

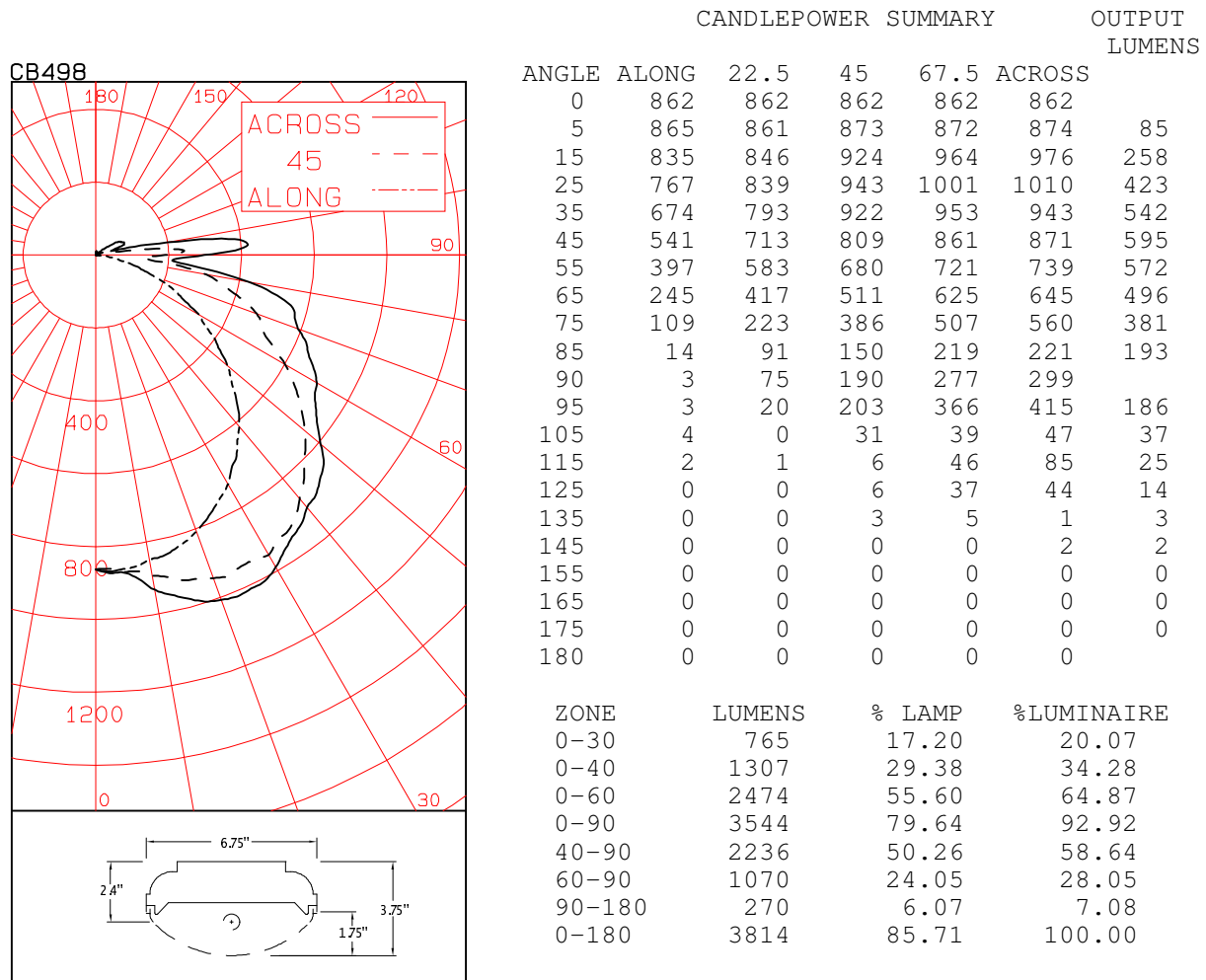


LIGHTING SCIENCES CANADA LTD.

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Tel: (519) 746-3140 Fax: (519) 746-3156 lsc@lightingsciences.ca

CERTIFIED TEST REPORT NO. LSC B498
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI 4FT. LUMINAIRE CAT. NO. HZ100 4 HT F1 120V STEEL REFLECTOR
WITH WHITE PAINTED STEEL REFLECTOR AND CLEAR WRAP LENS
ONE 54W T5 HO FLUORESCENT LAMP. LUMEN RATING = 4450 LMS.
ONE SYLVANIA 120-277V 1 OR 2-LAMP ELECTRONIC BALLAST NO. QTP2x54T5HO/UNV PSN HT



LUMINANCE SUMMARY-CD. / SQ. M.

PAINT REFLECTANCE = .75 S/MH = 1.6
SC (ALONG) = 1.2, SC (ACROSS) = 1.6

ANGLE	ALONG	45	ACROSS
45	3525	4508	4643
55	3141	4338	4454
65	2576	3962	4631
75	1770	3948	5170
85	554	2376	2971

CERTIFIED BY:

Charles Lison

DATE:
DEC 15, 2006

PREPARED FOR:

BEGHELLI NORTH AMERICA
MIRAMAR, FL, USA

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	862	862	862	862	862	862	
5	865	861	873	872	874	869	85
10	849	854	893	915	934	888	
15	835	846	924	964	976	910	258
20	807	844	943	994	1007	922	
25	767	839	943	1001	1010	918	423
30	726	817	950	990	989	904	
35	674	793	922	953	943	869	542
40	613	758	872	903	903	823	
45	541	713	809	861	871	772	595
50	474	657	749	812	808	715	
55	397	583	680	721	739	638	572
60	325	505	601	660	701	570	
65	245	417	511	625	645	500	496
70	167	331	471	559	592	435	
75	109	223	386	507	560	363	381
80	56	165	309	406	428	280	
85	14	91	150	219	221	144	193
90	3	75	190	277	299	173	
95	3	20	203	366	415	199	186
100	8	14	46	150	201	79	
105	4	0	31	39	47	24	37
110	4	4	23	38	80	27	
115	2	1	6	46	85	24	25
120	0	3	7	45	73	23	
125	0	0	6	37	44	17	14
130	0	0	5	15	20	8	
135	0	0	3	5	1	3	3
140	0	0	2	4	8	3	
145	0	0	0	0	2	0	2
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	4113 (1200)	4113 (1200)	4113 (1200)	4113 (1200)	4113 (1200)
30	3921 (1144)	4184 (1221)	4663 (1361)	4747 (1385)	4712 (1375)
40	3704 (1081)	4249 (1240)	4602 (1343)	4620 (1348)	4586 (1338)
45	3525 (1028)	4243 (1238)	4508 (1315)	4615 (1347)	4643 (1355)
50	3379 (986)	4214 (1230)	4426 (1292)	4601 (1343)	4537 (1324)
55	3141 (917)	4068 (1187)	4338 (1266)	4372 (1276)	4454 (1300)
60	2926 (854)	3918 (1143)	4183 (1221)	4341 (1267)	4560 (1331)
65	2576 (752)	3646 (1064)	3962 (1156)	4531 (1322)	4631 (1351)
70	2121 (619)	3378 (986)	4140 (1208)	4543 (1326)	4747 (1385)
75	1770 (516)	2734 (798)	3948 (1152)	4742 (1384)	5170 (1508)
80	1284 (374)	2579 (752)	3834 (1119)	4485 (1309)	4648 (1356)
85	554 (161)	1965 (573)	2376 (693)	3005 (877)	2971 (867)

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	1.011	.011	.011	.011	.01	.98	.98	.98	.98	.92	.92	.92	.87	.87	.87	.82	.82	.82	.80		
1	.91	.86	.82	.78	.88	.84	.80	.77	.79	.76	.73	.74	.72	.70	.70	.68	.67	.64			
2	.82	.74	.68	.63	.79	.72	.66	.62	.68	.63	.59	.64	.60	.57	.61	.58	.55	.53			
3	.74	.65	.58	.52	.72	.63	.56	.51	.60	.54	.49	.57	.52	.48	.54	.50	.46	.44			
4	.68	.57	.49	.43	.66	.56	.49	.43	.53	.46	.42	.50	.45	.40	.47	.43	.39	.37			
5	.62	.50	.42	.36	.59	.49	.41	.36	.46	.40	.35	.44	.38	.34	.42	.37	.33	.31			
6	.57	.45	.37	.31	.54	.43	.36	.30	.41	.35	.30	.39	.33	.29	.37	.32	.28	.26			
7	.52	.40	.32	.27	.50	.39	.32	.26	.37	.30	.26	.35	.29	.25	.34	.28	.24	.23			
8	.48	.36	.28	.23	.46	.35	.28	.23	.33	.27	.22	.32	.26	.21	.30	.25	.21	.19			
9	.44	.32	.25	.20	.42	.31	.24	.19	.30	.23	.19	.28	.23	.18	.27	.22	.18	.16			
10	.41	.29	.22	.17	.39	.28	.22	.17	.27	.21	.17	.26	.20	.16	.25	.19	.16	.14			

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 60.2
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST FACTORS HAVE NOT BEEN APPLIED.