



IES INDOOR REPORT

PHOTOMETRIC FILENAME : C-30-LED35-HO-D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] C-30-LED35-HO-D1
 [TESTLAB] Intertek
 [ISSUE DATE] March 6, 2017
 [MANUFAC] Prudential Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4170
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	69
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	Unknown
Luminous Length (0-180)	3.00 ft (Diameter)
Luminous Width (90-270)	2.17 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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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	1443.494	1443.494	1443.494	1443.494	1443.494	1443.494	1443.494	1443.494	1443.494	1443.494
2.5	1449.214	1443.312	1439.984	1438.996	1440.322	1438.996	1439.984	1443.312	1449.214	1443.312
5.0	1443.962	1438.294	1434.836	1434.030	1435.252	1434.030	1434.836	1438.294	1443.962	1438.294
7.5	1435.824	1430.156	1426.594	1425.788	1427.426	1425.788	1426.594	1430.156	1435.824	1430.156
10.0	1424.072	1418.664	1415.466	1414.582	1415.882	1414.582	1415.466	1418.664	1424.072	1418.664
12.5	1409.668	1404.234	1400.984	1400.178	1401.452	1400.178	1400.984	1404.234	1409.668	1404.234
15.0	1392.170	1386.892	1383.304	1382.576	1383.512	1382.576	1383.304	1386.892	1392.170	1386.892
17.5	1371.344	1366.482	1362.322	1361.594	1362.322	1361.594	1362.322	1366.482	1371.344	1366.482
20.0	1347.684	1342.718	1338.142	1337.310	1338.558	1337.310	1338.142	1342.718	1347.684	1342.718
22.5	1321.216	1315.678	1311.024	1310.634	1311.648	1310.634	1311.024	1315.678	1321.216	1315.678
25.0	1291.836	1285.986	1281.384	1281.280	1282.658	1281.280	1281.384	1285.986	1291.836	1285.986
27.5	1258.582	1253.668	1249.508	1249.482	1250.964	1249.482	1249.508	1253.668	1258.582	1253.668
30.0	1222.858	1219.218	1214.850	1215.136	1216.280	1215.136	1214.850	1219.218	1222.858	1219.218
32.5	1185.314	1182.194	1177.618	1178.346	1178.450	1178.346	1177.618	1182.194	1185.314	1182.194
35.0	1146.470	1142.596	1137.630	1138.254	1138.488	1138.254	1137.630	1142.596	1146.470	1142.596
37.5	1105.624	1100.502	1095.562	1096.082	1096.472	1096.082	1095.562	1100.502	1105.624	1100.502
40.0	1061.788	1056.406	1051.570	1051.752	1052.272	1051.752	1051.570	1056.406	1061.788	1056.406
42.5	1014.754	1010.282	1005.550	1005.940	1006.512	1005.940	1005.550	1010.282	1014.754	1010.282
45.0	965.718	962.208	957.710	958.230	958.646	958.230	957.710	962.208	965.718	962.208
47.5	915.798	912.158	907.998	908.232	908.830	908.232	907.998	912.158	915.798	912.158
50.0	865.254	860.496	856.752	856.414	857.246	856.414	856.752	860.496	865.254	860.496
52.5	813.436	807.430	803.946	802.828	803.972	802.828	803.946	807.430	813.436	807.430
55.0	759.278	753.480	749.632	748.098	749.554	748.098	749.632	753.480	759.278	753.480
57.5	702.910	698.100	694.148	692.458	694.304	692.458	694.148	698.100	702.910	698.100
60.0	645.814	641.420	637.468	635.908	638.248	635.908	637.468	641.420	645.814	641.420
62.5	589.108	583.960	580.190	578.942	581.412	578.942	580.190	583.960	589.108	583.960
65.0	532.506	526.162	522.496	521.456	524.394	521.456	522.496	526.162	532.506	526.162
67.5	475.072	468.416	464.646	463.736	467.168	463.736	464.646	468.416	475.072	468.416
70.0	416.936	410.592	406.744	405.860	410.020	405.860	406.744	410.592	416.936	410.592
72.5	359.242	353.132	349.258	348.790	353.470	348.790	349.258	353.132	359.242	353.132
75.0	302.640	296.192	292.526	292.656	298.038	292.656	292.526	296.192	302.640	296.192
77.5	247.000	240.214	236.990	237.718	243.152	237.718	236.990	240.214	247.000	240.214
80.0	192.062	186.082	183.144	184.236	188.864	184.236	183.144	186.082	192.062	186.082
82.5	138.398	133.978	131.456	132.418	136.058	132.418	131.456	133.978	138.398	133.978
85.0	86.996	83.928	82.368	82.628	85.774	82.628	82.368	83.928	86.996	83.928
87.5	38.402	36.348	36.218	35.724	38.012	35.724	36.218	36.348	38.402	36.348
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

	225.0	247.5	270.0	292.5	315.0	337.5	360.0
0.0	1443.494	1443.494	1443.494	1443.494	1443.494	1443.494	1443.494
2.5	1439.984	1438.996	1440.322	1438.996	1439.984	1443.312	1449.214
5.0	1434.836	1434.030	1435.252	1434.030	1434.836	1438.294	1443.962
7.5	1426.594	1425.788	1427.426	1425.788	1426.594	1430.156	1435.824
10.0	1415.466	1414.582	1415.882	1414.582	1415.466	1418.664	1424.072
12.5	1400.984	1400.178	1401.452	1400.178	1400.984	1404.234	1409.668
15.0	1383.304	1382.576	1383.512	1382.576	1383.304	1386.892	1392.170
17.5	1362.322	1361.594	1362.322	1361.594	1362.322	1366.482	1371.344
20.0	1338.142	1337.310	1338.558	1337.310	1338.142	1342.718	1347.684
22.5	1311.024	1310.634	1311.648	1310.634	1311.024	1315.678	1321.216
25.0	1281.384	1281.280	1282.658	1281.280	1281.384	1285.986	1291.836
27.5	1249.508	1249.482	1250.964	1249.482	1249.508	1253.668	1258.582
30.0	1214.850	1215.136	1216.280	1215.136	1214.850	1219.218	1222.858
32.5	1177.618	1178.346	1178.450	1178.346	1177.618	1182.194	1185.314
35.0	1137.630	1138.254	1138.488	1138.254	1137.630	1142.596	1146.470
37.5	1095.562	1096.082	1096.472	1096.082	1095.562	1100.502	1105.624
40.0	1051.570	1051.752	1052.272	1051.752	1051.570	1056.406	1061.788
42.5	1005.550	1005.940	1006.512	1005.940	1005.550	1010.282	1014.754
45.0	957.710	958.230	958.646	958.230	957.710	962.208	965.718
47.5	907.998	908.232	908.830	908.232	907.998	912.158	915.798
50.0	856.752	856.414	857.246	856.414	856.752	860.496	865.254
52.5	803.946	802.828	803.972	802.828	803.946	807.430	813.436
55.0	749.632	748.098	749.554	748.098	749.632	753.480	759.278
57.5	694.148	692.458	694.304	692.458	694.148	698.100	702.910
60.0	637.468	635.908	638.248	635.908	637.468	641.420	645.814
62.5	580.190	578.942	581.412	578.942	580.190	583.960	589.108
65.0	522.496	521.456	524.394	521.456	522.496	526.162	532.506
67.5	464.646	463.736	467.168	463.736	464.646	468.416	475.072
70.0	406.744	405.860	410.020	405.860	406.744	410.592	416.936
72.5	349.258	348.790	353.470	348.790	349.258	353.132	359.242
75.0	292.526	292.656	298.038	292.656	292.526	296.192	302.640
77.5	236.990	237.718	243.152	237.718	236.990	240.214	247.000
80.0	183.144	184.236	188.864	184.236	183.144	186.082	192.062

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CANDELA TABULATION - (Cont.)

82.5	131.456	132.418	136.058	132.418	131.456	133.978	138.398
85.0	82.368	82.628	85.774	82.628	82.368	83.928	86.996
87.5	36.218	35.724	38.012	35.724	36.218	36.348	38.402
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	527.37	N.A.	12.60
0-30	1119.1	N.A.	26.80
0-40	1832.35	N.A.	43.90
0-60	3244.17	N.A.	77.80
0-80	4075.83	N.A.	97.70
0-90	4170.29	N.A.	100.00
10-90	4033.76	N.A.	96.70
20-40	1304.98	N.A.	31.30
20-50	2045.37	N.A.	49.00
40-70	1930.97	N.A.	46.30
60-80	831.66	N.A.	19.90
70-80	312.51	N.A.	7.50
80-90	94.46	N.A.	2.30
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	4170.29	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	136.52
10-20	390.85
20-30	591.73
30-40	713.25
40-50	740.40
50-60	671.42
60-70	519.15
70-80	312.51
80-90	94.46
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

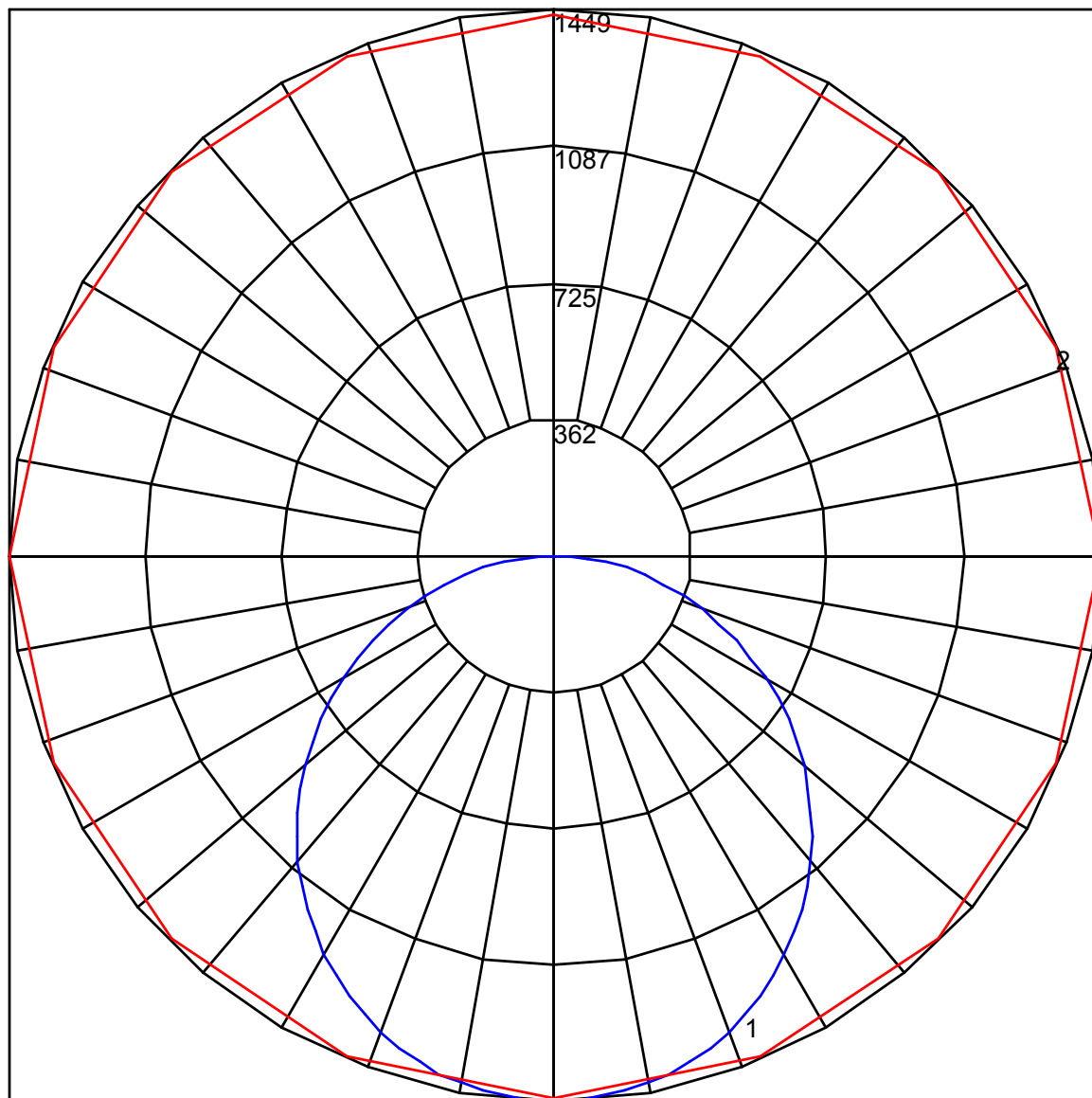
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	70	56	47	40	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 1449.214 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)