



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: 16399

DATE: 08-28-2009

PREPARED FOR: LEOTEK ELECTRONICS CORPORATION

CATALOG NUMBER: LSF1-036-MV-CW-5S-XX (XX IS THE FINISH COLOR: NUMERICAL NO. FROM 1-9 AND ALPHA NO. FROM A-Z TO DEFINE DIFFERENT FINISH COLOR) .

LUMINAIRE: CAST ALUMINUM AND FORMED STEEL HOUSING, WHITE PLASTIC REFLECTOR, CLEAR PRISMATIC PLASTIC LENS.

LAMP: 36 WHITE LEDS

LED POWER SUPPLY: ONE LEOTEK ELECTRONICS MODEL LP1040-22-C1750

ELECTRICAL VALUES: 120.0VAC, 0.2812A, 33.21W, PF=0.984

LUMINAIRE EFFICACY: 72.8 LUMENS/WATT

NOTE: THIS TEST WAS PERFORMED USING THE CALIBRATED PHOTODETECTOR METHOD OF ABSOLUTE PHOTOMETRY.*



13.500

IES CLASSIFICATION: AREA LIGHT
CUTOFF CLASSIFICATION: FULL-CUTOFF**

**CUTOFF DESIGNATION IS NOT DEFINED FOR ABSOLUTE PHOTOMETRIC TESTS. THIS CUTOFF RATING IS BASED ON THE MAXIMUM CANDELA READING PER LUMINAIRE RATED AT 1000 LUMENS.



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FLUX DISTRIBUTION

LUMENS	DOWNWARD	UPWARD	TOTALS
HOUSE SIDE	1208.29	0.00	1208.29
STREET SIDE	1208.29	0.00	1208.29
TOTALS	2416.57	0.00	2416.57

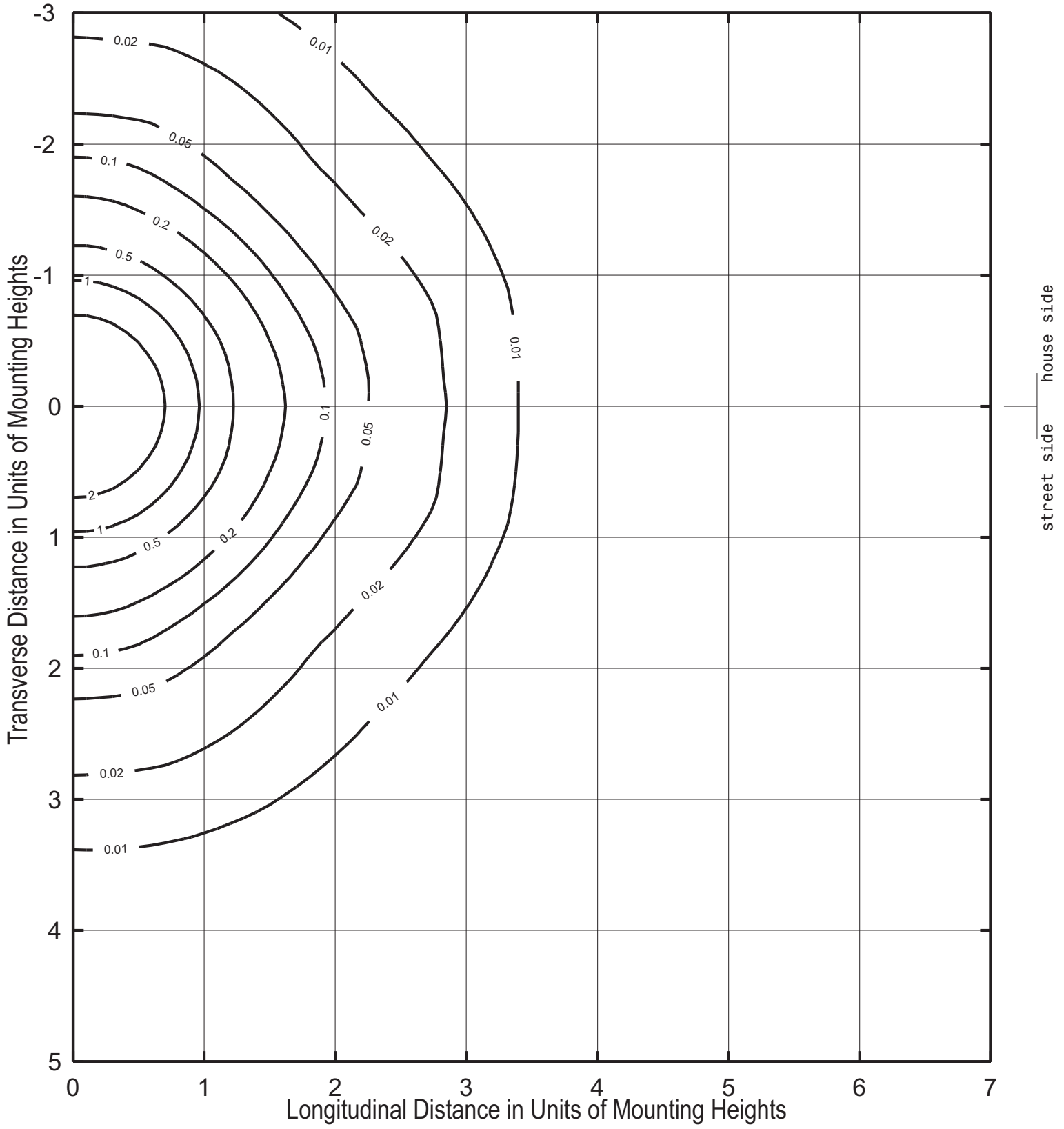
Approved By: MG

*DATA WAS ACQUIRED USING THE CALIBRATED PHOTODETECTOR METHOD OF ABSOLUTE PHOTOMETRY. A UDT MODEL #211 PHOTODETECTOR AND UDT MODEL #S370 OPTOMETER COMBINATION WERE USED AS A STANDARD. A SPECTRAL MISMATCH CORRECTION FACTOR WAS EMPLOYED BASED ON THE SPECTRAL RESPONSIVITY OF THE PHOTODETECTOR AND THE SPECTRAL POWER DISTRIBUTION OF THE TEST SUBJECT.

TESTING WAS PERFORMED IN ACCORDANCE WITH IES LM-79-08.
TEST ANGULAR INCREMENTS AND REPORT FORMATTING WAS BASED ON IES LM-31-95.



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION VALUES BASED ON 15.00 FOOT MOUNTING HEIGHT



PROJECTION OF HALF-MAX CANDELA CONTOUR

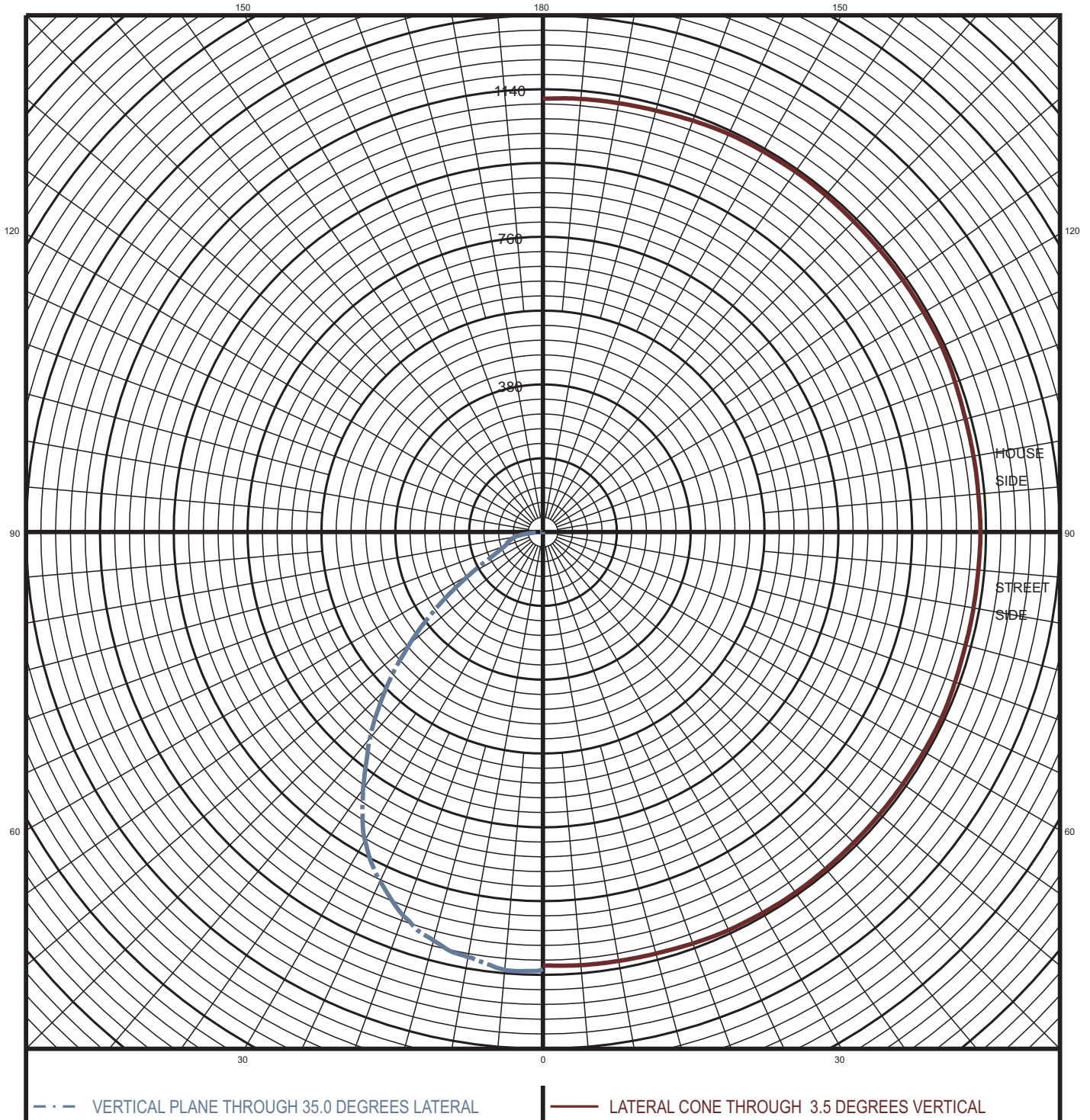


CANDELA DISTRIBUTION

	0	5	15	25	35	45	55	65	75	85	90
180	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0	0
87.5	7	8	10	8	7	6	4	3	2	2	2
85	36	36	39	35	35	37	34	29	28	26	24
82.5	51	53	56	52	56	62	59	52	51	46	45
80	63	65	70	67	73	75	76	71	67	60	59
77.5	75	77	82	83	82	81	83	88	81	76	71
75	88	92	94	95	91	87	90	96	95	91	88
72.5	106	106	107	104	97	92	94	102	111	108	109
70	123	122	126	116	104	95	98	112	130	126	128
67.5	144	144	150	133	118	107	112	129	152	152	150
65	176	176	177	157	139	133	138	154	179	186	184
62.5	218	217	212	188	173	170	176	190	215	229	229
60	265	264	254	228	216	213	221	235	257	276	276
57.5	313	315	299	277	267	264	274	289	303	320	325
55	364	364	353	334	326	321	332	347	357	367	365
52.5	412	413	406	396	386	383	393	404	410	408	409
50	459	462	461	456	448	445	452	461	460	455	455
47.5	508	510	516	517	511	505	509	514	512	510	505
45	560	567	572	574	572	568	569	569	572	567	569
40	691	693	692	693	693	689	689	689	694	695	697
35	811	814	811	813	807	806	802	814	813	818	821
30	912	913	912	920	916	917	912	918	915	916	918
25	983	985	987	990	992	996	989	991	993	990	995
20	1035	1048	1045	1045	1051	1050	1051	1050	1048	1053	1059
15	1070	1078	1084	1088	1088	1085	1090	1093	1088	1095	1098
10	1099	1098	1096	1106	1111	1109	1106	1108	1103	1103	1105
5	1116	1114	1119	1129	1132	1129	1128	1131	1125	1125	1126
3.5	1116	1119	1123	1131	1133	1131	1130	1132	1125	1124	1126
0	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125



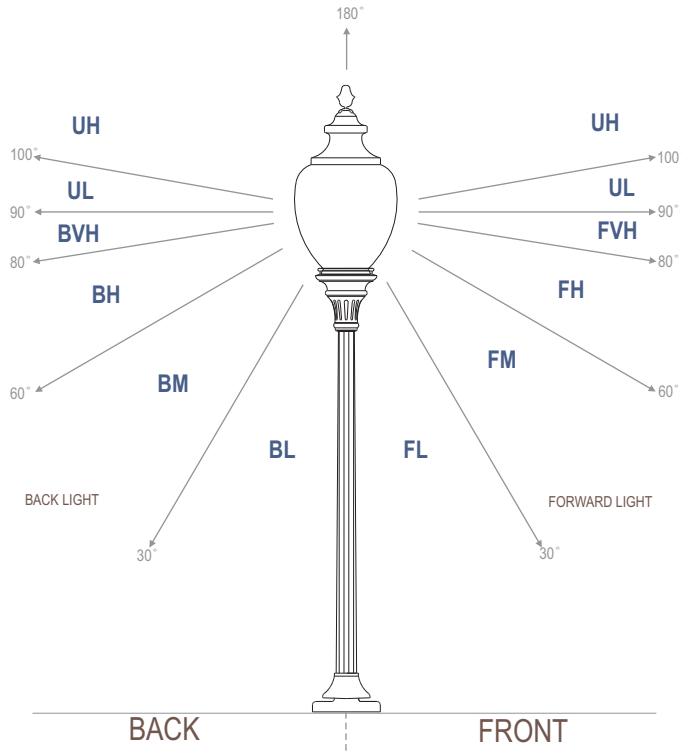
MAXIMUM PLANE AND CONE PLOTS OF CANDELA





FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

FLUX



ZONE	LUMINAIRE LUMENS	% OF LUMINAIRE LUMENS
FORWARD LIGHT	1208	50
FL (0° -30°)	434	18
FM (30° -60°)	626	25.9
FH (60° -80°)	131	5.4
FVH (80° -90°)	17	0.7

BACK LIGHT	1208	50
BL (0° -30°)	434	18
BM (30° -60°)	626	25.9
BH (60° -80°)	131	5.4
BVH (80° -90°)	17	0.7

UPLIGHT	0	0
UL (90° -100°)	0	0
UH (100° -180°)	0	0

TRAPPED LIGHT	NA	NA
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