

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PROCTV22LEDGV-150L40KEX-PR22.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB]Intertek

[ISSUE DATE] 6/6/2014

[UPDATE] 12/5/2018

[LAB-REF LUMCAT] 1405080952-001B_M-150L

[MANUFAC]SPECTRUM

[LUMCAT] PROCTV22LEDGV-150L-40K-EX-PR22

[LUMINAIRE] 22" Diam. PROCT Series, Prismatic Acrylic Refractor, Open Aperture

[LAMP] N/A

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] CCT Output Multipliers: 50K x 1.03, 35K x 0.97, 30K x 0.95, 27K x 0.93

[OTHER] This report updated by Spectrum Lighting, scaled from 220W-40K report

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11707
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	102
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.04
Spacing Criterion (90-270)	1.06
Spacing Criterion (Diagonal)	0.96
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.83 ft (Diameter)
Luminous Height	0.58 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4201	3932	4182
55	1777	1865	1716
65	990	1099	947
75	888	858	853
85	1002	763	984

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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>
0.0	9509.962	9509.962	9509.962	9509.962	9509.962
2.5	9506.130	9464.693	9464.034	9499.004	9509.184
5.0	9513.974	9406.729	9376.669	9464.633	9506.908
7.5	9585.471	9352.298	9219.484	9427.567	9558.704
10.0	9722.237	9320.023	9041.700	9423.196	9717.925
12.5	9861.997	9349.124	8974.515	9488.944	9845.829
15.0	9916.308	9429.364	9057.988	9553.615	9948.643
17.5	9769.841	9312.657	9108.167	9429.723	9868.643
20.0	9263.256	9012.718	8865.533	9095.712	9381.579
22.5	8411.823	8428.290	8388.589	8518.708	8452.062
25.0	7466.797	7690.388	7811.945	7729.849	7548.652
27.5	6726.261	6887.877	7104.403	6947.996	6822.787
30.0	5871.653	5957.042	6086.922	6008.778	5949.198
32.5	4875.130	4750.041	4700.520	4839.981	4942.435
35.0	3864.116	3587.351	3440.046	3671.961	3946.332
37.5	2777.713	2748.672	2700.408	2750.229	2801.426
40.0	1842.807	2128.854	2299.272	2027.357	1800.412
42.5	1353.048	1512.329	1666.939	1465.862	1378.138
45.0	1019.637	956.763	954.367	956.284	1015.086
47.5	657.602	634.189	625.686	610.237	608.560
50.0	490.956	517.663	538.201	501.914	473.950
52.5	433.950	455.627	470.417	438.980	420.537
55.0	393.052	403.172	412.394	395.448	379.579
57.5	355.388	362.334	358.202	351.795	342.753
60.0	302.993	307.783	303.532	302.634	294.071
62.5	238.861	249.819	257.843	244.430	227.065
65.0	190.957	204.849	211.855	198.502	182.574
67.5	170.418	180.418	187.365	176.766	161.975
70.0	158.203	164.071	171.436	163.173	151.077
72.5	147.664	147.425	152.215	148.383	141.616
75.0	140.838	132.814	136.167	135.389	135.389
77.5	135.329	123.053	124.610	127.125	129.760
80.0	130.419	117.844	115.149	118.802	127.245
82.5	125.508	111.736	101.976	111.916	124.131
85.0	119.880	103.293	91.317	101.197	117.724
87.5	115.089	98.323	85.030	95.808	114.550
90.0	100.059	95.149	83.832	94.551	98.862
92.5	80.239	93.952	89.820	90.658	78.024
95.0	76.407	89.281	95.209	86.586	76.287
97.5	76.886	82.874	97.245	83.592	76.826
100.0	77.245	83.054	92.455	84.251	78.024
102.5	80.898	84.730	92.634	86.886	80.778
105.0	87.724	90.718	91.916	91.257	87.964
107.5	90.359	93.353	92.095	92.874	88.742
110.0	84.551	90.419	93.892	90.119	81.616
112.5	79.042	83.533	89.281	84.072	77.664
115.0	74.730	78.084	80.598	77.485	75.030
117.5	75.569	75.149	78.203	75.030	74.072
120.0	74.311	76.407	78.383	76.587	75.509
122.5	77.245	79.401	80.000	78.203	78.203
125.0	78.982	82.155	83.592	81.018	79.521

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CANDELA TABULATION - (Cont.)

127.5	82.036	85.389	88.083	83.832	82.754
130.0	87.006	90.658	93.054	89.820	88.024
132.5	92.874	96.646	98.263	95.628	92.574
135.0	98.622	101.796	102.754	100.958	97.784
137.5	106.407	108.263	108.083	107.604	105.928
140.0	114.910	115.628	114.251	115.329	113.952
142.5	122.035	118.503	116.646	119.161	120.419
145.0	127.964	122.814	119.940	125.029	127.365
147.5	135.029	131.856	127.784	132.874	135.508
150.0	146.586	142.335	141.796	146.047	146.946
152.5	157.664	157.065	156.886	160.179	158.981
155.0	165.508	168.383	171.317	172.454	166.047
157.5	170.658	175.927	179.460	178.083	172.514
160.0	177.484	179.221	180.239	178.143	175.868
162.5	181.197	178.083	175.688	174.131	177.005
165.0	179.939	174.430	173.233	171.796	176.706
167.5	180.059	174.430	172.335	171.436	177.005
170.0	182.155	178.802	174.251	173.113	177.724
172.5	188.442	185.388	182.514	178.862	179.341
175.0	204.730	205.149	205.269	202.035	189.221
177.5	229.041	233.173	235.628	234.131	211.915
180.0	242.933	242.933	242.933	242.933	242.933

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3557.45	N.A.	30.40
0-30	7055.55	N.A.	60.30
0-40	9398.18	N.A.	80.30
0-60	10589.91	N.A.	90.50
0-80	10947.78	N.A.	93.50
0-90	11062.71	N.A.	94.50
10-90	10163.9	N.A.	86.80
20-40	5840.73	N.A.	49.90
20-50	6673.2	N.A.	57.00
40-70	1403.68	N.A.	12.00
60-80	357.87	N.A.	3.10
70-80	145.92	N.A.	1.20
80-90	114.92	N.A.	1.00
90-110	189.26	N.A.	1.60
90-120	268.84	N.A.	2.30
90-130	342.45	N.A.	2.90
90-150	499.82	N.A.	4.30
90-180	644.72	N.A.	5.50
110-180	455.46	N.A.	3.90
0-180	11707.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	898.81
10-20	2658.64
20-30	3498.1
30-40	2342.63
40-50	832.47
50-60	359.26
60-70	211.95
70-80	145.92
80-90	114.92
90-100	95.26
100-110	94.00
110-120	79.58
120-130	73.61
130-140	78.52
140-150	78.85
150-160	76.51
160-170	49.86
170-180	18.54

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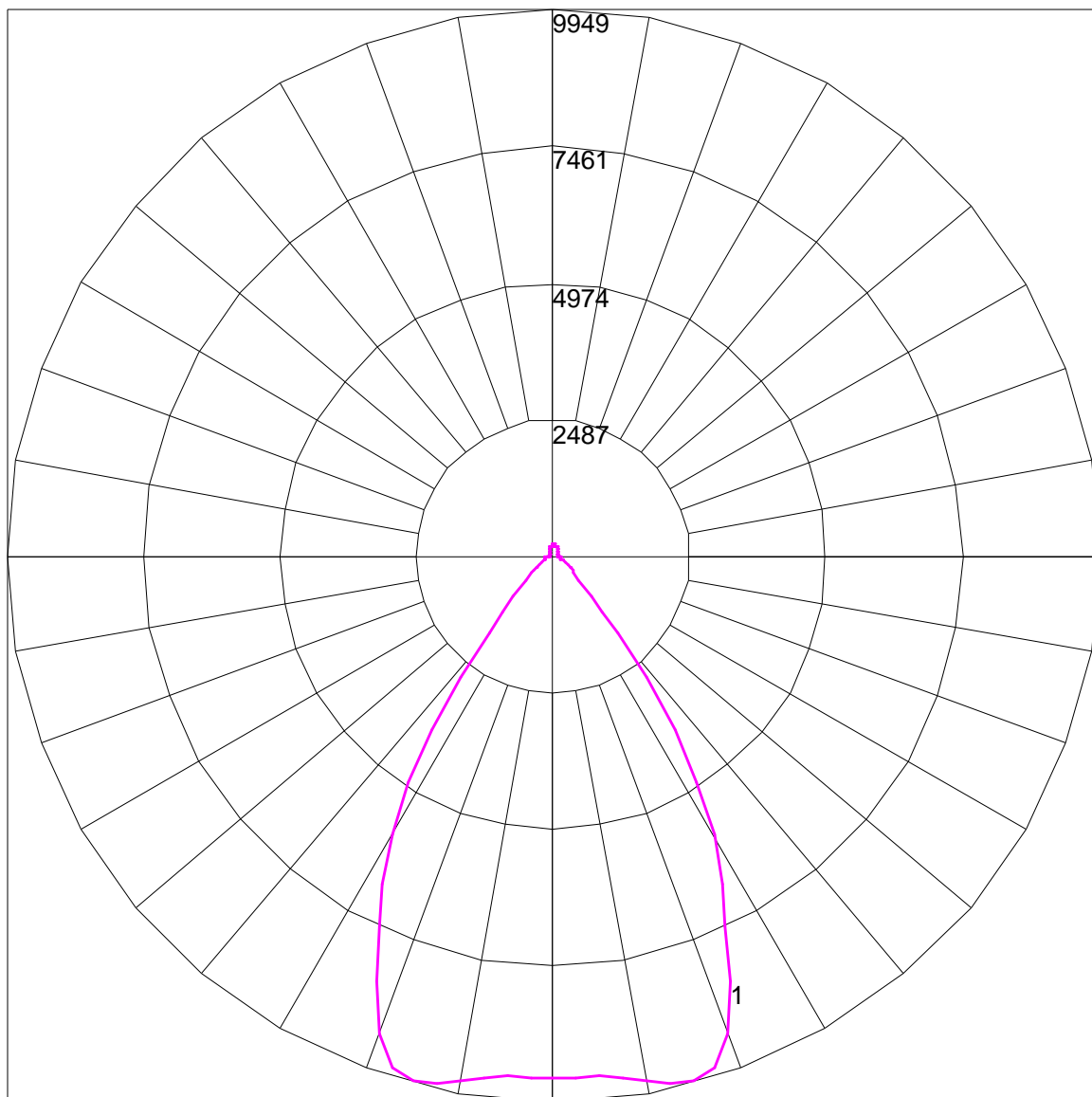
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	111	108	105	102	108	105	102	100	100	98	96	95	94	92	91	90	89	86
2	105	99	94	90	102	97	93	89	93	89	86	89	86	84	85	83	81	79
3	99	91	86	81	96	89	84	80	86	82	78	83	79	76	80	77	74	72
4	93	84	78	74	91	83	77	73	80	75	71	77	73	70	75	71	68	67
5	88	78	72	67	86	77	71	67	75	69	65	72	68	64	70	66	63	62
6	83	73	66	62	81	72	66	61	70	64	60	68	63	59	66	62	59	57
7	78	68	62	57	77	67	61	57	65	60	56	64	59	55	62	58	55	53
8	74	64	57	53	72	63	57	53	61	56	52	60	55	51	58	54	51	49
9	70	60	53	49	69	59	53	49	58	52	48	56	51	48	55	51	48	46
10	67	56	50	46	65	56	50	46	54	49	45	53	48	45	52	48	45	43

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POLAR GRAPH



Maximum Candela = 9948.643 Located At Horizontal Angle = 90, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (0 - 180)