IES INDOOR REPORT
PHOTOMETRIC FILENAME : HRZ-4-LED-0100-FL-SS-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L250_3500K_SS(750)_0100_N2S_5-17-2016
[TESTLAB] Orb Optronix, Inc.
[ISSUEDATE] 05-17-2016
[TESTDATE] 01-12-2017
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]HRZ-4-LED-0100-FL-SS-35
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2774
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	36.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.60 ft
Luminous Height	0.13 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3932	3443	3290
55	3727	3118	2940
65	3408	2669	2474
75	2879	1997	1792
85	2056	981	822

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CANDELA TABULATION

	0	10	20	30	40	50	60	70	80	90
0	975.629	975.629	975.629	975.629	975.629	975.629	975.629	975.629	975.629	975.629
10	960.946	958.630	958.437	957.329	955.732	955.702	954.861	954.668	953.752	953.974
20	909.411	906.342	905.199	904.842	903.474	902.904	900.160	900.518	898.794	897.866
30	824.553	824.192	824.265	821.605	820.112	817.557	814.824	814.398	812.625	810.530
40	710.950	711.055	709.946	708.638	706.715	704.028	701.335	699.817	698.441	697.134
50	577.373	576.323	576.264	574.446	573.769	571.500	569.632	567.845	565.763	564.361
60	425.953	425.510	426.257	425.942	424.783	423.618	421.885	420.255	418.631	417.284
70	264.605	265.319	266.555	266.281	266.117	265.523	264.562	263.654	262.375	261.035
80	109.263	110.320	111.249	111.892	112.173	112.544	112.516	110.896	110.050	108.375
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	355.71	N.A.	12.80
0-30	754.11	N.A.	27.20
0-40	1232.63	N.A.	44.40
0-60	2173.33	N.A.	78.30
0-80	2713.64	N.A.	97.80
0-90	2774.29	N.A.	100.00
10-90	2682.08	N.A.	96.70
20-40	876.92	N.A.	31.60
20-50	1371.29	N.A.	49.40
40-70	1282.15	N.A.	46.20
60-80	540.31	N.A.	19.50
70-80	198.87	N.A.	7.20
80-90	60.64	N.A.	2.20
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2774.29	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	92.21
10-20	263.51
20-30	398.40
30-40	478.52
40-50	494.37
50-60	446.33
60-70	341.44
70-80	198.87
80-90	60.64
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	53	62	56	52	50
5	76	63	54	47	73	61	53	47	59	52	46	57	51	46	55	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	27
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

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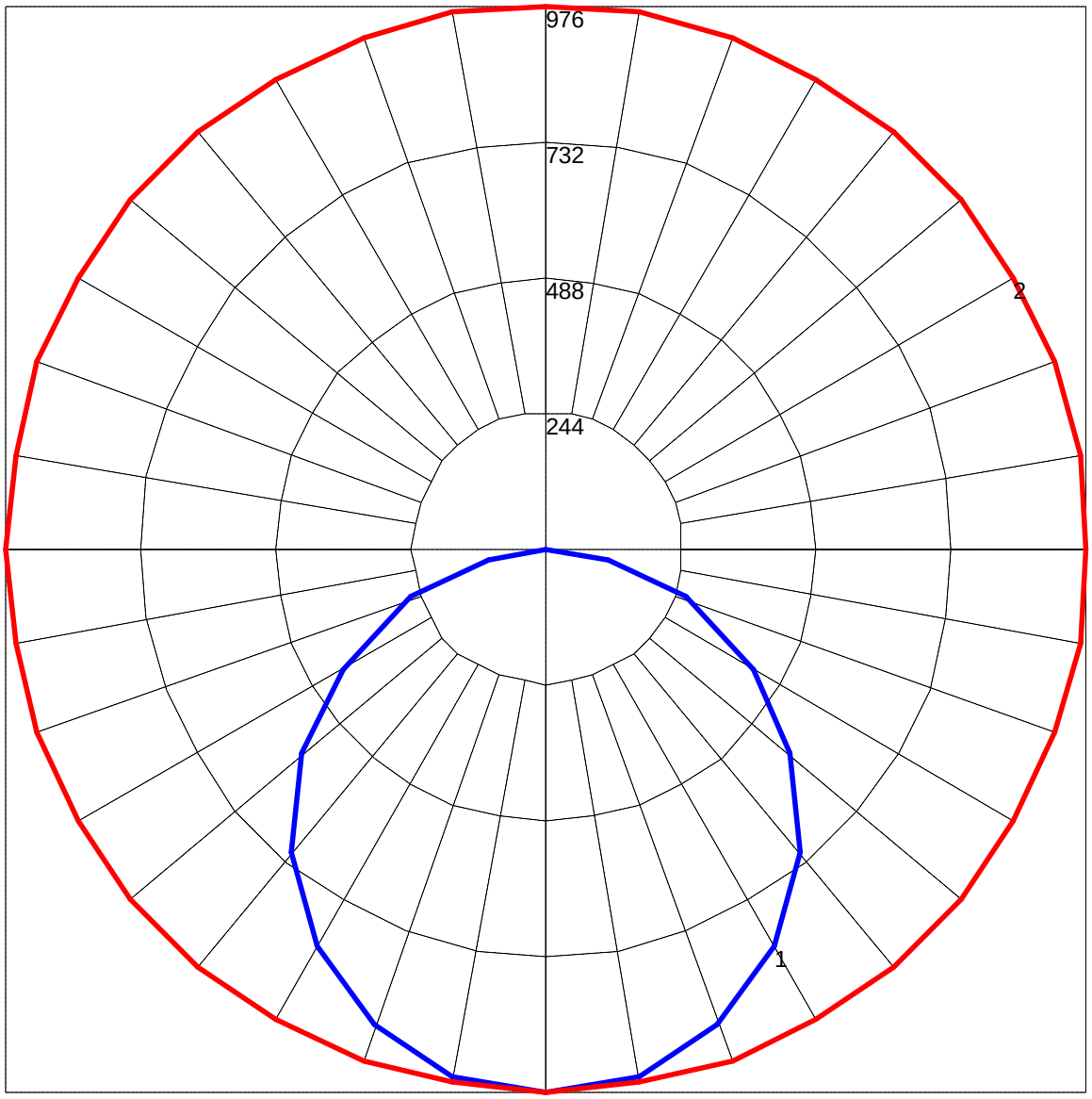
POLAR GRAPH



Maximum Candela = 975.629 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)