



LTL NUMBER: 07852

DATE: 12-16-2003

PREPARED FOR: SIM-KAR LIGHTING

CATALOG NUMBER: ADJUST-632

LUMINAIRE: FORMED STEEL HOUSING WITH CAST ALUMINUM ENDS, FORMED SPECULAR ALUMINUM REFLECTORS, NO ENCLOSURE. LAMPS IN LOW POSITION.

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

LAMP CATALOG NUMBER: PHILIPS F32T8/TL841

BALLAST: ONE MAGNETEK B232I120RH AND ONE ADVANCE REL-4P32-RH-TP

LER: 84.1 BASED ON A MEASURED BALLAST FACTOR OF 84.9%

MOUNTING: PENDENT

LUMEN TO CANDELA RATIO USED = 9.18

TOTAL INPUT WATTS =164.5 AT 120.0 VOLTS

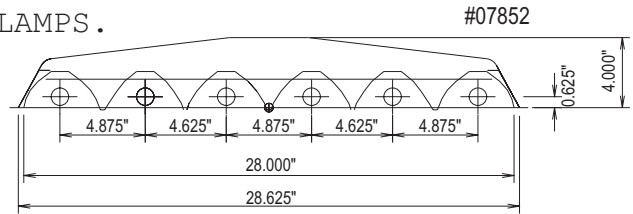
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	3350	3350	3350	3350	3350
5	3345	3391	3504	3615	3657
15	3217	3676	4355	4844	5025
25	2981	3977	5182	5720	5874
35	2624	4164	5328	5950	6004
45	2172	4067	4986	4914	4868
55	1645	3535	3714	3526	3378
65	1097	2465	2156	1932	1893
75	564	1097	938	837	785
85	132	156	112	94	91
90	0	0	0	0	0

FLUX

344
1213
2232
3080
3366
2954
2002
951
149



ZONAL LUMEN SUMMARY

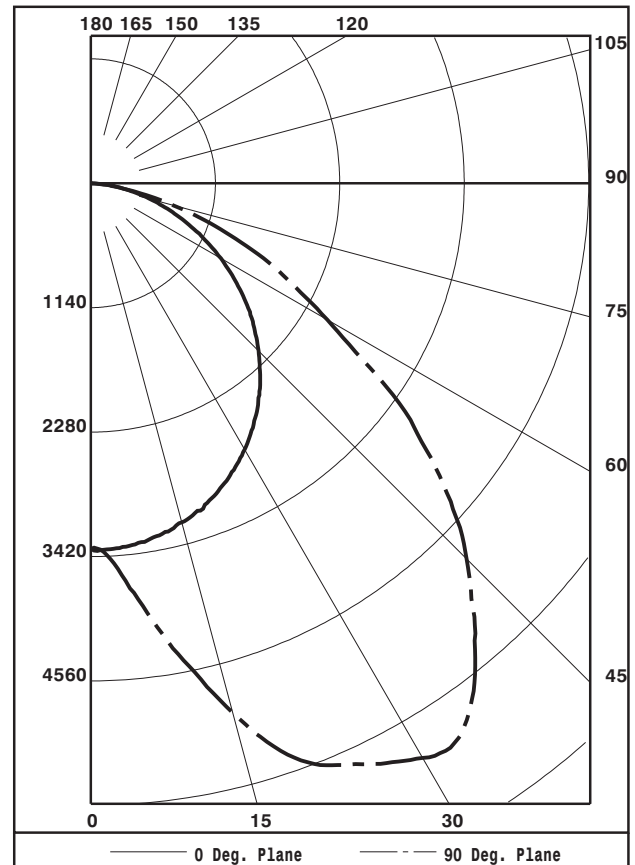
ZONE	LUMENS	%LAMP	%FIXT
0- 30	3789	22.2	23.3
0- 40	6868	40.2	42.2
0- 60	13188	77.1	81.0
0- 90	16291	95.3	100.0
90-180	0	0.0	0.0
0-180	16291	95.3	100.0

TOTAL LUMINAIRE EFFICIENCY: 95.3%

CIE TYPE: DIRECT
 PLANE: 0-DEG 90-DEG
 SPACING CRITERIA: 1.2 2.0
 LUMINOUS LENGTH: 48.125 28.625

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
0	3769.	3769.	3769.
45	3456.	7933.	7745.
55	3227.	7285.	6626.
65	2920.	5740.	5039.
75	2452.	4077.	3412.
85	1704.	1446.	1175.



TESTED BY HERSCHEL SCHRECK
 CHECKED BY MIKE GRATHER



LTL NUMBER: 07852

DATE: 12-16-2003

PREPARED FOR: SIM-KAR LIGHTING

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

Table with 11 columns (RC, RW, 80, 70, 50, 30, 10, 0) and 11 rows (0-10) showing utilization coefficients.

CANDELA DISTRIBUTION

Table with 6 columns (0.0, 22.5, 45.0, 67.5, 90.0) and 13 rows (0-90) showing candela values.

ZONAL LUMEN SUMMARY

Table with 2 columns (0-5, 5-10, 10-15, 15-20, 20-25, 25-30, 30-35, 35-40, 40-45, 45-50, 50-55, 55-60, 60-65, 65-70, 70-75, 75-80, 80-85, 85-90) and 17 rows showing lumen values.

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.