



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: 11089

DATE: 03-12-2007

PREPARED FOR: CORONET, INC.

CATALOG NUMBER: LINEAR 850

LUMINAIRE: FORMED STEEL HOUSING WITH PERFORATED BOTTOM SECTIONS, FORMED SPECULAR ALUMINUM REFLECTOR WITH 8, 3/8" X 10-7/8" SLOTS, OPEN TOP.

LAMPS: THREE 54 WATT T5 LINEAR FLUORESCENT LAMPS RATED AT 4400 LUMENS EACH.

LAMP CATALOG NUMBER: PHILIPS F54T5/850/HO/ALTO

BALLAST: ONE UNIVERSAL LIGHTING TECHNOLOGIES B454PUNV-E

NOTE: THIS TEST WAS PRORATED TO A SIX LAMP, EIGHT FOOT LUMINAIRE TEST.

THIS PRORATE IS BASED ON DATA FROM LTL TEST NUMBER 11015.

MOUNTING: PENDANT

LUMEN TO CANDELA RATIO USED = 9.18

TOTAL AS TESTED INPUT WATTS = 179.6 AT 120.0 VOLTS

TOTAL PRORATED INPUT WATTS = 359.3 AT 120.0 VOLTS

THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

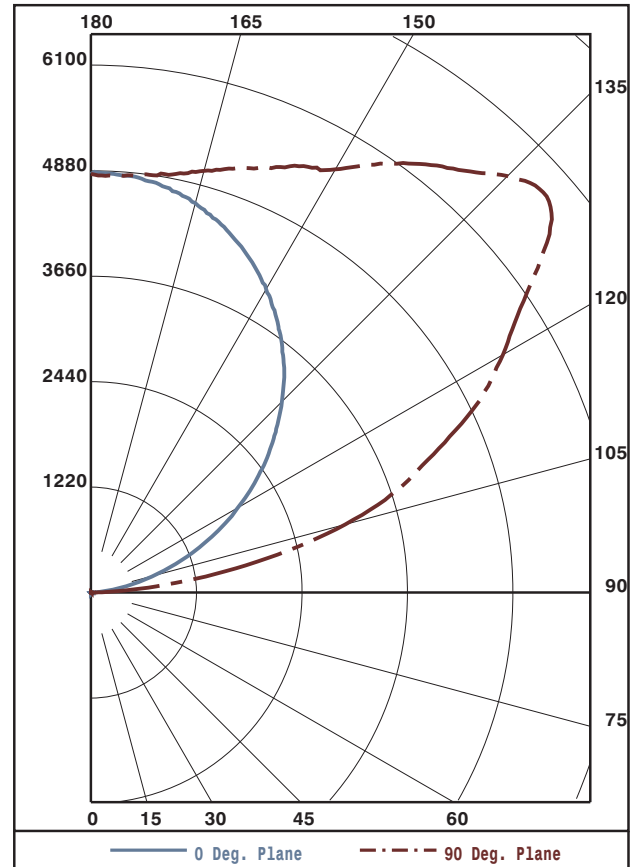
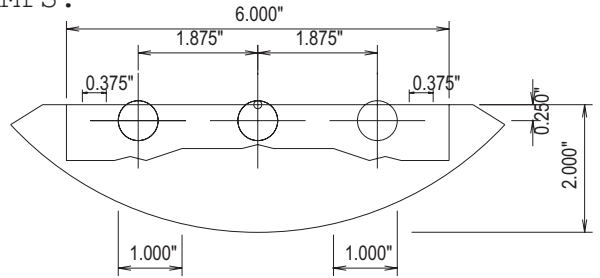
#11089

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	18	18	18	18	18
5	20	13	11	11	0
15	11	9	6	3	0
25	0	0	0	7	0
35	11	10	6	7	6
45	0	6	11	10	11
55	9	0	0	0	0
65	0	1	3	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	20	37	47	45
95	111	641	672	670	665
105	745	2150	2718	2990	3048
115	1552	2961	4252	4682	4794
125	2371	3313	5310	6174	6201
135	3125	3726	5120	6315	6813
145	3773	4097	4953	5718	6056
155	4294	4443	4891	5269	5442
165	4663	4724	4866	4994	5050
175	4839	4821	4855	4849	4845
180	4842	4842	4842	4842	4842

FLUX

1
1
0
0
5
6
2
2
0
0
689
2561
3733
4259
3897
3094
2253
1375
463



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	3	0.0	0.0
0- 40	7	0.0	0.0
0- 60	15	0.1	0.1
0- 90	17	0.1	0.1
90-120	6983	26.5	31.3
90-130	11242	42.6	50.3
90-150	18233	69.1	81.6
90-180	22324	84.6	99.9
0-180	22341	84.6	100.0

TOTAL LUMINAIRE EFFICIENCY: 84.6%

CIE TYPE: INDIRECT

PLANE: 0-DEG 90-DEG

SPACING CRITERIA: 0.6 0.0

Approved By: MG



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

Table with columns RC, RW, and rows for angles 80, 70, 50, 30, 10, 0. Each cell contains numerical values representing coefficients of utilization.

PLANE: 0-DEG 90-DEG
LUMINOUS LENGTH: 87.000 1.875
HEIGHT OF SIDE: 0.000 0.250

Table with columns ANGLE IN DEG, AVERAGE 0-DEG, AVERAGE 45-DEG, AVERAGE 90-DEG. Values represent luminance in candela per square meter.



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CANDELA DISTRIBUTION

Table with 6 columns representing candela values at different angles (0.0, 22.5, 45.0, 67.5, 90.0) for various luminaire heights from 0 to 180.

ZONAL LUMEN SUMMARY

Table with 2 columns representing zonal lumen values for height ranges from 0-5 to 175-180.

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.