



IES INDOOR REPORT

PHOTOMETRIC FILENAME : RDOT-LED35-SO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] RDOT-LED35-SO
 [TESTLAB] Intertek
 [ISSUEDATE] 2/26/18
 [MANUFAC] Prudential Ltg

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	806
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	14.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.31 ft (Diameter)
Luminous Width (90-270)	0.31 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	36850	36879	37053
55	36644	36727	36911
65	35827	35923	36109
75	32120	32488	32383
85	18373	17670	17006

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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	268.296	268.296	268.296	268.296	268.296	268.296	268.296	268.296	268.296	268.296
2.5	267.786	267.835	268.005	267.932	267.883	267.932	268.005	267.835	267.786	267.835
5.0	266.765	266.936	266.911	266.814	266.911	266.814	266.911	266.936	266.765	266.936
7.5	265.259	265.064	265.405	265.210	265.259	265.210	265.405	265.064	265.259	265.064
10.0	262.732	262.805	262.634	262.950	262.999	262.950	262.634	262.805	262.732	262.805
12.5	259.913	260.132	260.034	260.229	260.277	260.229	260.034	260.132	259.913	260.132
15.0	256.875	256.900	256.851	256.924	257.094	256.924	256.851	256.900	256.875	256.900
17.5	253.473	253.352	253.279	253.522	253.449	253.522	253.279	253.352	253.473	253.352
20.0	249.464	249.488	249.561	249.585	249.658	249.585	249.561	249.488	249.464	249.488
22.5	245.236	245.138	245.138	245.284	245.381	245.284	245.138	245.138	245.236	245.138
25.0	240.497	240.278	240.327	240.351	240.424	240.351	240.327	240.278	240.497	240.278
27.5	234.471	234.787	234.860	234.811	235.005	234.811	234.860	234.787	234.471	234.787
30.0	228.347	228.712	228.712	229.076	229.028	229.076	228.712	228.712	228.347	228.712
32.5	222.272	222.637	222.369	222.855	222.977	222.855	222.369	222.637	222.272	222.637
35.0	216.027	215.906	216.221	216.270	216.440	216.270	216.221	215.906	216.027	215.906
37.5	209.369	209.272	209.369	209.515	209.806	209.515	209.369	209.272	209.369	209.272
40.0	202.055	201.812	202.127	202.298	202.541	202.298	202.127	201.812	202.055	201.812
42.5	193.963	194.084	194.181	194.643	194.862	194.643	194.181	194.084	193.963	194.084
45.0	185.846	185.919	185.992	186.454	186.867	186.454	185.992	185.919	185.846	185.919
47.5	177.512	177.560	177.657	178.095	178.241	178.095	177.657	177.560	177.512	177.560
50.0	169.055	168.812	168.934	169.517	169.711	169.517	168.934	168.812	169.055	168.812
52.5	159.773	159.457	159.724	160.356	160.647	160.356	159.724	159.457	159.773	159.457
55.0	149.907	149.858	150.247	150.709	151.000	150.709	150.247	149.858	149.907	149.858
57.5	139.919	139.798	140.235	140.673	141.037	140.673	140.235	139.798	139.919	139.798
60.0	129.738	129.665	129.956	130.418	130.685	130.418	129.956	129.665	129.738	129.665
62.5	119.167	119.046	119.216	119.629	119.969	119.629	119.216	119.046	119.167	119.046
65.0	107.989	107.868	108.281	108.743	108.840	108.743	108.281	107.868	107.989	107.868
67.5	96.204	96.422	96.860	97.176	97.273	97.176	96.860	96.422	96.204	96.422
70.0	84.297	84.443	85.123	85.269	85.123	85.269	85.123	84.443	84.297	84.443
72.5	71.904	72.098	72.803	72.779	72.706	72.779	72.803	72.098	71.904	72.098
75.0	59.292	59.243	59.972	59.900	59.778	59.900	59.972	59.243	59.292	59.243
77.5	45.854	45.878	46.705	46.462	46.437	46.462	46.705	45.878	45.854	45.878
80.0	32.416	32.756	33.194	33.072	32.805	33.072	33.194	32.756	32.416	32.756
82.5	20.388	20.704	20.679	20.412	20.193	20.412	20.679	20.704	20.388	20.704
85.0	11.421	11.300	10.984	10.522	10.571	10.522	10.984	11.300	11.421	11.300
87.5	5.881	5.662	5.346	4.909	4.957	4.909	5.346	5.662	5.881	5.662
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

	<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	268.296	268.296	268.296	268.296	268.296	268.296	268.296
2.5	268.005	267.932	267.883	267.932	268.005	267.835	267.786
5.0	266.911	266.814	266.911	266.814	266.911	266.936	266.765
7.5	265.405	265.210	265.259	265.210	265.405	265.064	265.259
10.0	262.634	262.950	262.999	262.950	262.634	262.805	262.732
12.5	260.034	260.229	260.277	260.229	260.034	260.132	259.913
15.0	256.851	256.924	257.094	256.924	256.851	256.900	256.875
17.5	253.279	253.522	253.449	253.522	253.279	253.352	253.473
20.0	249.561	249.585	249.658	249.585	249.561	249.488	249.464
22.5	245.138	245.284	245.381	245.284	245.138	245.138	245.236
25.0	240.327	240.351	240.424	240.351	240.327	240.278	240.497
27.5	234.860	234.811	235.005	234.811	234.860	234.787	234.471
30.0	228.712	229.076	229.028	229.076	228.712	228.712	228.347
32.5	222.369	222.855	222.977	222.855	222.369	222.637	222.272
35.0	216.221	216.270	216.440	216.270	216.221	215.906	216.027
37.5	209.369	209.515	209.806	209.515	209.369	209.272	209.369
40.0	202.127	202.298	202.541	202.298	202.127	201.812	202.055
42.5	194.181	194.643	194.862	194.643	194.181	194.084	193.963
45.0	185.992	186.454	186.867	186.454	185.992	185.919	185.846
47.5	177.657	178.095	178.241	178.095	177.657	177.560	177.512
50.0	168.934	169.517	169.711	169.517	168.934	168.812	169.055
52.5	159.724	160.356	160.647	160.356	159.724	159.457	159.773
55.0	150.247	150.709	151.000	150.709	150.247	149.858	149.907
57.5	140.235	140.673	141.037	140.673	140.235	139.798	139.919
60.0	129.956	130.418	130.685	130.418	129.956	129.665	129.738
62.5	119.216	119.629	119.969	119.629	119.216	119.046	119.167
65.0	108.281	108.743	108.840	108.743	108.281	107.868	107.989
67.5	96.860	97.176	97.273	97.176	96.860	96.422	96.204
70.0	85.123	85.269	85.123	85.269	85.123	84.443	84.297
72.5	72.803	72.779	72.706	72.779	72.803	72.098	71.904
75.0	59.972	59.900	59.778	59.900	59.972	59.243	59.292
77.5	46.705	46.462	46.437	46.462	46.705	45.878	45.854
80.0	33.194	33.072	32.805	33.072	33.194	32.756	32.416

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82.5	20.679	20.412	20.193	20.412	20.679	20.704	20.388
85.0	10.984	10.522	10.571	10.522	10.984	11.300	11.421
87.5	5.346	4.909	4.957	4.909	5.346	5.662	5.881
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	97.91	N.A.	12.10
0-30	208.66	N.A.	25.90
0-40	343.98	N.A.	42.70
0-60	621.94	N.A.	77.20
0-80	791.42	N.A.	98.20
0-90	805.91	N.A.	100.00
10-90	780.56	N.A.	96.90
20-40	246.07	N.A.	30.50
20-50	389.76	N.A.	48.40
40-70	384.87	N.A.	47.80
60-80	169.48	N.A.	21.00
70-80	62.57	N.A.	7.80
80-90	14.48	N.A.	1.80
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	805.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	25.35
10-20	72.56
20-30	110.75
30-40	135.32
40-50	143.69
50-60	134.27
60-70	106.91
70-80	62.57
80-90	14.48
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

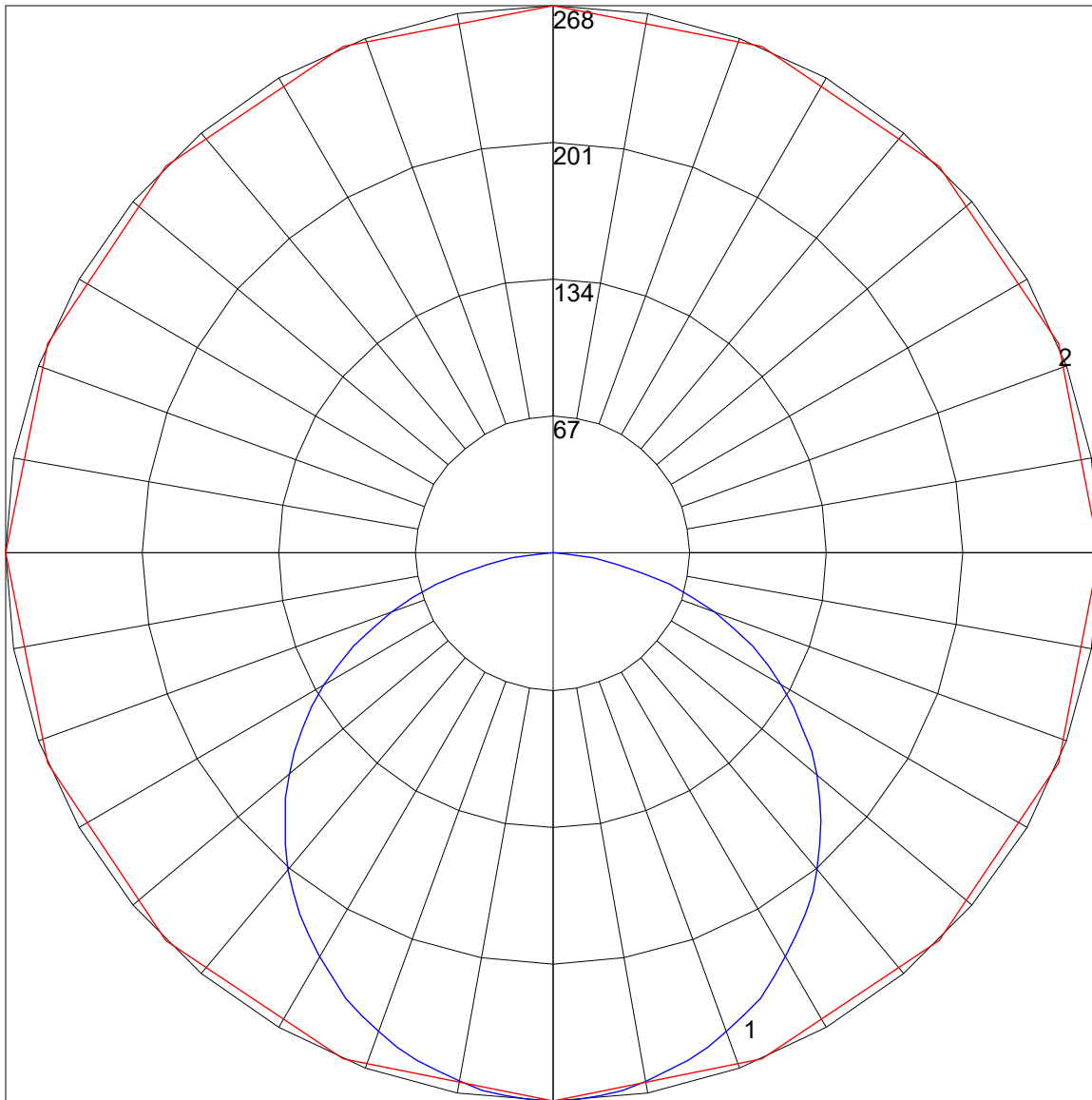
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	81	76	84	79	74	81	76	72	78	74	71	69
3	89	79	70	63	87	77	69	63	74	67	62	71	65	61	69	64	60	57
4	82	69	60	53	79	68	60	53	65	58	52	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	58	51	45	56	50	44	55	49	44	42
6	69	55	46	40	67	55	46	40	53	45	39	51	44	39	49	43	39	36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	29
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 268.296 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.)