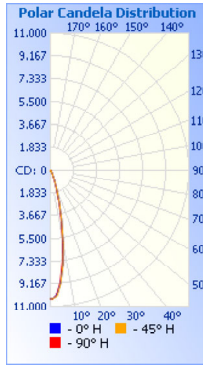


# Photometrics Pro

## Luminaire Photometric Report

**Filename:** Wall Washer RGB 36W DR TG  
**Manufacturer:** SARIN Energy Inc.  
**Luminaire:** SES-DR-TG-050-36W  
**Lamp Output:** 1 lamp, rated Lumens/lamp: 1715.8  
**Max Candela:** 10,377.4 at Horizontal: 90°, Vertical: 1°  
**Input Wattage:** 34.7  
**Luminous Opening:** Rectangle (L: 2.76", W: 2.76")  
**Test:** 20160614  
**Test Date:** 2016-06-14  
**Test Lab:** TPK  
**Photometry:** Type B  
**Nema Type:** 3 X 3



### Roadway Summary

Cutoff Classification:	FULL CUTOFF	
Distribution:	TYPE I, VERY SHORT	
Max Cd, 90 Deg Vert:	0	
Max Cd, 80 to <90 Deg:	1.4	
Lumens % Lamp		
Downward Street Side:	938.8	54.7%
Downward House Side:	787.5	45.9%
Downward Total:	1,726.2	100.6%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	1,726.2	100.6%

### Flood Summary

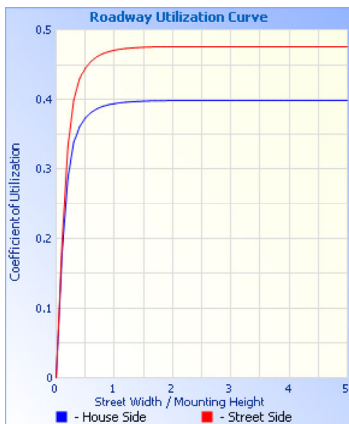
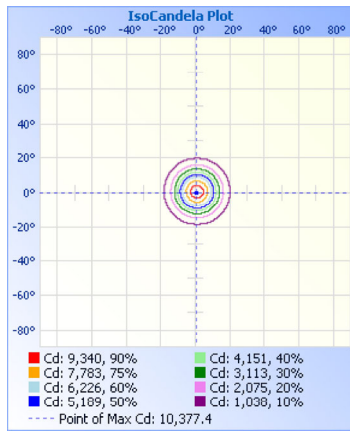
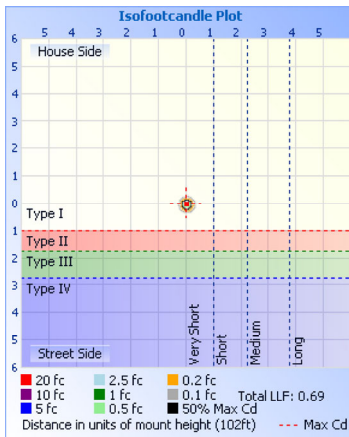
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	75.8%	1,300.7	38.2	38.3
Beam (50%):	38%	652.1	19.4	19.5
Total:	100%	1,715.2		

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1,547.4	90.2%	89.9%
0-40	1,647.3	96%	95.7%
0-60	1,713.9	99.9%	99.6%
60-90	7.4	0.4%	0.4%
70-100	1.1	0.1%	0.1%
90-120	0	0%	0%
0-90	1,721.3	100.3%	100%
90-180	0	0%	0%
0-180	1,721.3	100.3%	100%

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	689.1	40.0%	90-100	0	0%
10-20	642.0	37.3%	100-110	0	0%
20-30	216.3	12.6%	110-120	0	0%
30-40	99.9	5.8%	120-130	0	0%
40-50	46.0	2.7%	130-140	0	0%
50-60	20.6	1.2%	140-150	0	0%
60-70	6.3	0.4%	150-160	0	0%
70-80	1.0	0.1%	160-170	0	0%
80-90	0.1	0.0%	170-180	0	0%



### Illuminance at a Distance

	Center Beam fc	Beam Width	
16.7ft	37.1 fc	5.7 ft	5.7 ft
33.3ft	9.34 fc	11.5 ft	11.4 ft
50.0ft	4.14 fc	17.2 ft	17.1 ft
66.7ft	2.33 fc	22.9 ft	22.8 ft
83.3ft	1.49 fc	28.7 ft	28.4 ft
100.0ft	1.04 fc	34.4 ft	34.1 ft

Vert. Spread: 19.5°  
 Horiz. Spread: 19.4°

**Coefficients Of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	20	50	30	0	20	50	30	0	50	30	20	0	50	30	20	0	50	30	20	0	0
RCR: 0	1.19	1.19	1.19	1.19	1.17	1.17	1.17	1.00	1.11	1.11	1.11	1.11	1.07	1.07	1.07	1.07	1.02	1.02	1.02	1.02	1.00
1	1.15	1.13	1.11	1.09	1.13	1.11	1.09	.97	1.07	1.06	1.04	1.04	1.03	1.02	1.01	1.01	1.00	.99	.98	.97	.97
2	1.11	1.08	1.05	1.02	1.09	1.06	1.03	.94	1.03	1.01	.99	.99	1.00	.98	.97	.97	.97	.96	.95	.93	.93
3	1.08	1.03	.99	.96	1.06	1.02	.98	.91	.99	.96	.94	.94	.97	.95	.93	.93	.95	.93	.91	.90	.90
4	1.04	.99	.95	.92	1.03	.98	.94	.88	.96	.93	.90	.90	.94	.91	.89	.89	.92	.90	.88	.87	.87
5	1.01	.95	.91	.88	1.00	.94	.90	.85	.93	.89	.87	.87	.91	.88	.86	.86	.90	.87	.85	.84	.84
6	.98	.92	.88	.84	.97	.91	.87	.82	.90	.86	.84	.84	.88	.85	.83	.83	.87	.85	.83	.82	.82
7	.95	.89	.85	.82	.94	.88	.84	.80	.87	.84	.81	.81	.86	.83	.81	.81	.85	.82	.80	.79	.79
8	.93	.86	.82	.79	.92	.86	.82	.78	.85	.81	.79	.79	.84	.81	.78	.78	.83	.80	.78	.77	.77
9	.90	.84	.80	.77	.90	.83	.79	.76	.82	.79	.76	.76	.82	.78	.76	.76	.81	.78	.76	.75	.75
10	.88	.81	.77	.75	.87	.81	.77	.74	.80	.77	.74	.74	.80	.77	.74	.74	.79	.76	.74	.73	.73

Candela Table - Type B

Table with 41 columns (labeled -90 to -41) and 41 rows (labeled 90 to -68). Each cell contains a numerical value representing photometric data.



**Luminaire Report Summary**

IESNA: LM-63-2002  
[TEST] 20160614  
[TESTDATE] 2016-06-14  
[TESTLAB] TPK  
[ISSUEDATE] 2016-06-14 09:23:53  
[MANUFAC] SARIN Energy Inc.  
[LUMINAIRE] SES-DR-TG-050-36W  
[\_LAMPPOSITION] 0,0  
[\_TOTALLUMINAIRELUMENS] 1715.2  
[OTHER] EVERFINE GO-2000B\_V1 SYSTEM  
FILE: CANDELA MULTIPLIER: 1  
FILE: VERTICAL ANGLES: 91, HORIZONTAL ANGLES: 181  
FILE: COORDINATE SYSTEM: TYPE B  
FILE: UNIT OF MEASURE: METRIC  
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.