



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ZES-PRO-22-LED4-MO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]31978
 [TESTLAB]
 [ISSUE DATE]
 [MANUFACTURER]PRUDENTIAL LIGHTING - LED PENDANT LUMINAIRE
 [LUMEN CATEGORY]ZES
 [LUMINAIRE]WITH WHITE INTERIOR AND FROSTED WRAPPED PLASTIC LENSES
 [LAMP]
 [OTHER]FO

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7042
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	52
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.23 ft
Luminous Width (90-270)	2.23 ft
Luminous Height	0.14 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1579	1650	1574
55	1908	1969	1914
65	2546	2518	2555
75	3913	3646	3901
85	8197	6889	8109

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZES-PRO-22-LED4-MO.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	402.717	402.717	402.717	402.717	402.717
2.5	405.257	405.638	402.336	402.336	404.876
5.0	411.353	411.480	408.051	407.543	410.083
7.5	419.989	419.862	417.195	415.925	418.084
10.0	430.530	430.784	428.879	426.720	427.990
12.5	442.468	443.484	442.087	439.039	439.039
15.0	455.295	457.454	456.692	452.755	451.485
17.5	468.884	472.186	472.059	467.106	464.566
20.0	482.346	486.791	487.680	481.457	477.393
22.5	495.427	501.269	503.174	495.808	489.712
25.0	507.619	514.858	518.160	509.524	501.396
27.5	518.541	527.558	532.384	522.478	512.064
30.0	527.939	538.861	545.465	534.035	521.462
32.5	535.178	548.386	556.895	543.941	529.082
35.0	540.766	556.133	566.674	552.323	535.051
37.5	544.576	562.229	574.675	559.054	539.750
40.0	546.862	566.674	580.644	564.134	542.925
42.5	548.132	569.595	584.835	567.944	545.211
45.0	548.640	571.246	587.375	570.611	546.862
47.5	548.894	572.262	589.026	572.516	548.132
50.0	549.529	573.024	589.534	574.040	549.783
52.5	550.291	573.405	589.280	575.056	551.434
55.0	551.434	574.040	588.518	576.072	553.085
57.5	553.466	575.056	587.629	577.215	555.752
60.0	556.260	576.834	586.740	579.247	558.800
62.5	560.070	579.247	586.232	581.279	562.610
65.0	564.515	582.295	585.724	583.692	566.547
67.5	569.087	585.343	584.962	585.851	570.357
70.0	573.659	588.010	584.327	587.629	573.913
72.5	576.580	589.915	583.057	588.264	575.818
75.0	578.104	590.550	581.025	587.502	576.326
77.5	577.850	589.661	577.596	585.343	575.056
80.0	576.326	587.502	573.024	581.660	572.135
82.5	572.643	583.311	566.928	576.326	567.563
85.0	567.436	577.469	559.435	569.595	561.340
87.5	561.340	570.230	551.307	561.975	554.228
90.0	552.958	561.467	546.481	560.959	553.085
92.5	552.196	561.721	552.704	571.373	563.626
95.0	558.546	568.452	560.324	578.866	570.230
97.5	563.626	574.294	567.690	585.216	575.945
100.0	568.325	579.501	574.294	590.296	580.644
102.5	572.135	584.200	580.263	594.487	584.327
105.0	574.167	586.867	584.327	596.773	585.851
107.5	574.040	587.756	586.994	597.027	585.216
110.0	572.135	587.121	588.518	595.757	582.422
112.5	569.087	585.470	589.153	593.344	578.485
115.0	565.277	583.184	589.026	590.169	573.532
117.5	561.213	580.644	589.026	586.613	568.452
120.0	557.022	577.850	589.026	583.184	563.372
122.5	553.339	575.564	589.153	580.263	558.800
125.0	550.545	573.913	589.407	577.850	555.117
127.5	548.386	572.135	589.153	575.818	552.196
130.0	546.862	570.611	588.391	574.294	550.164
132.5	546.100	569.214	587.375	573.024	549.148

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZES-PRO-22-LED4-MO.IES

CANDELA TABULATION - (Cont.)

135.0	545.084	567.690	585.470	571.246	548.005
137.5	543.687	565.150	582.422	568.706	546.608
140.0	541.655	561.594	577.977	565.150	544.449
142.5	538.734	556.895	571.881	560.324	541.528
145.0	534.416	550.545	564.007	553.847	537.210
147.5	528.066	542.417	554.609	545.465	530.733
150.0	519.938	531.622	542.925	535.686	522.478
152.5	510.921	519.557	528.447	524.129	513.334
155.0	501.015	507.492	513.334	510.286	502.793
157.5	489.204	495.554	500.253	496.570	490.855
160.0	477.393	482.346	487.045	484.505	478.790
162.5	465.455	467.868	471.424	470.535	466.598
165.0	452.755	453.898	456.438	456.184	453.390
167.5	440.563	440.690	442.214	442.722	440.944
170.0	429.260	428.625	429.260	430.276	429.514
172.5	419.735	418.465	418.211	419.735	419.735
175.0	411.734	410.591	409.575	411.607	411.734
177.5	406.400	405.384	404.622	406.527	406.654
180.0	404.495	404.495	404.495	404.495	404.495

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZES-PRO-22-LED4-MO.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	169.66	N.A.	2.40
0-30	406.91	N.A.	5.80
0-40	754.04	N.A.	10.70
0-60	1708.62	N.A.	24.30
0-80	2900.41	N.A.	41.20
0-90	3519.42	N.A.	50.00
10-90	3479.71	N.A.	49.40
20-40	584.38	N.A.	8.30
20-50	1024.9	N.A.	14.60
40-70	1529.63	N.A.	21.70
60-80	1191.78	N.A.	16.90
70-80	616.74	N.A.	8.80
80-90	619.01	N.A.	8.80
90-110	1238.87	N.A.	17.60
90-120	1817.39	N.A.	25.80
90-130	2332.11	N.A.	33.10
90-150	3117.09	N.A.	44.30
90-180	3522.7	N.A.	50.00
110-180	2283.83	N.A.	32.40
0-180	7042.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	39.71
10-20	129.95
20-30	237.26
30-40	347.12
40-50	440.52
50-60	514.06
60-70	575.04
70-80	616.74
80-90	619.01
90-100	619.35
100-110	619.52
110-120	578.52
120-130	514.72
130-140	439.31
140-150	345.67
150-160	235.91
160-170	129.87
170-180	39.82

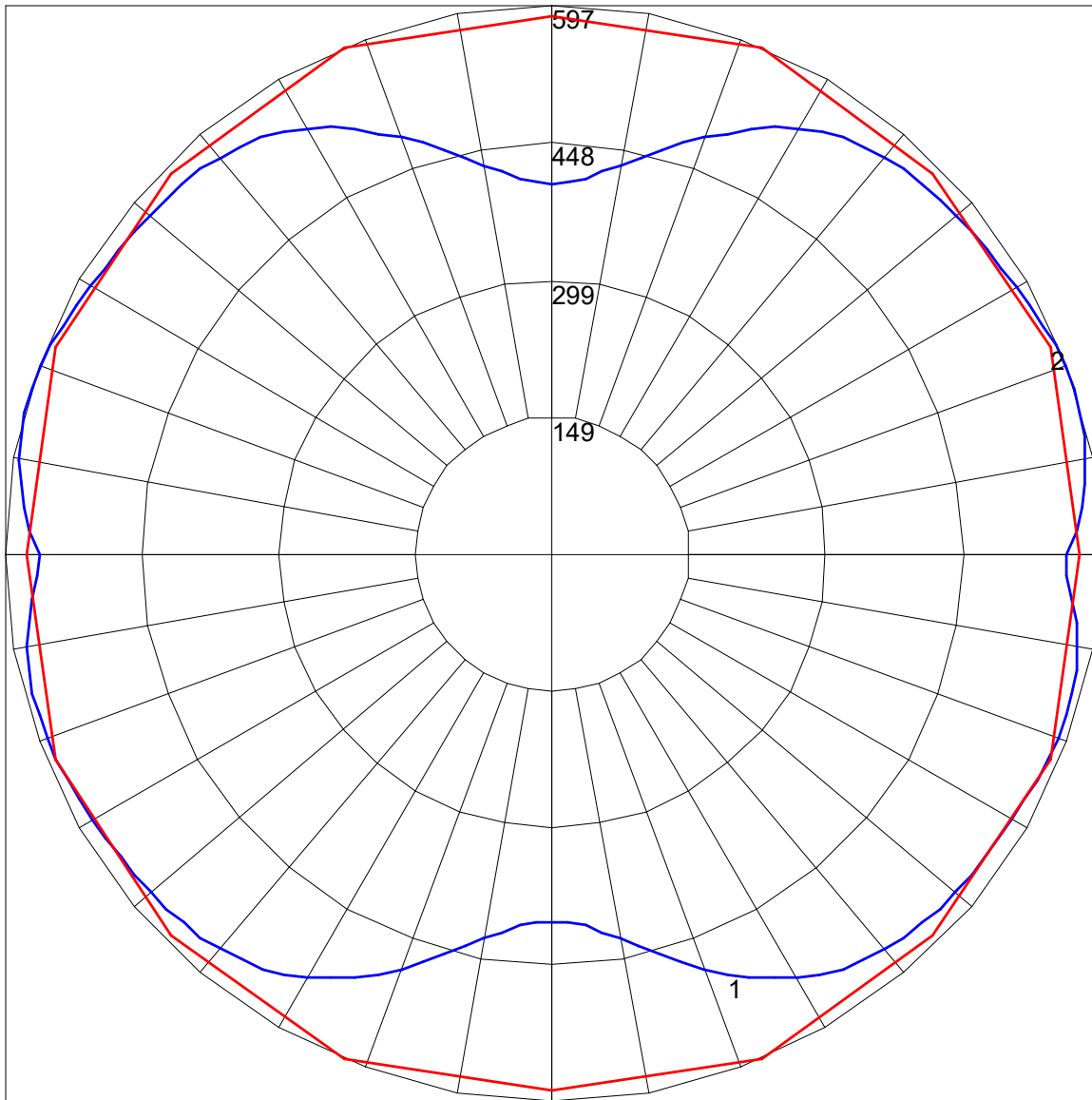
IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZES-PRO-22-LED4-MO.IES

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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	93	87	82	77	85	80	75	71	67	63	59	54	51	49	43	41	39	33
2	83	74	66	59	76	68	61	55	56	50	46	45	41	37	35	32	29	24
3	75	63	55	47	68	58	50	44	48	42	37	39	34	30	30	26	23	19
4	68	55	46	39	62	51	42	36	42	35	30	34	29	24	26	22	19	15
5	62	49	39	33	56	45	36	30	37	30	25	30	24	20	23	19	16	12
6	57	43	34	28	52	40	31	26	33	26	21	26	21	17	20	16	13	10
7	52	39	30	24	48	36	28	22	30	23	18	24	19	15	18	15	12	9
8	48	35	26	21	44	32	24	19	27	20	16	22	17	13	17	13	10	8
9	45	32	24	18	41	29	22	17	24	18	14	20	15	11	15	12	9	7
10	42	29	21	16	38	27	20	15	22	17	13	18	13	10	14	11	8	6

POLAR GRAPH



Maximum Candela = 597.027 Located At Horizontal Angle = 67.5, Vertical Angle = 107.5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (107.5) (Through Max. Cd.)