



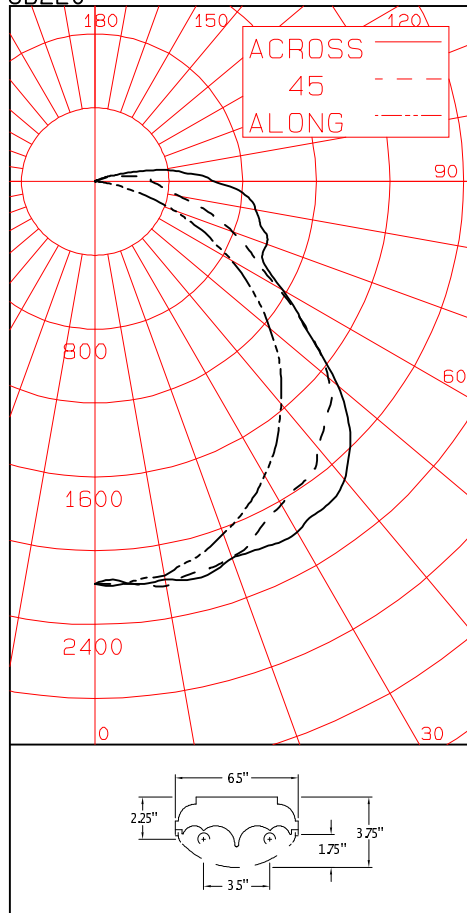
LIGHTING SCIENCES CANADA LTD.

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CERTIFIED TEST REPORT NO. LSC B220
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI 5' BS105 IP66 RATED LUMINAIRE CAT. NO. BS10560T5280AC/120V
WITH SPECULAR REFLECTOR AND CLEAR WRAP LENS
TWO SYLVANIA FP80/841/HO/ECO 80W T5 FLUORESCENT LAMPS. LUMEN RATING = 6150 LMS.
ONE ULTRASAVE 120-277V 1-LAMP ELECTRONIC BALLAST NO. PR 196120MBHT-P

CB220



CANDLEPOWER SUMMARY

OUTPUT LUMENS

ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	2180	2180	2180	2180	2180	
5	2178	2179	2189	2214	2187	213
15	2111	2158	2186	2234	2220	615
25	1946	2006	2091	2156	2184	962
35	1720	1829	1982	2117	2161	1229
45	1422	1535	1781	1921	1960	1332
55	1053	1227	1411	1456	1398	1189
65	658	863	943	987	1002	899
75	266	404	637	811	931	647
85	26	142	366	718	815	451
90	0	87	305	583	645	
95	0	38	270	466	503	277
105	0	9	121	180	185	109
115	0	0	24	25	35	24
125	0	0	0	8	16	3
135	0	0	0	0	1	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	1789	14.55	22.52
0-40	3018	24.54	37.97
0-60	5539	45.04	69.69
0-90	7535	61.27	94.80
40-90	4517	36.73	56.83
60-90	1996	16.23	25.12
90-180	413	3.36	5.20
0-180	7948	64.62	100.00

** EFFICIENCY = 64.6% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 1.5

SC (ALONG) = 1.3, SC (ACROSS) = 1.5

ANGLE	ALONG	45	ACROSS
45	7705	8231	8639
55	6949	7479	6964
65	5775	6078	5949
75	3656	5434	7100
85	879	4869	9069

CERTIFIED BY:

Charles Lison

DATE:

MAY 26, 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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ONE ULTRASAVE 120-277V 1-LAMP ELECTRONIC BALLAST NO. PR 196120MBHT-P

CANDLEPOWER DATA

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
0	2180	2180	2180	2180	2180	2180	
5	2178	2179	2189	2214	2187	2191	213
10	2167	2179	2224	2210	2188	2198	
15	2111	2158	2186	2234	2220	2186	615
20	2032	2096	2166	2190	2172	2138	
25	1946	2006	2091	2156	2184	2080	962
30	1838	1933	2022	2169	2194	2035	
35	1720	1829	1982	2117	2161	1967	1229
40	1571	1683	1882	2083	2107	1872	
45	1422	1535	1781	1921	1960	1732	1332
50	1237	1384	1651	1727	1718	1560	
55	1053	1227	1411	1456	1398	1330	1189
60	854	1041	1139	1214	1173	1102	
65	658	863	943	987	1002	906	899
70	451	629	791	834	991	744	
75	266	404	637	811	931	612	647
80	124	246	469	772	885	498	
85	26	142	366	718	815	412	451
90	0	87	305	583	645	325	
95	0	38	270	466	503	256	277
100	0	8	168	310	357	166	
105	0	9	121	180	185	101	109
110	0	0	66	113	89	56	
115	0	0	24	25	35	16	24
120	0	0	1	9	7	3	
125	0	0	0	8	16	4	3
130	0	0	0	2	5	1	
135	0	0	0	0	1	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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ONE ULTRASAVE 120-277V 1-LAMP ELECTRONIC BALLAST NO. PR 196120MBHT-P

AVERAGE LUMINANCE DATA

ANGLE	ALONG	CD. / SQ. M.		(FOOTLAMBERTS)		ACROSS
		22.5	45	67.5		
0	8591 (2507)	8591 (2507)	8591 (2507)	8591 (2507)		8591 (2507)
30	8228 (2401)	8205 (2394)	8224 (2400)	8605 (2511)		8642 (2522)
40	7890 (2302)	7830 (2285)	8237 (2404)	8824 (2575)		8842 (2580)
45	7705 (2248)	7585 (2213)	8231 (2402)	8525 (2488)		8639 (2521)
50	7333 (2140)	7376 (2153)	8092 (2361)	8106 (2365)		7976 (2328)
55	6949 (2028)	7126 (2079)	7479 (2182)	7320 (2136)		6964 (2032)
60	6412 (1871)	6722 (1962)	6586 (1922)	6616 (1931)		6306 (1840)
65	5775 (1685)	6301 (1839)	6078 (1774)	5930 (1730)		5949 (1736)
70	4812 (1404)	5363 (1565)	5789 (1689)	5622 (1640)		6564 (1915)
75	3656 (1067)	4157 (1213)	5434 (1586)	6288 (1835)		7100 (2072)
80	2423 (707)	3222 (940)	4868 (1420)	7092 (2070)		7951 (2320)
85	879 (256)	2595 (757)	4869 (1421)	8207 (2395)		9069 (2647)

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	.76	.76	.76	.76	.74	.74	.74	.74	.70	.70	.70	.66	.66	.66	.63	.63	.63	.63	.63	.63	.61
1	.69	.66	.63	.60	.67	.64	.61	.58	.60	.58	.56	.57	.55	.54	.54	.53	.52	.52	.52	.52	.50
2	.63	.57	.53	.49	.61	.55	.51	.48	.53	.49	.46	.50	.47	.45	.48	.45	.43	.43	.43	.43	.41
3	.57	.50	.45	.41	.55	.49	.44	.40	.47	.42	.39	.44	.41	.38	.42	.39	.37	.37	.37	.37	.35
4	.52	.44	.39	.34	.51	.43	.38	.34	.41	.37	.33	.39	.35	.32	.38	.34	.31	.31	.31	.31	.30
5	.48	.39	.33	.29	.46	.38	.33	.29	.36	.32	.28	.35	.31	.27	.33	.30	.27	.27	.27	.27	.25
6	.44	.35	.29	.25	.42	.34	.29	.25	.33	.28	.24	.31	.27	.24	.30	.26	.23	.23	.23	.23	.22
7	.40	.31	.26	.22	.39	.31	.25	.21	.29	.24	.21	.28	.24	.20	.27	.23	.20	.20	.20	.20	.19
8	.37	.28	.22	.19	.36	.27	.22	.18	.26	.21	.18	.25	.21	.18	.24	.20	.17	.17	.17	.17	.16
9	.34	.25	.20	.16	.33	.25	.19	.16	.24	.19	.16	.23	.18	.15	.22	.18	.15	.15	.15	.15	.14
10	.32	.23	.17	.14	.31	.22	.17	.14	.21	.17	.14	.21	.16	.13	.20	.16	.13	.13	.13	.13	.12

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 148.0
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST FACTORS HAVE NOT BEEN APPLIED.

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SINGLE LUMINAIRE PERFORMANCE

MOUNTING HEIGHT ABOVE WORK PLANE (FT)	INITIAL FC AT NADIR -FCN* (FC)	.1*FCN (FC)	10% LIGHTED DIAMETER* (FT)	.5*FCN (FC)	50% LIGHTED DIAMETER* (FT)
5	87.2	8.7	15.0	43.6	7.0
7	44.5	4.4	21.0	22.2	9.7
9	26.9	2.7	27.0	13.5	12.5
11	18.0	1.8	33.0	9.0	15.3
13	12.9	1.3	39.0	6.4	18.1
15	9.7	1.0	45.0	4.8	20.9
17	7.5	.8	51.1	3.8	23.6
19	6.0	.6	57.1	3.0	26.4

10% CONE ANGLE: 112.7 DEGREES
50% CONE ANGLE: 69.6 DEGREES