



LTL NUMBER: 08040

DATE: 03-26-2004

PREPARED FOR: ADAM METAL PRODUCTS

CATALOG NUMBER: 32WT8 (HIGH BAY FIXTURE)

LUMINAIRE: FORMED STEEL HOUSING, FORMED SPECULAR ALUMINUM REFLECTORS WITH 7, 3/8" X 4" SLOTS ABOVE EACH LAMP, NO ENCLOSURE.

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

LAMP CATALOG NUMBER: PHILIPS F32T8/TL841

BALLAST: ONE WORKHORSE WH8-120-L

MOUNTING: PENDENT

LUMEN TO CANDELA RATIO USED = 9.18

TOTAL INPUT WATTS = 228.3 AT 120.0 VOLTS

THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

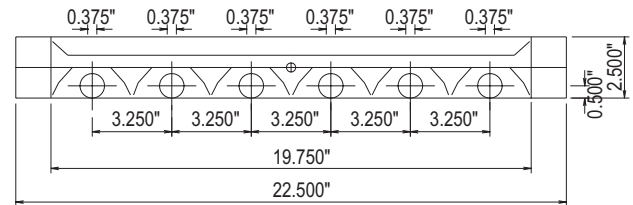
#08040

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	4758	4758	4758	4758	4758
5	4734	4775	4832	4861	4861
15	4555	4714	4746	4748	4751
25	4213	4390	4540	4977	5116
35	3714	3893	4641	4795	4728
45	3090	3533	3943	3697	3652
55	2368	3056	2818	2733	2780
65	1580	1957	1938	1877	1770
75	780	1001	890	917	925
85	124	226	273	298	305
90	4	6	12	12	12
95	18	17	18	14	9
105	92	23	22	18	16
115	169	105	26	16	16
125	243	209	111	46	29
135	311	294	222	158	135
145	365	353	319	276	255
155	406	400	388	368	358
165	436	435	429	422	420
175	449	450	448	446	447
180	451	451	451	451	451

FLUX

	460
15	1336
25	2147
35	2740
45	2808
55	2501
65	1832
75	971
85	281
90	15
95	33
105	61
115	113
125	172
135	196
145	177
155	120
165	43
175	
180	



ZONAL LUMEN SUMMARY

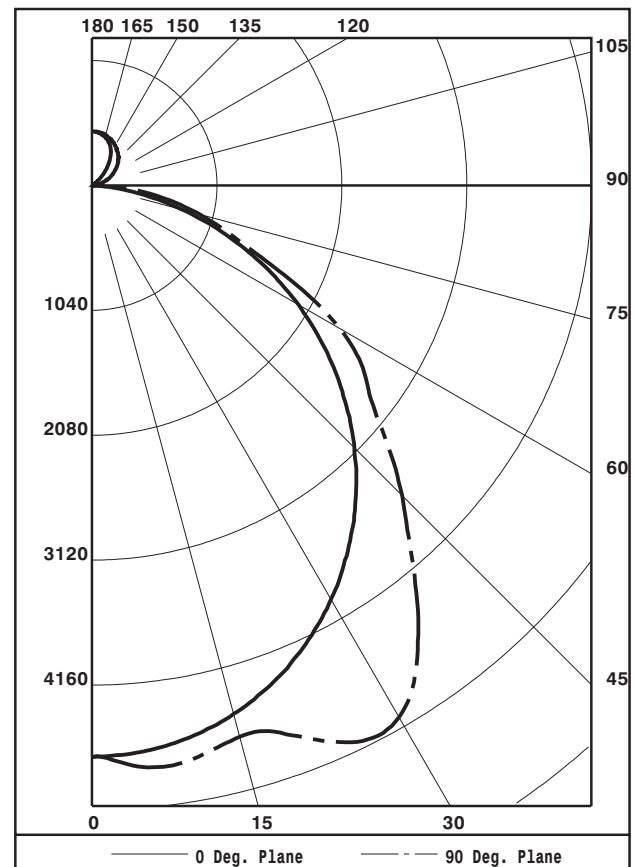
ZONE	LUMENS	%LAMP	%FIXT
0- 30	3942	23.1	24.6
0- 40	6682	39.1	41.7
0- 60	11991	70.1	74.9
0- 90	15075	88.2	94.2
90-120	109	0.6	0.7
90-130	222	1.3	1.4
90-150	591	3.5	3.7
90-180	931	5.4	5.8
0-180	16006	93.6	100.0

TOTAL LUMINAIRE EFFICIENCY: 93.6%

CIE TYPE: DIRECT

PLANE: 0-DEG 90-DEG

SPACING CRITERIA: 1.2 1.5



TESTED BY HERSCHEL SCHRECK
CHECKED BY MIKE GRATHER



LUMINAIRE TESTING LABORATORY, INC.



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

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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.

PLANE: 0-DEG 90-DEG
LUMINOUS LENGTH: 48.000 19.750

LUMINANCE IN CANDELA PER SQUARE METER

Table with 4 columns (ANGLE IN DEG, AVERAGE 0-DEG, AVERAGE 45-DEG, AVERAGE 90-DEG) and 6 rows (0, 45, 55, 65, 75, 85) showing average luminance values.



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CANDELA DISTRIBUTION

Table with 6 columns of candela values for various angles from 0.0 to 180 degrees.

ZONAL LUMEN SUMMARY

Table with 2 columns: Zonal angle ranges and corresponding 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.