



IES INDOOR REPORT

PHOTOMETRIC FILENAME : QUAD-30-LED35-LO-D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] Quad-30-LED35-LO-D1
 [TESTLAB] Intertek
 [ISSUE DATE] March 13, 2017
 [MANUFAC] Prudential Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5731
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	63
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.17 ft
Luminous Width (90-270)	3.17 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1984	1992	2001
55	1916	1928	1936
65	1817	1838	1846
75	1683	1719	1721
85	1476	1523	1512

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	1972.554	1972.554	1972.554	1972.554	1972.554	1972.554	1972.554	1972.554	1972.554	1972.554
2.5	1970.579	1970.656	1970.077	1969.894	1970.541	1969.894	1970.077	1970.656	1970.579	1970.656
5.0	1963.478	1963.798	1963.731	1962.934	1963.974	1962.934	1963.731	1963.798	1963.478	1963.798
7.5	1952.189	1952.403	1952.461	1952.272	1952.934	1952.272	1952.461	1952.403	1952.189	1952.403
10.0	1936.218	1936.422	1936.627	1936.355	1937.123	1936.355	1936.627	1936.422	1936.218	1936.422
12.5	1916.003	1916.067	1916.224	1916.682	1917.475	1916.682	1916.224	1916.067	1916.003	1916.067
15.0	1891.645	1891.597	1892.330	1892.746	1893.939	1892.746	1892.330	1891.597	1891.645	1891.597
17.5	1862.877	1863.216	1863.923	1864.685	1865.878	1864.685	1863.923	1863.216	1862.877	1863.216
20.0	1830.134	1830.803	1832.099	1832.102	1834.173	1832.102	1832.099	1830.803	1830.134	1830.803
22.5	1793.674	1793.818	1794.938	1795.952	1797.738	1795.952	1794.938	1793.818	1793.674	1793.818
25.0	1752.790	1753.398	1754.694	1756.272	1757.917	1756.272	1754.694	1753.398	1752.790	1753.398
27.5	1708.758	1709.190	1710.589	1712.291	1714.774	1712.291	1710.589	1709.190	1708.758	1709.190
30.0	1659.085	1661.718	1662.976	1664.678	1668.035	1664.678	1662.976	1661.718	1659.085	1661.718
32.5	1607.066	1610.598	1612.381	1614.419	1617.744	1614.419	1612.381	1610.598	1607.066	1610.598
35.0	1553.120	1555.712	1558.707	1560.877	1563.597	1560.877	1558.707	1555.712	1553.120	1555.712
37.5	1497.450	1498.240	1501.328	1503.920	1506.435	1503.920	1501.328	1498.240	1497.450	1498.240
40.0	1438.627	1438.291	1441.923	1444.643	1446.989	1444.643	1441.923	1438.291	1438.627	1438.291
42.5	1375.990	1375.533	1379.050	1382.112	1384.832	1382.112	1379.050	1375.533	1375.990	1375.533
45.0	1308.371	1309.722	1313.786	1316.762	1319.507	1316.762	1313.786	1309.722	1308.371	1309.722
47.5	1238.944	1241.456	1245.536	1249.581	1251.197	1249.581	1245.536	1241.456	1238.944	1241.456
50.0	1169.014	1171.693	1175.530	1180.230	1180.886	1180.230	1175.530	1171.693	1169.014	1171.693
52.5	1098.074	1100.013	1104.029	1108.365	1109.200	1108.365	1104.029	1100.013	1098.074	1100.013
55.0	1024.797	1026.157	1031.146	1034.982	1035.696	1034.982	1031.146	1026.157	1024.797	1026.157
57.5	948.915	951.062	956.304	960.525	960.045	960.525	956.304	951.062	948.915	951.062
60.0	871.619	874.714	879.450	884.634	883.200	884.634	879.450	874.714	871.619	874.714
62.5	793.805	797.789	802.067	807.098	805.690	807.098	802.067	797.789	793.805	797.789
65.0	716.054	721.018	724.438	728.598	727.555	728.598	724.438	721.018	716.054	721.018
67.5	638.938	642.813	646.934	650.845	648.810	650.845	646.934	642.813	638.938	642.813
70.0	561.200	564.733	569.754	572.902	570.058	572.902	569.754	564.733	561.200	564.733
72.5	483.398	487.917	491.514	495.549	492.605	495.549	491.514	487.917	483.398	487.917
75.0	406.282	412.630	414.982	418.752	415.373	418.752	414.982	412.630	406.282	412.630
77.5	331.734	337.568	340.698	342.336	339.654	342.336	340.698	337.568	331.734	337.568
80.0	259.062	263.830	266.422	267.699	264.538	267.699	266.422	263.830	259.062	263.830
82.5	188.653	191.888	193.798	195.056	192.064	195.056	193.798	191.888	188.653	191.888
85.0	119.994	122.710	123.814	125.462	122.896	125.462	123.814	122.710	119.994	122.710
87.5	54.883	57.210	57.590	59.443	57.187	59.443	57.590	57.210	54.883	57.210
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	225.0	247.5	270.0	292.5	315.0	337.5	360.0
0.0	1972.554	1972.554	1972.554	1972.554	1972.554	1972.554	1972.554
2.5	1970.077	1969.894	1970.541	1969.894	1970.077	1970.656	1970.579
5.0	1963.731	1962.934	1963.974	1962.934	1963.731	1963.798	1963.478
7.5	1952.461	1952.272	1952.934	1952.272	1952.461	1952.403	1952.189
10.0	1936.627	1936.355	1937.123	1936.355	1936.627	1936.422	1936.218
12.5	1916.224	1916.682	1917.475	1916.682	1916.224	1916.067	1916.003
15.0	1892.330	1892.746	1893.939	1892.746	1892.330	1891.597	1891.645
17.5	1863.923	1864.685	1865.878	1864.685	1863.923	1863.216	1862.877
20.0	1832.099	1832.102	1834.173	1832.102	1832.099	1830.803	1830.134
22.5	1794.938	1795.952	1797.738	1795.952	1794.938	1793.818	1793.674
25.0	1754.694	1756.272	1757.917	1756.272	1754.694	1753.398	1752.790
27.5	1710.589	1712.291	1714.774	1712.291	1710.589	1709.190	1708.758
30.0	1662.976	1664.678	1668.035	1664.678	1662.976	1661.718	1659.085
32.5	1612.381	1614.419	1617.744	1614.419	1612.381	1610.598	1607.066
35.0	1558.707	1560.877	1563.597	1560.877	1558.707	1555.712	1553.120
37.5	1501.328	1503.920	1506.435	1503.920	1501.328	1498.240	1497.450
40.0	1441.923	1444.643	1446.989	1444.643	1441.923	1438.291	1438.627
42.5	1379.050	1382.112	1384.832	1382.112	1379.050	1375.533	1375.990
45.0	1313.786	1316.762	1319.507	1316.762	1313.786	1309.722	1308.371
47.5	1245.536	1249.581	1251.197	1249.581	1245.536	1241.456	1238.944
50.0	1175.530	1180.230	1180.886	1180.230	1175.530	1171.693	1169.014
52.5	1104.029	1108.365	1109.200	1108.365	1104.029	1100.013	1098.074
55.0	1031.146	1034.982	1035.696	1034.982	1031.146	1026.157	1024.797
57.5	956.304	960.525	960.045	960.525	956.304	951.062	948.915
60.0	879.450	884.634	883.200	884.634	879.450	874.714	871.619
62.5	802.067	807.098	805.690	807.098	802.067	797.789	793.805
65.0	724.438	728.598	727.555	728.598	724.438	721.018	716.054
67.5	646.934	650.845	648.810	650.845	646.934	642.813	638.938
70.0	569.754	572.902	570.058	572.902	569.754	564.733	561.200
72.5	491.514	495.549	492.605	495.549	491.514	487.917	483.398
75.0	414.982	418.752	415.373	418.752	414.982	412.630	406.282
77.5	340.698	342.336	339.654	342.336	340.698	337.568	331.734
80.0	266.422	267.699	264.538	267.699	266.422	263.830	259.062

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CANDELA TABULATION - (Cont.)

82.5	193.798	195.056	192.064	195.056	193.798	191.888	188.653
85.0	123.814	125.462	122.896	125.462	123.814	122.710	119.994
87.5	57.590	59.443	57.187	59.443	57.590	57.210	54.883
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	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	720.61	N.A.	12.60
0-30	1529.32	N.A.	26.70
0-40	2504.21	N.A.	43.70
0-60	4438.26	N.A.	77.40
0-80	5592.85	N.A.	97.60
0-90	5730.57	N.A.	100.00
10-90	5543.99	N.A.	96.70
20-40	1783.61	N.A.	31.10
20-50	2796.67	N.A.	48.80
40-70	2650.59	N.A.	46.30
60-80	1154.59	N.A.	20.10
70-80	438.05	N.A.	7.60
80-90	137.72	N.A.	2.40
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	5730.57	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	186.58
10-20	534.03
20-30	808.72
30-40	974.89
40-50	1013.06
50-60	920.99
60-70	716.54
70-80	438.05
80-90	137.72
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

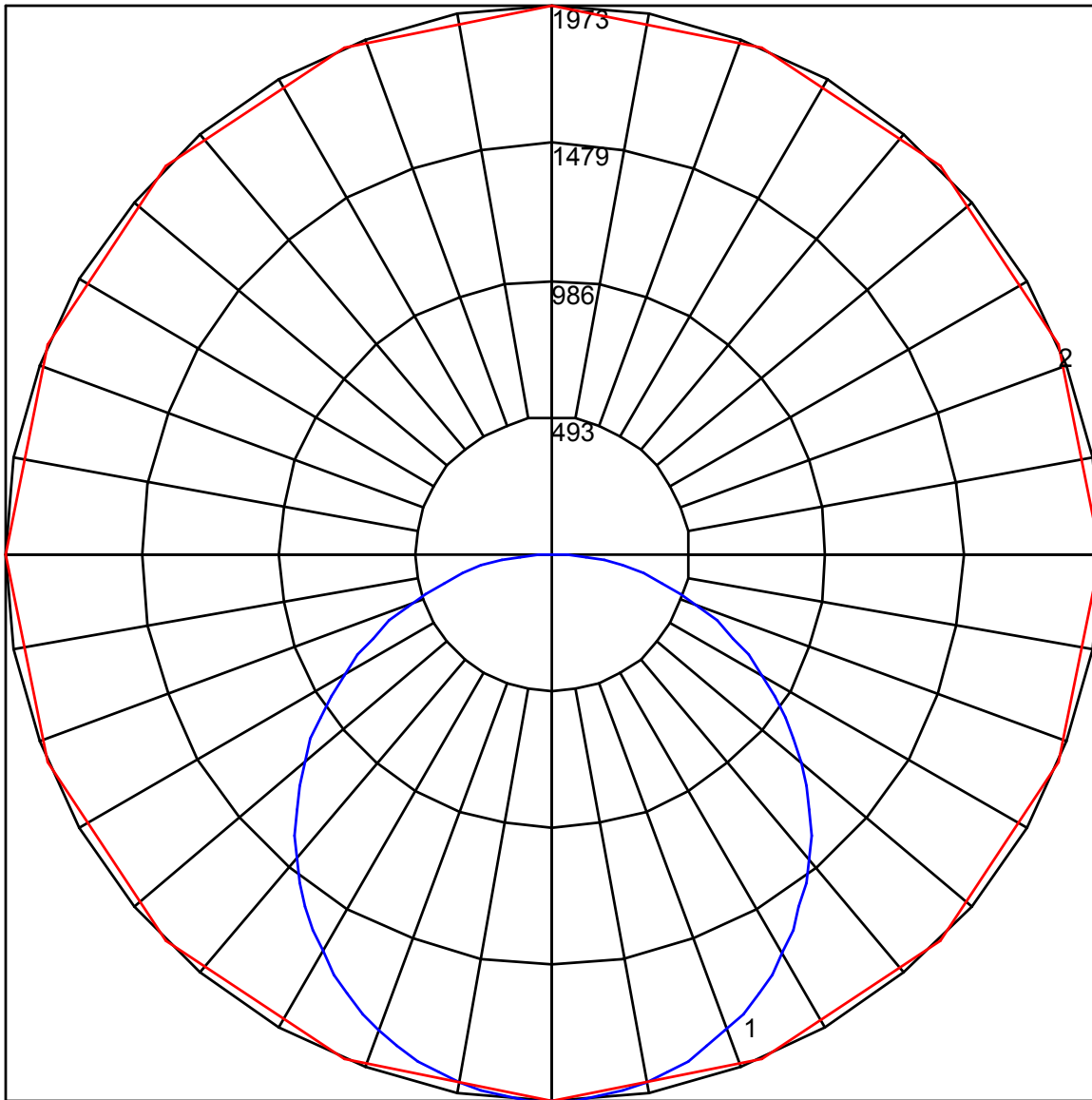
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	25	36	30	25	24

POLAR GRAPH



Maximum Candela = 1972.554 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.)