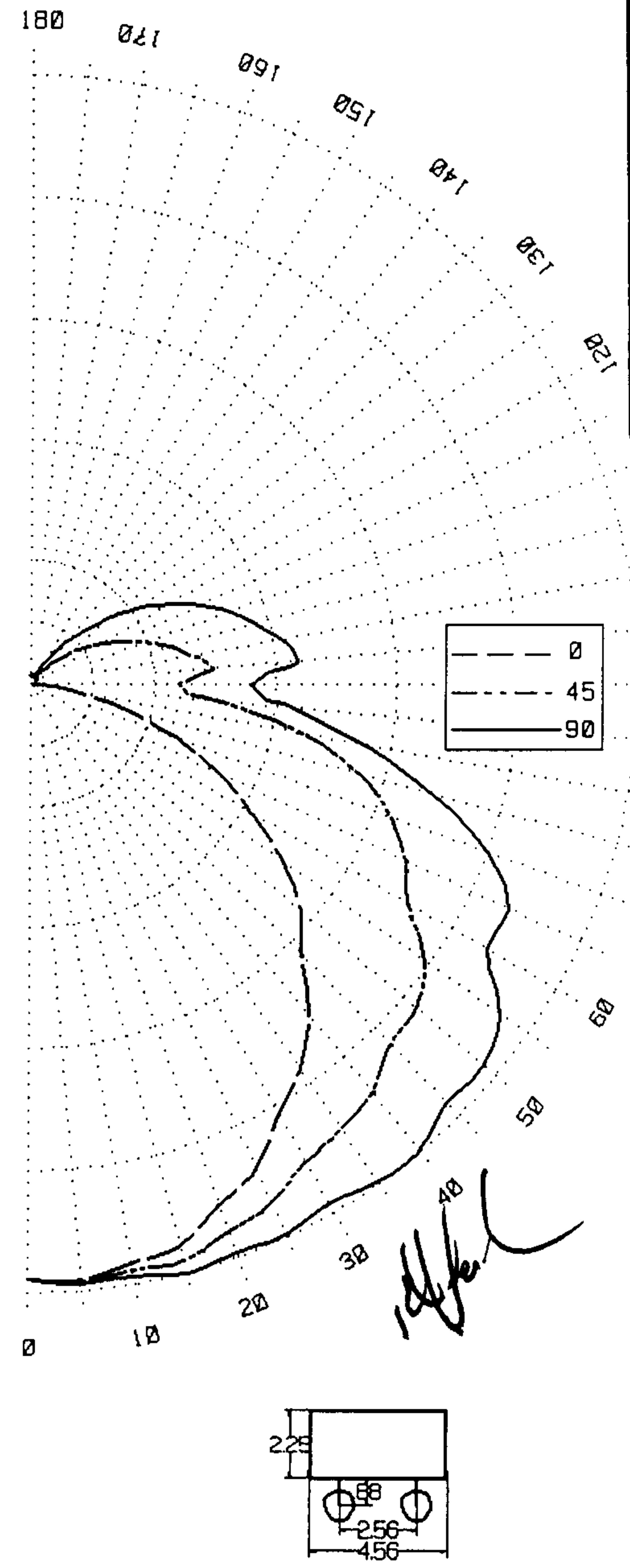


BALLABS CERTIFIED TEST REPORT NO.: 15460.0 DATE 06/03/10
 PREPARED FOR: TECHWRITE - CINCINNATI, OH
 DESCRIPTION: 4/32W T8 LAMP 8' TECHSTRIP LUMINAIRE
 WHITE FLAT BALLAST COVER REFL=81%
 SYLVANIA BALLAST #QHE4x32T8/UNVISH WATTS=142
 CATALOG NBR: T844T81BCHQ0000 R894T81BCHQ0000
 LAMP TYPE : FO32/850/XPS/ECO3 RATED LUMENS 3100. NBR. LAMPS:- 4

CANDLEPOWER DISTRIBUTION

VERT ANG	HORIZONTAL ANGLE					ZONAL LUMENS
	0	22.5	45	67.5	90	
0	2181.	2181.	2181.	2181.	2181.	
5	2189.	2192.	2195.	2199.	2203.	209.6
10	2149.	2157.	2175.	2189.	2199.	
15	2126.	2145.	2184.	2216.	2232.	618.2
20	2030.	2064.	2128.	2185.	2212.	
25	1958.	2006.	2097.	2184.	2219.	969.2
30	1823.	1890.	2018.	2138.	2191.	
35	1724.	1815.	1990.	2155.	2220.	1245.7
40	1590.	1715.	1954.	2156.	2229.	
45	1405.	1564.	1870.	2089.	2168.	1415.2
50	1292.	1498.	1850.	2094.	2176.	
55	1128.	1391.	1771.	2028.	2114.	1527.6
60	926.	1239.	1600.	1839.	1942.	
65	759.	1144.	1518.	1812.	1939.	1445.0
70	565.	985.	1407.	1695.	1790.	
75	375.	787.	1245.	1471.	1534.	1178.9
80	200.	679.	1018.	1216.	1240.	
85	68.	474.	696.	914.	959.	708.5
90	10.	247.	536.	735.	800.	
95	1.	278.	669.	911.	974.	639.8
100	1.	219.	590.	836.	930.	
105	5.	173.	520.	755.	842.	495.0
110	8.	125.	446.	691.	771.	
115	10.	85.	363.	600.	679.	345.6
120	14.	54.	296.	505.	578.	
125	16.	28.	232.	415.	485.	207.6
130	18.	18.	169.	318.	379.	
135	20.	24.	106.	220.	274.	96.2
140	25.	28.	60.	159.	201.	
145	28.	33.	30.	96.	127.	37.1
150	29.	33.	32.	40.	54.	
155	32.	36.	33.	32.	32.	15.4
160	29.	30.	32.	32.	30.	
165	34.	34.	32.	32.	30.	9.2
170	33.	32.	34.	36.	34.	
175	36.	33.	32.	32.	29.	3.1
180	30.	30.	30.	30.	30.	



LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	1797.	14.5	16.1	90-120	1480.	11.9	13.3
0- 40	3043.	24.5	27.2	90-130	1688.	13.6	15.1
0- 60	5986.	48.3	53.6	90-150	1821.	14.7	16.3
0- 90	9318.	75.1	83.4	90-180	1849.	14.9	16.6
TOTAL LUMINAIRE = 0-180					11167.	90.1	100.0

IES SPACING CRITERIA: END= 1.2 DIAGONAL = 1.4 CROSS= 1.6

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.: 15460.0 DATE 06/03/10
 PREPARED FOR: TECHWRITE - CINCINNATI, OH
 DESCRIPTION: 4/32W T8 LAMP 8'TECHSTRIP LUMINAIRE
 WHITE FLAT BALLAST COVER REFL=81%
 SYLVANIA BALLAST #QHE4x32T8/UNVISH WATTS=142
 CATALOG NBR: T844T81BCHQ0000 R894T81BCHQ0000
 LAMP TYPE : FO32/850/XPS/ECO3 RATED LUMENS 3100. NBR. LAMPS:- 4

LUMINANCES-CD/SQ-M
 HORIZONTAL ANGLE

VERT ANGLE	0	45	90
45	7112.	7408.	8588.
55	7039.	7912.	9445.
65	6428.	8057.	10291.
75	5186.	8453.	10416.
85	2792.	6846.	9433.

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	1.04	1.04	1.04	1.04	1.00	1.00	1.00	1.00	.92	.92	.92	.85	.85	.85	.78	.78	.78	.75
1	.93	.88	.83	.79	.89	.84	.80	.76	.77	.74	.71	.71	.69	.66	.66	.64	.62	.59
2	.83	.75	.68	.62	.79	.72	.66	.60	.66	.61	.57	.61	.57	.53	.56	.53	.50	.47
3	.75	.65	.57	.51	.72	.63	.55	.49	.58	.52	.47	.53	.48	.44	.49	.45	.41	.39
4	.69	.57	.49	.42	.65	.55	.47	.41	.51	.44	.39	.47	.41	.37	.43	.39	.35	.32
5	.62	.50	.41	.35	.59	.48	.40	.34	.44	.37	.32	.41	.35	.31	.38	.33	.29	.26
6	.57	.44	.36	.30	.54	.43	.35	.29	.39	.33	.27	.36	.31	.26	.34	.29	.25	.22
7	.52	.40	.31	.25	.50	.38	.30	.25	.35	.29	.24	.33	.27	.22	.30	.25	.21	.19
8	.48	.35	.27	.22	.46	.34	.27	.21	.32	.25	.20	.29	.23	.19	.27	.22	.18	.16
9	.44	.32	.24	.19	.42	.31	.23	.18	.28	.22	.17	.26	.21	.16	.24	.19	.16	.14
10	.41	.29	.21	.17	.39	.28	.21	.16	.26	.20	.15	.24	.18	.14	.22	.17	.14	.12

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES