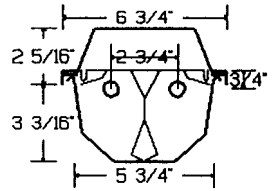
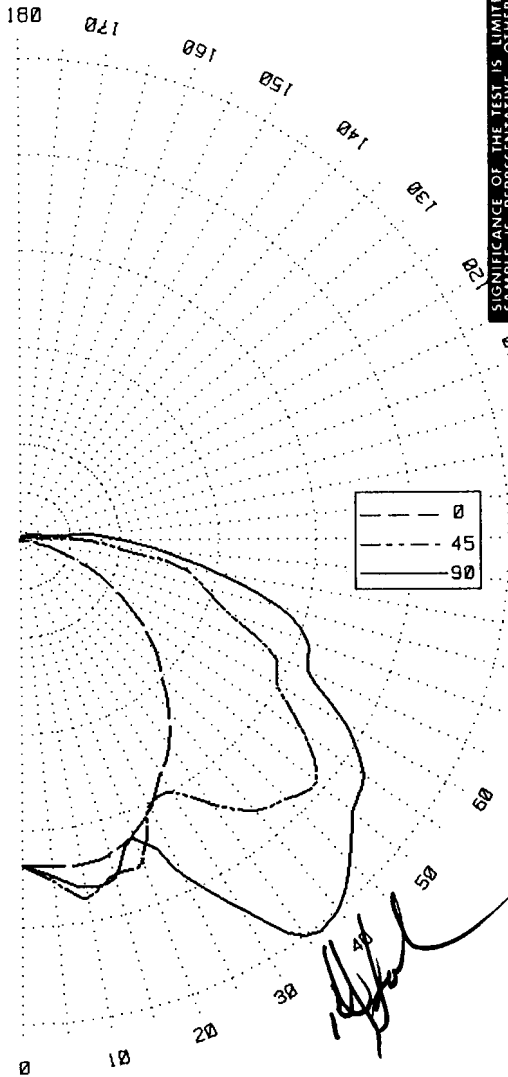


BALLABS CERTIFIED TEST REPORT NO.: 14519.0 DATE 03/18/09
 PREPARED FOR: SCIENTIFIC LIGHTING PRODUCTS, INC - FENTON, MO
 DESCRIPTION: 2/54W T5HO LAMP 52x7x6" SUSPEND ENCLOSED/GASKETED LUMINAIRE
 SPECULAR GARAGE REFLECTOR w/CLEAR ACRYLIC DROP LENS
 UNIVERSAL BALLAST #B254PUNV-D WATTS=95
 CATALOG NBR: CT2-2x54T5HO-LIRA-RF-W
 LAMP TYPE : FP54T5HO/835 RATED LUMENS 5000. NBR. LAMPS:- 2

CANDLEPOWER DISTRIBUTION

VERT ANG	HORIZONTAL ANGLE					ZONAL LUMENS
	0	22.5	45	67.5	90	
0	1217.	1217.	1217.	1217.	1217.	
5	1226.	1216.	1282.	1272.	1264.	119.7
10	1234.	1216.	1360.	1332.	1318.	
15	1222.	1312.	1299.	1333.	1309.	369.2
20	1177.	1293.	1287.	1174.	1188.	
25	1112.	1191.	1101.	1264.	1383.	555.8
30	1014.	1072.	1088.	1435.	1593.	
35	943.	1011.	1209.	1667.	1814.	826.9
40	838.	821.	1326.	1745.	1814.	
45	729.	779.	1373.	1629.	1717.	968.8
50	640.	744.	1417.	1532.	1597.	
55	533.	745.	1273.	1447.	1544.	1010.1
60	420.	748.	1088.	1335.	1380.	
65	324.	704.	1030.	1135.	1166.	896.8
70	225.	549.	813.	1008.	1126.	
75	135.	422.	694.	946.	990.	694.1
80	70.	259.	604.	714.	742.	
85	39.	197.	369.	493.	527.	366.1
90	28.	112.	252.	348.	379.	
95	0.	36.	131.	214.	252.	138.3
100	0.	33.	62.	97.	119.	
105	0.	28.	51.	67.	79.	49.1
110	0.	19.	47.	60.	67.	
115	0.	11.	39.	48.	54.	31.0
120	0.	0.	29.	45.	48.	
125	0.	0.	23.	39.	45.	19.0
130	0.	0.	20.	26.	33.	
135	0.	0.	19.	29.	26.	11.8
140	0.	0.	0.	25.	26.	
145	0.	0.	0.	20.	23.	4.9
150	0.	0.	0.	0.	22.	
155	0.	0.	0.	0.	20.	1.2
160	0.	0.	0.	0.	0.	
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	1045.	10.4	17.2	90-120	218.	2.2	3.6
0- 40	1872.	18.7	30.9	90-130	237.	2.4	3.9
0- 60	3851.	38.5	63.5	90-150	254.	2.5	4.2
0- 90	5808.	58.1	95.8	90-180	255.	2.6	4.2
TOTAL LUMINAIRE = 0-180					6063.	60.6	100.0

IES SPACING CRITERIA: END= 1.2 DIAGONAL = 1.6 CROSS= 2.0

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.: 14519.0 DATE 03/18/09
 PREPARED FOR: SCIENTIFIC LIGHTING PRODUCTS, INC - FENTON, MO
 DESCRIPTION: 2/54W T5HO LAMP 52x7x6" SUSPEND ENCLOSED/GASKETED LUMINAIRE
 SPECULAR GARAGE REFLECTOR w/CLEAR ACRYLIC DROP LENS
 UNIVERSAL BALLAST #B254PUNV-D WATTS=95
 CATALOG NBR: CT2-2x54T5HO-LIRA-RF-W
 LAMP TYPE : FP54T5HO/835 RATED LUMENS 5000. NBR. LAMPS:- 2

LUMINANCES-CD/SQ-M
 HORIZONTAL ANGLE

VERT ANGLE	0	45	90
45	5208.	6236.	7798.
55	4694.	6166.	7479.
65	3873.	5524.	6253.
75	2635.	4316.	6157.
85	2260.	2833.	4046.

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	.00
RCR												
0	.72	.72	.72	.72	.70	.70	.70	.70	.66	.66	.66	.63
1	.64	.61	.58	.55	.62	.59	.56	.54	.56	.54	.52	.53
2	.58	.52	.47	.43	.56	.51	.46	.42	.48	.44	.41	.45
3	.52	.45	.40	.35	.50	.44	.39	.35	.42	.37	.34	.40
4	.47	.39	.34	.29	.46	.38	.33	.29	.37	.32	.28	.35
5	.43	.34	.28	.24	.41	.33	.28	.24	.32	.27	.23	.30
6	.39	.30	.24	.20	.38	.30	.24	.20	.28	.23	.20	.27
7	.36	.27	.21	.17	.35	.26	.21	.17	.25	.20	.17	.24
8	.33	.24	.18	.15	.32	.23	.18	.14	.22	.18	.14	.21
9	.30	.21	.16	.12	.29	.21	.16	.12	.20	.15	.12	.19
10	.28	.19	.14	.11	.27	.19	.14	.11	.18	.14	.10	.17

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES