



IES INDOOR REPORT

PHOTOMETRIC FILENAME : QUAD-30-LED35-LO-D1-PATTERNS.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	4119
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
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	1426	1432	1438
55	1377	1386	1392
65	1306	1321	1327
75	1210	1236	1237
85	1061	1095	1087

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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	1417.773	1417.773	1417.773	1417.773	1417.773	1417.773	1417.773	1417.773	1417.773	1417.773
2.5	1416.354	1416.409	1415.993	1415.862	1416.326	1415.862	1415.993	1416.409	1416.354	1416.409
5.0	1411.250	1411.480	1411.432	1410.859	1411.607	1410.859	1411.432	1411.480	1411.250	1411.480
7.5	1403.136	1403.290	1403.331	1403.196	1403.672	1403.196	1403.331	1403.290	1403.136	1403.290
10.0	1391.656	1391.804	1391.951	1391.755	1392.307	1391.755	1391.951	1391.804	1391.656	1391.804
12.5	1377.127	1377.173	1377.286	1377.615	1378.185	1377.615	1377.286	1377.173	1377.127	1377.173
15.0	1359.620	1359.585	1360.112	1360.411	1361.269	1360.411	1360.112	1359.585	1359.620	1359.585
17.5	1338.943	1339.187	1339.695	1340.242	1341.100	1340.242	1339.695	1339.187	1338.943	1339.187
20.0	1315.409	1315.890	1316.821	1316.824	1318.312	1316.824	1316.821	1315.890	1315.409	1315.890
22.5	1289.203	1289.306	1290.111	1290.841	1292.124	1290.841	1290.111	1289.306	1289.203	1289.306
25.0	1259.818	1260.255	1261.187	1262.321	1263.503	1262.321	1261.187	1260.255	1259.818	1260.255
27.5	1228.170	1228.481	1229.486	1230.709	1232.494	1230.709	1229.486	1228.481	1228.170	1228.481
30.0	1192.467	1194.360	1195.264	1196.488	1198.900	1196.488	1195.264	1194.360	1192.467	1194.360
32.5	1155.078	1157.618	1158.899	1160.364	1162.754	1160.364	1158.899	1157.618	1155.078	1157.618
35.0	1116.305	1118.168	1120.321	1121.880	1123.835	1121.880	1120.321	1118.168	1116.305	1118.168
37.5	1076.292	1076.860	1079.080	1080.943	1082.750	1080.943	1079.080	1076.860	1076.292	1076.860
40.0	1034.013	1033.772	1036.382	1038.337	1040.023	1038.337	1036.382	1033.772	1034.013	1033.772
42.5	988.993	988.664	991.192	993.393	995.348	993.393	991.192	988.664	988.993	988.664
45.0	940.392	941.362	944.283	946.422	948.396	946.422	944.283	941.362	940.392	941.362
47.5	890.491	892.297	895.229	898.136	899.298	898.136	895.229	892.297	890.491	892.297
50.0	840.229	842.154	844.912	848.291	848.762	848.291	844.912	842.154	840.229	842.154
52.5	789.240	790.634	793.521	796.637	797.238	796.637	793.521	790.634	789.240	790.634
55.0	736.573	737.550	741.136	743.894	744.407	743.894	741.136	737.550	736.573	737.550
57.5	682.033	683.576	687.344	690.377	690.032	690.377	687.344	683.576	682.033	683.576
60.0	626.476	628.700	632.104	635.830	634.800	635.830	632.104	628.700	626.476	628.700
62.5	570.547	573.411	576.486	580.101	579.089	580.101	576.486	573.411	570.547	573.411
65.0	514.664	518.231	520.690	523.680	522.930	523.680	520.690	518.231	514.664	518.231
67.5	459.236	462.022	464.984	467.795	466.332	467.795	464.984	462.022	459.236	462.022
70.0	403.363	405.902	409.510	411.774	409.729	411.774	409.510	405.902	403.363	405.902
72.5	347.443	350.690	353.275	356.176	354.060	356.176	353.275	350.690	347.443	350.690
75.0	292.015	296.578	298.269	300.978	298.549	300.978	298.269	296.578	292.015	296.578
77.5	238.434	242.627	244.876	246.054	244.127	246.054	244.876	242.627	238.434	242.627
80.0	186.201	189.628	191.491	192.409	190.136	192.409	191.491	189.628	186.201	189.628
82.5	135.594	137.920	139.293	140.197	138.046	140.197	139.293	137.920	135.594	137.920
85.0	86.245	88.198	88.992	90.176	88.332	90.176	88.992	88.198	86.245	88.198
87.5	39.447	41.119	41.393	42.725	41.103	42.725	41.393	41.119	39.447	41.119
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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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**

	<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	1417.773	1417.773	1417.773	1417.773	1417.773	1417.773	1417.773
2.5	1415.993	1415.862	1416.326	1415.862	1415.993	1416.409	1416.354
5.0	1411.432	1410.859	1411.607	1410.859	1411.432	1411.480	1411.250
7.5	1403.331	1403.196	1403.672	1403.196	1403.331	1403.290	1403.136
10.0	1391.951	1391.755	1392.307	1391.755	1391.951	1391.804	1391.656
12.5	1377.286	1377.615	1378.185	1377.615	1377.286	1377.173	1377.127
15.0	1360.112	1360.411	1361.269	1360.411	1360.112	1359.585	1359.620
17.5	1339.695	1340.242	1341.100	1340.242	1339.695	1339.187	1338.943
20.0	1316.821	1316.824	1318.312	1316.824	1316.821	1315.890	1315.409
22.5	1290.111	1290.841	1292.124	1290.841	1290.111	1289.306	1289.203
25.0	1261.187	1262.321	1263.503	1262.321	1261.187	1260.255	1259.818
27.5	1229.486	1230.709	1232.494	1230.709	1229.486	1228.481	1228.170
30.0	1195.264	1196.488	1198.900	1196.488	1195.264	1194.360	1192.467
32.5	1158.899	1160.364	1162.754	1160.364	1158.899	1157.618	1155.078
35.0	1120.321	1121.880	1123.835	1121.880	1120.321	1118.168	1116.305
37.5	1079.080	1080.943	1082.750	1080.943	1079.080	1076.860	1076.292
40.0	1036.382	1038.337	1040.023	1038.337	1036.382	1033.772	1034.013
42.5	991.192	993.393	995.348	993.393	991.192	988.664	988.993
45.0	944.283	946.422	948.396	946.422	944.283	941.362	940.392
47.5	895.229	898.136	899.298	898.136	895.229	892.297	890.491
50.0	844.912	848.291	848.762	848.291	844.912	842.154	840.229
52.5	793.521	796.637	797.238	796.637	793.521	790.634	789.240
55.0	741.136	743.894	744.407	743.894	741.136	737.550	736.573
57.5	687.344	690.377	690.032	690.377	687.344	683.576	682.033
60.0	632.104	635.830	634.800	635.830	632.104	628.700	626.476
62.5	576.486	580.101	579.089	580.101	576.486	573.411	570.547
65.0	520.690	523.680	522.930	523.680	520.690	518.231	514.664
67.5	464.984	467.795	466.332	467.795	464.984	462.022	459.236
70.0	409.510	411.774	409.729	411.774	409.510	405.902	403.363
72.5	353.275	356.176	354.060	356.176	353.275	350.690	347.443
75.0	298.269	300.978	298.549	300.978	298.269	296.578	292.015
77.5	244.876	246.054	244.127	246.054	244.876	242.627	238.434
80.0	191.491	192.409	190.136	192.409	191.491	189.628	186.201

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CANDELA TABULATION - (Cont.)

82.5	139.293	140.197	138.046	140.197	139.293	137.920	135.594
85.0	88.992	90.176	88.332	90.176	88.992	88.198	86.245
87.5	41.393	42.725	41.103	42.725	41.393	41.119	39.447
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	517.94	N.A.	12.60
0-30	1099.2	N.A.	26.70
0-40	1799.9	N.A.	43.70
0-60	3190.00	N.A.	77.40
0-80	4019.86	N.A.	97.60
0-90	4118.85	N.A.	100.00
10-90	3984.74	N.A.	96.70
20-40	1281.97	N.A.	31.10
20-50	2010.1	N.A.	48.80
40-70	1905.11	N.A.	46.30
60-80	829.86	N.A.	20.10
70-80	314.85	N.A.	7.60
80-90	98.98	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	4118.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	134.10
10-20	383.83
20-30	581.27
30-40	700.70
40-50	728.14
50-60	661.96
60-70	515.02
70-80	314.85
80-90	98.98
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

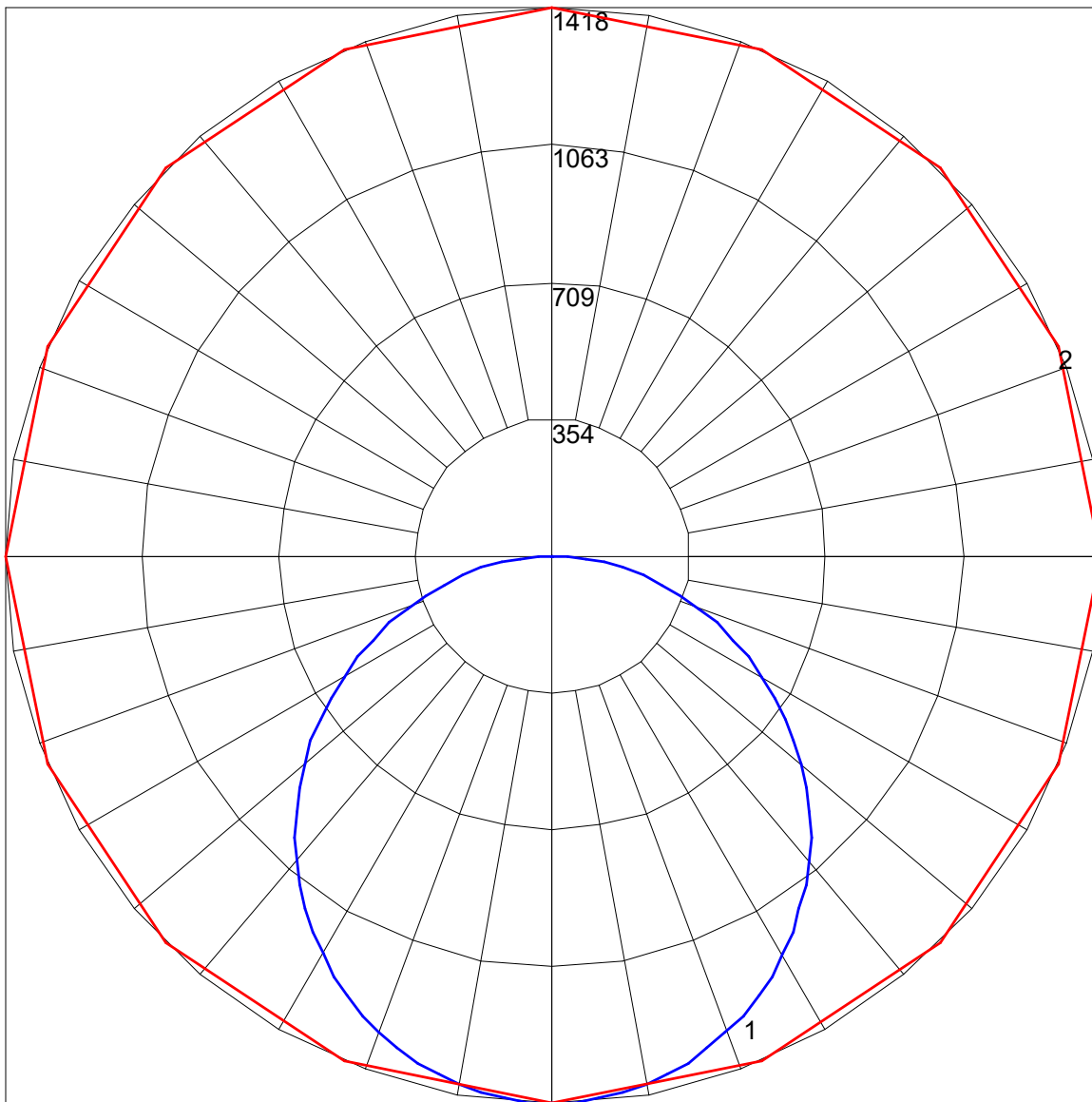
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1417.773 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.)