



# 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: 13002

DATE: 04-17-2008

PREPARED FOR: CORONET, INC.

CATALOG NUMBER: TDCW 2X2

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

LAMPS: TWO 40 WATT TWIN TUBE T5 FLUORESCENT LAMPS RATED AT 31500 LUMENS EACH.

LAMP CATALOG NUMBER: PHILIPS PL-L 40W/41/RS

BALLAST: ONE HOWARD INDUSTRIES EP2/40IS-TT/MV/SC

MOUNTING: RECESSED

TOTAL INPUT WATTS = 66.6 AT 120.0 VOLTS

THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

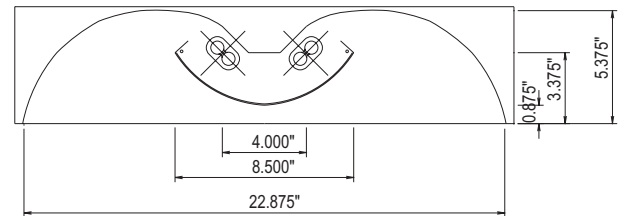
### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1172	1172	1172	1172	1172
5	1167	1164	1170	1173	1172
15	1117	1122	1132	1143	1145
25	1021	1033	1060	1086	1096
35	883	906	955	1001	1019
45	709	747	820	886	913
55	511	566	660	740	772
65	306	371	466	495	486
75	138	176	208	232	240
85	29	33	37	41	42
90	0	0	0	0	0

### FLUX

111
320
489
597
630
583
428
213
44

#13002



### ZONAL LUMEN SUMMARY

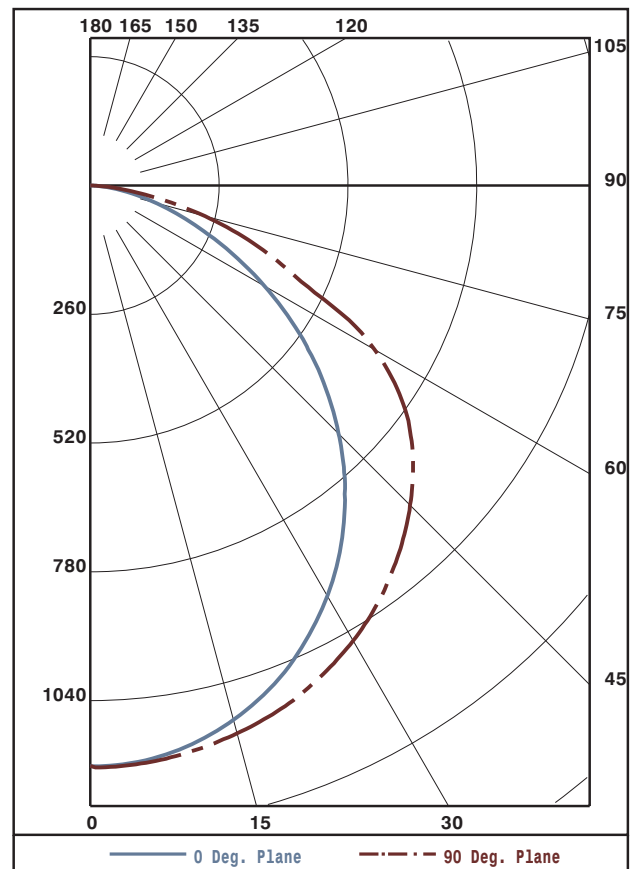
ZONE	LUMENS	%LAMP	%FIXT
0- 30	920	14.6	26.9
0- 40	1517	24.1	44.4
0- 60	2730	43.3	79.9
0- 90	3416	54.2	100.0
90-180	0	0.0	0.0
0-180	3416	54.2	100.0

TOTAL LUMINAIRE EFFICIENCY: 54.2%  
 TOTAL REFLECTANCE OF PAINT: 86.8%  
 CIE TYPE: DIRECT

PLANE: 0-DEG 90-DEG  
 SPACING CRITERIA: 1.2 1.3  
 LUMINOUS LENGTH: 23.000 22.875

### LUMINANCE IN CANDELA PER SQUARE METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
0	3453.	3453.	3453.
45	2954.	3416.	3804.
55	2624.	3390.	3965.
65	2133.	3248.	3388.
75	1571.	2367.	2732.
85	980.	1251.	1420.



Approved By: MG

THIS REPORT BASED ON LM-41 AND OTHER PERTINENT IESNA PROCEDURES.



# 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](http://www.LuminaireTesting.com)

LTL NUMBER: 13002

DATE: 04-17-2008

PREPARED FOR: CORONET, INC.

## 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	10	0
0	65	65	65	65	63	63	63	63	60	60	60	58	58	58	55	55	55	54	0
1	59	57	55	53	58	56	54	52	54	52	51	52	50	49	50	49	48	46	0
2	54	50	47	44	53	49	46	43	47	45	42	46	43	42	44	42	41	39	0
3	50	45	40	37	49	44	40	37	42	39	36	41	38	36	39	37	35	34	0
4	46	40	35	32	45	39	35	31	38	34	31	36	33	30	35	32	30	29	0
5	42	35	30	27	41	34	30	26	33	29	26	32	29	26	31	28	26	24	0
6	38	31	26	23	37	31	26	23	30	26	23	29	25	22	28	25	22	21	0
7	35	28	23	20	34	28	23	20	27	23	20	26	22	20	25	22	19	18	0
8	32	25	20	17	32	25	20	17	24	20	17	23	20	17	23	19	17	16	0
9	30	22	18	15	29	22	18	15	21	17	15	21	17	15	20	17	14	13	0
10	28	20	16	13	27	20	16	13	20	16	13	19	15	13	18	15	13	12	0

### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1172	1172	1172	1172	1172
5	1167	1164	1170	1173	1172
10	1148	1150	1155	1160	1161
15	1117	1122	1132	1143	1145
20	1075	1084	1101	1119	1125
25	1021	1033	1060	1086	1096
30	957	974	1011	1048	1061
35	883	906	955	1001	1019
40	800	830	891	947	969
45	709	747	820	886	913
50	613	660	744	818	850
55	511	566	660	740	772
60	407	470	570	640	663
65	306	371	466	495	486
70	215	273	334	347	360
75	138	176	208	232	240
80	75	90	112	121	124
85	29	33	37	41	42
90	0	0	0	0	0

### ZONAL LUMEN SUMMARY

0- 5	28.
5- 10	83.
10- 15	136.
15- 20	184.
20- 25	227.
25- 30	262.
30- 35	290.
35- 40	307.
40- 45	316.
45- 50	315.
50- 55	303.
55- 60	280.
60- 65	242.
65- 70	186.
70- 75	132.
75- 80	81.
80- 85	36.
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.