



IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDIS22-LED28DMVFR35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] RDIS22-LED28DMVFR35
 [TESTLAB] INTERTEK
 [ISSUEDATE] 06/24/2015
 [MANUFAC] MOBERN LIGHTING CO.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3393
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	28.86
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.92 ft
Luminous Width (90-270)	1.92 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2720	3132	3605
55	2500	3101	3814
65	2278	3102	4110
75	2055	3159	4237
85	1963	2596	2577

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	1132.454	1132.454	1132.454	1132.454	1132.454	1132.454	1132.454	1132.454	1132.454	1132.454
2.5	1130.912	1131.776	1132.181	1131.076	1131.973	1130.605	1131.371	1131.513	1130.704	1131.513
5.0	1126.284	1125.070	1129.216	1128.800	1127.695	1127.608	1127.706	1126.645	1125.584	1126.645
7.5	1119.042	1118.396	1120.748	1121.448	1123.002	1123.440	1121.678	1118.713	1115.782	1118.713
10.0	1104.852	1105.246	1111.613	1116.460	1115.563	1115.202	1111.318	1107.927	1104.076	1107.927
12.5	1089.526	1090.729	1100.039	1105.389	1105.585	1104.513	1099.667	1091.353	1084.121	1091.353
15.0	1070.621	1073.761	1084.712	1095.017	1095.991	1092.632	1083.640	1072.864	1066.803	1072.864
17.5	1047.396	1051.651	1067.230	1079.111	1084.143	1079.734	1066.989	1054.879	1043.556	1054.879
20.0	1024.662	1028.841	1047.625	1067.602	1072.043	1065.020	1048.369	1029.913	1018.602	1029.913
22.5	996.087	1000.769	1025.078	1050.546	1059.003	1048.238	1025.877	1004.478	992.083	1004.478
25.0	964.788	970.597	1001.502	1031.445	1040.383	1031.434	1002.968	974.491	959.394	974.491
27.5	931.902	939.418	977.872	1011.042	1025.756	1011.086	978.069	942.930	925.612	942.930
30.0	896.292	906.499	949.483	989.315	1007.585	990.453	949.855	911.597	891.172	911.597
32.5	860.803	871.163	919.638	967.304	987.291	966.396	920.699	876.294	852.795	876.294
35.0	822.053	833.956	889.510	945.282	966.024	943.291	890.374	840.039	813.148	840.039
37.5	782.451	797.909	857.904	921.498	944.910	919.890	860.322	801.257	774.169	801.257
40.0	742.170	759.488	824.942	894.509	922.209	895.297	827.261	763.251	733.078	763.251
42.5	698.125	720.530	791.717	866.481	897.693	866.765	793.489	723.736	693.301	723.736
45.0	656.914	679.188	756.654	837.960	870.901	836.702	759.674	684.385	648.392	684.385
47.5	617.388	639.793	719.458	807.263	844.995	807.241	724.009	644.410	607.783	644.410
50.0	575.072	598.134	682.645	774.847	812.765	775.821	687.174	603.658	565.390	603.658
52.5	534.572	558.159	646.674	741.032	780.416	742.356	650.569	563.191	522.658	563.191
55.0	489.915	516.423	607.597	705.838	747.399	705.280	613.482	523.370	480.835	523.370
57.5	446.024	476.798	571.013	668.193	709.918	669.287	574.361	483.340	440.652	483.340
60.0	407.001	436.889	529.605	628.776	673.335	629.881	537.099	443.519	399.343	443.519
62.5	367.037	398.063	489.127	589.458	634.104	589.557	497.540	403.139	357.968	403.139
65.0	328.824	358.821	447.873	546.781	593.386	547.667	456.471	364.630	318.879	364.630
67.5	289.144	321.308	407.165	503.710	550.019	504.236	414.582	325.990	281.081	325.990
70.0	253.764	282.766	364.390	459.644	506.358	459.305	368.755	287.624	241.938	287.624
72.5	213.013	244.859	321.888	414.320	452.008	413.981	326.176	252.616	206.153	252.616
75.0	181.702	212.488	279.265	351.557	374.575	350.069	282.602	213.461	170.598	213.461
77.5	148.707	175.073	234.116	282.460	303.060	279.801	235.385	175.510	136.247	175.510
80.0	115.712	138.150	183.442	216.142	230.232	214.512	178.420	136.236	105.560	136.236
82.5	84.687	100.440	130.449	144.660	150.119	142.548	124.891	98.580	74.403	98.580
85.0	58.441	63.025	77.302	78.856	76.733	74.173	70.508	58.835	44.427	58.835
87.5	29.210	27.645	29.516	20.928	15.086	15.513	19.976	23.226	18.740	23.226
90.0	7.384	5.328	4.015	3.227	1.980	2.210	1.247	2.418	2.724	2.418
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. 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	1132.454	1132.454	1132.454	1132.454	1132.454	1132.454	1132.454
2.5	1131.371	1130.605	1131.973	1131.076	1132.181	1131.776	1130.912
5.0	1127.706	1127.608	1127.695	1128.800	1129.216	1125.070	1126.284
7.5	1121.678	1123.440	1123.002	1121.448	1120.748	1118.396	1119.042
10.0	1111.318	1115.202	1115.563	1116.460	1111.613	1105.246	1104.852
12.5	1099.667	1104.513	1105.585	1105.389	1100.039	1090.729	1089.526
15.0	1083.640	1092.632	1095.991	1095.017	1084.712	1073.761	1070.621
17.5	1066.989	1079.734	1084.143	1079.111	1067.230	1051.651	1047.396
20.0	1048.369	1065.020	1072.043	1067.602	1047.625	1028.841	1024.662
22.5	1025.877	1048.238	1059.003	1050.546	1025.078	1000.769	996.087
25.0	1002.968	1031.434	1040.383	1031.445	1001.502	970.597	964.788
27.5	978.069	1011.086	1025.756	1011.042	977.872	939.418	931.902
30.0	949.855	990.453	1007.585	989.315	949.483	906.499	896.292
32.5	920.699	966.396	987.291	967.304	919.638	871.163	860.803
35.0	890.374	943.291	966.024	945.282	889.510	833.956	822.053
37.5	860.322	919.890	944.910	921.498	857.904	797.909	782.451
40.0	827.261	895.297	922.209	894.509	824.942	759.488	742.170
42.5	793.489	866.765	897.693	866.481	791.717	720.530	698.125
45.0	759.674	836.702	870.901	837.960	756.654	679.188	656.914
47.5	724.009	807.241	844.995	807.263	719.458	639.793	617.388
50.0	687.174	775.821	812.765	774.847	682.645	598.134	575.072
52.5	650.569	742.356	780.416	741.032	646.674	558.159	534.572
55.0	613.482	705.280	747.399	705.838	607.597	516.423	489.915
57.5	574.361	669.287	709.918	668.193	571.013	476.798	446.024
60.0	537.099	629.881	673.335	628.776	529.605	436.889	407.001
62.5	497.540	589.557	634.104	589.458	489.127	398.063	367.037
65.0	456.471	547.667	593.386	546.781	447.873	358.821	328.824
67.5	414.582	504.236	550.019	503.710	407.165	321.308	289.144
70.0	368.755	459.305	506.358	459.644	364.390	282.766	253.764
72.5	326.176	413.981	452.008	414.320	321.888	244.859	213.013
75.0	282.602	350.069	374.575	351.557	279.265	212.488	181.702
77.5	235.385	279.801	303.060	282.460	234.116	175.073	148.707
80.0	178.420	214.512	230.232	216.142	183.442	138.150	115.712

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CANDELA TABULATION - (Cont.)

82.5	124.891	142.548	150.119	144.660	130.449	100.440	84.687
85.0	70.508	74.173	76.733	78.856	77.302	63.025	58.441
87.5	19.976	15.513	15.086	20.928	29.516	27.645	29.210
90.0	1.247	2.210	1.980	3.227	4.015	5.328	7.384
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	412.81	N.A.	12.20
0-30	874.75	N.A.	25.80
0-40	1432.46	N.A.	42.20
0-60	2567.42	N.A.	75.70
0-80	3310.87	N.A.	97.60
0-90	3392.96	N.A.	100.00
10-90	3285.86	N.A.	96.80
20-40	1019.65	N.A.	30.00
20-50	1606.25	N.A.	47.30
40-70	1585.09	N.A.	46.70
60-80	743.46	N.A.	21.90
70-80	293.32	N.A.	8.60
80-90	82.08	N.A.	2.40
90-110	0.44	N.A.	0.00
90-120	0.44	N.A.	0.00
90-130	0.44	N.A.	0.00
90-150	0.44	N.A.	0.00
90-180	0.44	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3393.39	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	107.09
10-20	305.72
20-30	461.94
30-40	557.71
40-50	586.59
50-60	548.36
60-70	450.13
70-80	293.32
80-90	82.08
90-100	0.44
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

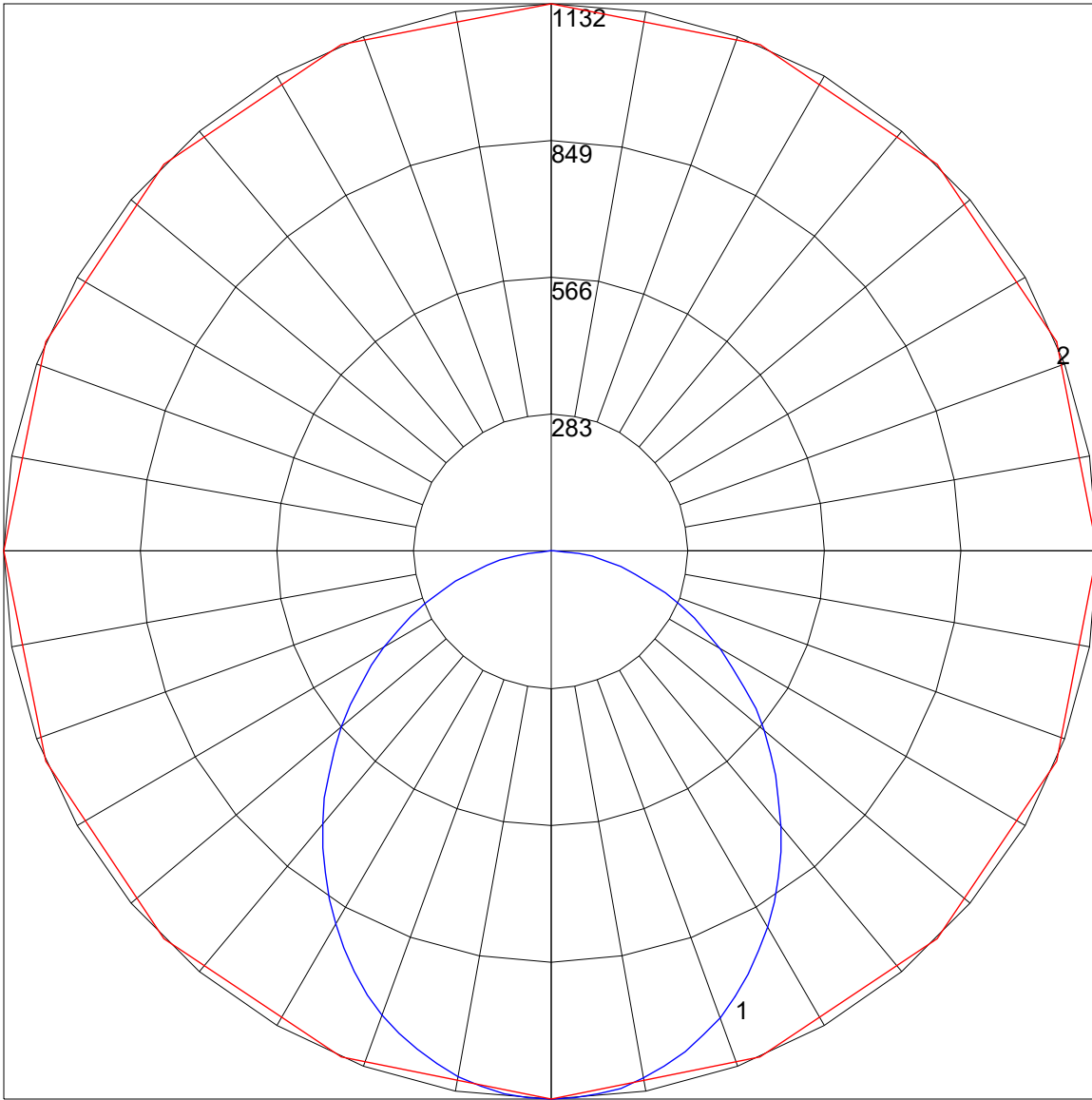
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	98	94	105	101	97	93	96	93	90	92	90	87	89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	48
5	75	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	45	39	51	44	38	49	43	38	36
7	64	50	41	35	62	49	41	34	47	40	34	46	39	34	45	38	34	32
8	59	45	37	31	58	45	36	31	43	36	31	42	35	30	41	35	30	28
9	55	42	33	28	54	41	33	28	40	33	27	39	32	27	38	32	27	25
10	52	38	30	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 1132.454 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.)