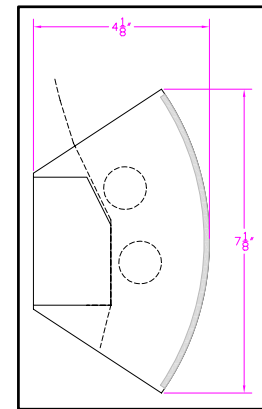


IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI110902A.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLI 1109-02A
 [TESTLAB] LIGHT LABORATORY INC
 [ISSUEDATE] 11/25/2009
 [MANUFAC] PRUDENTIAL LIGHTING
 [LUMCAT] WAL14-WFA-2T8-04'-TMW-SC-120-WM-WHITE
 [LUMINAIRE] 48-1/2"L. X 7-1/8"W. X 4-1/8"H. LINEAR FLUORESCENT WALL-MOUNT LUMINAIRE
 [MORE] APECCULAR ALUMINIUM REFLECTOR
 [MORE] WHITE FROST ACRYLIC DIFFUSER
 [BALLASTCAT] UNIVERSAL B232IUNVHP-B
 [BALLAST] 120 TO 277V 50/60Hz ELECTRONIC.
 [LAMPPOSITION] 90,90
 [LAMPCAT] SYLVANIA F032/341/ECO
 [_LAMPLUM] 2950
 [_INPUT] 120VAC, 56.34W

CHARACTERISTICS

Lumens Per Lamp	2950 (2 lamps)
Total Lumens	5900
Luminaire Lumens	5317
Total Luminaire Efficiency	90 %
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	56.34
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criteria (0-180)	N.A.
Spacing Criteria (90-270)	N.A.
Spacing Criteria (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.34 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.59 ft


LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2817	2397	3396
55	3145	2359	2989
65	3489	2526	2473
75	3835	2777	2010
85	4200	3105	1419

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CANDELA TABULATION

	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
0	558	558	558	558	558	558	558	558	558	558
10	694	688	680	672	662	651	640	606	570	534
20	693	684	679	680	686	667	646	624	580	511
30	619	609	604	602	610	620	623	585	554	455
40	634	615	580	549	532	499	515	517	487	388
50	744	722	681	606	519	449	401	424	399	309
60	843	818	760	670	565	453	347	306	288	216
70	918	891	822	723	599	465	333	224	187	132
80	959	930	858	751	623	483	343	217	137	72
90	970	937	868	760	628	486	342	205	89	12
100	969	937	868	761	642	515	381	268	207	149
110	962	937	867	777	656	535	409	329	328	286
120	937	911	858	769	668	570	513	511	529	461
130	873	848	806	762	693	670	680	741	749	648
140	874	856	844	847	848	851	898	933	934	810
150	1025	1007	1008	1025	1056	1091	1117	1094	1087	946
160	1223	1207	1203	1212	1232	1223	1215	1210	1161	1060
170	1311	1301	1292	1284	1277	1271	1266	1214	1162	1110
180	1159	1159	1159	1159	1159	1159	1159	1159	1159	1159

Vert. Horizontal Angles
Angles

	<u>100</u>	<u>110</u>	<u>120</u>	<u>130</u>	<u>140</u>	<u>150</u>	<u>160</u>	<u>170</u>	<u>180</u>
0	558	558	558	558	558	558	558	558	558
10	499	466	435	415	398	384	375	371	372
20	443	387	341	301	267	247	234	227	229
30	363	301	244	208	172	148	147	147	149
40	286	216	170	133	129	128	125	125	127
50	211	146	122	113	114	113	115	113	114
60	142	106	95	98	98	98	97	96	97
70	85	75	78	79	80	79	79	79	79
80	54	53	56	58	59	59	59	61	61
90	24	32	35	36	36	35	35	35	0
100	96	71	62	57	53	48	46	47	49
110	173	115	92	83	78	74	73	71	72
120	312	222	167	125	114	108	104	102	103
130	477	357	278	214	167	156	140	134	136
140	637	512	418	347	298	259	231	219	221
150	795	685	584	523	465	416	387	375	381
160	950	853	771	697	635	603	581	572	576
170	1052	998	948	911	879	855	839	832	834
180	1159	1159	1159	1159	1159	1159	1159	1159	1159

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	401.93	6.8	7.6
0-40	641.88	10.9	12.1
0-60	1199.58	20.3	22.6
0-90	2146.43	36.4	40.4
90-120	1068.33	18.1	20.1
90-130	1481.73	25.1	27.9
90-150	2366.39	40.1	44.5
90-180	3170.64	53.7	59.6
0-180	5317.07	90.1	100

Total Luminaire Efficiency = 90.1%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	52.03
10-20	143.65
20-30	206.24
30-40	239.95
40-50	265.9
50-60	291.8
60-70	309.68
70-80	320.06
80-90	317.11
90-100	327.23
100-110	356.08
110-120	385.02
120-130	413.4
130-140	437
140-150	447.65
150-160	406.92
160-170	290.14
170-180	107.19

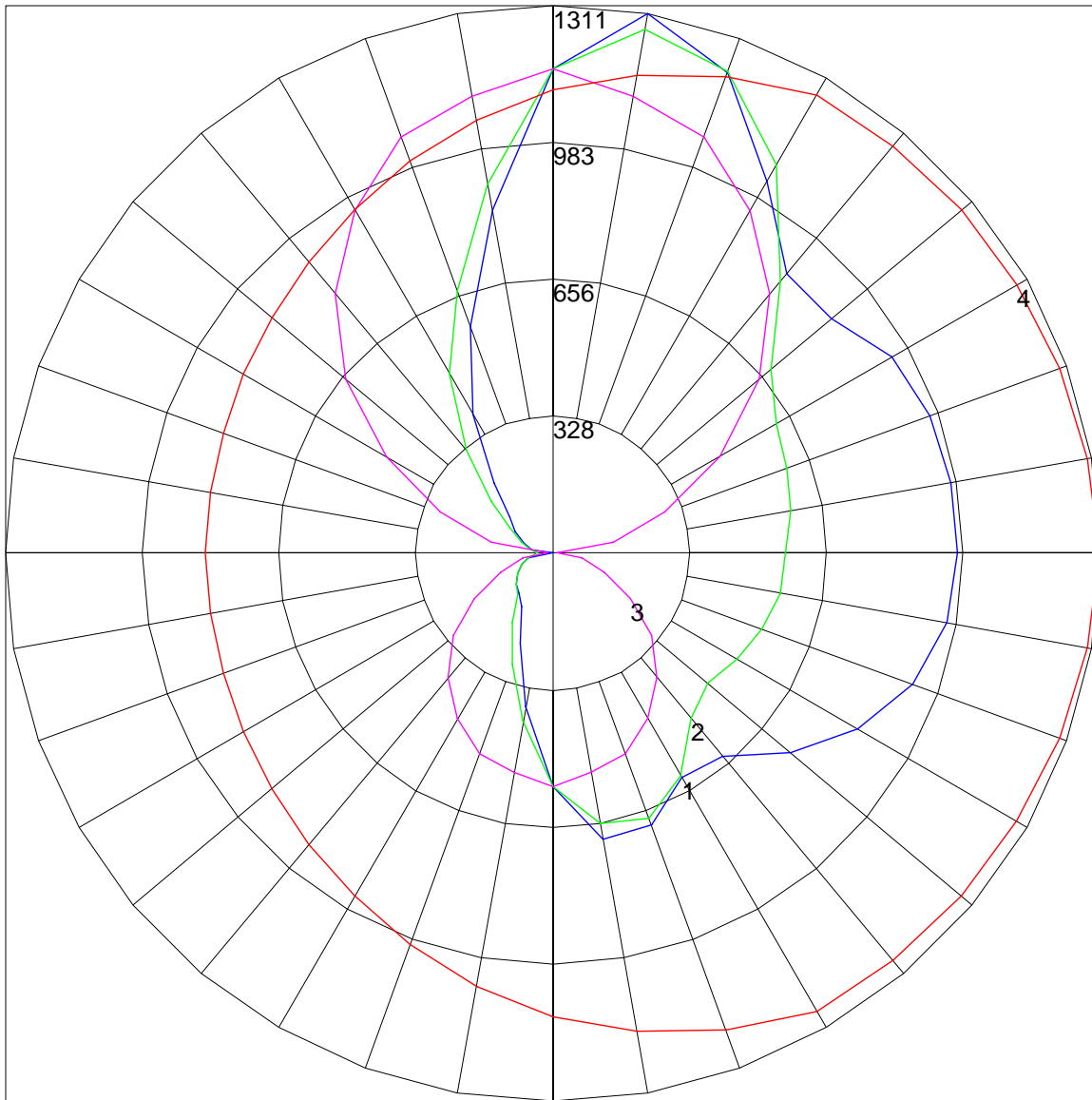
IES INDOOR REPORT
 PHOTOMETRIC FILENAME : LLI110902A.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	94	94	94	94	86	86	86	86	70	70	70	56	56	56	43	43	43	36
1	84	79	74	70	76	71	68	64	58	55	52	45	43	41	34	32	31	26
2	75	68	61	56	68	61	56	51	49	45	42	39	36	33	28	26	24	20
3	68	59	51	46	61	53	47	42	43	38	34	33	30	27	25	22	20	16
4	62	52	44	38	56	47	40	35	38	33	29	29	26	23	22	19	17	13
5	57	46	38	32	51	42	35	30	34	28	24	26	22	19	19	17	14	11
6	52	41	33	28	47	37	30	25	30	25	21	24	20	17	17	15	12	10
7	48	37	29	24	43	33	27	22	27	22	18	21	18	15	16	13	11	8
8	45	33	26	21	40	30	24	19	25	20	16	20	16	13	15	12	10	7
9	42	30	23	19	38	28	21	17	23	18	14	18	14	12	13	11	9	7
10	39	28	21	17	35	25	19	15	21	16	13	17	13	10	13	10	8	6

POLAR GRAPH



Maximum Candela = 1311 Located At Horizontal Angle = 0, Vertical Angle = 170
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.) : BLUE
2 - Vertical Plane Through Horizontal Angles (45 - 225) : GREEN
3 - Vertical Plane Through Horizontal Angles (90 - 270) : MAGENTA
4 - Horizontal Cone Through Vertical Angle (170) (Through Max. Cd.) : RED

NOTE: ALL TESTS ASSUME BALLAST FACTOR (BF) = 1.0 UNLESS STATED.
IF TEST OR OTHER BALLAST USED HAS A BF OTHER THAN 1.0, ALL
LUMEN, CANDELA, AND LUMINANCE VALUES SHOULD BE MULTIPLIED BY
THE BF, CU, EFFICIENCY AND % FLUX VALUES REMAIN AS LISTED.
TOTAL WATTS VALUE APPLIES ONLY TO TESTED BALLAST.