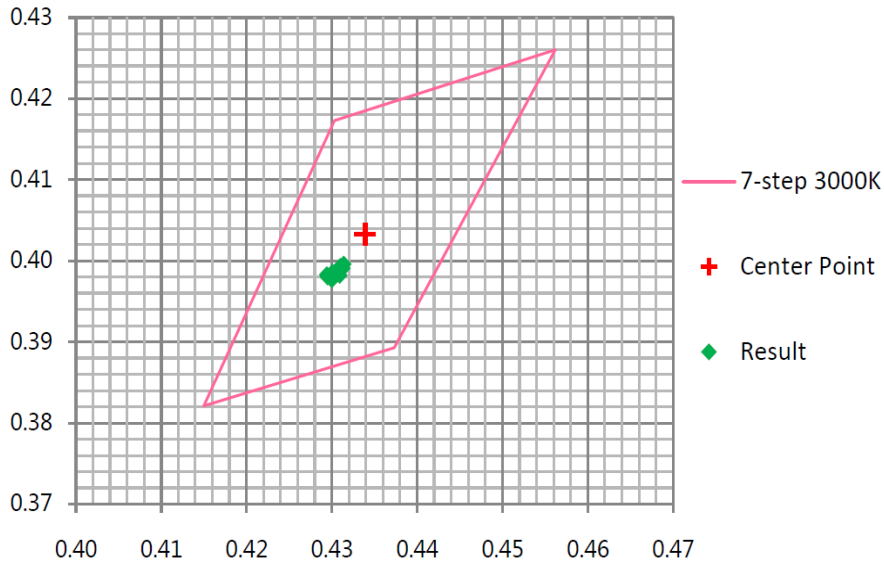


Company: RAB Lighting Inc.  
 Model Name: A19-9-E26-830-ND

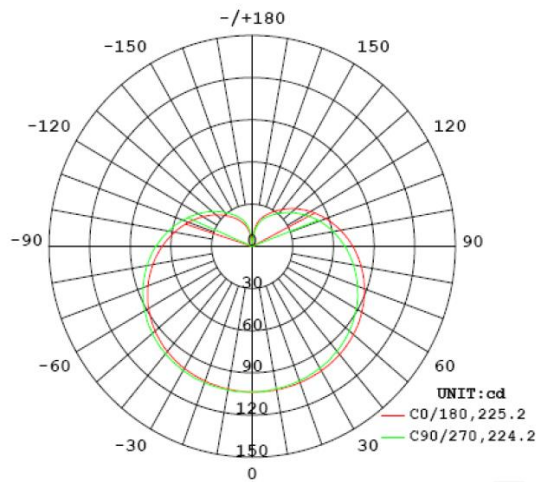
**Initial Photometric and Electrical**

Model Name	Voltage(V)	Current(A)	Power(W)	Power Factor	Luminous Flux(lm)	Efficacy(lm/W)	CCT(K)
A19-9-E26-830-ND	120	0.1253	9.252	0.6155	841.89	91	3084
	Ra	R9	Rf	Rg	x	y	Duv
	82.6	8	83	95	0.4294	0.3983	-0.00126

**7-step chromaticity quadrangles per ANSI/ANSI C78.377-2015**



**Luminous Intensity Distribution Diagram**



Model Name	Orientation	Beam Angle (Deg)	CBCP (cd)
A19-9-E26-830-ND	VBU	224.7	103.9

**Zonal Lumen Density**

Deg	Flux (lm)	%	Deg	Flux (lm)	%
0-5	2.5	0.29	0-95	598.5	71.08
0-10	9.9	1.17	0-100	633.3	75.21
0-15	22.1	2.63	0-105	665.3	79.02
0-20	39.0	4.64	0-110	694.5	82.49
0-25	60.5	7.18	0-115	720.8	85.60
0-30	86.2	10.23	0-120	744.0	88.36
0-35	115.8	13.75	0-125	764.2	90.77
0-40	148.9	17.69	0-130	781.7	92.83
0-45	185.2	22.00	0-135	796.4	94.58
0-50	224.1	26.62	0-140	808.6	96.03
0-55	265.1	31.48	0-145	818.5	97.21
0-60	307.5	36.53	0-150	826.4	98.14
0-65	350.9	41.68	0-155	832.4	98.86
0-70	394.6	46.86	0-160	836.8	99.38
0-75	437.9	52.01	0-165	839.8	99.73
0-80	480.5	57.07	0-170	841.4	99.93
0-85	521.7	61.96	0-175	842.0	100.00
0-90	561.2	66.65	0-180	842.0	100.00

Gamma	Φ=0DEG		Φ=22.5DEG		Φ=45DEG		Φ=67.5DEG	
	I <sub>θ</sub> (cd)	(I <sub>θ</sub> - I <sub>AVG</sub> )/I <sub>AVG</sub>	I <sub>θ</sub> (cd)	(I <sub>θ</sub> - I <sub>AVG</sub> )/I <sub>AVG</sub>	I <sub>θ</sub> (cd)	(I <sub>θ</sub> - I <sub>AVG</sub> )/I <sub>AVG</sub>	I <sub>θ</sub> (cd)	(I <sub>θ</sub> - I <sub>AVG</sub> )/I <sub>AVG</sub>
0	104	28.07%	104	28.07%	104	28.07%	104	28.07%
5	103	27.82%	103	27.92%	104	28.09%	104	28.29%
10	103	27.16%	103	27.76%	103	27.81%	104	28.02%
15	102	26.66%	103	27.15%	103	27.59%	103	27.73%
20	102	26.02%	102	26.66%	103	26.91%	103	27.20%
25	101	25.25%	102	25.62%	102	26.20%	102	26.46%
30	100	24.02%	101	24.34%	101	25.15%	101	25.40%
35	99	22.44%	100	23.02%	100	23.84%	100	24.16%
40	97	20.42%	98	21.22%	99	22.18%	99	22.41%
45	96	18.35%	96	19.09%	97	20.03%	98	20.63%
50	94	15.75%	94	16.59%	95	17.50%	96	18.22%
55	91	12.68%	92	13.52%	93	14.57%	93	15.55%
60	88	9.08%	89	9.98%	90	11.17%	91	12.41%
65	85	5.41%	86	6.35%	87	7.45%	88	8.74%
70	82	1.28%	83	2.26%	84	3.28%	85	4.69%
75	78	3.22%	79	2.19%	80	1.02%	81	0.38%
80	74	7.95%	75	6.81%	76	5.67%	78	4.05%
85	71	12.75%	72	11.55%	73	10.29%	74	8.78%
90	67	17.70%	67	16.81%	68	15.55%	70	13.69%
95	62	22.82%	63	21.84%	64	20.62%	66	19.01%
100	58	28.04%	59	26.96%	60	25.77%	61	24.22%
105	54	32.99%	55	32.20%	56	30.86%	57	29.34%
110	50	37.97%	51	37.20%	52	36.01%	53	34.49%
115	46	43.00%	47	42.28%	48	41.01%	49	39.56%
120	42	47.85%	43	47.12%	44	46.05%	45	44.50%
125	38	52.47%	39	51.81%	40	50.71%	41	49.24%
130	35	56.87%	35	56.26%	36	55.23%	37	53.84%

Gamma	$\Phi=90\text{DEG}$		$\Phi=112.5\text{DEG}$		$\Phi=135\text{DEG}$		$\Phi=157.5\text{DEG}$	
	$I_0$ (cd)	$(I_0 - I_{\text{AVG}})/I_{\text{AVG}}$	$I_0$ (cd)	$(I_0 - I_{\text{AVG}})/I_{\text{AVG}}$	$I_0$ (cd)	$(I_0 - I_{\text{AVG}})/I_{\text{AVG}}$	$I_0$ (cd)	$(I_0 - I_{\text{AVG}})/I_{\text{AVG}}$
0	104	28.07%	104	28.07%	104	28.07%	104	28.07%
5	104	28.26%	104	27.99%	104	28.09%	104	28.04%
10	104	28.15%	104	28.16%	104	28.25%	104	28.01%
15	103	27.90%	103	27.84%	103	27.87%	104	28.00%
20	103	27.49%	103	27.77%	103	27.78%	103	27.59%
25	103	27.22%	103	27.09%	103	27.00%	103	27.08%
30	102	25.97%	102	26.31%	102	26.58%	102	26.52%
35	101	24.82%	101	24.96%	101	25.39%	101	25.41%
40	100	23.27%	100	23.89%	100	24.19%	101	24.27%
45	98	21.42%	99	22.02%	99	22.40%	99	22.70%
50	96	19.14%	97	20.08%	98	20.60%	98	20.91%
55	94	16.47%	95	17.33%	96	18.05%	96	18.53%
60	92	13.39%	93	14.59%	93	15.40%	94	15.97%
65	89	9.96%	90	11.18%	91	12.04%	91	12.64%
70	86	6.17%	87	7.68%	88	8.56%	88	9.03%
75	82	1.91%	83	3.19%	85	4.56%	85	5.13%
80	79	2.55%	80	0.96%	81	0.25%	82	0.81%
85	75	7.19%	76	5.73%	78	4.20%	78	3.63%
90	71	11.84%	73	10.08%	74	8.90%	74	8.15%
95	67	17.10%	68	15.46%	70	13.91%	70	13.20%
100	63	22.29%	64	20.51%	65	19.10%	66	18.35%
105	59	27.52%	60	25.82%	61	24.34%	62	23.52%
110	54	32.68%	56	30.84%	57	29.43%	58	28.65%
115	50	37.79%	52	36.14%	53	34.64%	54	33.82%
120	46	42.73%	48	41.02%	49	39.70%	49	38.91%
125	42	47.61%	44	45.99%	45	44.65%	45	43.92%
130	39	52.31%	40	50.64%	41	49.42%	41	48.73%

Gamma	$\Phi=180\text{DEG}$		$\Phi=202.5\text{DEG}$		$\Phi=225\text{DEG}$		$\Phi=247.5\text{DEG}$	
	$I_0$ (cd)	$(I_0 - I_{\text{AVG}})/I_{\text{AVG}}$	$I_0$ (cd)	$(I_0 - I_{\text{AVG}})/I_{\text{AVG}}$	$I_0$ (cd)	$(I_0 - I_{\text{AVG}})/I_{\text{AVG}}$	$I_0$ (cd)	$(I_0 - I_{\text{AVG}})/I_{\text{AVG}}$
0	104	28.07%	104	28.07%	104	28.07%	104	28.07%
5	104	28.14%	104	28.01%	103	27.88%	104	27.99%
10	104	27.96%	104	27.95%	103	27.67%	103	27.51%
15	103	27.78%	103	27.52%	103	27.24%	103	27.01%
20	103	27.49%	103	27.06%	102	26.58%	102	26.08%
25	103	26.95%	102	26.35%	102	25.87%	101	25.28%
30	102	26.17%	102	25.72%	101	24.88%	100	24.10%
35	101	25.13%	101	24.43%	100	23.83%	99	22.76%
40	100	24.05%	100	23.48%	99	22.20%	98	21.01%
45	99	22.49%	98	21.67%	98	20.53%	96	19.13%
50	98	20.58%	97	19.72%	96	18.26%	94	16.58%
55	96	18.18%	95	17.45%	94	15.81%	92	14.08%
60	93	15.55%	93	14.59%	91	12.78%	90	10.94%
65	91	12.49%	90	11.52%	89	9.50%	87	7.70%
70	88	8.98%	87	7.99%	86	5.77%	84	3.85%
75	85	5.05%	84	3.92%	83	1.97%	81	0.21%
80	82	0.83%	81	0.32%	79	2.31%	77	4.55%
85	78	3.65%	77	4.71%	75	6.72%	74	8.94%
90	74	8.16%	73	9.33%	72	11.45%	70	13.74%
95	70	13.21%	69	14.22%	68	16.23%	66	18.44%
100	66	18.21%	65	19.25%	64	21.14%	62	23.37%
105	62	23.44%	61	24.22%	60	26.14%	58	28.23%
110	58	28.34%	57	29.34%	56	31.10%	54	33.18%
115	54	33.68%	53	34.40%	52	36.08%	50	38.07%
120	50	38.70%	49	39.45%	48	40.99%	46	42.84%
125	46	43.70%	45	44.27%	44	45.84%	42	47.52%
130	42	48.40%	41	49.05%	40	50.49%	39	52.06%

Gamma	$\Phi=270\text{DEG}$		$\Phi=292.5\text{DEG}$		$\Phi=315\text{DEG}$		$\Phi=337.5\text{DEG}$	
	$I_{\theta}$ (cd)	$(I_{\theta} - I_{\text{AVG}})/I_{\text{AVG}}$	$I_{\theta}$ (cd)	$(I_{\theta} - I_{\text{AVG}})/I_{\text{AVG}}$	$I_{\theta}$ (cd)	$(I_{\theta} - I_{\text{AVG}})/I_{\text{AVG}}$	$I_{\theta}$ (cd)	$(I_{\theta} - I_{\text{AVG}})/I_{\text{AVG}}$
0	104	28.07%	104	28.07%	104	28.07%	104	28.07%
5	104	27.94%	103	27.58%	103	27.36%	103	27.57%
10	103	27.23%	103	27.21%	103	27.08%	103	27.19%
15	102	26.61%	102	26.30%	102	26.26%	102	26.47%
20	102	25.78%	102	25.71%	102	25.61%	102	25.79%
25	101	24.84%	101	24.47%	101	24.34%	101	24.80%
30	100	23.60%	100	23.46%	100	23.21%	100	23.53%
35	99	22.37%	98	21.58%	98	21.39%	99	22.05%
40	97	20.38%	97	19.85%	97	19.71%	97	20.10%
45	96	18.20%	95	17.59%	95	17.30%	95	17.92%
50	94	15.81%	93	15.12%	93	14.94%	93	15.17%
55	91	12.81%	91	12.00%	90	11.66%	91	12.11%
60	89	9.68%	88	8.68%	88	8.49%	88	8.56%
65	86	6.28%	85	5.04%	85	4.57%	85	4.78%
70	83	2.28%	82	1.30%	81	0.65%	81	0.63%
75	79	1.87%	78	3.05%	78	3.74%	78	3.69%
80	76	6.21%	75	7.55%	74	8.16%	74	8.27%
85	72	10.79%	71	12.07%	70	13.02%	70	12.96%
90	68	15.37%	67	16.85%	67	17.76%	66	18.01%
95	65	20.18%	63	21.62%	63	22.71%	62	22.92%
100	61	25.00%	59	26.66%	58	27.74%	58	27.95%
105	57	29.91%	55	31.64%	55	32.63%	54	33.00%
110	53	34.84%	51	36.51%	51	37.54%	50	37.98%
115	49	39.72%	47	41.40%	47	42.39%	46	42.86%
120	45	44.51%	44	46.17%	43	47.07%	42	47.68%
125	41	49.20%	40	50.71%	39	51.70%	39	52.24%
130	37	53.68%	36	55.15%	36	56.11%	35	56.68%