



IES INDOOR REPORT

PHOTOMETRIC FILENAME : C-30-LED35-LO-D9.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] C-30-LED35-LO-D9
 [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	2634
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	35
Ballast Factor	1.00
CIE Type	Semi-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)	3.88 ft (Diameter)
Luminous Width (90-270)	3.33 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	613.088	613.088	613.088	613.088	613.088	613.088	613.088	613.088	613.088	613.088
2.5	615.247	616.318	612.085	608.889	610.079	608.889	612.085	616.318	615.247	616.318
5.0	613.369	614.270	609.977	607.062	608.158	607.062	609.977	614.270	613.369	614.270
7.5	609.255	610.530	606.654	603.815	605.158	603.815	606.654	610.530	609.255	610.530
10.0	603.696	605.226	601.477	598.553	599.335	598.553	601.477	605.226	603.696	605.226
12.5	597.992	598.451	594.728	591.277	592.586	591.277	594.728	598.451	597.992	598.451
15.0	589.280	590.113	586.874	584.562	584.528	584.562	586.874	590.113	589.280	590.113
17.5	579.845	580.882	578.281	575.093	575.926	575.093	578.281	580.882	579.845	580.882
20.0	568.956	570.920	567.001	565.454	565.556	565.454	567.001	570.920	568.956	570.920
22.5	558.212	558.697	556.461	553.019	554.396	553.019	556.461	558.697	558.212	558.697
25.0	545.437	547.375	543.609	542.428	541.178	542.428	543.609	547.375	545.437	547.375
27.5	532.262	532.364	529.899	527.672	527.612	527.672	529.899	532.364	532.262	532.364
30.0	517.531	517.888	514.820	513.655	512.907	513.655	514.820	517.888	517.531	517.888
32.5	500.965	502.333	499.477	497.760	495.992	497.760	499.477	502.333	500.965	502.333
35.0	484.271	484.857	482.341	481.568	480.157	481.568	482.341	484.857	484.271	484.857
37.5	466.387	466.633	464.602	463.157	463.242	463.157	464.602	466.633	466.387	466.633
40.0	447.279	447.857	445.239	445.256	444.814	445.256	445.239	447.857	447.279	447.857
42.5	426.921	426.666	425.842	424.550	424.524	424.550	425.842	426.666	426.921	426.666
45.0	406.538	406.334	404.923	405.357	403.946	405.357	404.923	406.334	406.538	406.334
47.5	384.430	384.226	383.843	383.656	384.438	383.656	383.843	384.226	384.430	384.226
50.0	362.381	362.670	361.692	361.930	361.845	361.930	361.692	362.670	362.381	362.670
52.5	340.102	339.703	338.700	339.184	338.972	339.184	338.700	339.703	340.102	339.703
55.0	316.931	316.719	315.121	315.622	315.563	315.622	315.121	316.719	316.931	316.719
57.5	293.352	293.216	293.055	292.468	292.817	292.468	293.055	293.216	293.352	293.216
60.0	270.003	269.374	268.532	268.957	269.289	268.957	268.532	269.374	270.003	269.374
62.5	246.033	245.514	245.880	244.384	244.401	244.384	245.880	245.514	246.033	245.514
65.0	223.040	220.371	221.485	219.462	220.465	219.462	221.485	220.371	223.040	220.371
67.5	197.812	196.146	196.452	195.432	196.452	195.432	196.452	196.146	197.812	196.146
70.0	173.689	171.913	172.304	171.828	172.236	171.828	172.304	171.913	173.689	171.913
72.5	149.753	148.699	147.917	147.535	149.141	147.535	147.917	148.699	149.753	148.699
75.0	126.897	125.137	124.942	124.364	125.758	124.364	124.942	125.137	126.897	125.137
77.5	103.012	101.652	101.448	102.196	102.162	102.196	101.448	101.652	103.012	101.652
80.0	79.586	79.373	78.821	78.846	79.662	78.846	78.821	79.373	79.586	79.373
82.5	58.013	56.823	57.282	56.338	56.882	56.338	57.282	56.823	58.013	56.823
85.0	36.712	36.805	36.440	36.304	35.743	36.304	36.440	36.805	36.712	36.805
87.5	16.312	16.618	16.771	15.445	15.139	15.445	16.771	16.618	16.312	16.618
90.0	2.559	2.703	3.137	3.910	4.539	3.910	3.137	2.703	2.559	2.703
92.5	4.157	4.616	4.514	4.616	4.514	4.616	4.514	4.616	4.157	4.616
95.0	9.367	9.894	9.648	9.903	9.486	9.903	9.648	9.894	9.367	9.894
97.5	17.009	16.652	16.643	16.720	16.490	16.720	16.643	16.652	17.009	16.652
100.0	27.438	25.500	25.339	25.449	24.412	25.449	25.339	25.500	27.438	25.500
102.5	38.174	35.377	34.791	34.655	34.017	34.655	34.791	35.377	38.174	35.377
105.0	49.096	46.478	45.025	44.719	44.821	44.719	45.025	46.478	49.096	46.478
107.5	60.044	58.761	56.134	55.777	56.670	55.777	56.134	58.761	60.044	58.761
110.0	71.783	71.332	68.561	67.762	69.326	67.762	68.561	71.332	71.783	71.332
112.5	84.031	84.040	81.592	80.606	82.374	80.606	81.592	84.040	84.031	84.040
115.0	96.535	96.739	94.775	93.713	95.574	93.713	94.775	96.739	96.535	96.739
117.5	109.361	109.769	107.823	107.058	108.809	107.058	107.823	109.769	109.361	109.769
120.0	122.349	122.936	121.074	120.335	122.145	120.335	121.074	122.936	122.349	122.936
122.5	135.737	136.247	134.402	133.782	135.524	133.782	134.402	136.247	135.737	136.247
125.0	149.150	149.685	147.747	147.603	148.810	147.603	147.747	149.685	149.150	149.685
127.5	162.588	163.115	161.024	161.407	162.393	161.407	161.024	163.115	162.588	163.115
130.0	176.052	176.639	174.531	175.015	176.375	175.015	174.531	176.639	176.052	176.639
132.5	189.610	190.154	188.241	188.777	190.188	188.777	188.241	190.154	189.610	190.154

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CANDELA TABULATION - (Cont.)

135.0	203.176	203.771	201.892	202.666	203.830	202.666	201.892	203.771	203.176	203.771
137.5	216.665	217.320	215.458	216.453	217.388	216.453	215.458	217.320	216.665	217.320
140.0	230.104	230.724	228.795	229.942	231.039	229.942	228.795	230.724	230.104	230.724
142.5	243.296	243.882	241.936	243.109	244.214	243.109	241.936	243.882	243.296	243.882
145.0	255.995	256.632	254.677	255.884	256.879	255.884	254.677	256.632	255.995	256.632
147.5	268.048	268.923	266.875	268.014	268.915	268.014	266.875	268.923	268.048	268.923
150.0	279.701	280.636	278.367	279.531	280.356	279.531	278.367	280.636	279.701	280.636
152.5	290.726	291.550	289.374	290.539	291.236	290.539	289.374	291.550	290.726	291.550
155.0	301.079	301.793	299.770	300.679	301.274	300.679	299.770	301.793	301.079	301.793
157.5	310.497	311.134	309.443	310.038	310.565	310.038	309.443	311.134	310.497	311.134
160.0	319.133	319.898	318.087	318.487	318.997	318.487	318.087	319.898	319.133	319.898
162.5	326.817	327.820	325.559	326.052	326.664	326.052	325.559	327.820	326.817	327.820
165.0	333.693	334.594	332.325	332.767	333.294	332.767	332.325	334.594	333.693	334.594
167.5	339.482	340.349	338.164	338.419	339.082	338.419	338.164	340.349	339.482	340.349
170.0	344.318	345.100	342.984	343.256	343.893	343.256	342.984	345.100	344.318	345.100
172.5	348.101	348.857	346.724	346.962	347.608	346.962	346.724	348.857	348.101	348.857
175.0	350.804	351.399	349.333	349.639	350.268	349.639	349.333	351.399	350.804	351.399
177.5	352.487	353.014	350.940	351.229	351.858	351.229	350.940	353.014	352.487	353.014
180.0	352.393	352.393	352.393	352.393	352.393	352.393	352.393	352.393	352.393	352.393

Vert. Angles **Horizontal Angles**

	225.0	247.5	270.0	292.5	315.0	337.5	360.0
0.0	613.088	613.088	613.088	613.088	613.088	613.088	613.088
2.5	612.085	608.889	610.079	608.889	612.085	616.318	615.247
5.0	609.977	607.062	608.158	607.062	609.977	614.270	613.369
7.5	606.654	603.815	605.158	603.815	606.654	610.530	609.255
10.0	601.477	598.553	599.335	598.553	601.477	605.226	603.696
12.5	594.728	591.277	592.586	591.277	594.728	598.451	597.992
15.0	586.874	584.562	584.528	584.562	586.874	590.113	589.280
17.5	578.281	575.093	575.926	575.093	578.281	580.882	579.845
20.0	567.001	565.454	565.556	565.454	567.001	570.920	568.956
22.5	556.461	553.019	554.396	553.019	556.461	558.697	558.212
25.0	543.609	542.428	541.178	542.428	543.609	547.375	545.437
27.5	529.899	527.672	527.612	527.672	529.899	532.364	532.262
30.0	514.820	513.655	512.907	513.655	514.820	517.888	517.531
32.5	499.477	497.760	495.992	497.760	499.477	502.333	500.965
35.0	482.341	481.568	480.157	481.568	482.341	484.857	484.271
37.5	464.602	463.157	463.242	463.157	464.602	466.633	466.387
40.0	445.239	445.256	444.814	445.256	445.239	447.857	447.279
42.5	425.842	424.550	424.524	424.550	425.842	426.666	426.921
45.0	404.923	405.357	403.946	405.357	404.923	406.334	406.538
47.5	383.843	383.656	384.438	383.656	383.843	384.226	384.430
50.0	361.692	361.930	361.845	361.930	361.692	362.670	362.381
52.5	338.700	339.184	338.972	339.184	338.700	339.703	340.102
55.0	315.121	315.622	315.563	315.622	315.121	316.719	316.931
57.5	293.055	292.468	292.817	292.468	293.055	293.216	293.352
60.0	268.532	268.957	269.289	268.957	268.532	269.374	270.003
62.5	245.880	244.384	244.401	244.384	245.880	245.514	246.033
65.0	221.485	219.462	220.465	219.462	221.485	220.371	223.040
67.5	196.452	195.432	196.452	195.432	196.452	196.146	197.812
70.0	172.304	171.828	172.236	171.828	172.304	171.913	173.689
72.5	147.917	147.535	149.141	147.535	147.917	148.699	149.753
75.0	124.942	124.364	125.758	124.364	124.942	125.137	126.897
77.5	101.448	102.196	102.162	102.196	101.448	101.652	103.012
80.0	78.821	78.846	79.662	78.846	78.821	79.373	79.586

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82.5	57.282	56.338	56.882	56.338	57.282	56.823	58.013
85.0	36.440	36.304	35.743	36.304	36.440	36.805	36.712
87.5	16.771	15.445	15.139	15.445	16.771	16.618	16.312
90.0	3.137	3.910	4.539	3.910	3.137	2.703	2.559
92.5	4.514	4.616	4.514	4.616	4.514	4.616	4.157
95.0	9.648	9.903	9.486	9.903	9.648	9.894	9.367
97.5	16.643	16.720	16.490	16.720	16.643	16.652	17.009
100.0	25.339	25.449	24.412	25.449	25.339	25.500	27.438
102.5	34.791	34.655	34.017	34.655	34.791	35.377	38.174
105.0	45.025	44.719	44.821	44.719	45.025	46.478	49.096
107.5	56.134	55.777	56.670	55.777	56.134	58.761	60.044
110.0	68.561	67.762	69.326	67.762	68.561	71.332	71.783
112.5	81.592	80.606	82.374	80.606	81.592	84.040	84.031
115.0	94.775	93.713	95.574	93.713	94.775	96.739	96.535
117.5	107.823	107.058	108.809	107.058	107.823	109.769	109.361
120.0	121.074	120.335	122.145	120.335	121.074	122.936	122.349
122.5	134.402	133.782	135.524	133.782	134.402	136.247	135.737
125.0	147.747	147.603	148.810	147.603	147.747	149.685	149.150
127.5	161.024	161.407	162.393	161.407	161.024	163.115	162.588
130.0	174.531	175.015	176.375	175.015	174.531	176.639	176.052
132.5	188.241	188.777	190.188	188.777	188.241	190.154	189.610
135.0	201.892	202.666	203.830	202.666	201.892	203.771	203.176
137.5	215.458	216.453	217.388	216.453	215.458	217.320	216.665
140.0	228.795	229.942	231.039	229.942	228.795	230.724	230.104
142.5	241.936	243.109	244.214	243.109	241.936	243.882	243.296
145.0	254.677	255.884	256.879	255.884	254.677	256.632	255.995
147.5	266.875	268.014	268.915	268.014	266.875	268.923	268.048
150.0	278.367	279.531	280.356	279.531	278.367	280.636	279.701
152.5	289.374	290.539	291.236	290.539	289.374	291.550	290.726
155.0	299.770	300.679	301.274	300.679	299.770	301.793	301.079
157.5	309.443	310.038	310.565	310.038	309.443	311.134	310.497
160.0	318.087	318.487	318.997	318.487	318.087	319.898	319.133
162.5	325.559	326.052	326.664	326.052	325.559	327.820	326.817
165.0	332.325	332.767	333.294	332.767	332.325	334.594	333.693
167.5	338.164	338.419	339.082	338.419	338.164	340.349	339.482
170.0	342.984	343.256	343.893	343.256	342.984	345.100	344.318
172.5	346.724	346.962	347.608	346.962	346.724	348.857	348.101
175.0	349.333	349.639	350.268	349.639	349.333	351.399	350.804
177.5	350.940	351.229	351.858	351.229	350.940	353.014	352.487
180.0	352.393	352.393	352.393	352.393	352.393	352.393	352.393

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	223.68	N.A.	8.50
0-30	474.28	N.A.	18.00
0-40	776.19	N.A.	29.50
0-60	1371.48	N.A.	52.10
0-80	1722.2	N.A.	65.40
0-90	1763.23	N.A.	66.90
10-90	1705.23	N.A.	64.70
20-40	552.52	N.A.	21.00
20-50	865.15	N.A.	32.80
40-70	813.79	N.A.	30.90
60-80	350.72	N.A.	13.30
70-80	132.22	N.A.	5.00
80-90	41.03	N.A.	1.60
90-110	61.32	N.A.	2.30
90-120	155.72	N.A.	5.90
90-130	288.52	N.A.	11.00
90-150	604.97	N.A.	23.00
90-180	870.55	N.A.	33.10
110-180	809.23	N.A.	30.70
0-180	2633.79	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	58.00
10-20	165.68
20-30	250.60
30-40	301.91
40-50	312.63
50-60	282.66
60-70	218.50
70-80	132.22
80-90	41.03
90-100	12.34
100-110	48.98
110-120	94.39
120-130	132.80
130-140	156.56
140-150	159.89
150-160	138.44
160-170	93.91
170-180	33.23

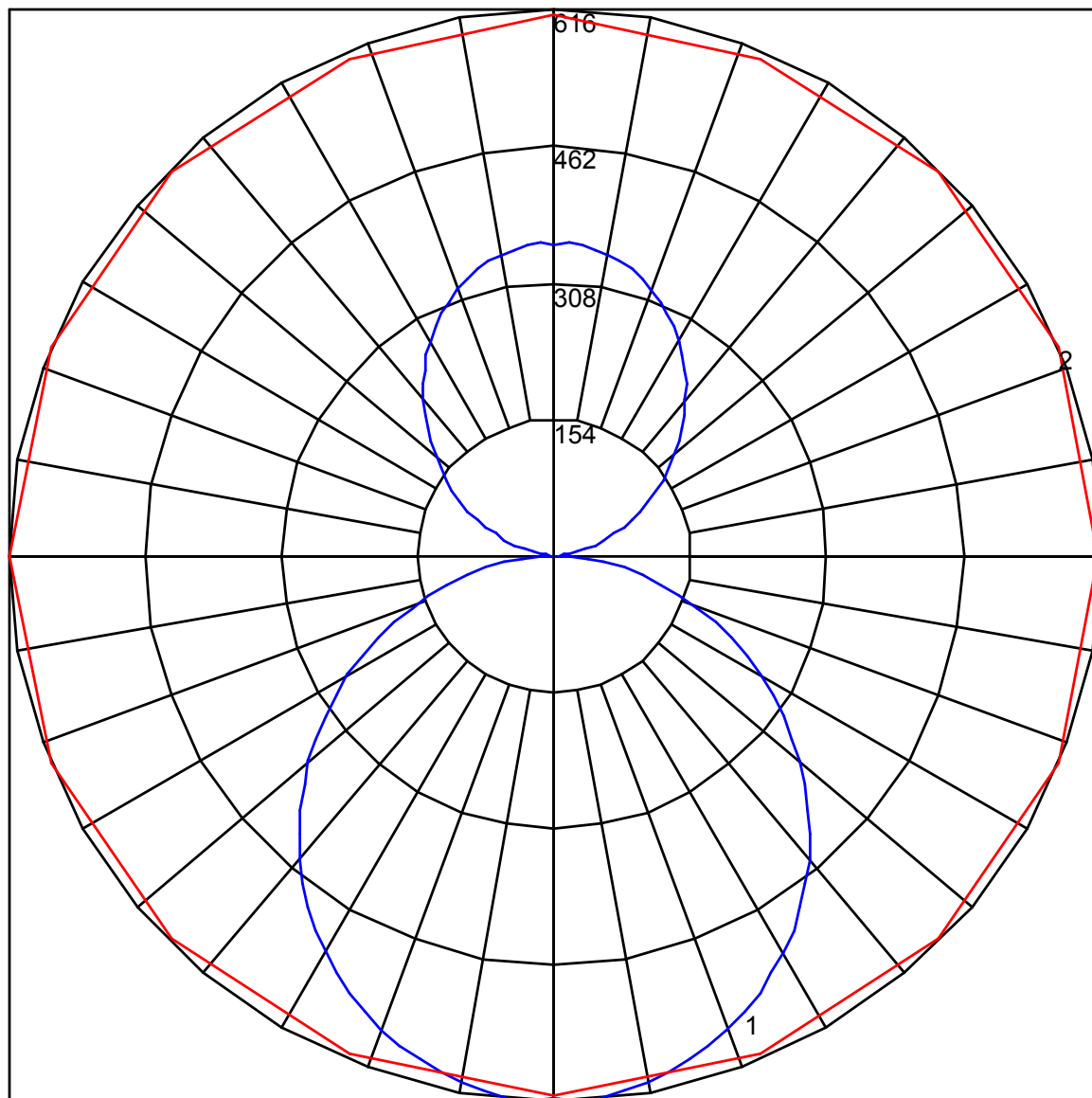
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	111	111	111	105	105	105	105	93	93	93	82	82	82	72	72	72	67
1	101	97	92	89	95	91	87	84	81	78	76	71	69	67	63	61	60	56
2	92	84	78	72	86	79	74	69	71	66	62	62	59	56	55	52	50	46
3	84	74	66	60	78	70	63	57	62	56	52	55	51	47	48	45	42	39
4	77	65	57	50	72	62	54	48	55	49	44	49	44	40	43	39	36	33
5	70	58	49	43	66	55	47	41	49	43	38	44	39	35	39	35	31	28
6	65	52	44	37	61	49	42	36	44	38	33	40	34	30	35	31	28	25
7	60	47	39	33	56	45	37	32	40	34	29	36	31	27	32	28	24	22
8	56	43	35	29	52	41	33	28	37	30	26	33	28	24	29	25	22	20
9	52	39	31	26	49	37	30	25	34	27	23	30	25	21	27	23	20	18
10	48	36	28	23	46	34	27	23	31	25	21	28	23	19	25	21	18	16

POLAR GRAPH



Maximum Candela = 616.318 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)