

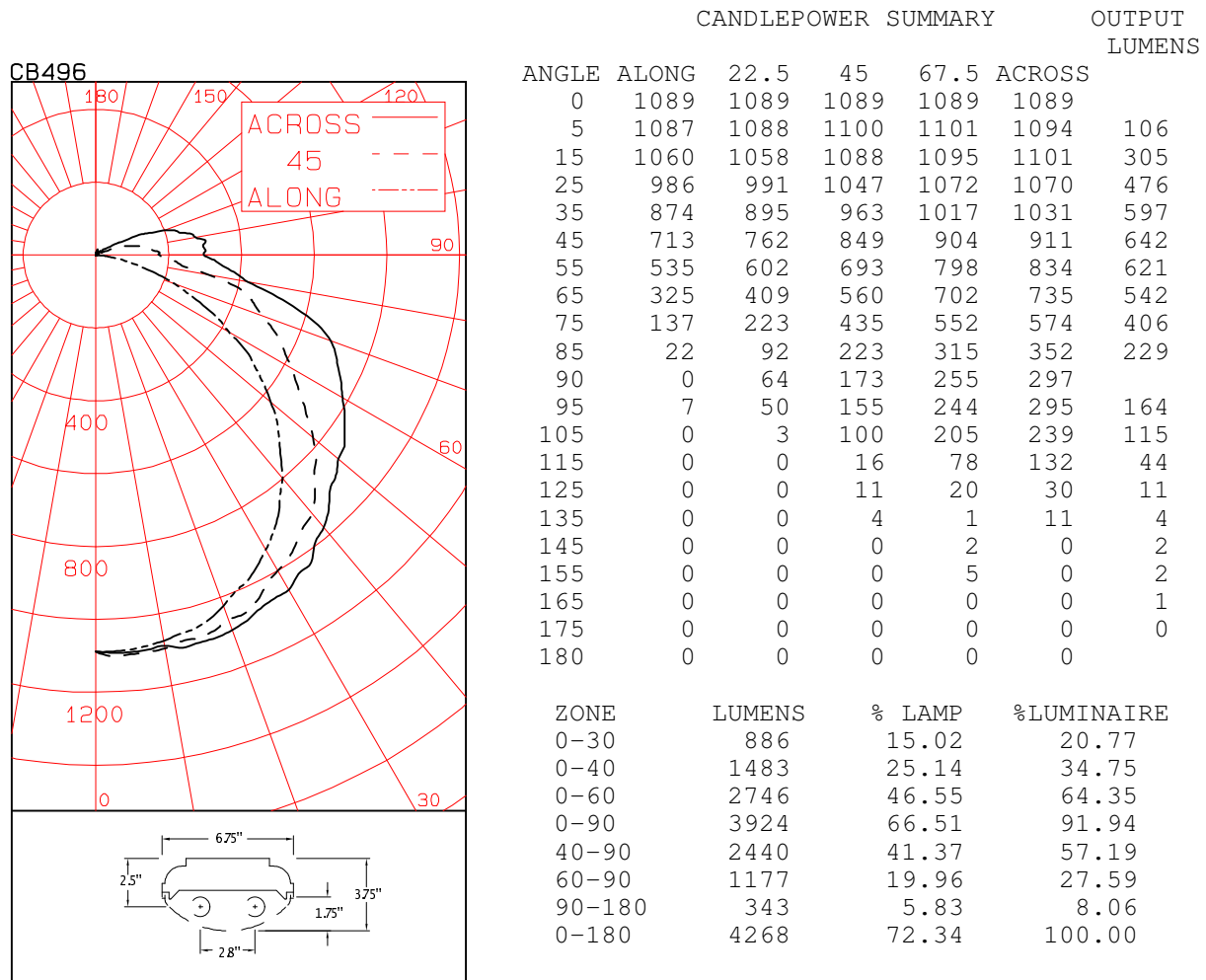


LIGHTING SCIENCES CANADA LTD.

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CERTIFIED TEST REPORT NO. LSC B496
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI 4FT. LUMINAIRE CAT. NO. HZ100 4 HT D2 120V STEEL REFLECTOR
WITH WHITE PAINTED STEEL REFLECTOR AND CLEAR WRAP LENS
TWO F32T8/TL841 32W T8 FLUORESCENT LAMPS. LUMEN RATING = 2950 LMS.
ONE SYLVANIA 120-277V 1 OR 2-LAMP ELECTRONIC BALLAST NO. QTP2x32T8/UNV ISN-SC



LUMINANCE SUMMARY-CD. / SQ. M.

PAINT REFLECTANCE = .75 S/MH = 1.4
SC (ALONG) = 1.3, SC (ACROSS) = 1.4

ANGLE	ALONG	45	ACROSS
45	4648	4728	4857
55	4235	4423	5028
65	3416	4336	5279
75	2236	4449	5296
85	851	3530	4744

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	1089	1089	1089	1089	1089	1089	
5	1087	1088	1100	1101	1094	1095	106
10	1075	1075	1096	1102	1088	1089	
15	1060	1058	1088	1095	1101	1080	305
20	1025	1025	1065	1088	1095	1059	
25	986	991	1047	1072	1070	1035	476
30	934	954	1000	1039	1061	998	
35	874	895	963	1017	1031	957	597
40	799	832	926	964	976	902	
45	713	762	849	904	911	832	642
50	628	677	780	843	871	762	
55	535	602	693	798	834	694	621
60	422	505	622	749	783	620	
65	325	409	560	702	735	550	542
70	229	307	488	646	687	475	
75	137	223	435	552	574	391	406
80	63	159	317	402	425	280	
85	22	92	223	315	352	204	229
90	0	64	173	255	297	160	
95	7	50	155	244	295	150	164
100	2	26	134	240	278	135	
105	0	3	100	205	239	107	115
110	0	0	53	160	198	79	
115	0	0	16	78	132	41	44
120	0	0	9	30	64	18	
125	0	0	11	20	30	12	11
130	0	0	5	16	11	8	
135	0	0	4	1	11	3	4
140	0	0	0	12	0	3	
145	0	0	0	2	0	0	2
150	0	0	0	5	0	1	
155	0	0	0	5	0	1	2
160	0	0	0	7	0	1	
165	0	0	0	0	0	0	1
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)		ACROSS
		22.5	45	67.5		
0	5192 (1515)	5192 (1515)	5192 (1515)	5192 (1515)		5192 (1515)
30	5041 (1471)	4884 (1425)	4911 (1433)	4982 (1454)		5055 (1475)
40	4832 (1410)	4665 (1361)	4886 (1426)	4931 (1439)		4954 (1445)
45	4648 (1356)	4531 (1322)	4728 (1380)	4844 (1413)		4857 (1417)
50	4473 (1305)	4339 (1266)	4605 (1344)	4776 (1394)		4894 (1428)
55	4235 (1236)	4201 (1226)	4423 (1291)	4844 (1413)		5028 (1467)
60	3798 (1108)	3912 (1141)	4328 (1263)	4925 (1437)		5094 (1486)
65	3416 (997)	3579 (1044)	4336 (1265)	5084 (1483)		5279 (1540)
70	2911 (849)	3134 (914)	4286 (1251)	5244 (1530)		5505 (1606)
75	2236 (652)	2737 (799)	4449 (1298)	5157 (1505)		5296 (1545)
80	1437 (419)	2481 (724)	3938 (1149)	4441 (1296)		4620 (1348)
85	851 (248)	1987 (580)	3530 (1030)	4328 (1263)		4744 (1384)

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	.85	.85	.85	.85	.82	.82	.82	.82	.77	.77	.77	.73	.73	.73	.68	.68	.68	.67			
1	.76	.73	.69	.66	.74	.70	.67	.64	.66	.64	.61	.62	.60	.58	.59	.57	.56	.54			
2	.69	.63	.58	.53	.67	.61	.56	.52	.57	.53	.50	.54	.51	.48	.51	.48	.46	.44			
3	.63	.55	.49	.44	.61	.53	.48	.43	.50	.46	.42	.48	.44	.40	.45	.42	.39	.37			
4	.57	.48	.42	.37	.55	.47	.41	.36	.45	.39	.35	.42	.38	.34	.40	.36	.33	.31			
5	.52	.43	.36	.31	.50	.41	.35	.30	.39	.34	.30	.37	.32	.29	.35	.31	.28	.26			
6	.48	.38	.31	.27	.46	.37	.31	.26	.35	.30	.25	.33	.28	.25	.32	.27	.24	.22			
7	.44	.34	.27	.23	.43	.33	.27	.23	.31	.26	.22	.30	.25	.21	.28	.24	.21	.19			
8	.41	.30	.24	.20	.39	.30	.24	.19	.28	.23	.19	.27	.22	.18	.25	.21	.18	.16			
9	.37	.27	.21	.17	.36	.27	.21	.17	.25	.20	.16	.24	.19	.16	.23	.19	.15	.14			
10	.35	.25	.19	.15	.34	.24	.19	.15	.23	.18	.14	.22	.17	.14	.21	.17	.14	.12			

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
LUMINAIRE INPUT WATTS = 56.0
LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
BALLAST FACTORS HAVE NOT BEEN APPLIED.