

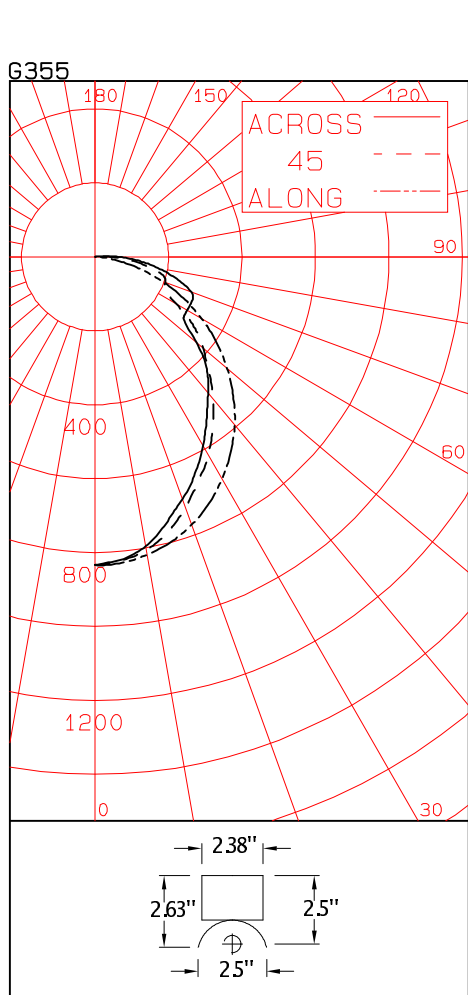


LIGHTING SCIENCES CANADA LTD.

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CERTIFIED TEST REPORT NO. LSC G355
 COMPUTED BY LSC PROGRAM **TEST-LITE**

KOJIN 4 FT. STRIP LIGHT CAT. NO. KT5SL120-L1UV
 WITH SPECULAR REFLECTOR
 ONE 28W T5 FLUORESCENT LAMP. LUMEN RATING = 2600 LMS.
 ANTRON ELECTRONICS 120-277V 1/2-LAMP ELECTRONIC BALLAST NO. EPD-A28T5M



CANDLEPOWER SUMMARY OUTPUT LUMENS

ANGLE	ALONG	22.5	45	67.5	ACROSS	LUMENS
0	834	834	834	834	834	
5	831	832	825	824	823	79
15	799	792	770	752	747	217
25	736	712	668	652	646	313
35	645	599	560	537	531	357
45	533	479	439	433	431	352
55	405	345	329	296	295	297
65	266	217	210	270	290	243
75	129	104	191	222	230	183
85	20	56	90	111	117	90
90	0	16	41	58	63	
95	0	0	4	13	16	12
105	0	0	0	0	0	0
115	0	0	0	0	0	0
125	0	0	0	0	0	0
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	

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	608	23.41	28.41
0-40	965	37.13	45.05
0-60	1614	62.09	75.35
0-90	2130	81.93	99.42
40-90	1164	44.80	54.37
60-90	515	19.84	24.07
90-180	12	.48	.58
0-180	2142	82.41	100.00

** EFFICIENCY = 82.4% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 1.1
 SC(ALONG) = 1.2, SC(ACROSS) = 1.1

ANGLE	ALONG	45	ACROSS
45	10353	8133	7812
55	9693	7349	6406
65	8655	6152	8154
75	6835	8475	9574
85	3203	8851	9998

CERTIFIED BY:
Charles Sison DATE: JAN 2, 2013
 PREPARED FOR:
 KOJIN INC.
 MISSISSAUGA, 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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CANDLEPOWER DATA

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
0	834	834	834	834	834	834	
5	831	832	825	824	823	827	79
10	819	816	806	799	795	807	
15	799	792	770	752	747	772	217
20	771	757	722	699	697	728	
25	736	712	668	652	646	680	313
30	693	658	618	595	589	628	
35	645	599	560	537	531	571	357
40	592	537	500	481	480	514	
45	533	479	439	433	431	458	352
50	470	411	383	373	361	396	
55	405	345	329	296	295	330	297
60	336	277	256	271	290	279	
65	266	217	210	270	290	244	243
70	196	157	203	265	279	216	
75	129	104	191	222	230	174	183
80	69	92	143	167	174	131	
85	20	56	90	111	117	82	90
90	0	16	41	58	63	37	
95	0	0	4	13	16	7	12
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	0	0	0	0	
125	0	0	0	0	0	0	0
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)			
		22.5	45	67.5	ACROSS
0	11459(3344)	11459(3344)	11459(3344)	11459(3344)	11459(3344)
30	10998(3210)	10300(3006)	9538(2783)	9099(2655)	8962(2615)
40	10611(3096)	9432(2752)	8595(2508)	8176(2386)	8098(2363)
45	10353(3021)	9050(2641)	8133(2373)	7883(2300)	7812(2280)
50	10050(2933)	8523(2487)	7708(2249)	7392(2157)	7090(2069)
55	9693(2829)	7943(2318)	7349(2145)	6469(1888)	6406(1869)
60	9235(2695)	7285(2126)	6453(1883)	6672(1947)	7042(2055)
65	8655(2526)	6650(1940)	6152(1795)	7655(2234)	8154(2380)
70	7890(2302)	5879(1715)	7137(2083)	8969(2617)	9308(2716)
75	6835(1995)	4997(1458)	8475(2473)	9379(2737)	9574(2794)
80	5444(1589)	6301(1839)	8703(2540)	9521(2778)	9680(2825)
85	3203(935)	6685(1951)	8851(2583)	9823(2867)	9998(2918)

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	.98	.98	.98	.98	.96	.96	.96	.96	.91	.91	.91	.87	.87	.87	.84	.84	.84	.84	.84	.84	.84	.82
1	.89	.85	.82	.79	.87	.84	.80	.77	.80	.77	.75	.76	.74	.72	.74	.72	.70	.70	.70	.70	.70	.68
2	.81	.75	.69	.64	.79	.73	.68	.64	.70	.66	.62	.67	.64	.61	.65	.62	.59	.59	.59	.59	.59	.57
3	.75	.66	.60	.54	.73	.65	.59	.54	.62	.57	.53	.60	.56	.52	.58	.54	.51	.51	.51	.51	.51	.49
4	.69	.59	.52	.47	.67	.58	.52	.46	.56	.50	.46	.54	.49	.45	.52	.48	.44	.44	.44	.44	.44	.42
5	.63	.53	.45	.40	.61	.51	.44	.39	.50	.44	.39	.48	.43	.39	.46	.42	.38	.38	.38	.38	.38	.36
6	.58	.47	.40	.35	.56	.46	.39	.34	.45	.39	.34	.43	.38	.34	.42	.37	.33	.33	.33	.33	.33	.32
7	.54	.43	.35	.31	.52	.42	.35	.30	.41	.34	.30	.39	.34	.30	.38	.33	.29	.29	.29	.29	.29	.28
8	.50	.38	.31	.27	.48	.38	.31	.26	.37	.31	.26	.36	.30	.26	.35	.30	.26	.26	.26	.26	.26	.24
9	.46	.35	.28	.23	.45	.34	.28	.23	.33	.27	.23	.32	.27	.23	.31	.26	.22	.22	.22	.22	.22	.21
10	.43	.32	.25	.21	.42	.31	.25	.20	.30	.24	.20	.29	.24	.20	.29	.24	.20	.20	.20	.20	.20	.19

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 33.5
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST FACTORS HAVE NOT BEEN APPLIED.