



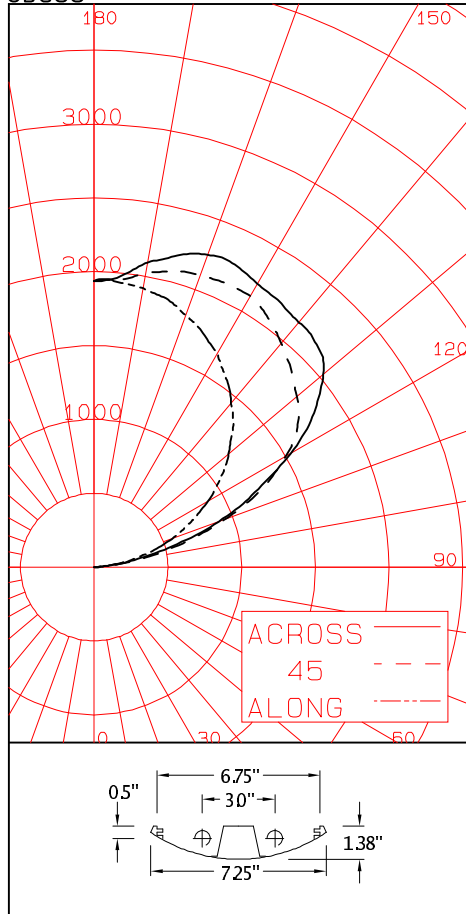
# LIGHTING SCIENCES CANADA LTD.

440 Phillip St., Unit 19, Waterloo, Ontario, Canada N2L 5R9  
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CERTIFIED TEST REPORT NO. LSCD588  
COMPUTED BY LSC PROGRAM \*\*TEST-LITE\*\*

BEGHELLI PROFILO 4FT FLUORESCENT LUMINAIRE CAT. NO. PRO4FT254WHTFUNV  
WITH SPECULAR BALLAST COVER AND WHITE PAINTED INTERIOR  
TWO 54W T5 HO FLUORESCENT LAMPS. LUMEN RATING = 4450 LMS.  
OSRAM QUICKTRONIC 120-277V 1 OR 2-LAMP ELECTRONIC BALLAST NO. QTP2x54T5HO/UNV

CD588



## CANDLEPOWER SUMMARY

OUTPUT  
LUMENS

ANGLE	ALONG	22.5	45	67.5	ACROSS	
180	1938	1938	1938	1938	1938	
175	1934	1937	1950	1977	1974	192
170	1916	1935	2024	2086	2097	
165	1884	1927	2077	2174	2185	581
160	1813	1913	2102	2232	2251	
155	1749	1890	2120	2251	2260	952
150	1667	1857	2118	2210	2215	
145	1561	1799	2059	2170	2193	1236
140	1446	1734	1975	2111	2164	
135	1335	1656	1891	2061	2132	1413
130	1191	1550	1797	1984	2030	
125	1045	1398	1687	1791	1819	1405
120	892	1248	1504	1551	1538	
115	726	1079	1257	1217	1202	1116
110	561	914	939	919	899	
105	393	667	622	576	552	617
100	222	378	323	281	277	
95	81	123	90	75	72	125
90	0	0	0	0	0	

## ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
180-150	1724	19.37	22.57
180-140	2959	33.26	38.76
180-120	5778	64.92	75.66
180-90	7636	85.81	100.00
140-90	4676	52.55	61.24
120-90	1858	20.89	24.34
0-90	0	.00	.00
0-180	7636	85.81	100.00

\*\* EFFICIENCY = 85.8% \*\*

CERTIFIED BY:

*Charles Sison*

DATE:

DEC 20, 2008

PREPARED FOR:

BEGHELLI USA  
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  
IN 2.5 DEGREE STEPS

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
180.0	1938	1938	1938	1938	1938	1938	
177.5	1953	1949	1947	1947	1946	1948	
175.0	1934	1937	1950	1977	1974	1954	192
172.5	1929	1939	1981	2033	2032	1983	
170.0	1916	1935	2024	2086	2097	2013	
167.5	1898	1930	2047	2129	2133	2030	
165.0	1884	1927	2077	2174	2185	2053	581
162.5	1851	1923	2094	2206	2226	2065	
160.0	1813	1913	2102	2232	2251	2070	
157.5	1786	1908	2112	2243	2268	2073	
155.0	1749	1890	2120	2251	2260	2066	952
152.5	1706	1872	2120	2232	2239	2049	
150.0	1667	1857	2118	2210	2215	2031	
147.5	1610	1820	2094	2189	2204	2003	
145.0	1561	1799	2059	2170	2193	1976	1236
142.5	1514	1774	2021	2133	2172	1943	
140.0	1446	1734	1975	2111	2164	1906	
137.5	1395	1697	1932	2087	2158	1873	
135.0	1335	1656	1891	2061	2132	1836	1413
132.5	1256	1608	1838	2030	2104	1789	
130.0	1191	1550	1797	1984	2030	1735	
127.5	1124	1478	1752	1898	1929	1664	
125.0	1045	1398	1687	1791	1819	1577	1405
122.5	970	1330	1610	1682	1694	1488	
120.0	892	1248	1504	1551	1538	1379	
117.5	805	1164	1383	1390	1369	1256	
115.0	726	1079	1257	1217	1202	1129	1116
112.5	642	1006	1103	1061	1067	1006	
110.0	561	914	939	919	899	876	
107.5	475	810	773	745	724	732	
105.0	393	667	622	576	552	584	617
102.5	305	522	473	408	400	439	
100.0	222	378	323	281	277	308	
97.5	143	239	190	170	171	189	
95.0	81	123	90	75	72	91	125
92.5	18	37	33	20	15	27	
90.0	0	0	0	0	0	0	

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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	.82	.82	.82	.82	.70	.70	.70	.70	.48	.48	.48	.27	.27	.27	.09	.09	.09	.09	.09	.09	.00
1	.74	.71	.68	.65	.63	.61	.58	.55	.42	.40	.39	.24	.23	.22	.08	.07	.07	.07	.07	.07	.00
2	.67	.62	.57	.53	.57	.53	.49	.45	.36	.34	.32	.21	.20	.19	.07	.06	.06	.06	.06	.06	.00
3	.62	.54	.49	.44	.52	.46	.42	.38	.32	.29	.27	.18	.17	.16	.06	.05	.05	.05	.05	.05	.00
4	.56	.48	.42	.37	.48	.41	.36	.32	.28	.25	.23	.16	.15	.13	.05	.05	.04	.04	.04	.04	.00
5	.51	.41	.36	.31	.44	.36	.31	.27	.25	.22	.19	.15	.13	.11	.05	.04	.04	.04	.04	.04	.00
6	.47	.38	.31	.27	.40	.32	.27	.23	.22	.19	.16	.13	.11	.10	.04	.04	.03	.03	.03	.03	.00
7	.43	.34	.27	.23	.37	.29	.24	.20	.20	.17	.14	.12	.10	.08	.04	.03	.03	.03	.03	.03	.00
8	.40	.30	.24	.20	.34	.26	.21	.17	.18	.15	.12	.11	.09	.07	.03	.03	.02	.02	.02	.02	.00
9	.37	.27	.21	.17	.31	.23	.19	.15	.16	.13	.11	.09	.08	.06	.03	.02	.02	.02	.02	.02	.00
10	.34	.25	.19	.15	.29	.21	.17	.13	.15	.12	.09	.09	.07	.06	.03	.02	.02	.02	.02	.02	.00

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES  
 LUMINAIRE INPUT WATTS = 123.0  
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.  
 BALLAST FACTORS HAVE NOT BEEN APPLIED.