.29	.24	.20	.20	.18	.18	
9	.44	.32	.24	.19	.42	.31	.24	.19	.29	.23	.18	.28	.22	.18	.26	.21	.17	.17	.15	.15	
10	.41	.29	.22	.17	.40	.28	.21	.17	.27	.20	.16	.25	.20	.16	.24	.19	.15	.15	.13	.13	

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 359.0
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST FACTORS HAVE NOT BEEN APPLIED.