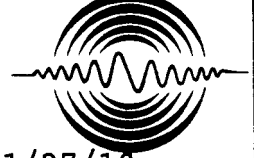


BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

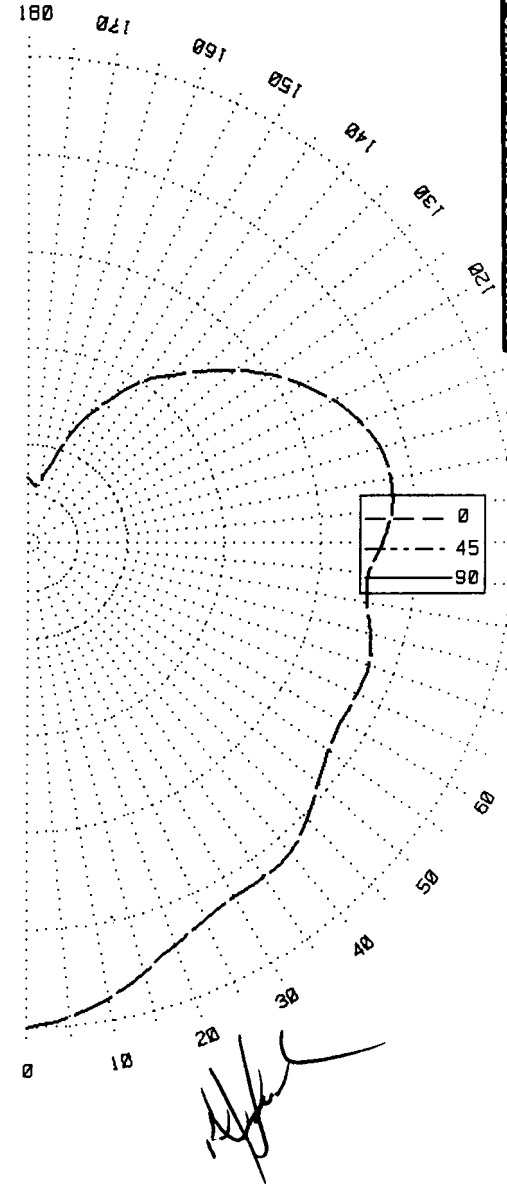
1618 HEADLAND DR.
 FENTON, MO 63026
 (636) - 343-6006
 (636) - 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 15172.0 DATE 01/27/10
 PREPARED FOR: SPECTRUM LIGHTING - FALL RIVER, MA
 DESCRIPTION: 9/36-39W BIAx LAMP 25"DIA AREA HIGHBAY LUMINAIRE
 LEXALITE ACRYLIC REFRACTOR/ REFLECTOR w/DROP BOTTOM LENS
 3 ADVANCE #VEZ-2TTS40-SC & ADVANCE VEZ-1TTS40-SC WATTS=323
 CATALOG NBR: PROCT25BX936EX/VT/NM3/GW
 LAMP TYPE : FT36-39W/2G11/835/R RATED LUMENS 2850. NBR. LAMPS:- 9

CANDLEPOWER DISTRIBUTION

VERT ANG	AVERAGE CANDELA	ZONAL LUMENS
0	2644.	
5	2594.	247.6
10	2523.	
15	2427.	687.8
20	2332.	
25	2268.	1049.7
30	2234.	
35	2229.	1400.0
40	2220.	
45	2146.	1661.9
50	2058.	
55	1997.	1791.5
60	1969.	
65	1976.	1961.8
70	1976.	
75	1933.	2044.4
80	1873.	
85	1861.	2030.1
90	1925.	
95	1987.	2167.4
100	2003.	
105	1979.	2093.2
110	1916.	
115	1828.	1814.4
120	1715.	
125	1593.	1429.4
130	1462.	
135	1319.	1021.6
140	1188.	
145	1073.	674.2
150	920.	
155	764.	353.8
160	588.	
165	415.	117.7
170	326.	
175	317.	30.3
180	350.	



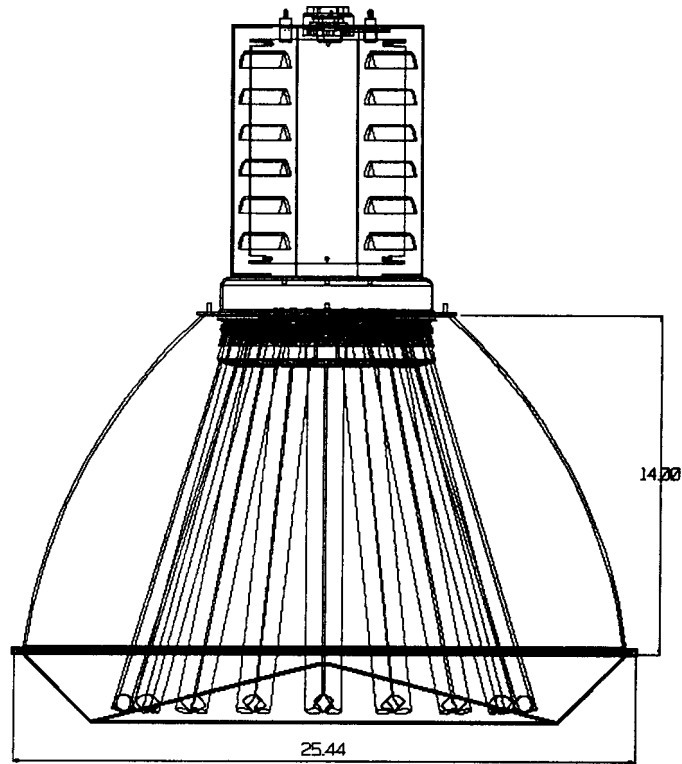
SIGNIFICANCE OF THE TEST IS LIMITED TO THE DEGREE THAT THE TESTED SAMPLE IS REPRESENTATIVE. OTHER FACTORS AFFECT FIELD PERFORMANCE.

LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	1985.	7.7	8.8	90-120	6075.	23.7	26.9
0- 40	3385.	13.2	15.0	90-130	7504.	29.3	33.2
0- 60	6839.	26.7	30.3	90-150	9200.	35.9	40.8
0- 90	12875.	50.2	57.0	90-180	9702.	37.8	43.0
TOTAL LUMINAIRE =				0-180	22577.	88.0	100.0

IES SPACING CRITERIA: ADJACENT= 1.3 DIAGONAL= .9

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LUMINANCES-CD/SQ-M
 HORIZONTAL ANGLE

VERT ANGLE	0
45	5368.
55	5149.
65	5428.
75	5868.
85	6538.

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	.50	.30	.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RCR																														
0	.96	.96	.96	.96	.89	.89	.89	.89	.77	.77	.77	.65	.65	.65	.55	.55	.55	.55	.55	.55	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50
1	.84	.79	.74	.70	.78	.73	.69	.65	.63	.59	.56	.53	.50	.48	.44	.42	.40	.36	.34	.31	.27	.25	.22	.20	.18	.15	.12	.10	.07	.05
2	.75	.67	.60	.54	.69	.62	.56	.51	.53	.48	.44	.44	.41	.37	.36	.34	.31	.28	.25	.22	.20	.17	.15	.12	.10	.07	.05	.03	.02	.01
3	.68	.58	.50	.44	.63	.54	.47	.41	.46	.40	.36	.38	.34	.31	.31	.28	.25	.22	.20	.17	.15	.12	.10	.07	.05	.03	.02	.01	.00	.00
4	.62	.51	.43	.37	.57	.47	.40	.34	.40	.34	.30	.34	.29	.25	.28	.24	.21	.18	.15	.12	.10	.07	.05	.03	.02	.01	.00	.00	.00	.00
5	.56	.45	.36	.30	.52	.41	.34	.28	.35	.29	.25	.29	.25	.21	.24	.20	.17	.15	.12	.10	.07	.05	.03	.02	.01	.00	.00	.00	.00	.00
6	.52	.40	.32	.26	.47	.37	.30	.24	.31	.25	.21	.26	.22	.18	.22	.18	.15	.12	.10	.07	.05	.03	.02	.01	.00	.00	.00	.00	.00	.00
7	.48	.36	.28	.22	.44	.33	.26	.21	.28	.22	.18	.24	.19	.15	.19	.16	.13	.10	.07	.05	.03	.02	.01	.00	.00	.00	.00	.00	.00	.00
8	.44	.32	.24	.19	.40	.30	.23	.18	.25	.20	.16	.21	.17	.13	.17	.14	.11	.09	.07	.05	.03	.02	.01	.00	.00	.00	.00	.00	.00	.00
9	.41	.29	.22	.17	.37	.27	.20	.16	.23	.17	.14	.19	.15	.12	.16	.12	.09	.07	.05	.03	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00
10	.38	.26	.19	.15	.35	.24	.18	.14	.21	.16	.12	.18	.13	.10	.14	.11	.08	.06	.05	.03	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES