



LTL NUMBER: 07851

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 MEDIUM 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 =163.9 AT 120.0 VOLTS

THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

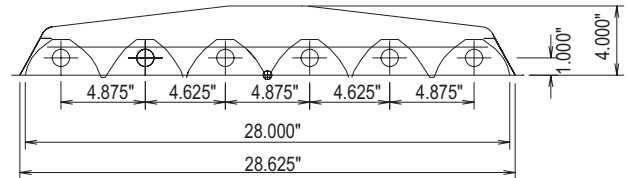
#07851

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	6023	6023	6023	6023	6023
5	6015	6047	6161	6274	6302
15	5791	6204	6529	6710	6748
25	5355	6017	6443	6644	6661
35	4727	5511	5845	5623	5486
45	3928	4800	4512	3592	3178
55	2981	3602	2393	2110	2014
65	1957	1954	1299	1023	917
75	950	662	334	159	126
85	149	12	0	0	0
90	0	0	0	0	0

FLUX

595
1820
2892
3449
3169
2379
1413
471
39



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	5307	31.0	32.7
0- 40	8756	51.2	54.0
0- 60	14304	83.7	88.1
0- 90	16228	94.9	100.0
90-180	0	0.0	0.0
0-180	16228	94.9	100.0

TOTAL LUMINAIRE EFFICIENCY: 94.9%

CIE TYPE: DIRECT

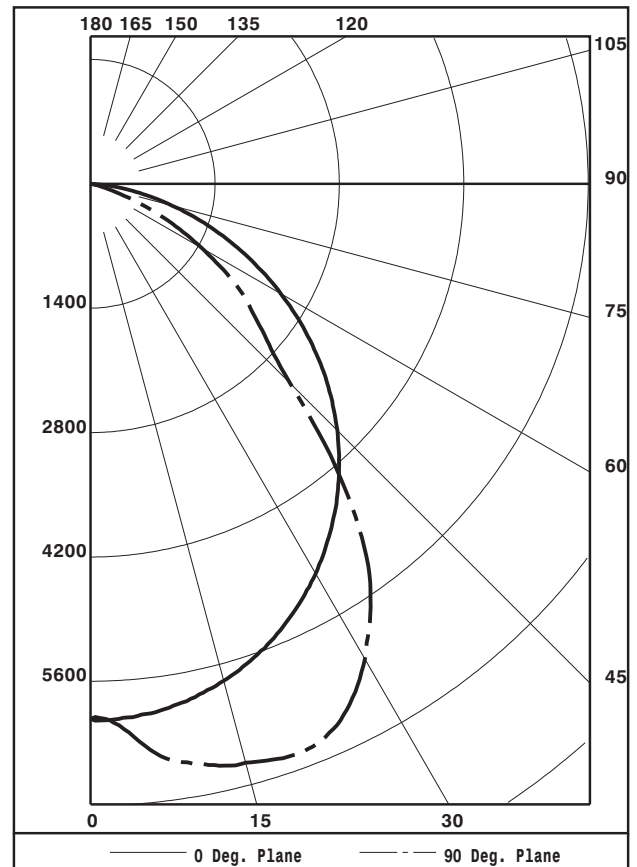
PLANE: 0-DEG 90-DEG

SPACING CRITERIA: 1.2 1.4

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	6776.	6776.	6776.
45	6250.	7179.	5057.
55	5847.	4694.	3950.
65	5210.	3458.	2441.
75	4130.	1452.	548.
85	1923.	0.	0.



TESTED BY HERSCHEL SCHRECK
 CHECKED BY MIKE GRATHER



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

Table with columns RC, RW, and rows for cavity heights 80, 70, 50, 30, 10, 0. Each row contains 15 numerical values representing utilization coefficients.

CANDELA DISTRIBUTION

Table with 6 columns representing candela values at different angles (0.0, 22.5, 45.0, 67.5, 90.0) for various heights (0 to 90).

ZONAL LUMEN SUMMARY

Table with 3 columns representing zonal lumen values for height ranges (0-5, 5-10, 10-15, etc.) up to 85-90.

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.