

# Photometric Report

CATALOG NUMBER: **SNDQR18-B-12L-S**

Thursday, June 18, 2009

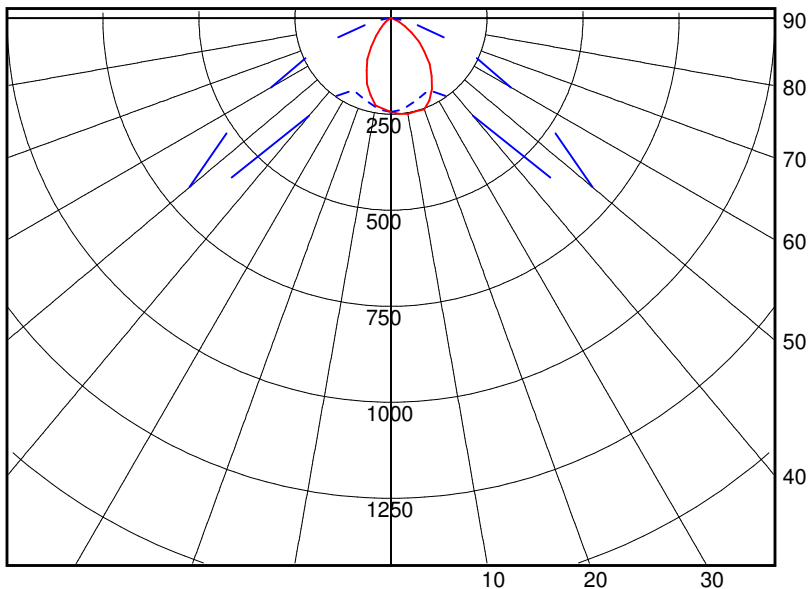
FILENAME: SNDQR18-B-12L-S.IES

IESNA:LM-63-2002  
 [TEST]BALLABS TEST NO. 14248.0  
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC  
 [ISUEDATE] 01-AUG-2008  
 [MANUFAC] GUTH LIGHTING INC - ST. LOUIS, MISSOURI  
 [LUMINAIRE] 12 LUXEON REBEL LED (3BOARDS 4LEDS 500ma) 9"RADIUS WALLPACK  
 [MORE] STIPPLED GLASS LENS  
 [LUMCAT] SNDQR18-B-12L-S  
 [LAMP]CAT] LXML-PWN1-0080

**SUMMARY DATA**

EFFICIENCY (Total): 70.2 %  
 EFFICIENCY (Downlight): 70.2 %  
 EFFICIENCY (Uplight): 0.0 %  
 CIE CLASSIFICATION: DIRECT  
 SPACING CRITERION (90-Deg.): 2.71  
 LUMENS/LAMP: 1080  
 NO. OF LAMPS: 1  
 LUMINOUS OPENING: RECTANGULAR  
     Width: 0.88 (Feet)  
     Length: 0.57  
     Height: 0.00  
 INPUT WATTS: 21

**CANDELA PLOT**



Bilaterally Symmetric  
 Solid: 180-0 Degrees    Dashed: 90-270 Degrees

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Lamp	% Luminaire
0 - 30	180.3	16.7	23.8
0 - 40	292.2	27.1	38.5
0 - 60	635.6	58.9	83.8
60 - 90	122.8	11.4	16.2
0 - 90	758.4	70.2	100.0
90 - 180	0.0	0.0	0.0
0 - 180	758.4	70.2	100.0

**AVERAGE LUMINANCE**

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90	112.5	135	157.5	180
0	5238	5238	5238	5238	5238	5238	5238	5238	5238
45	3734	3947	5313	18035	17822	3583	1852	1336	1184
55	2433	2658	4342	26762	19576	2470	1085	711	674
65	1219	1473	2794	16459	12497	1473	610	406	356
75	581	747	1742	6553	5889	995	415	332	166
85	0	0	0	1232	985	0	0	0	0

**COEFFICIENT OF UTILIZATION TABLE**

Effective Floor Cavity Reflectance = 20%

Pcc ...	80				70				50				30				10				0
	Pw ...	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																					
0	.84	.84	.84	.84	.84	.82	.82	.82	.82	.78	.78	.78	.75	.75	.75	.72	.72	.72	.70	.70	
1	.77	.74	.71	.68	.68	.75	.72	.70	.67	.69	.67	.65	.66	.65	.63	.64	.63	.61	.60	.60	
2	.70	.64	.60	.56	.56	.68	.63	.59	.55	.60	.57	.54	.58	.55	.52	.56	.54	.51	.50	.50	
3	.63	.56	.50	.46	.46	.62	.55	.50	.45	.53	.48	.45	.51	.47	.44	.49	.46	.43	.42	.42	
4	.58	.49	.43	.38	.38	.56	.48	.43	.38	.47	.42	.38	.45	.41	.37	.43	.40	.37	.35	.35	
5	.53	.44	.37	.33	.33	.51	.43	.37	.32	.41	.36	.32	.40	.35	.32	.39	.35	.31	.30	.30	
6	.49	.39	.33	.28	.28	.47	.38	.32	.28	.37	.32	.28	.36	.31	.27	.35	.30	.27	.26	.26	
7	.45	.35	.29	.24	.24	.44	.35	.29	.24	.33	.28	.24	.32	.28	.24	.31	.27	.24	.22	.22	
8	.42	.32	.26	.22	.22	.40	.31	.25	.21	.30	.25	.21	.29	.25	.21	.29	.24	.21	.20	.20	
9	.39	.29	.23	.19	.19	.38	.29	.23	.19	.28	.23	.19	.27	.22	.19	.26	.22	.19	.17	.17	
10	.36	.27	.21	.17	.17	.35	.26	.21	.17	.26	.21	.17	.25	.20	.17	.24	.20	.17	.16	.16	

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

**CANDELA TABLE**

Vertical Angle	Horizontal Angles								
	<u>0</u>	<u>22.5</u>	<u>45</u>	<u>67.5</u>	<u>90</u>	<u>112.5</u>	<u>135</u>	<u>157.5</u>	<u>180</u>
0	244	244	244	244	244	244	244	244	244
5	250	248	247	246	241	243	241	241	237
10	253	248	247	239	234	234	234	231	231
15	251	251	243	233	227	220	220	214	207
20	253	247	239	231	220	207	192	189	183
25	236	231	230	227	214	189	165	153	150
30	213	213	223	237	221	173	136	128	123
35	184	189	209	253	247	156	109	92	91
40	157	160	194	335	332	139	85	66	61
45	123	130	175	594	587	118	61	44	39
50	96	101	147	<u>830</u>	685	93	42	27	25
55	65	71	116	715	523	66	29	19	18
60	41	44	82	499	361	44	18	11	9
65	24	29	55	324	246	29	12	8	7
70	11	15	34	183	146	17	7	4	2
75	7	9	21	79	71	12	5	4	2
80	1	4	8	27	25	5	1	1	0
85	0	0	0	5	4	0	0	0	0
90	0	0	0	0	0	0	0	0	0