BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

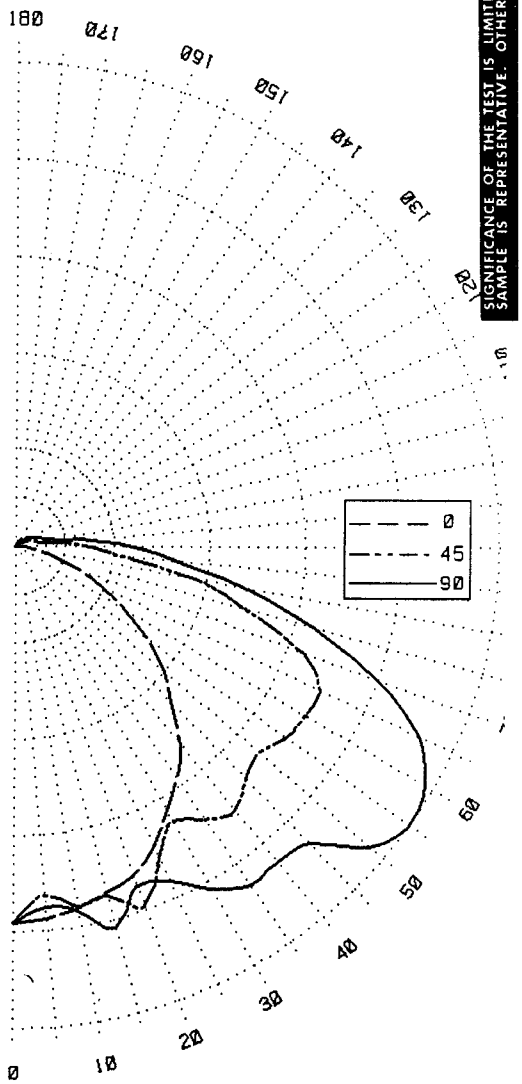
1618 HEADLAND DR.
FENTON, MO 63026
(636) - 343-6006
(636) - 343-6051 FAX

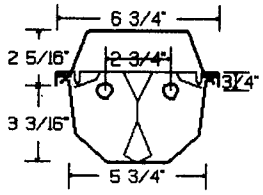
SIGNIFICANCE OF THE TEST IS LIMITED TO THE DEGREE THAT THE TESTED SAMPLE IS REPRESENTATIVE. OTHER FACTORS AFFECT FIELD PERFORMANCE.

BALLABS CERTIFIED TEST REPORT NO.: 16283.1 DATE 08/03/11
PREPARED FOR: SCIENTIFIC LIGHTING PRODUCTS, INC - FENTON, MO
DESCRIPTION: 2/54W T5HO 51.5x6x3.5"SUSPEND ENCLOSED/GASKETED LUMINAIR
WIDE DISTRIBUTION MIRO4 REFLECTORw/CLEAR ACRYLIC DROP LEN
ADVANCE BALLAST #ICN-2S54-90C WATTS=98.6 REFL=86%
CATALOG NBR: CT2-HV5-2L54W-Clear-LIRA-RF-W
LAMP TYPE : FP54T5HO/835 RATED LUMENS 5000. NBR. LAMPS:- 2

CANDLEPOWER DISTRIBUTION

VERT ANG	HORIZONTAL ANGLE 0	22.5	45	67.5	90	ZONAL LUMENS
0	1545.	1545.	1545.	1545.	1545.	
5	1532.	1468.	1435.	1462.	1482.	140.1
10	1505.	1422.	1496.	1506.	1517.	
15	1484.	1438.	1490.	1591.	1600.	429.6
20	1433.	1404.	1569.	1480.	1500.	
25	1359.	1356.	1408.	1413.	1509.	649.3
30	1246.	1303.	1292.	1551.	1614.	
35	1157.	1272.	1359.	1604.	1691.	888.6
40	1057.	1073.	1409.	1591.	1681.	
45	897.	905.	1343.	1577.	1711.	993.0
50	799.	894.	1305.	1748.	1904.	
55	662.	883.	1355.	1851.	1980.	1213.6
60	516.	766.	1376.	1801.	1947.	
65	396.	663.	1381.	1757.	1830.	1219.5
70	270.	666.	1255.	1476.	1587.	
75	168.	569.	978.	1196.	1270.	915.6
80	92.	416.	759.	910.	961.	
85	52.	266.	436.	590.	666.	450.1
90	32.	152.	304.	421.	480.	
95	2.	61.	185.	283.	312.	187.1
100	8.	52.	101.	149.	167.	
105	10.	40.	80.	110.	120.	78.2
110	11.	28.	71.	92.	103.	
115	10.	21.	58.	78.	88.	51.0
120	7.	13.	41.	70.	75.	
125	7.	11.	32.	55.	64.	29.9
130	10.	13.	28.	44.	52.	
135	8.	13.	22.	32.	38.	17.5
140	13.	13.	22.	31.	34.	
145	15.	18.	22.	30.	31.	14.5
150	15.	18.	18.	24.	24.	
155	19.	19.	19.	22.	22.	9.1
160	18.	18.	18.	18.	18.	
165	0.	0.	0.	0.	0.	.0
170	0.	0.	0.	0.	0.	
175	0.	0.	0.	0.	0.	.0
180	0.	0.	0.	0.	0.	





LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	1219.	12.2	16.7	90-120	316.	3.2	4.3
0- 40	2108.	21.1	28.9	90-130	346.	3.5	4.8
0- 60	4314.	43.1	59.2	90-150	378.	3.8	5.2
0- 90	6899.	69.0	94.7	90-180	387.	3.9	5.3
TOTAL LUMINAIRE =				0-180	7287.	72.9	100.0

IES SPACING CRITERIA: END= 1.2 DIAGONAL = 1.3 CROSS= 1.6

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LUMINANCES-CD/SQ-M
HORIZONTAL ANGLE

VERT ANGLE	0	45	90
45	6375.	6030.	7682.
55	5799.	6480.	9466.
65	4708.	7298.	9667.
75	3263.	5980.	7763.
85	2972.	3280.	5008.

MAXIMUM BRIGHTNESSES NOT MEASURED

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ZONAL CAVITY COEFFICIENTS OF UTILIZATION

EFFECTIVE FLOOR CAVITY REFLECTANCE=.20

CEILING	.80				.70				.50				.30				.10		.00
WALL RCR	.70	.50	.30	.10	.70	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10	.00
0	.86	.86	.86	.86	.83	.83	.83	.83	.79	.79	.79	.75	.75	.75	.71	.71	.71	.69
1	.77	.72	.69	.65	.74	.70	.67	.64	.66	.64	.61	.63	.61	.58	.60	.58	.56	.54
2	.69	.62	.56	.51	.66	.60	.54	.50	.56	.52	.48	.53	.50	.46	.51	.47	.45	.43
3	.62	.53	.46	.41	.60	.52	.45	.40	.49	.44	.39	.46	.42	.38	.44	.40	.37	.35
4	.56	.46	.39	.34	.54	.45	.38	.33	.43	.37	.32	.40	.35	.31	.38	.34	.31	.29
5	.51	.40	.33	.27	.49	.39	.32	.27	.37	.31	.26	.35	.30	.26	.33	.29	.25	.23
6	.46	.35	.28	.23	.44	.35	.28	.23	.33	.27	.22	.31	.26	.22	.29	.25	.21	.19
7	.42	.32	.25	.20	.41	.31	.24	.19	.29	.23	.19	.28	.22	.19	.26	.22	.18	.17
8	.39	.28	.21	.17	.37	.27	.21	.17	.26	.20	.16	.25	.20	.16	.24	.19	.15	.14
9	.36	.25	.19	.14	.34	.25	.18	.14	.23	.18	.14	.22	.17	.14	.21	.17	.13	.12
10	.33	.23	.17	.13	.32	.22	.16	.12	.21	.16	.12	.20	.15	.12	.19	.15	.12	.10

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES