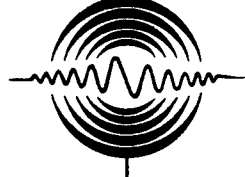


BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

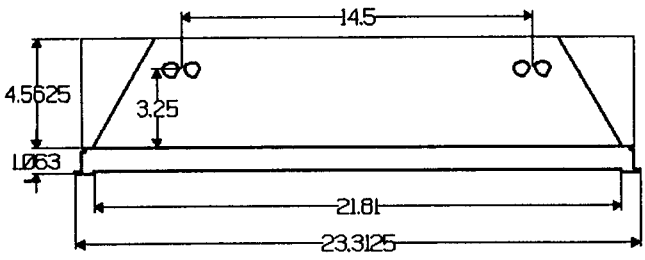
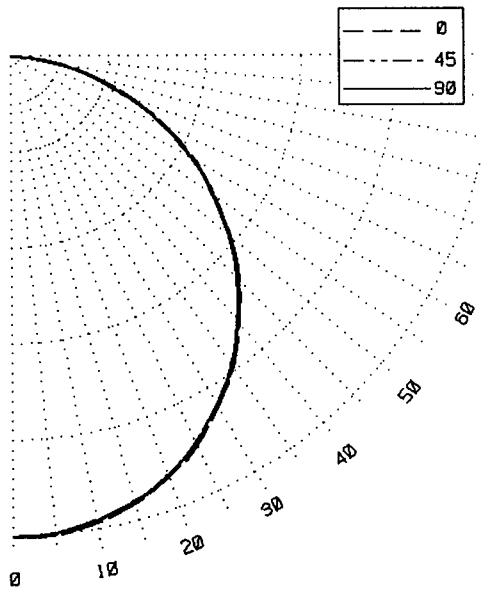
1618 HEADLAND DR.
 FENTON, MO 63026
 (636) - 343-6006
 (636) - 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 13323.0 DATE 11/03/06
 PREPARED FOR: MARK ARCHITECTURAL LIGHTING - EDISON, NJ
 DESCRIPTION: 2/40W BIAX LAMP 2x2'RECESSED DIRECT LUMINAIRE w/WHITE REFL
 CLEAR INTERIOR/WHITE EXTERIOR PVC MEMBRANE PANEL DOOR
 ADVANCE BALLAST #RCN-2TTP40-SC WATTS=69 REFL=85%
 CATALOG NBR: VEIL-VL22-240BX
 LAMP TYPE : FT40W/2G11/35 RATED LUMENS 3150. NBR. LAMPS:- 2

CANDLEPOWER DISTRIBUTION

VERT ANG	HORIZONTAL ANGLE					ZONAL LUMENS
	0	22.5	45	67.5	90	
0	969.	969.	969.	969.	969.	
5	970.	968.	966.	966.	966.	92.3
10	956.	954.	951.	952.	950.	
15	935.	933.	931.	931.	930.	264.2
20	906.	904.	903.	903.	901.	
25	871.	867.	863.	862.	865.	400.4
30	820.	819.	815.	816.	815.	
35	770.	767.	765.	762.	764.	480.7
40	707.	703.	704.	702.	701.	
45	644.	641.	641.	640.	636.	496.0
50	573.	570.	569.	564.	566.	
55	496.	495.	495.	492.	490.	443.0
60	424.	423.	419.	414.	415.	
65	342.	342.	339.	336.	332.	336.0
70	263.	257.	254.	252.	250.	
75	183.	181.	178.	175.	172.	188.2
80	110.	108.	107.	101.	99.	
85	44.	42.	44.	39.	38.	45.3
90	0.	0.	0.	0.	0.	



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LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	757.	12.0	27.6	90-120	0.	.0	.0
0- 40	1238.	19.6	45.1	90-130	0.	.0	.0
0- 60	2177.	34.5	79.3	90-150	0.	.0	.0
0- 90	2746.	43.6	100.0	90-180	0.	.0	.0
TOTAL LUMINAIRE = 0-180					2746.	43.6	100.0

IES SPACING CRITERIA: END= 1.3 DIAGONAL = 1.3 CROSS= 1.3

SIGNIFICANCE OF THE TEST IS LIMITED TO THE DEGREE THAT THE TESTED SAMPLE IS REPRESENTATIVE. OTHER FACTORS AFFECT FIELD PERFORMANCE.

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VERT ANGLE	LUMINANCES-CD/SQ-M HORIZONTAL ANGLE		
	0	45	90
45	2944.	2931.	2908.
55	2796.	2790.	2762.
65	2616.	2593.	2540.
75	2286.	2223.	2148.
85	1632.	1632.	1409.

MAXIMUM BRIGHTNESSES NOT MEASURED

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

EFFECTIVE FLOOR CAVITY REFLECTANCE=.20

CEILING	.80		.70		.50		.30		.10		.00							
WALL	.70	.50	.30	.10	.70	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10	.00
RCR																		
0	.52	.52	.52	.52	.51	.51	.51	.51	.48	.48	.48	.46	.46	.46	.44	.44	.44	.44
1	.48	.46	.44	.43	.47	.45	.43	.42	.43	.42	.41	.41	.40	.39	.40	.39	.38	.37
2	.44	.40	.38	.35	.43	.40	.37	.35	.38	.36	.34	.37	.35	.33	.35	.34	.32	.32
3	.40	.36	.32	.30	.39	.35	.32	.29	.34	.31	.29	.33	.30	.28	.32	.30	.28	.27
4	.37	.32	.28	.25	.36	.31	.28	.25	.30	.27	.25	.29	.27	.24	.28	.26	.24	.23
5	.34	.28	.24	.21	.33	.28	.24	.21	.27	.24	.21	.26	.23	.21	.25	.23	.21	.20
6	.31	.25	.21	.19	.30	.25	.21	.18	.24	.21	.18	.23	.20	.18	.23	.20	.18	.17
7	.28	.23	.19	.16	.28	.22	.19	.16	.22	.18	.16	.21	.18	.16	.20	.18	.16	.15
8	.26	.20	.17	.14	.25	.20	.16	.14	.19	.16	.14	.19	.16	.14	.18	.16	.14	.13
9	.24	.18	.14	.12	.23	.18	.14	.12	.17	.14	.12	.17	.14	.12	.16	.14	.12	.11
10	.22	.16	.13	.11	.22	.16	.13	.11	.16	.13	.11	.15	.12	.10	.15	.12	.10	.10

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES