



LUMINAIRE TESTING LABORATORY, INC.

SUSTAINING MEMBER of the IESNA

905 Harrison Street · Allentown, PA 18103 · 610-770-1044 · Fax 610-770-8912 · www.LuminaireTesting.com

LTL NUMBER: 13216

DATE: 08-04-2008

PREPARED FOR: EB FLUORESCENT COMPANY, INC.

CATALOG NUMBER: RDI 2X4 2/32

LUMINAIRE: FORMED WHITE ENAMEL STEEL HOUSING, FORMED WHITE ENAMEL STEEL REFLECTOR, FORMED WHITE ENAMEL PERFORATED STEEL SHIELD WITH TRANSLUCENT WHITE PLASTIC INSERT.

LAMPS: TWO 32 WATT T8 LINEAR FLUORESCENT LAMPS RATED AT 2850 LUMENS EACH.

LAMP CATALOG NUMBER: PHILIPS F32T8/TL841/ALTO

BALLAST: ONE UNIVERSAL LIGHTING TECHNOLOGIES B232IUNVHP-B

MOUNTING: RECESSED

TOTAL INPUT WATTS = 56.1 AT 120.0 VOLTS

THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

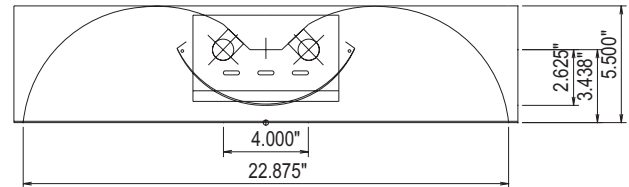
CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1055	1055	1055	1055	1055
5	1051	1050	1050	1051	1052
15	1006	1010	1018	1027	1031
25	922	933	956	980	990
35	804	824	869	909	926
45	656	692	758	814	836
55	486	541	625	689	710
65	304	376	460	457	441
75	146	206	206	218	221
85	29	35	38	39	39
90	0	0	0	0	0

FLUX

100
288
441
543
581
548
413
215
45

#13216



ZONAL LUMEN SUMMARY

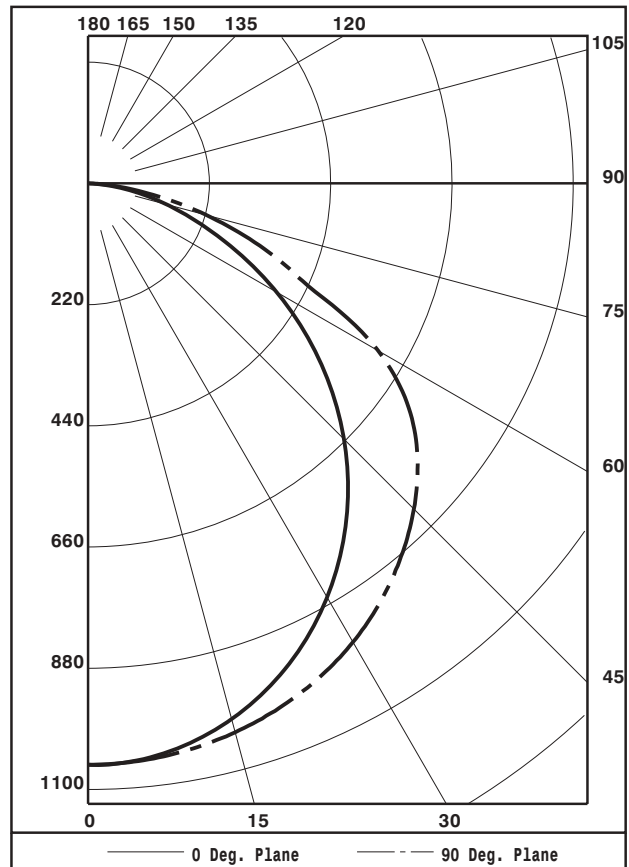
ZONE	LUMENS	%LAMP	%FIXT
0- 30	829	14.5	26.1
0- 40	1372	24.1	43.2
0- 60	2501	43.9	78.8
0- 90	3174	55.7	100.0
90-180	0	0.0	0.0
0-180	3174	55.7	100.0

TOTAL LUMINAIRE EFFICIENCY: 55.7%
 TOTAL REFLECTANCE OF PAINT: 84.8%
 CIE TYPE: DIRECT

PLANE: 0-DEG 90-DEG
 SPACING CRITERIA: 1.2 1.4
 LUMINOUS LENGTH: 47.000 23.000

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
0	1513.	1513.	1513.
45	1330.	1537.	1695.
55	1215.	1562.	1775.
65	1031.	1561.	1496.
75	809.	1141.	1224.
85	477.	625.	642.



Approved By: MG



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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD
EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80				70				50			30			10			0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	
0	66	66	66	66	65	65	65	65	62	62	62	59	59	59	57	57	57	56
1	61	59	56	54	60	57	55	53	55	53	52	53	51	50	51	50	49	48
2	56	51	48	45	54	50	47	44	48	46	43	47	44	42	45	43	41	40
3	51	45	41	38	50	45	41	37	43	40	37	41	39	36	40	38	35	34
4	47	40	36	32	45	40	35	32	38	34	31	37	34	31	36	33	30	29
5	43	35	31	27	41	35	30	27	34	30	26	33	29	26	32	28	26	25
6	39	32	27	23	38	31	26	23	30	26	23	29	25	23	28	25	22	21
7	36	28	23	20	35	28	23	20	27	23	20	26	22	20	25	22	19	18
8	33	25	21	17	32	25	20	17	24	20	17	24	20	17	23	19	17	16
9	30	23	18	15	30	22	18	15	22	18	15	21	17	15	21	17	15	13
10	28	21	16	13	27	20	16	13	20	16	13	19	15	13	19	15	13	12

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1055	1055	1055	1055	1055
5	1051	1050	1050	1051	1052
10	1034	1035	1038	1042	1044
15	1006	1010	1018	1027	1031
20	969	975	990	1006	1013
25	922	933	956	980	990
30	867	882	915	948	961
35	804	824	869	909	926
40	733	761	816	864	883
45	656	692	758	814	836
50	573	619	694	756	780
55	486	541	625	689	710
60	395	459	550	599	608
65	304	376	460	457	441
70	220	292	332	325	331
75	146	206	206	218	221
80	82	98	114	119	120
85	29	35	38	39	39
90	0	0	0	0	0

ZONAL LUMEN SUMMARY

0- 5	25.
5- 10	75.
10- 15	122.
15- 20	166.
20- 25	204.
25- 30	237.
30- 35	263.
35- 40	280.
40- 45	290.
45- 50	291.
50- 55	283.
55- 60	265.
60- 65	232.
65- 70	182.
70- 75	131.
75- 80	84.
80- 85	37.
85- 90	8.

THIS TEST WAS CONDUCTED USING RELATIVE PHOTOMETRY TECHNIQUES ACCORDING TO STANDARD IESNA PROCEDURES. THE USER MUST THEREFORE USE CAUTION IN THE FOLLOWING SITUATIONS: 1) THIS TEST WAS PERFORMED USING A SPECIFIC BALLAST/LAMP COMBINATION. EXTRAPOLATION OF THESE DATA FOR OTHER BALLAST/LAMP COMBINATIONS MAY PRODUCE ERRONEOUS RESULTS. 2) ACCORDING TO IESNA PROCEDURES, THE BALLAST(S) AND LAMP(S) ARE PRESUMED TO PRODUCE 100% OF RATED OUTPUT. AN APPROPRIATE BALLAST FACTOR MUST BE APPLIED TO THE LUMEN OUTPUT RATINGS AND LUMINOUS INTENSITY VALUES GIVEN. 3) THIS TEST WAS CONDUCTED IN A CONTROLLED LABORATORY ENVIRONMENT WHERE THE AMBIENT TEMPERATURE WAS HELD AT 25°C ±1°C. FIELD PERFORMANCE MAY DIFFER PARTICULARLY IN REGARDS TO CHANGE IN LUMINOUS OUTPUT AS A RESULT OF DIFFERENCE IN AMBIENT TEMPERATURE AND METHOD OF MOUNTING THE LUMINAIRE.