

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRDDH22LEDGV-37L35KEX-PR22-XX-CNFR-XX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] CRT1509031201-001-22_M-37L-35K
[TESTLAB] Intertek
[ISSUE DATE] 10/27/2015
[UPDATE] 5/4/2018
[MANUFAC] Spectrum Lighting
[LUMCAT] PRDDH22LEDGV-37L-35K-EX-PR22-BC22-CNFR-xx
[LUMINAIRE] LED High Bay, clear prismatic refractor w/ band clamp
[OTHER] to support, inside frosted conical lens w/ radial prism pattern
[OTHER] 9.4% Uplight
[OTHER] 90.6% Downlight
[OTHER] Nom. 76 Degree Beam Angle (down)
[LAMP] N/A
[LAMPCAT] N/A, Gen3
[OTHER] Total Luminaire Watts is approximate
[OTHER] CCT Output Multipliers: 40K X 1.03, 30K X 0.985, 27K X 0.971
[OTHER] This report updated by Spectrum Lighting, scaled from 55L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2938
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	26
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.87 ft (Diameter)
Luminous Width (90-270)	1.87 ft (Diameter)
Luminous Height	1.21 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRDDH22LEDGV-37L35KEX-PR22-XX-CNFR-XX.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1528	1555	1533
55	580	530	572
65	255	271	260
75	189	186	187
85	155	145	157

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	1337.011	1337.011	1337.011	1337.011	1337.011	1337.011	1337.011	1337.011	1337.011	1337.011
2.5	1328.524	1332.478	1333.147	1334.031	1329.553	1334.031	1333.147	1332.478	1328.524	1332.478
5.0	1316.408	1317.798	1317.329	1313.790	1311.732	1313.790	1317.329	1317.798	1316.408	1317.798
7.5	1347.141	1347.772	1345.895	1333.508	1339.972	1333.508	1345.895	1347.772	1347.141	1347.772
10.0	1394.359	1420.649	1438.833	1394.449	1381.214	1394.449	1438.833	1420.649	1394.359	1420.649
12.5	1452.014	1471.642	1478.431	1448.619	1436.684	1448.619	1478.431	1471.642	1452.014	1471.642
15.0	1526.281	1494.628	1490.674	1499.612	1523.411	1499.612	1490.674	1494.628	1526.281	1494.628
17.5	1577.400	1504.379	1484.588	1542.316	1584.352	1542.316	1484.588	1504.379	1577.400	1504.379
20.0	1568.480	1519.077	1478.738	1555.642	1588.126	1555.642	1478.738	1519.077	1568.480	1519.077
22.5	1510.789	1525.596	1519.366	1503.223	1524.837	1503.223	1519.366	1525.596	1510.789	1525.596
25.0	1456.023	1515.159	1548.672	1475.163	1454.271	1475.163	1548.672	1515.159	1456.023	1515.159
27.5	1455.083	1506.997	1505.426	1461.746	1443.166	1461.746	1505.426	1506.997	1455.083	1506.997
30.0	1393.203	1412.307	1394.702	1396.165	1373.178	1396.165	1394.702	1412.307	1393.203	1412.307
32.5	1260.667	1253.968	1223.506	1247.991	1235.081	1247.991	1223.506	1253.968	1260.667	1253.968
35.0	1117.802	1068.995	1049.277	1076.832	1106.751	1076.832	1049.277	1068.995	1117.802	1068.995
37.5	945.721	929.308	918.492	927.268	934.057	927.268	918.492	929.308	945.721	929.308
40.0	743.034	805.619	820.371	774.074	755.115	774.074	820.371	805.619	743.034	805.619
42.5	624.456	668.695	684.838	639.949	633.990	639.949	684.838	668.695	624.456	668.695
45.0	503.223	522.056	512.306	511.999	505.011	511.999	512.306	522.056	503.223	522.056
47.5	374.100	405.446	402.142	387.154	381.376	387.154	402.142	405.446	374.100	405.446
50.0	291.309	307.885	310.919	301.042	292.917	301.042	310.919	307.885	291.309	307.885
52.5	231.993	227.732	227.190	232.877	229.501	232.877	227.190	227.732	231.993	227.732
55.0	184.883	173.110	168.884	181.109	182.500	181.109	168.884	173.110	184.883	173.110
57.5	148.878	139.380	134.956	143.750	147.162	143.750	134.956	139.380	148.878	139.380
60.0	120.619	116.484	112.692	117.549	120.150	117.549	112.692	116.484	120.619	116.484
62.5	96.315	96.206	97.200	95.376	96.910	95.376	97.200	96.206	96.315	96.206
65.0	76.145	80.028	80.804	78.565	77.608	78.565	80.804	80.028	76.145	80.028
67.5	66.485	69.898	70.782	68.237	67.171	68.237	70.782	69.898	66.485	69.898
70.0	60.472	62.675	63.650	61.537	60.761	61.537	63.650	62.675	60.472	62.675
72.5	55.073	55.831	56.590	55.290	55.001	55.290	56.590	55.831	55.073	55.831
75.0	50.902	49.421	50.198	49.692	50.450	49.692	50.198	49.421	50.902	49.421
77.5	47.417	43.806	44.455	44.564	46.803	44.564	44.455	43.806	47.417	43.806
80.0	43.643	39.725	39.761	40.917	43.372	40.917	39.761	39.725	43.643	39.725
82.5	39.472	37.287	36.023	38.407	39.797	38.407	36.023	37.287	39.472	37.287
85.0	35.842	34.958	33.585	35.987	36.403	35.987	33.585	34.958	35.842	34.958
87.5	34.976	33.694	32.845	33.820	35.229	33.820	32.845	33.694	34.976	33.694
90.0	35.608	33.730	33.459	34.507	35.193	34.507	33.459	33.730	35.608	33.730
92.5	35.337	35.788	35.193	36.276	34.687	36.276	35.193	35.788	35.337	35.788
95.0	33.947	36.583	37.414	35.392	33.333	35.392	37.414	36.583	33.947	36.583
97.5	33.297	35.951	38.244	34.814	33.351	34.814	38.244	35.951	33.297	35.951
100.0	34.723	36.853	37.955	35.879	34.903	35.879	37.955	36.853	34.723	36.853
102.5	36.005	37.540	37.865	37.197	36.276	37.197	37.865	37.540	36.005	37.540
105.0	37.107	38.082	38.533	37.829	37.107	37.829	38.533	38.082	37.107	38.082
107.5	37.775	38.497	38.714	38.353	37.702	38.353	38.714	38.497	37.775	38.497
110.0	38.190	38.750	38.587	38.515	38.353	38.515	38.587	38.750	38.190	38.750
112.5	38.443	38.948	38.822	38.641	38.497	38.641	38.822	38.948	38.443	38.948
115.0	39.237	39.743	39.707	39.165	39.075	39.165	39.707	39.743	39.237	39.743
117.5	40.357	40.917	40.610	40.194	40.158	40.194	40.610	40.917	40.357	40.917
120.0	41.440	42.163	41.603	41.187	41.097	41.187	41.603	42.163	41.440	42.163
122.5	42.127	43.083	42.541	41.946	41.820	41.946	42.541	43.083	42.127	43.083
125.0	42.415	43.571	43.228	42.415	42.091	42.415	43.228	43.571	42.415	43.571
127.5	42.614	43.860	44.041	42.848	42.307	42.848	44.041	43.860	42.614	43.860
130.0	42.903	44.455	45.232	43.517	42.740	43.517	45.232	44.455	42.903	44.455
132.5	43.210	45.160	46.171	44.275	43.264	44.275	46.171	45.160	43.210	45.160

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CANDELA TABULATION - (Cont.)

135.0	43.625	45.665	46.821	45.052	44.041	45.052	46.821	45.665	43.625	45.665
137.5	44.329	46.315	47.273	45.954	45.033	45.954	47.273	46.315	44.329	46.315
140.0	45.359	46.947	47.724	46.875	46.207	46.875	47.724	46.947	45.359	46.947
142.5	47.002	47.580	48.067	48.031	47.850	48.031	48.067	47.580	47.002	47.580
145.0	49.439	48.699	48.843	49.837	50.036	49.837	48.843	48.699	49.439	48.699
147.5	51.751	50.613	50.433	52.003	52.509	52.003	50.433	50.613	51.751	50.613
150.0	55.037	54.152	54.224	55.615	56.193	55.615	54.224	54.152	55.037	54.152
152.5	59.732	59.208	59.389	60.328	60.544	60.328	59.389	59.208	59.732	59.208
155.0	62.747	63.614	64.336	64.047	63.487	64.047	64.336	63.614	62.747	63.614
157.5	64.047	66.033	67.153	66.304	65.691	66.304	67.153	66.033	64.047	66.033
160.0	65.600	66.412	67.243	66.846	67.008	66.846	67.243	66.412	65.600	66.412
162.5	66.647	65.655	65.925	65.655	66.846	65.655	65.925	65.655	66.647	65.655
165.0	66.467	64.643	64.571	64.589	65.961	64.589	64.571	64.643	66.467	64.643
167.5	65.925	64.264	63.884	64.228	65.275	64.228	63.884	64.264	65.925	64.264
170.0	64.661	63.722	63.253	63.686	64.300	63.686	63.253	63.722	64.661	63.722
172.5	63.704	63.650	63.000	63.415	63.722	63.415	63.000	63.650	63.704	63.650
175.0	66.792	67.641	67.569	67.514	67.027	67.514	67.569	67.641	66.792	67.641
177.5	74.249	76.218	76.940	76.163	75.026	76.163	76.940	76.218	74.249	76.218
180.0	79.443	79.443	79.443	79.443	79.443	79.443	79.443	79.443	79.443	79.443

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	1337.011	1337.011	1337.011	1337.011	1337.011	1337.011	1337.011
2.5	1333.147	1334.031	1329.553	1334.031	1333.147	1332.478	1328.524
5.0	1317.329	1313.790	1311.732	1313.790	1317.329	1317.798	1316.408
7.5	1345.895	1333.508	1339.972	1333.508	1345.895	1347.772	1347.141
10.0	1438.833	1394.449	1381.214	1394.449	1438.833	1420.649	1394.359
12.5	1478.431	1448.619	1436.684	1448.619	1478.431	1471.642	1452.014
15.0	1490.674	1499.612	1523.411	1499.612	1490.674	1494.628	1526.281
17.5	1484.588	1542.316	1584.352	1542.316	1484.588	1504.379	1577.400
20.0	1478.738	1555.642	1588.126	1555.642	1478.738	1519.077	1568.480
22.5	1519.366	1503.223	1524.837	1503.223	1519.366	1525.596	1510.789
25.0	1548.672	1475.163	1454.271	1475.163	1548.672	1515.159	1456.023
27.5	1505.426	1461.746	1443.166	1461.746	1505.426	1506.997	1455.083
30.0	1394.702	1396.165	1373.178	1396.165	1394.702	1412.307	1393.203
32.5	1223.506	1247.991	1235.081	1247.991	1223.506	1253.968	1260.667
35.0	1049.277	1076.832	1106.751	1076.832	1049.277	1068.995	1117.802
37.5	918.492	927.268	934.057	927.268	918.492	929.308	945.721
40.0	820.371	774.074	755.115	774.074	820.371	805.619	743.034
42.5	684.838	639.949	633.990	639.949	684.838	668.695	624.456
45.0	512.306	511.999	505.011	511.999	512.306	522.056	503.223
47.5	402.142	387.154	381.376	387.154	402.142	405.446	374.100
50.0	310.919	301.042	292.917	301.042	310.919	307.885	291.309
52.5	227.190	232.877	229.501	232.877	227.190	227.732	231.993
55.0	168.884	181.109	182.500	181.109	168.884	173.110	184.883
57.5	134.956	143.750	147.162	143.750	134.956	139.380	148.878
60.0	112.692	117.549	120.150	117.549	112.692	116.484	120.619
62.5	97.200	95.376	96.910	95.376	97.200	96.206	96.315
65.0	80.804	78.565	77.608	78.565	80.804	80.028	76.145
67.5	70.782	68.237	67.171	68.237	70.782	69.898	66.485
70.0	63.650	61.537	60.761	61.537	63.650	62.675	60.472
72.5	56.590	55.290	55.001	55.290	56.590	55.831	55.073
75.0	50.198	49.692	50.450	49.692	50.198	49.421	50.902
77.5	44.455	44.564	46.803	44.564	44.455	43.806	47.417
80.0	39.761	40.917	43.372	40.917	39.761	39.725	43.643

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CANDELA TABULATION - (Cont.)

82.5	36.023	38.407	39.797	38.407	36.023	37.287	39.472
85.0	33.585	35.987	36.403	35.987	33.585	34.958	35.842
87.5	32.845	33.820	35.229	33.820	32.845	33.694	34.976
90.0	33.459	34.507	35.193	34.507	33.459	33.730	35.608
92.5	35.193	36.276	34.687	36.276	35.193	35.788	35.337
95.0	37.414	35.392	33.333	35.392	37.414	36.583	33.947
97.5	38.244	34.814	33.351	34.814	38.244	35.951	33.297
100.0	37.955	35.879	34.903	35.879	37.955	36.853	34.723
102.5	37.865	37.197	36.276	37.197	37.865	37.540	36.005
105.0	38.533	37.829	37.107	37.829	38.533	38.082	37.107
107.5	38.714	38.353	37.702	38.353	38.714	38.497	37.775
110.0	38.587	38.515	38.353	38.515	38.587	38.750	38.190
112.5	38.822	38.641	38.497	38.641	38.822	38.948	38.443
115.0	39.707	39.165	39.075	39.165	39.707	39.743	39.237
117.5	40.610	40.194	40.158	40.194	40.610	40.917	40.357
120.0	41.603	41.187	41.097	41.187	41.603	42.163	41.440
122.5	42.541	41.946	41.820	41.946	42.541	43.083	42.127
125.0	43.228	42.415	42.091	42.415	43.228	43.571	42.415
127.5	44.041	42.848	42.307	42.848	44.041	43.860	42.614
130.0	45.232	43.517	42.740	43.517	45.232	44.455	42.903
132.5	46.171	44.275	43.264	44.275	46.171	45.160	43.210
135.0	46.821	45.052	44.041	45.052	46.821	45.665	43.625
137.5	47.273	45.954	45.033	45.954	47.273	46.315	44.329
140.0	47.724	46.875	46.207	46.875	47.724	46.947	45.359
142.5	48.067	48.031	47.850	48.031	48.067	47.580	47.002
145.0	48.843	49.837	50.036	49.837	48.843	48.699	49.439
147.5	50.433	52.003	52.509	52.003	50.433	50.613	51.751
150.0	54.224	55.615	56.193	55.615	54.224	54.152	55.037
152.5	59.389	60.328	60.544	60.328	59.389	59.208	59.732
155.0	64.336	64.047	63.487	64.047	64.336	63.614	62.747
157.5	67.153	66.304	65.691	66.304	67.153	66.033	64.047
160.0	67.243	66.846	67.008	66.846	67.243	66.412	65.600
162.5	65.925	65.655	66.846	65.655	65.925	65.655	66.647
165.0	64.571	64.589	65.961	64.589	64.571	64.643	66.467
167.5	63.884	64.228	65.275	64.228	63.884	64.264	65.925
170.0	63.253	63.686	64.300	63.686	63.253	63.722	64.661
172.5	63.000	63.415	63.722	63.415	63.000	63.650	63.704
175.0	67.569	67.514	67.027	67.514	67.569	67.641	66.792
177.5	76.940	76.163	75.026	76.163	76.940	76.218	74.249
180.0	79.443	79.443	79.443	79.443	79.443	79.443	79.443

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	553.21	N.A.	18.80
0-30	1241.46	N.A.	42.30
0-40	1915.63	N.A.	65.20
0-60	2486.57	N.A.	84.60
0-80	2622.46	N.A.	89.30
0-90	2661.86	N.A.	90.60
10-90	2533.07	N.A.	86.20
20-40	1362.42	N.A.	46.40
20-50	1764.98	N.A.	60.10
40-70	653.43	N.A.	22.20
60-80	135.89	N.A.	4.60
70-80	53.40	N.A.	1.80
80-90	39.40	N.A.	1.30
90-110	78.68	N.A.	2.70
90-120	118.04	N.A.	4.00
90-130	156.45	N.A.	5.30
90-150	222.76	N.A.	7.60
90-180	276.46	N.A.	9.40
110-180	197.77	N.A.	6.70
0-180	2938.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	128.79
10-20	424.41
20-30	688.25
30-40	674.17
40-50	402.56
50-60	168.39
60-70	82.49
70-80	53.40
80-90	39.40
90-100	38.79
100-110	39.89
110-120	39.36
120-130	38.41
130-140	35.12
140-150	31.19
150-160	28.82
160-170	18.52
170-180	6.36

IES INDOOR REPORT

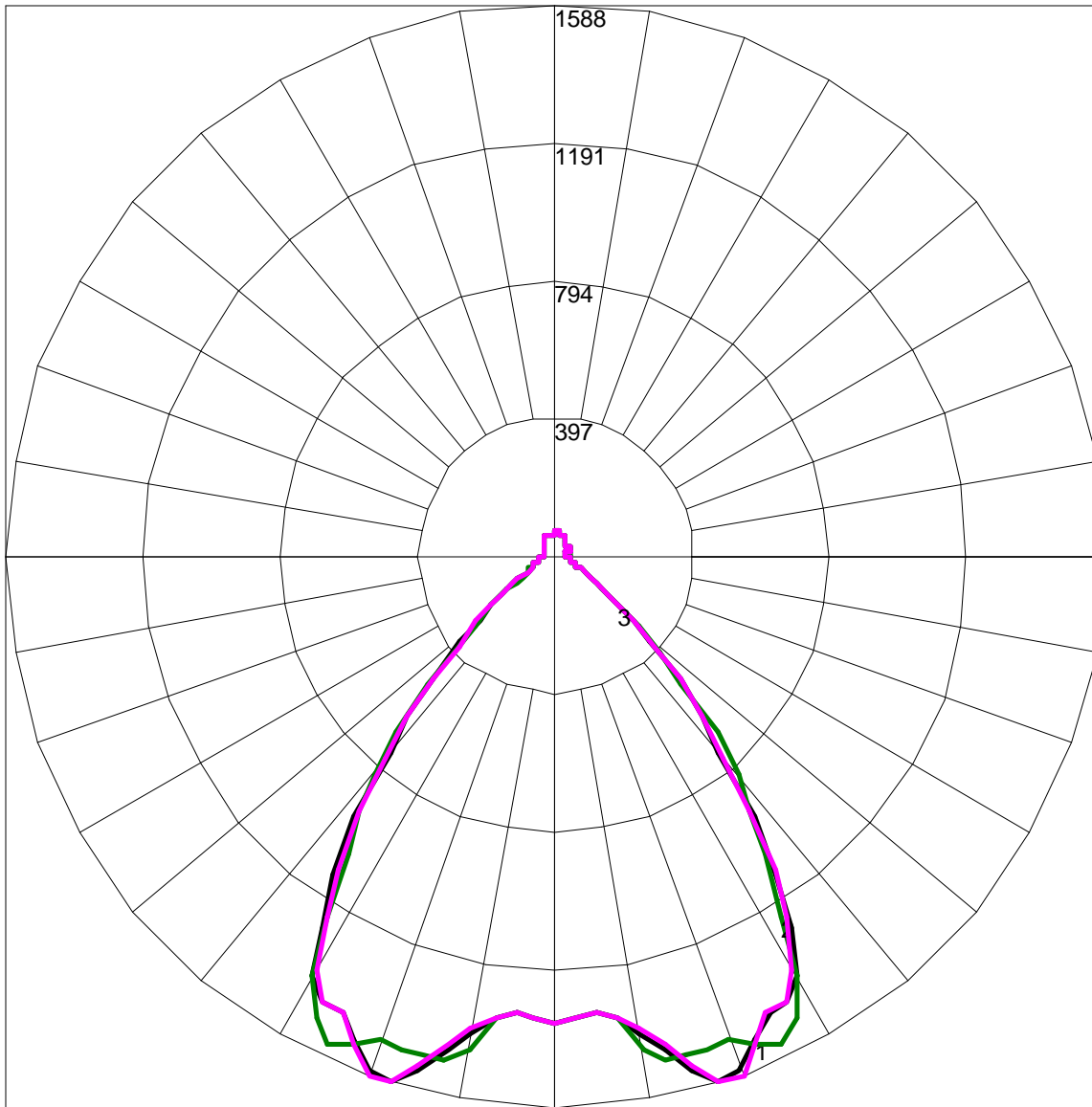
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	91
1	109	105	102	99	106	102	99	97	96	94	92	91	89	87	86	85	83	81
2	102	95	90	85	98	93	88	84	88	84	80	83	80	77	79	77	74	72
3	95	86	80	75	92	84	78	74	80	75	71	76	72	69	73	69	67	64
4	88	79	72	66	85	77	70	65	73	68	63	70	65	62	67	63	60	58
5	82	72	64	59	80	70	63	58	67	61	57	64	59	56	62	58	54	52
6	77	66	58	53	75	64	58	52	62	56	51	59	54	50	57	53	49	47
7	72	61	53	48	70	59	52	48	57	51	47	55	50	46	53	48	45	43
8	67	56	49	44	66	55	48	43	53	47	42	51	46	42	49	45	41	39
9	63	52	45	40	62	51	44	40	49	43	39	47	42	38	46	41	38	36
10	60	48	41	37	58	47	41	36	46	40	36	44	39	35	43	38	35	33

POLAR GRAPH



Maximum Candela = 1588.126 Located At Horizontal Angle = 90, Vertical Angle = 20

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (45 - 225)
- # 3 - Vertical Plane Through Horizontal Angles (90 - 270)