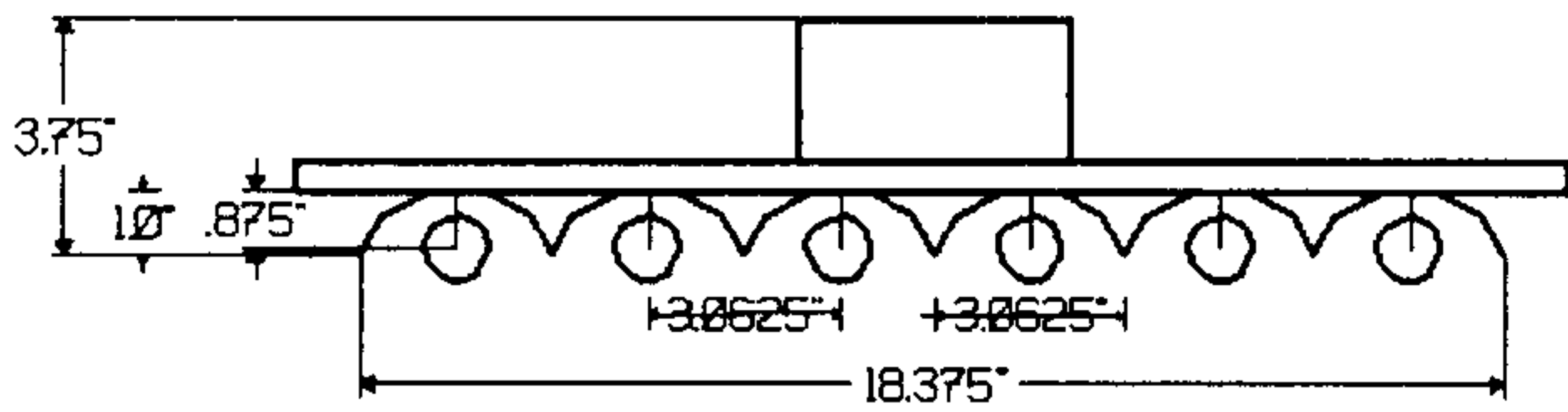
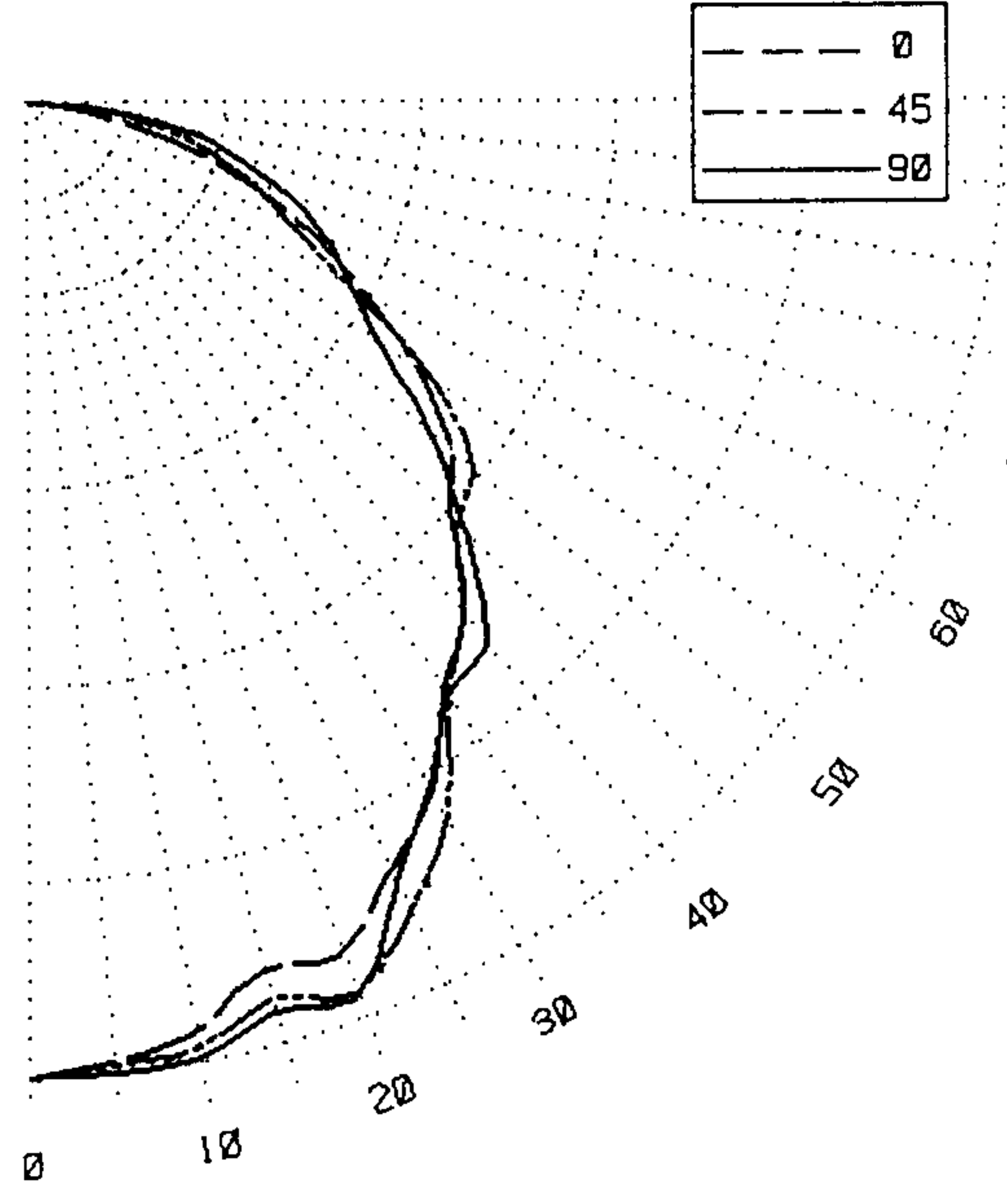


BALLABS CERTIFIED TEST REPORT NO.: 15451.0 DATE 05/17/10
 PREPARED FOR: TECHBRITE - CINCINNATI, OH
 DESCRIPTION: 6/32W T8 LAMP 4'-I-BAY HIGH BAY LUMINAIRE
 MIRO 4 REFLECTOR w/OPEN BOTTOM
 2 SYLVANIA BALLASTS #QHE 3x32T8/UNV/ISH WATTS=218
 CATALOG NBR: IB4206T81MRHQ0000
 LAMP TYPE : FO32/850/XPS/ECO3 RATED LUMENS 3100. NBR. LAMPS:- 6

CANDLEPOWER DISTRIBUTION

VERT ANG	HORIZONTAL ANGLE					ZONAL LUMENS
	0	22.5	45	67.5	90	
0	6441.	6441.	6441.	6441.	6441.	
5	6352.	6358.	6381.	6408.	6425.	609.4
10	6225.	6253.	6330.	6381.	6403.	
15	5931.	6014.	6125.	6197.	6219.	1729.9
20	5975.	6097.	6264.	6303.	6291.	
25	5603.	5770.	5909.	5787.	5703.	2675.3
30	5276.	5486.	5481.	5287.	5243.	
35	4744.	4977.	4799.	4738.	4793.	3028.3
40	4444.	4693.	4432.	4600.	4671.	
45	3922.	4106.	3972.	4122.	4055.	3134.3
50	3617.	3706.	3811.	3622.	3434.	
55	3118.	3128.	3223.	2863.	2812.	2731.6
60	2546.	2558.	2413.	2352.	2435.	
65	2058.	2157.	1897.	2096.	2169.	2050.7
70	1526.	1558.	1575.	1770.	1825.	
75	1009.	959.	1225.	1392.	1442.	1270.1
80	549.	655.	904.	1032.	1071.	
85	171.	371.	488.	510.	521.	467.6
90	22.	55.	71.	88.	83.	



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LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	5015.	27.0	28.3	90-120	0.	.0	.0
0- 40	8043.	43.2	45.4	90-130	0.	.0	.0
0- 60	13909.	74.8	78.6	90-150	0.	.0	.0
0- 90	17697.	95.1	100.0	90-180	0.	.0	.0

TOTAL LUMINAIRE = 0-180 17697. 95.1 100.0

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

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.: 15451.0 DATE 05/17/10
 PREPARED FOR: TECHWRITE - CINCINNATI, OH
 DESCRIPTION: 6/32W T8 LAMP 4'I-BAY HIGH BAY LUMINAIRE
 MIRO 4 REFLECTOR w/OPEN BOTTOM
 2 SYLVANIA BALLASTS #QHE 3x32T8/UNV/ISH WATTS=218
 CATALOG NBR: IB4206T81MRHQ0000
 LAMP TYPE : FO32/850/XPS/ECO3 RATED LUMENS 3100. NBR. LAMPS:- 6

LUMINANCES-CD/SQ-M
 HORIZONTAL ANGLE

VERT ANGLE	0	45	90
45	9752.	9618.	9819.
55	9558.	9514.	8301.
65	8561.	7461.	8531.
75	6854.	7564.	8900.
85	3456.	7521.	8040.

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	.50	.30	.10	.50	.30	.10
RCR																										
0	1.13	1.13	1.13	1.13	1.11	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97	.97
1	1.04	1.00	.96	.92	1.01	.98	.94	.91	.93	.91	.88	.90	.87	.85	.86	.84	.83	.81	.86	.84	.83	.81	.86	.84	.83	.81
2	.95	.88	.81	.76	.93	.86	.80	.75	.83	.78	.74	.79	.75	.72	.77	.73	.70	.68	.77	.73	.70	.68	.77	.73	.70	.68
3	.87	.78	.70	.64	.85	.76	.69	.64	.74	.68	.63	.71	.66	.62	.69	.64	.61	.59	.69	.64	.61	.59	.69	.64	.61	.59
4	.80	.69	.61	.55	.78	.68	.60	.55	.66	.59	.54	.63	.58	.53	.61	.57	.52	.50	.61	.57	.52	.50	.61	.57	.52	.50
5	.73	.61	.53	.47	.71	.60	.52	.46	.58	.51	.46	.56	.50	.45	.55	.49	.45	.43	.55	.49	.45	.43	.55	.49	.45	.43
6	.67	.55	.47	.41	.66	.54	.46	.40	.52	.45	.40	.51	.44	.40	.49	.44	.39	.37	.49	.44	.39	.37	.49	.44	.39	.37
7	.62	.49	.41	.35	.61	.49	.41	.35	.47	.40	.35	.46	.39	.35	.44	.39	.34	.33	.44	.39	.34	.33	.44	.39	.34	.33
8	.57	.44	.36	.31	.56	.44	.36	.31	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28	.40	.34	.30	.28	.40	.34	.30	.28
9	.53	.40	.32	.27	.51	.39	.32	.27	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24	.36	.30	.26	.24	.36	.30	.26	.24
10	.49	.36	.29	.24	.48	.36	.28	.23	.35	.28	.23	.34	.28	.23	.33	.27	.23	.21	.33	.27	.23	.21	.33	.27	.23	.21

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES