

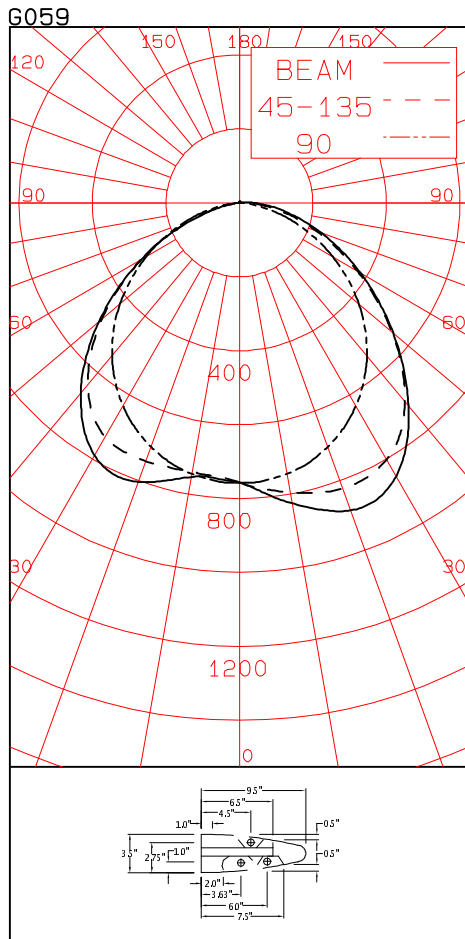


LIGHTING SCIENCES CANADA LTD.

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 G059
 COMPUTED BY LSC PROGRAM **TEST-LITE**

AMICO SKYLINE SERIES 4' OVERBED LIGHT CAT. NO. L-SKY-4'-120-A-2PC (READING)
 WITH SPECULAR REFLECTORS AND DIFFUSE LENSES
 ONE 39W T5 HO 4100K FLUORESCENT LAMP. LUMEN RATING = 3150 LMS.
 ADVANCE BALLAST CAT. NO. ICN-2S24



ANGLE	CANDLEPOWER SUMMARY				BEAM	OUTPUT LUMENS
	BEAM SIDE					
	90	67.5	45	22.5		
0	757	757	757	757	757	
5	755	765	777	784	789	38
15	728	766	813	846	860	114
25	672	736	820	870	886	184
35	590	676	763	790	794	227
45	484	571	626	631	631	229
55	360	429	454	460	461	196
65	229	275	294	303	305	141
75	107	139	158	169	172	80
85	18	37	53	66	71	29
90	0	6	19	30	33	
95	0	0	2	8	10	3
105	0	0	0	0	0	0
115	0	0	0	0	0	0
125	0	1	1	1	1	0
135	0	1	3	2	1	1
145	0	2	4	3	2	1
155	0	2	5	3	2	1
165	0	1	4	4	0	0
175	0	0	0	1	0	0
180	0	0	0	0	0	

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	647	20.55	27.97
0-40	1085	34.46	46.91
0-60	1897	60.23	81.98
0-90	2307	73.24	99.70
40-90	1221	38.79	52.80
60-90	410	13.02	17.72
90-180	6	.22	.30
0-180	2314	73.46	100.00

** EFFICIENCY = 73.5% **

LUMINANCE SUMMARY-CD. / SQ. M.

ANGLE	BEAM SIDE		
	90	45	BEAM SIDE
45	4018	4623	4450
55	3685	3943	3758
65	3181	3208	3057
75	2427	2417	2333
85	1212	1455	1558

CERTIFIED BY:

Charles Sisson

DATE:
AUG 22, 2012

PREPARED FOR:

AMICO LIGHTS
 RICHMOND HILL, 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

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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	0
RCR																		
0	.87	.87	.87	.87	.85	.85	.85	.85	.82	.82	.82	.78	.78	.78	.75	.75	.75	.73
1	.81	.78	.75	.72	.79	.76	.73	.71	.73	.71	.69	.70	.68	.67	.67	.66	.65	.63
2	.74	.69	.64	.60	.72	.67	.63	.60	.65	.61	.58	.62	.59	.57	.60	.58	.56	.54
3	.68	.61	.56	.51	.66	.60	.55	.51	.58	.53	.50	.56	.52	.49	.54	.51	.48	.47
4	.63	.54	.48	.44	.61	.53	.48	.43	.52	.47	.43	.50	.46	.42	.48	.45	.42	.40
5	.57	.48	.42	.37	.56	.47	.41	.37	.46	.41	.37	.44	.40	.36	.43	.39	.36	.34
6	.53	.43	.37	.32	.51	.42	.36	.32	.41	.36	.32	.40	.35	.32	.39	.34	.31	.30
7	.48	.39	.33	.28	.47	.38	.32	.28	.37	.32	.28	.36	.31	.27	.35	.31	.27	.26
8	.45	.35	.29	.24	.44	.34	.28	.24	.33	.28	.24	.32	.27	.24	.31	.27	.24	.22
9	.41	.31	.25	.21	.40	.31	.25	.21	.30	.24	.21	.29	.24	.21	.28	.24	.20	.19
10	.38	.28	.22	.18	.37	.28	.22	.18	.27	.22	.18	.26	.21	.18	.26	.21	.18	.17

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 39.9
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST FACTORS HAVE NOT BEEN APPLIED.

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 WATERLOO, ONTARIO

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BEAM SIDE
 CANDLEPOWER DATA

ANGLE	PLANE				BEAM SIDE	AVERAGE	OUTPUT LUMENS
	90	67.5	45	22.5			
0	757	757	757	757	757	757	
5	755	765	777	784	789	775	38
10	745	768	797	816	826	792	
15	728	766	813	846	860	805	114
20	703	755	823	869	886	810	
25	672	736	820	870	886	801	184
30	634	711	802	843	853	775	
35	590	676	763	790	794	730	227
40	540	629	701	714	716	668	
45	484	571	626	631	631	596	229
50	424	503	541	544	545	518	
55	360	429	454	460	461	438	196
60	294	351	372	379	381	360	
65	229	275	294	303	305	285	141
70	165	204	222	232	236	215	
75	107	139	158	169	172	151	80
80	56	84	101	114	118	96	
85	18	37	53	66	71	50	29
90	0	6	19	30	33	18	
95	0	0	2	8	10	4	3
100	0	0	0	0	1	0	
105	0	0	0	0	0	0	0
110	0	0	0	0	0	0	
115	0	0	0	0	0	0	0
120	0	0	1	1	0	0	
125	0	1	1	1	1	1	0
130	0	1	2	2	1	1	
135	0	1	3	2	1	2	1
140	0	1	3	3	2	2	
145	0	2	4	3	2	2	1
150	0	2	5	3	2	3	
155	0	2	5	3	2	3	1
160	0	1	4	3	1	2	
165	0	1	4	4	0	2	0
170	0	0	2	4	0	2	
175	0	0	0	1	0	0	0
180	0	0	0	0	0	0	

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BEAM SIDE
 AVERAGE LUMINANCE DATA

ANGLE	CD. / SQ. M. (FOOTLAMBERTS)					BEAM SIDE
	90	67.5	45	22.5		
0	4443 (1296)	4443 (1296)	4443 (1296)	4443 (1296)	4443 (1296)	4443 (1296)
30	4298 (1254)	4643 (1355)	5071 (1480)	5223 (1524)	5236 (1528)	5236 (1528)
40	4138 (1207)	4564 (1332)	4850 (1415)	4809 (1403)	4758 (1388)	4758 (1388)
45	4018 (1172)	4436 (1294)	4623 (1349)	4499 (1313)	4450 (1299)	4450 (1299)
50	3872 (1130)	4262 (1244)	4282 (1250)	4152 (1211)	4091 (1194)	4091 (1194)
55	3685 (1075)	3999 (1167)	3943 (1151)	3806 (1110)	3758 (1097)	3758 (1097)
60	3452 (1007)	3692 (1077)	3575 (1043)	3452 (1007)	3400 (992)	3400 (992)
65	3181 (928)	3330 (971)	3208 (936)	3101 (905)	3057 (892)	3057 (892)
70	2832 (826)	2946 (860)	2824 (824)	2732 (797)	2696 (786)	2696 (786)
75	2427 (708)	2517 (734)	2417 (705)	2358 (688)	2333 (681)	2333 (681)
80	1893 (552)	2032 (593)	1979 (577)	1968 (574)	1959 (571)	1959 (571)
85	1212 (353)	1406 (410)	1455 (424)	1531 (447)	1558 (454)	1558 (454)

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

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OPPOSITE SIDE TO BEAM
 CANDLEPOWER DATA

ANGLE	PLANE					AVERAGE	OUTPUT LUMENS
	90	112.5	135	157.5	NON- BEAM		
0	757	757	757	757	757	757	
5	755	745	743	745	748	746	36
10	745	734	739	747	754	742	
15	728	718	741	767	779	745	105
20	703	699	744	786	804	746	
25	672	677	743	793	811	738	170
30	634	651	732	776	790	718	
35	590	618	697	730	740	678	211
40	540	574	641	665	672	621	
45	484	520	571	585	590	553	212
50	424	454	488	497	499	475	
55	360	380	400	403	404	391	174
60	294	303	311	311	310	307	
65	229	227	225	221	220	224	111
70	165	153	146	140	138	148	
75	107	89	79	71	69	82	44
80	56	37	27	21	20	31	
85	18	3	0	0	0	3	4
90	0	0	0	0	0	0	
95	0	0	0	0	0	0	0
100	0	0	0	0	0	0	
105	0	0	0	0	0	0	0
110	0	0	0	0	0	0	
115	0	0	0	0	0	0	0
120	0	0	0	0	0	0	
125	0	0	1	1	0	0	0
130	0	0	1	1	1	1	
135	0	0	1	1	1	1	0
140	0	0	1	2	1	1	
145	0	0	2	2	1	1	0
150	0	0	1	1	1	1	
155	0	0	0	1	1	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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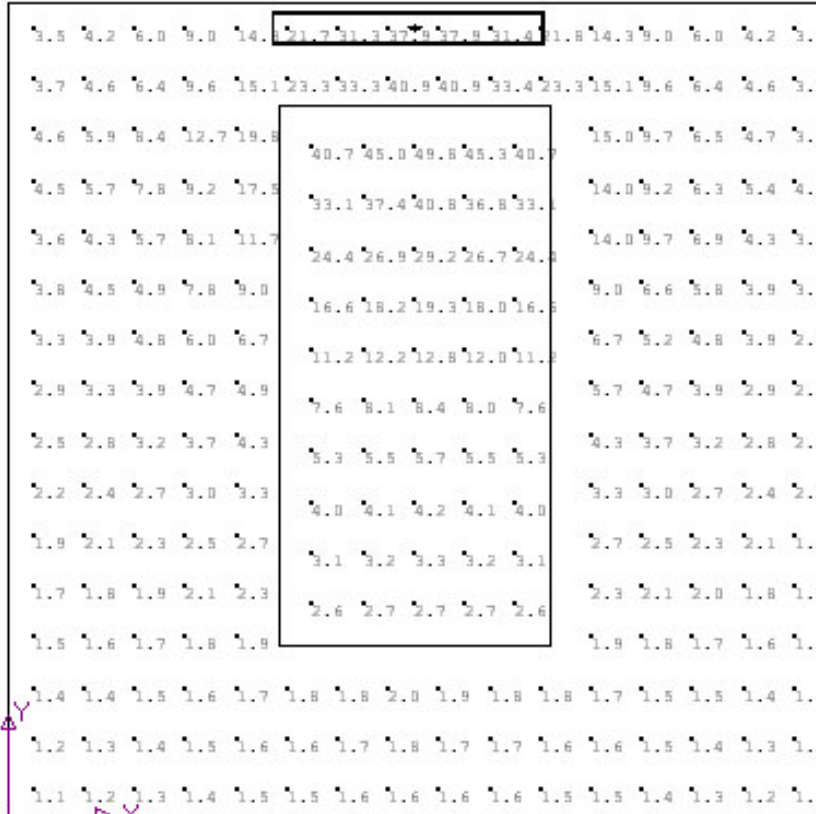
OPPOSITE SIDE TO BEAM
 AVERAGE LUMINANCE DATA

ANGLE	CD. / SQ. M. (FOOTLAMBERTS)				
	90	112.5	135	157.5	NON-BEAM
0	4443 (1296)	4443 (1296)	4443 (1296)	4443 (1296)	4443 (1296)
30	4298 (1254)	4255 (1242)	4630 (1351)	4809 (1403)	4844 (1413)
40	4138 (1207)	4166 (1215)	4439 (1295)	4477 (1306)	4465 (1303)
45	4018 (1172)	4043 (1180)	4219 (1231)	4174 (1218)	4157 (1213)
50	3872 (1130)	3843 (1121)	3869 (1129)	3795 (1107)	3742 (1092)
55	3685 (1075)	3546 (1035)	3472 (1013)	3333 (973)	3294 (961)
60	3452 (1007)	3182 (928)	2993 (873)	2832 (826)	2765 (807)
65	3181 (928)	2740 (799)	2463 (718)	2264 (660)	2206 (643)
70	2832 (826)	2214 (646)	1859 (542)	1648 (481)	1582 (461)
75	2427 (708)	1599 (466)	1207 (352)	994 (290)	936 (273)
80	1893 (552)	909 (265)	532 (155)	371 (108)	333 (97)
85	1212 (353)	103 (30)	0 (0)	0 (0)	0 (0)

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

Luminaire Schedule						
Project: LSC G059						
Symbol	Qty	Label	Arrangement	Lumens	LLF	Description
	1	A	SINGLE	2150	1.000	Overbed Light (Reading)

Numeric Summary - Basic							
Project: LSC G059							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Room Workplane	Illuminance	Fc	5.87	40.9	1.1	5.24	37.18
Table_Top_1	Illuminance	Fc	15.98	49.8	2.6	6.15	19.15



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 Web: www.lightingsciences.ca

Prepared For:
 Amiro Corporation
 Richmond Hill, Ontario
 Prepared By:
 Charles Sisson
 Date:
 August 22, 2012

Room: 12' x 12' x 9'
 Table: 4' x 8' x 3'
 Table Head Distance to Wall: 18"
 Fixture Mounting Height: 72" (6')
 Reflectances: Ceiling 80%,
 Walls 50%,
 Floor 20%
 Grid Spacing: 9" x 9"
 Workplane Height: 36" (3')