



LIGHTING SCIENCES CANADA LTD.

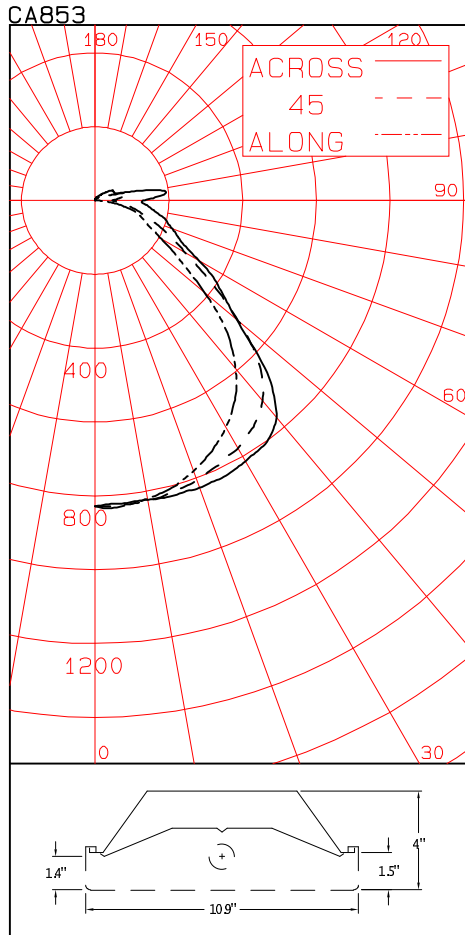
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CERTIFIED TEST REPORT NO. LSC A853
 COMPUTED BY LSC PROGRAM **TEST-LITE**

JAFTECH 4' WRAPAROUND FLUORESCENT FIXTURE CAT. NO. F404-132-11IS-PC
 WITH WHITE PAINTED REFLECTOR AND PRISMATIC WRAP LENS
 ONE 32W T8 FLUORESCENT LAMP. LUMEN RATING = 2950 LMS.
 ONE UNIVERSAL TRIAD 120V 1-LAMP ELECTRONIC BALLAST NO. B132I120RH-A

CANDLEPOWER SUMMARY

OUTPUT LUMENS



ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	829	829	829	829	829	
5	832	824	827	826	825	80
15	806	802	816	828	827	230
25	748	758	791	817	826	363
35	661	689	748	791	805	461
45	507	557	630	671	660	462
55	280	318	382	410	411	329
65	160	181	219	231	255	212
75	107	106	128	164	197	145
85	30	38	71	115	140	85
90	0	9	46	101	130	
95	0	9	63	147	187	82
105	0	22	81	91	90	65
115	0	18	40	52	56	34
125	0	11	25	42	44	23
135	0	3	15	23	25	10
145	0	4	10	12	13	5
155	0	0	3	8	10	2
165	0	0	0	2	5	1
175	0	0	0	0	2	0
180	0	0	0	0	0	

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	673	22.83	26.00
0-40	1134	38.45	43.79
0-60	1925	65.27	74.32
0-90	2367	80.26	91.40
40-90	1233	41.81	47.61
60-90	442	14.99	17.07
90-180	222	7.56	8.60
0-180	2590	87.82	100.00

** EFFICIENCY = 87.8% **

LUMINANCE SUMMARY-CD. / SQ. M.

PAINT REFLECTANCE = .93 S/MH = 1.5
 SC (ALONG) = 1.3, SC (ACROSS) = 1.5

ANGLE	ALONG	45	ACROSS
45	2125	2415	2438
55	1444	1736	1782
65	1121	1276	1384
75	1229	1073	1497
85	1031	1143	1856

CERTIFIED BY:

Charles Sisson

DATE:
AUG 30, 2005

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	829	829	829	829	829	829	
5	832	824	827	826	825	826	80
10	820	818	824	828	823	823	
15	806	802	816	828	827	816	230
20	780	781	807	826	829	804	
25	748	758	791	817	826	788	363
30	710	726	775	807	815	768	
35	661	689	748	791	805	740	461
40	593	634	707	754	766	694	
45	507	557	630	671	660	610	462
50	387	445	508	526	499	480	
55	280	318	382	410	411	364	329
60	208	238	283	307	326	274	
65	160	181	219	231	255	210	212
70	135	143	169	190	222	170	
75	107	106	128	164	197	137	145
80	70	72	97	138	164	106	
85	30	38	71	115	140	77	85
90	0	9	46	101	130	55	
95	0	9	63	147	187	78	82
100	0	13	91	156	166	86	
105	0	22	81	91	90	60	65
110	0	22	43	56	56	37	
115	0	18	40	52	56	35	34
120	0	16	36	53	55	34	
125	0	11	25	42	44	25	23
130	0	5	20	30	32	18	
135	0	3	15	23	25	13	10
140	0	6	9	17	19	10	
145	0	4	10	12	13	8	5
150	0	2	5	8	12	5	
155	0	0	3	8	10	4	2
160	0	0	1	9	8	5	
165	0	0	0	2	5	3	1
170	0	0	0	0	5	3	
175	0	0	0	0	2	3	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	2454 (716)	2454 (716)	2454 (716)	2454 (716)	2454 (716)	2454 (716)
30	2429 (709)	2417 (705)	2516 (734)	2576 (751)	2583 (754)	2583 (754)
40	2291 (668)	2355 (687)	2529 (738)	2642 (771)	2654 (774)	2654 (774)
45	2125 (620)	2220 (648)	2415 (704)	2501 (730)	2438 (711)	2438 (711)
50	1784 (520)	1937 (565)	2097 (612)	2110 (616)	1976 (576)	1976 (576)
55	1444 (421)	1530 (446)	1736 (506)	1796 (524)	1782 (520)	1782 (520)
60	1231 (359)	1299 (379)	1435 (418)	1495 (436)	1561 (455)	1561 (455)
65	1121 (327)	1140 (332)	1276 (372)	1276 (372)	1384 (404)	1384 (404)
70	1165 (340)	1084 (316)	1157 (337)	1224 (357)	1397 (407)	1397 (407)
75	1229 (358)	1015 (296)	1073 (313)	1276 (372)	1497 (437)	1497 (437)
80	1196 (349)	946 (276)	1075 (313)	1369 (399)	1572 (458)	1572 (458)
85	1031 (300)	798 (233)	1143 (333)	1602 (467)	1856 (541)	1856 (541)

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	1.031	1.031	1.031	1.03	.99	.99	.99	.99	.93	.93	.93	.88	.88	.88	.83	.83	.83	.80			
1	.94	.90	.87	.84	.91	.88	.84	.81	.82	.80	.78	.78	.76	.74	.74	.72	.70	.68			
2	.86	.80	.74	.70	.84	.77	.72	.68	.73	.69	.65	.69	.66	.63	.66	.63	.60	.58			
3	.79	.71	.64	.59	.77	.69	.63	.58	.66	.60	.56	.62	.58	.54	.59	.56	.52	.50			
4	.73	.63	.56	.51	.71	.62	.55	.50	.59	.53	.49	.56	.51	.47	.53	.49	.46	.44			
5	.67	.56	.49	.43	.65	.55	.48	.43	.52	.46	.42	.50	.45	.41	.48	.43	.40	.38			
6	.62	.51	.43	.38	.60	.49	.42	.37	.47	.41	.37	.45	.40	.36	.43	.38	.35	.33			
7	.57	.46	.38	.33	.55	.45	.38	.33	.43	.36	.32	.41	.35	.31	.39	.34	.30	.29			
8	.53	.41	.34	.29	.51	.40	.33	.28	.38	.32	.28	.37	.31	.27	.35	.30	.26	.25			
9	.48	.37	.30	.25	.47	.36	.29	.25	.34	.28	.24	.33	.27	.23	.31	.27	.23	.21			
10	.45	.33	.26	.22	.43	.33	.26	.22	.31	.25	.21	.30	.24	.21	.29	.24	.20	.19			

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 28.8
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST FACTORS HAVE NOT BEEN APPLIED.