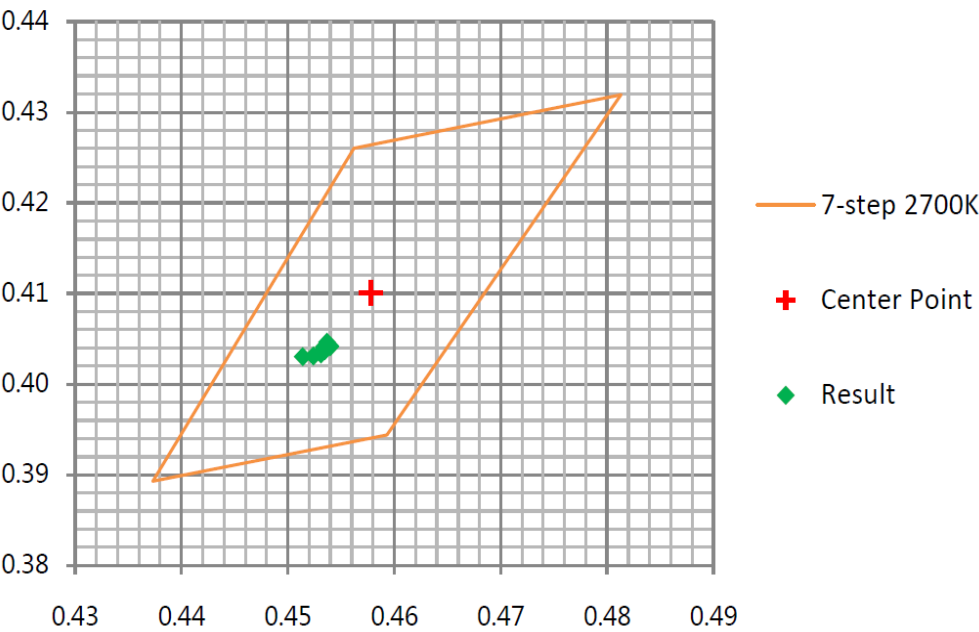


Company: RAB Lighting Inc.
Model Name: A19-9-E26-827-ND

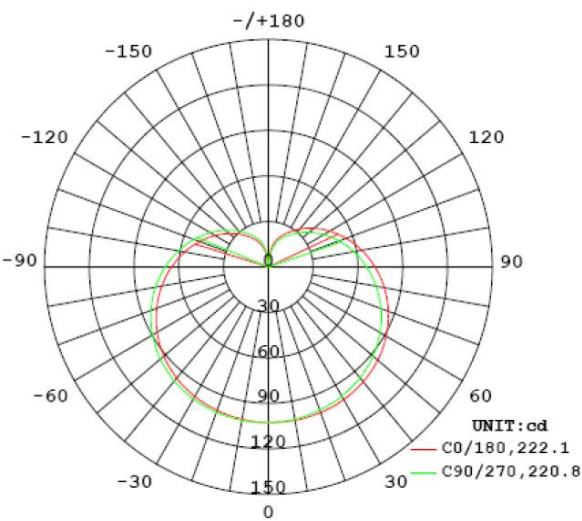
Initial Photometric and Electrical

Model Name	Voltage(V)	Current(A)	Power(W)	Power Factor	Luminous Flux(lm)	Efficacy(lm/W)	CCT(K)
A19-9-E26-827-ND	120	0.1241	9.239	0.6204	818.79	88.64	2740
	Ra	R9	Rf	Rg	x	y	Duv
	82.5	8	83	94	0.4534	0.4039	-0.00192

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



Luminous Intensity Distribution Diagram



Model Name	Orientation	Beam Angle (Deg)	CBCP (cd)
A19-9-E26-827-ND	VBU	221.5	103

Zonal Lumen Density

Deg	Flux (lm)	%	Deg	Flux (lm)	%
0-5	2.5	0.30	0-95	584.6	71.31
0-10	9.8	1.19	0-100	618.2	75.42
0-15	21.9	2.67	0-105	649.3	79.21
0-20	38.6	4.71	0-110	677.5	82.65
0-25	59.8	7.30	0-115	702.9	85.75
0-30	85.2	10.39	0-120	725.3	88.48
0-35	114.3	13.95	0-125	744.9	90.87
0-40	146.9	17.92	0-130	761.7	92.92
0-45	182.5	22.27	0-135	775.9	94.66
0-50	220.6	26.91	0-140	787.7	96.09
0-55	260.7	31.80	0-145	797.2	97.26
0-60	302.1	36.85	0-150	804.8	98.18
0-65	344.3	42.01	0-155	810.6	98.88
0-70	386.8	47.19	0-160	814.8	99.40
0-75	429.0	52.33	0-165	817.6	99.74
0-80	470.3	57.37	0-170	819.2	99.94
0-85	510.3	62.25	0-175	819.7	100.00
0-90	548.5	66.91	0-180	819.7	100.00

Gamma	Φ=0DEG		Φ=22.5DEG		Φ=45DEG		Φ=67.5DEG	
	I _θ (cd)	(I _θ -I _{AVG})/I _{AVG}	I _θ (cd)	(I _θ -I _{AVG})/I _{AVG}	I _θ (cd)	(I _θ -I _{AVG})/I _{AVG}	I _θ (cd)	(I _θ -I _{AVG})/I _{AVG}
0	103	29.66%	103	29.67%	103	29.67%	103	29.67%
5	102	29.45%	102	29.37%	103	29.49%	103	29.66%
10	102	28.84%	102	29.02%	102	29.23%	102	29.31%
15	101	28.11%	102	28.33%	102	28.64%	102	28.90%
20	101	27.22%	101	27.46%	101	27.98%	101	28.23%
25	100	26.04%	100	26.41%	100	26.95%	101	27.35%
30	99	24.68%	99	24.85%	100	25.71%	100	26.18%
35	97	22.96%	98	23.32%	98	24.03%	99	24.85%
40	96	20.82%	96	21.24%	97	22.20%	97	22.85%
45	94	18.45%	94	18.91%	95	19.76%	95	20.65%
50	91	15.56%	92	16.20%	93	17.10%	93	18.06%
55	89	12.55%	90	13.09%	90	13.97%	91	15.20%
60	86	8.80%	87	9.60%	88	10.56%	89	11.97%
65	83	4.93%	84	5.89%	84	6.73%	86	8.30%
70	80	0.71%	80	1.64%	81	2.73%	82	4.14%
75	76	3.75%	77	2.68%	78	1.65%	79	0.16%
80	73	8.36%	73	7.39%	74	6.21%	75	4.75%
85	69	13.06%	70	12.15%	70	10.99%	72	9.35%
90	65	18.01%	66	17.11%	67	15.90%	68	14.34%
95	61	22.93%	62	22.02%	63	20.86%	64	19.42%
100	57	27.99%	58	27.14%	59	25.94%	60	24.51%
105	53	32.93%	54	32.20%	55	30.93%	56	29.50%
110	49	37.92%	50	37.17%	51	36.02%	52	34.51%
115	45	42.78%	46	42.14%	47	40.98%	48	39.53%
120	41	47.60%	42	46.88%	43	45.82%	44	44.42%
125	38	52.17%	38	51.45%	39	50.53%	40	49.18%
130	34	56.67%	35	55.91%	36	55.00%	37	53.73%

Gamma	$\Phi=90\text{DEG}$			$\Phi=112.5\text{DEG}$			$\Phi=135\text{DEG}$			$\Phi=157.5\text{DEG}$		
	I_{θ} (cd)	$(I_{\theta} - I_{\text{AVG}})/I_{\text{AVG}}$		I_{θ} (cd)	$(I_{\theta} - I_{\text{AVG}})/I_{\text{AVG}}$		I_{θ} (cd)	$(I_{\theta} - I_{\text{AVG}})/I_{\text{AVG}}$		I_{θ} (cd)	$(I_{\theta} - I_{\text{AVG}})/I_{\text{AVG}}$	
0	103	29.66%		103	29.66%		103	29.66%		103	29.67%	
5	103	30.00%		103	30.02%		103	29.81%		103	29.70%	
10	103	29.66%		103	29.92%		103	29.89%		103	29.92%	
15	102	29.45%		103	29.67%		103	29.71%		102	29.37%	
20	102	28.85%		102	29.22%		102	29.16%		102	29.29%	
25	101	28.13%		102	28.64%		102	28.57%		102	28.46%	
30	101	27.01%		101	27.61%		101	27.66%		101	27.77%	
35	99	25.59%		100	26.58%		100	26.58%		100	26.52%	
40	98	23.85%		99	24.79%		99	25.16%		99	25.25%	
45	96	21.78%		97	23.04%		98	23.36%		98	23.28%	
50	95	19.39%		95	20.57%		96	21.25%		96	21.19%	
55	92	16.52%		93	17.98%		94	18.58%		94	18.51%	
60	90	13.35%		91	14.83%		92	15.65%		91	15.55%	
65	87	9.76%		88	11.29%		89	12.24%		89	12.19%	
70	84	5.81%		85	7.41%		86	8.47%		86	8.68%	
75	80	1.58%		82	3.18%		83	4.40%		83	4.38%	
80	77	2.83%		78	1.24%		79	0.10%		79	0.09%	
85	73	7.68%		75	5.88%		75	4.79%		75	4.64%	
90	69	12.47%		71	10.83%		72	9.63%		72	9.41%	
95	65	17.51%		67	15.79%		67	14.73%		68	14.35%	
100	61	22.58%		63	20.88%		64	19.76%		64	19.38%	
105	57	27.69%		59	25.99%		59	24.99%		60	24.57%	
110	53	32.90%		55	31.09%		55	30.09%		56	29.81%	
115	49	37.86%		50	36.29%		51	35.25%		51	35.02%	
120	45	42.85%		46	41.27%		47	40.32%		47	40.01%	
125	41	47.59%		43	46.21%		43	45.28%		44	45.01%	
130	38	52.18%		39	50.92%		40	50.01%		40	49.72%	

Gamma	$\Phi=180\text{DEG}$			$\Phi=202.5\text{DEG}$			$\Phi=225\text{DEG}$			$\Phi=247.5\text{DEG}$		
	I_{θ} (cd)	$(I_{\theta} - I_{\text{AVG}})/I_{\text{AVG}}$		I_{θ} (cd)	$(I_{\theta} - I_{\text{AVG}})/I_{\text{AVG}}$		I_{θ} (cd)	$(I_{\theta} - I_{\text{AVG}})/I_{\text{AVG}}$		I_{θ} (cd)	$(I_{\theta} - I_{\text{AVG}})/I_{\text{AVG}}$	
0	103	29.66%		103	29.67%		103	29.67%		103	29.67%	
5	103	29.81%		103	29.63%		102	29.39%		102	29.36%	
10	103	29.64%		102	29.41%		102	29.17%		102	28.80%	
15	102	29.47%		102	29.04%		102	28.51%		102	28.24%	
20	102	29.09%		102	28.47%		101	27.93%		101	27.36%	
25	102	28.44%		101	27.59%		100	26.84%		100	26.46%	
30	101	27.52%		100	26.61%		100	25.75%		99	25.03%	
35	100	26.28%		99	25.21%		98	24.22%		98	23.34%	
40	99	24.93%		98	23.65%		97	22.48%		96	21.29%	
45	97	22.97%		96	21.58%		95	20.30%		94	19.09%	
50	96	20.74%		95	19.39%		93	17.92%		92	16.59%	
55	94	18.13%		92	16.58%		91	14.98%		90	13.77%	
60	91	15.16%		90	13.55%		88	11.74%		87	10.24%	
65	88	11.69%		87	10.18%		86	8.13%		84	6.67%	
70	86	8.06%		84	6.27%		83	4.39%		81	2.74%	
75	82	3.86%		81	2.24%		79	0.17%		78	1.34%	
80	79	0.38%		77	2.21%		76	4.20%		75	5.64%	
85	75	5.02%		74	6.79%		72	8.79%		71	10.31%	
90	71	9.79%		70	11.55%		68	13.50%		67	15.08%	
95	67	14.74%		66	16.39%		65	18.28%		63	19.98%	
100	63	19.81%		62	21.40%		61	23.20%		59	24.85%	
105	59	24.87%		58	26.40%		57	28.16%		56	29.77%	
110	55	29.97%		54	31.49%		53	33.08%		52	34.73%	
115	51	35.09%		50	36.44%		49	38.13%		48	39.72%	
120	47	40.14%		46	41.42%		45	42.95%		44	44.54%	
125	44	45.02%		43	46.27%		41	47.73%		40	49.24%	
130	40	49.85%		39	50.89%		38	52.35%		37	53.70%	

Gamma	Φ=270DEG		Φ=292.5DEG		Φ=315DEG		Φ=337.5DEG	
	I_{θ} (cd)	$(I_{\theta} - I_{AVG})/I_{AVG}$	I_{θ} (cd)	$(I_{\theta} - I_{AVG})/I_{AVG}$	I_{θ} (cd)	$(I_{\theta} - I_{AVG})/I_{AVG}$	I_{θ} (cd)	$(I_{\theta} - I_{AVG})/I_{AVG}$
0	103	29.66%	103	29.66%	103	29.66%	103	29.67%
5	102	29.41%	102	29.35%	102	29.17%	102	29.16%
10	102	28.80%	102	28.65%	102	28.75%	102	28.71%
15	101	28.05%	101	27.97%	101	27.81%	101	27.87%
20	100	26.93%	101	26.97%	100	26.88%	101	26.99%
25	100	25.86%	100	25.78%	99	25.59%	99	25.66%
30	98	24.29%	98	24.30%	98	24.07%	98	24.35%
35	97	22.66%	97	22.47%	97	22.28%	97	22.58%
40	95	20.58%	95	20.37%	95	20.16%	95	20.49%
45	94	18.35%	93	17.95%	93	17.67%	93	18.08%
50	92	15.61%	91	15.07%	91	14.91%	91	15.17%
55	89	12.52%	89	11.95%	88	11.64%	89	11.98%
60	86	9.18%	86	8.43%	86	8.18%	86	8.39%
65	83	5.39%	83	4.61%	83	4.43%	83	4.53%
70	80	1.40%	80	0.68%	79	0.25%	79	0.36%
75	77	2.88%	76	3.71%	76	3.98%	76	4.03%
80	73	7.42%	73	8.13%	72	8.62%	72	8.61%
85	70	12.01%	69	12.80%	69	13.27%	69	13.43%
90	66	16.78%	65	17.59%	65	18.16%	65	18.29%
95	62	21.67%	61	22.52%	61	23.03%	61	23.19%
100	58	26.51%	57	27.37%	57	27.99%	57	28.09%
105	54	31.42%	54	32.31%	53	32.98%	53	33.12%
110	50	36.34%	50	37.25%	49	37.92%	49	37.97%
115	47	41.09%	46	42.11%	45	42.74%	45	42.93%
120	43	45.93%	42	46.82%	42	47.48%	41	47.67%
125	39	50.51%	38	51.49%	38	52.07%	38	52.26%
130	36	54.97%	35	55.89%	34	56.45%	34	56.68%