



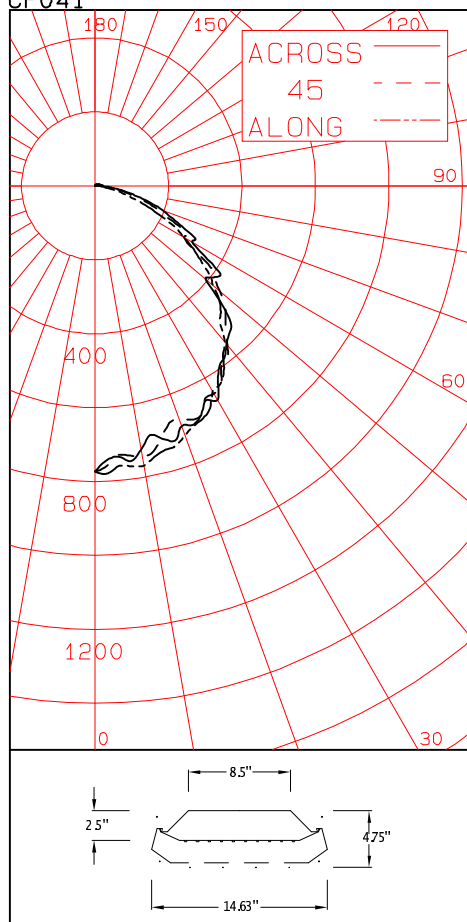
LIGHTING SCIENCES CANADA LTD.

160 Frobisher Drive, Unit 5, Waterloo, Ontario, Canada N2V 2B1
 Tel: (519) 746-3140 Fax: (519) 746-3156 lsc@lightingsciences.ca

CERTIFIED TEST REPORT NO. LSC F041
 COMPUTED BY LSC PROGRAM **TEST-LITE**

JAFTECH 2FT LED PARKING GARAGE LUMINAIRE CAT. NO. LS602-80X2-1UF-C-WG-50
 WITH WHITE PAINTED INTERIOR, CLEAR ACRYLIC WRAP LENS AND WIRE GUARD
 2 x 80 SAMSUNG LED PANELS - STIFEW850 (5000K). LUMEN OUTPUT = 2097 LMS.
 SAMSUNG LED DRIVER 120-277V MODEL NO. SA-S166C

CF041



CANDLEPOWER SUMMARY OUTPUT LUMENS

ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	773	773	773	773	773	
5	761	740	732	742	736	72
15	740	717	703	686	708	201
25	694	658	684	700	684	310
35	612	597	599	593	593	375
45	484	474	502	522	523	384
55	350	375	386	390	417	330
65	204	217	243	270	262	236
75	74	91	112	130	127	117
85	15	25	37	39	36	37
90	2	9	20	23	21	
95	0	5	14	19	17	13
105	0	2	9	13	12	8
115	0	1	6	9	9	5
125	0	1	5	8	7	4
135	0	1	3	5	5	2
145	0	1	2	3	3	1
155	0	0	2	2	2	1
165	0	0	0	1	1	0
175	0	0	0	0	0	0
180	0	0	0	0	0	

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	583	27.83	27.83
0-40	958	45.71	45.71
0-60	1672	79.77	79.77
0-90	2062	98.35	98.35
40-90	1103	52.64	52.64
60-90	389	18.58	18.58
90-180	34	1.65	1.65
0-180	2097	100.00	100.00

** EFFICACY = 72.6 LMS/WATT **

LUMINANCE SUMMARY-CD. / SQ. M.

PAINT REFLECTANCE = .87 S/MH = 1.2
 SC (ALONG) = 1.3, SC (ACROSS) = 1.2

ANGLE	ALONG	45	ACROSS
45	3297	3218	3269
55	2940	2972	3096
65	2319	2428	2491
75	1382	1676	1762
85	846	1157	965

CERTIFIED BY:

Charles Sison

DATE:
 JUN 9, 2011

PREPARED FOR:

JAFTECH MANUFACTURING LTD.
 NEWMARKET, ONTARIO

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

LIGHTING SCIENCES CANADA LTD.
 160 FROBISHER DRIVE, UNIT 5
 WATERLOO, ONTARIO

CERTIFIED TEST REPORT NO. LSC F041
 COMPUTED BY LSC PROGRAM **TEST-LITE**

JAFTECH 2FT LED PARKING GARAGE LUMINAIRE CAT. NO. LS602-80X2-1UF-C-WG-50
 WITH WHITE PAINTED INTERIOR, CLEAR ACRYLIC WRAP LENS AND WIRE GUARD
 2 x 80 SAMSUNG LED PANELS - STIFEW850 (5000K). LUMEN OUTPUT = 2097 LMS.
 SAMSUNG LED DRIVER 120-277V MODEL NO. SA-S166C

CANDLEPOWER DATA

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
0	773	773	773	773	773	773	
5	761	740	732	742	736	741	72
10	768	721	745	736	725	737	
15	740	717	703	686	708	708	201
20	717	713	671	704	691	698	
25	694	658	684	700	684	683	310
30	641	607	650	647	669	640	
35	612	597	599	593	593	598	375
40	551	542	561	562	558	555	
45	484	474	502	522	523	500	384
50	421	427	443	433	394	428	
55	350	375	386	390	417	384	330
60	279	289	279	315	306	294	
65	204	217	243	270	262	241	236
70	133	150	178	188	196	170	
75	74	91	112	130	127	109	117
80	35	50	69	77	76	63	
85	15	25	37	39	36	32	37
90	2	9	20	23	21	16	
95	0	5	14	19	17	12	13
100	0	2	11	15	14	9	
105	0	2	9	13	12	7	8
110	0	1	7	12	12	7	
115	0	1	6	9	9	5	5
120	0	1	6	8	8	5	
125	0	1	5	8	7	4	4
130	0	1	4	7	7	4	
135	0	1	3	5	5	3	2
140	0	1	2	3	4	2	
145	0	1	2	3	3	2	1
150	0	0	2	3	3	2	
155	0	0	2	2	2	1	1
160	0	0	1	2	2	1	
165	0	0	0	1	1	1	0
170	0	0	0	1	0	0	
175	0	0	0	0	0	0	0
180	0	0	0	0	0	0	

LIGHTING SCIENCES CANADA LTD.
160 FROBISHER DRIVE, UNIT 5
WATERLOO, ONTARIO

CERTIFIED TEST REPORT NO. LSC F041
COMPUTED BY LSC PROGRAM **TEST-LITE**

JAFTECH 2FT LED PARKING GARAGE LUMINAIRE CAT. NO. LS602-80X2-1UF-C-WG-50
WITH WHITE PAINTED INTERIOR, CLEAR ACRYLIC WRAP LENS AND WIRE GUARD
2 x 80 SAMSUNG LED PANELS - STIFEW850 (5000K). LUMEN OUTPUT = 2097 LMS.
SAMSUNG LED DRIVER 120-277V MODEL NO. SA-S166C

AVERAGE LUMINANCE DATA

ANGLE	ALONG	CD. / SQ. M. (FOOTLAMBERTS)			ACROSS
		22.5	45	67.5	
0	3723(1086)	3723(1086)	3723(1086)	3723(1086)	3723(1086)
30	3566(1040)	3318(968)	3489(1018)	3435(1002)	3527(1029)
40	3465(1011)	3316(968)	3343(975)	3303(964)	3251(948)
45	3297(962)	3117(909)	3218(939)	3282(957)	3269(954)
50	3154(920)	3079(898)	3075(897)	2950(861)	2654(774)
55	2940(858)	2998(875)	2972(867)	2925(853)	3096(903)
60	2685(783)	2631(768)	2411(703)	2643(771)	2534(739)
65	2319(677)	2302(672)	2428(708)	2599(758)	2491(727)
70	1875(547)	1933(564)	2126(620)	2139(624)	2194(640)
75	1382(403)	1502(438)	1676(489)	1838(536)	1762(514)
80	980(286)	1150(335)	1389(405)	1433(418)	1379(402)
85	846(246)	987(288)	1157(337)	1079(314)	965(281)

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

LIGHTING SCIENCES CANADA LTD.
 160 FROBISHER DRIVE, UNIT 5
 WATERLOO, ONTARIO

CERTIFIED TEST REPORT NO. LSC F041
 COMPUTED BY LSC PROGRAM **TEST-LITE**

JAFTECH 2FT LED PARKING GARAGE LUMINAIRE CAT. NO. LS602-80X2-1UF-C-WG-50
 WITH WHITE PAINTED INTERIOR, CLEAR ACRYLIC WRAP LENS AND WIRE GUARD
 2 x 80 SAMSUNG LED PANELS - STIFEW850 (5000K). LUMEN OUTPUT = 2097 LMS.
 SAMSUNG LED DRIVER 120-277V MODEL NO. SA-S166C

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	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.10	1.10	1.10	1.10	1.05	1.05	1.05	1.05	1.01	1.01	1.01	1.01	.98
1	1.09	1.05	1.01	.98	1.07	1.03	.99	.96	.98	.95	.93	.94	.92	.89	.90	.88	.87	.87	.87	.87	.84
2	1.01	.93	.87	.82	.98	.91	.86	.81	.87	.83	.79	.84	.80	.77	.81	.78	.75	.75	.75	.75	.73
3	.92	.83	.75	.69	.90	.81	.74	.69	.78	.72	.67	.75	.70	.66	.72	.68	.65	.65	.65	.65	.63
4	.85	.74	.66	.60	.83	.73	.66	.59	.70	.64	.59	.68	.62	.58	.65	.61	.57	.57	.57	.57	.55
5	.79	.67	.58	.52	.76	.65	.57	.51	.63	.56	.51	.61	.55	.50	.59	.54	.49	.49	.49	.49	.47
6	.72	.60	.51	.45	.70	.59	.51	.45	.57	.50	.44	.55	.48	.44	.53	.48	.43	.43	.43	.43	.41
7	.66	.53	.45	.39	.65	.53	.45	.39	.51	.43	.38	.49	.43	.38	.48	.42	.38	.38	.38	.38	.36
8	.62	.48	.40	.35	.60	.48	.40	.34	.46	.39	.34	.45	.38	.34	.44	.38	.33	.33	.33	.33	.31
9	.57	.44	.36	.30	.56	.43	.36	.30	.42	.35	.30	.41	.34	.30	.40	.34	.29	.29	.29	.29	.28
10	.53	.40	.32	.27	.52	.39	.32	.27	.38	.31	.27	.37	.31	.26	.36	.30	.26	.26	.26	.26	.24

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 28.9
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 ABSOLUTE PHOTOMETRY TAKEN.

LIGHTING SCIENCES CANADA LTD.
160 FROBISHER DRIVE, UNIT 5
WATERLOO, ONTARIO

CERTIFIED TEST REPORT NO. LSC F041

JAFTECH 2FT LED PARKING GARAGE LUMINAIRE CAT. NO. LS602-80X2-1UF-C-WG-50
WITH WHITE PAINTED INTERIOR, CLEAR ACRYLIC WRAP LENS AND WIRE GUARD
2 x 80 SAMSUNG LED PANELS - STIFEW850 (5000K). LUMEN OUTPUT = 2097 LMS.
SAMSUNG LED DRIVER 120-277V MODEL NO. SA-S166C

SUPPLEMENTARY MEASUREMENTS AS PER IES-LM-79-08

STABILIZATION TIME: 1 HOUR

ELECTRICAL CONSUMPTION

INPUT VOLTAGE: 120.0 VRMS
INPUT CURRENT: 0.245 ARMS
INPUT WATTAGE: 28.88
POWER FACTOR: 0.982

CHROMATICITY MEASUREMENTS

CIE 1931-x: 0.332
CIE 1931-y: 0.338
CORRELATED COLOUR TEMPERATURE: 5535 DEG. K
COLOUR RENDERING INDEX: 85.5%