

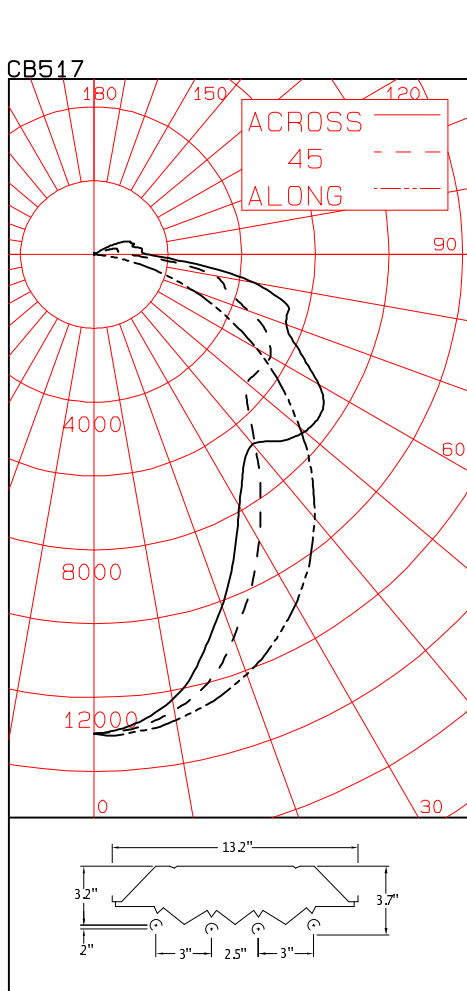


LIGHTING SCIENCES CANADA LTD.

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 B517
 COMPUTED BY LSC PROGRAM **TEST-LITE**

JAFTECH 8' HIGH BAY FLUORESCENT FIXTURE CAT. NO. F608-854-8UHO-HB-M
 WITH HIGH REFLECTANCE MICRO IV 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		
0	12982	12982	12982	12982	12982		
5	12974	12883	12872	12785	12761	1235	
15	12517	12276	11993	11535	11263	3338	
25	11574	11129	10050	9336	8992	4669	
35	10197	9274	7879	7294	7056	5158	
45	8338	7032	5905	6554	7154	5276	
55	6199	4710	5470	7056	7513	5370	
65	3947	2990	5196	5894	6142	4759	
75	1830	2430	3706	5028	5457	3840	
85	180	1100	2032	2474	2602	1957	
90	0	266	862	1305	1465		
95	0	206	741	1149	1304	743	
105	0	0	621	985	1121	554	
115	0	0	58	586	767	263	
125	0	0	0	0	54	21	
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	9241	23.58	24.85
0-40	14400	36.73	38.73
0-60	25045	63.89	67.36
0-90	35601	90.82	95.75
40-90	21201	54.09	57.02
60-90	10555	26.93	28.39
90-180	1581	4.03	4.25
0-180	37182	94.85	100.00

** EFFICIENCY = 94.9% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 1.0

SC(ALONG) = 1.3, SC(ACROSS) = 1.0

ANGLE	ALONG	45	ACROSS
45	15486	10140	11897
55	14193	11203	14722
65	12267	13689	15210
75	9288	14267	19147
85	2712	15522	16509

CERTIFIED BY:

Charles Sisson

DATE:
JAN 5, 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	12982	12982	12982	12982	12982	12982	
5	12974	12883	12872	12785	12761	12852	1235
10	12810	12670	12544	12382	12237	12530	
15	12517	12276	11993	11535	11263	11924	3338
20	12094	11767	11059	10389	10138	11083	
25	11574	11129	10050	9336	8992	10199	4669
30	10945	10287	8960	8139	7869	9198	
35	10197	9274	7879	7294	7056	8268	5158
40	9305	8129	6788	6555	6706	7369	
45	8338	7032	5905	6554	7154	6809	5276
50	7277	5856	5416	6916	7459	6389	
55	6199	4710	5470	7056	7513	6023	5370
60	5098	3717	5523	6757	7045	5517	
65	3947	2990	5196	5894	6142	4781	4759
70	2883	2734	4463	5175	5556	4148	
75	1830	2430	3706	5028	5457	3702	3840
80	916	1763	3324	4170	4413	2980	
85	180	1100	2032	2474	2602	1749	1957
90	0	266	862	1305	1465	791	
95	0	206	741	1149	1304	687	743
100	0	116	648	1001	1143	584	
105	0	0	621	985	1121	541	554
110	0	0	352	897	1040	443	
115	0	0	58	586	767	257	263
120	0	0	0	196	402	99	
125	0	0	0	0	54	7	21
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	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	17050 (4976)	17050 (4976)	17050 (4976)	17050 (4976)	17050 (4976)
30	16599 (4844)	15237 (4447)	12982 (3789)	11622 (3392)	11154 (3255)
40	15953 (4656)	13450 (3925)	10868 (3172)	10301 (3006)	10436 (3046)
45	15486 (4519)	12498 (3647)	10140 (2959)	10981 (3205)	11897 (3472)
50	14868 (4339)	11381 (3321)	10043 (2931)	12502 (3649)	13317 (3887)
55	14193 (4142)	10134 (2957)	11203 (3269)	13973 (4078)	14722 (4296)
60	13392 (3908)	9068 (2646)	12647 (3691)	14906 (4350)	15297 (4464)
65	12267 (3580)	8459 (2469)	13689 (3995)	14821 (4325)	15210 (4439)
70	11069 (3230)	9345 (2727)	13914 (4061)	15232 (4445)	16010 (4672)
75	9288 (2711)	10555 (3080)	14267 (4164)	18063 (5271)	19147 (5588)
80	6928 (2022)	10598 (3093)	16985 (4957)	19319 (5638)	19788 (5775)
85	2712 (791)	10875 (3174)	15522 (4530)	16418 (4791)	16509 (4818)

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	1.12	1.12	1.12	1.12	1.09	1.09	1.09	1.09	1.03	1.03	1.03	.98	.98	.98	.93	.93	.93	.93	.93	.93	.91
1	1.01	.96	.92	.88	.98	.94	.90	.86	.89	.85	.82	.84	.82	.79	.80	.78	.76	.76	.76	.76	.74
2	.92	.83	.77	.71	.89	.81	.75	.69	.77	.72	.67	.73	.69	.65	.70	.66	.63	.63	.63	.63	.61
3	.83	.73	.65	.59	.81	.71	.64	.58	.68	.62	.56	.65	.60	.55	.62	.57	.53	.53	.53	.53	.51
4	.76	.65	.56	.50	.74	.63	.56	.49	.60	.53	.48	.58	.52	.47	.55	.50	.46	.46	.46	.46	.44
5	.70	.57	.48	.42	.67	.56	.48	.42	.53	.46	.41	.51	.45	.40	.49	.44	.39	.39	.39	.39	.37
6	.64	.51	.43	.36	.62	.50	.42	.36	.48	.41	.35	.46	.40	.35	.44	.38	.34	.34	.34	.34	.32
7	.59	.46	.38	.32	.58	.45	.37	.31	.43	.36	.31	.42	.35	.30	.40	.34	.30	.30	.30	.30	.28
8	.55	.42	.33	.28	.53	.41	.33	.27	.39	.32	.27	.38	.31	.27	.36	.30	.26	.26	.26	.26	.24
9	.51	.38	.30	.24	.49	.37	.29	.24	.35	.28	.24	.34	.28	.23	.33	.27	.23	.23	.23	.23	.21
10	.47	.34	.26	.21	.46	.34	.26	.21	.32	.26	.21	.31	.25	.21	.30	.24	.20	.20	.20	.20	.19

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 462.0
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST FACTORS HAVE NOT BEEN APPLIED.