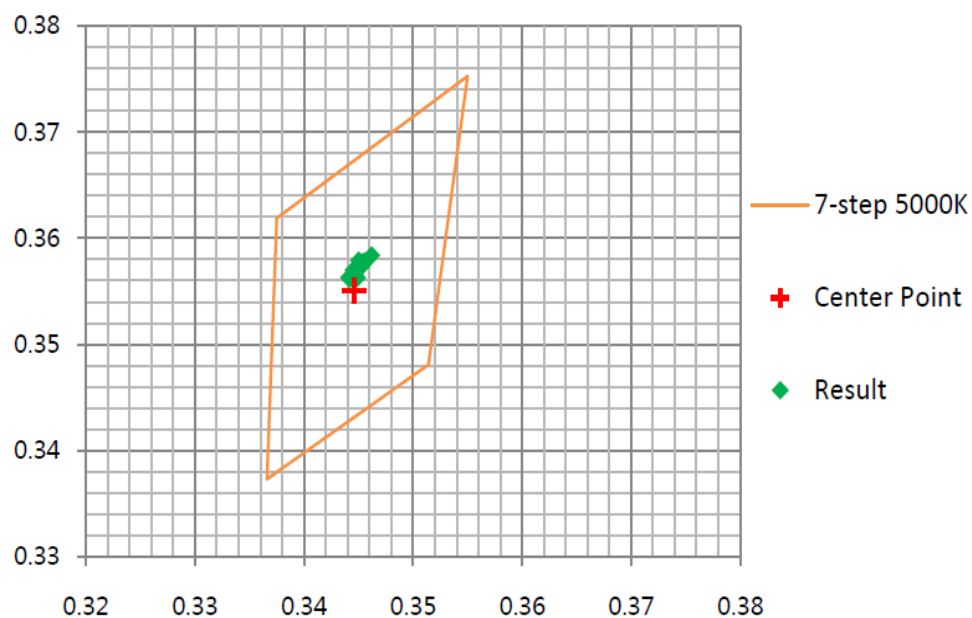


Company: RAB Lighting Inc.
Model Name: A19-9-E26-850-ND

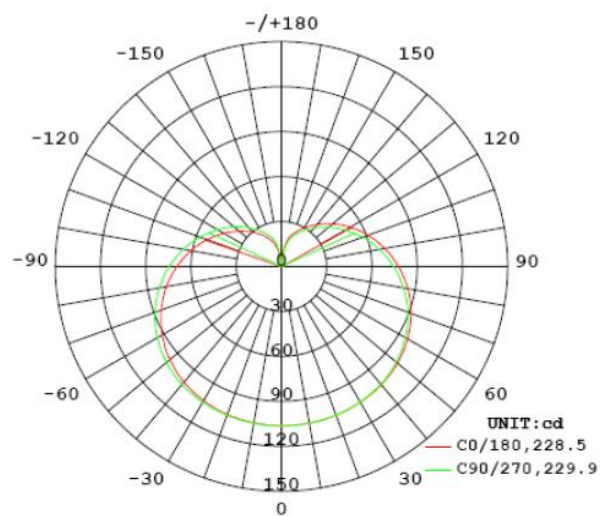
Initial Photometric and Electrical

Model Name	Voltage(V)	Current(A)	Power(W)	Power Factor	Luminous Flux(lm)	Efficacy(lm/W)	CCT(K)
A19-9-E26-850-ND	120	0.123	9.097	0.6165	884.49	97.23	5006
	Ra	R9	Rf	Rg	x	y	Duv
	85.1	16	84	95	0.3455	0.3578	0.00292

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



Luminous Intensity Distribution Diagram



Model Name	Orientation	Beam Angle (Deg)	CBCP (cd)
A19-9-E26-850-ND	VBU	229.2	106.8

Zonal Lumen Density

Deg	Flux (lm)	%	Deg	Flux (lm)	%
0-5	2.5	0.29	0-95	624.0	70.64
0-10	10.1	1.15	0-100	660.8	74.81
0-15	22.7	2.57	0-105	694.8	78.66
0-20	40.1	4.54	0-110	725.8	82.17
0-25	62.2	7.04	0-115	753.7	85.33
0-30	88.7	10.04	0-120	778.4	88.13
0-35	119.3	13.50	0-125	800.0	90.57
0-40	153.6	17.39	0-130	818.6	92.68
0-45	191.2	21.64	0-135	834.3	94.46
0-50	231.6	26.22	0-140	847.4	95.94
0-55	274.2	31.04	0-145	858.0	97.14
0-60	318.4	36.05	0-150	866.4	98.10
0-65	363.7	41.18	0-155	872.9	98.83
0-70	409.4	46.35	0-160	877.7	99.36
0-75	454.9	51.50	0-165	880.9	99.73
0-80	499.6	56.56	0-170	882.7	99.93
0-85	543.0	61.48	0-175	883.2	100.00
0-90	584.6	66.19	0-180	883.3	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	106	26.09%	106	26.09%	106	26.09%	106	26.09%
5	106	25.88%	106	25.95%	107	26.31%	106	26.09%
10	106	25.69%	106	25.77%	106	25.91%	106	25.93%
15	106	25.18%	106	25.45%	106	25.75%	106	25.64%
20	105	24.55%	105	24.79%	105	24.99%	106	25.18%
25	104	23.71%	105	23.93%	105	24.30%	105	24.70%
30	103	22.61%	104	22.89%	104	23.07%	104	23.67%
35	102	21.22%	103	21.63%	103	21.94%	103	22.66%
40	101	19.34%	101	19.97%	101	20.14%	102	21.09%
45	99	17.31%	99	17.74%	100	18.49%	101	19.29%
50	97	14.61%	97	15.15%	98	15.89%	99	17.08%
55	94	11.77%	95	12.21%	95	13.23%	96	14.27%
60	91	8.48%	92	8.97%	93	9.91%	94	11.23%
65	88	4.62%	89	5.28%	90	6.30%	91	7.81%
70	85	0.72%	85	1.11%	86	2.44%	88	4.02%
75	81	3.54%	82	2.91%	83	1.58%	84	0.03%
80	78	8.09%	78	7.58%	79	6.25%	81	4.45%
85	74	12.81%	74	12.21%	75	10.87%	77	9.06%
90	69	17.78%	70	17.23%	71	15.78%	73	13.87%
95	65	22.63%	66	22.05%	67	20.76%	69	18.69%
100	61	27.65%	62	26.98%	63	25.83%	64	23.72%
105	57	32.69%	57	32.03%	58	30.70%	60	28.79%
110	52	37.76%	53	37.14%	54	35.78%	56	33.83%
115	48	42.75%	49	41.91%	50	40.68%	52	38.81%
120	44	47.37%	45	46.65%	46	45.50%	47	43.77%
125	41	51.97%	41	51.39%	42	50.12%	43	48.45%
130	37	56.38%	37	55.76%	38	54.63%	40	53.06%

Gamma	Φ=90DEG		Φ=112.5DEG		Φ=135DEG		Φ=157.5DEG	
	I_0 (cd)	$(I_0 - I_{AVG})/I_{AVG}$	I_0 (cd)	$(I_0 - I_{AVG})/I_{AVG}$	I_0 (cd)	$(I_0 - I_{AVG})/I_{AVG}$	I_0 (cd)	$(I_0 - I_{AVG})/I_{AVG}$
0	106	26.09%	106	26.09%	106	26.09%	106	26.09%
5	106	26.21%	106	25.81%	106	26.04%	106	26.12%
10	106	25.79%	106	25.91%	106	25.97%	106	25.96%
15	106	25.75%	106	25.42%	106	25.71%	106	25.77%
20	106	25.24%	106	25.54%	106	25.41%	106	25.34%
25	105	24.77%	105	24.60%	105	24.87%	105	24.76%
30	105	23.97%	105	24.18%	105	24.20%	105	24.27%
35	104	23.04%	104	23.09%	104	23.31%	104	23.31%
40	103	21.66%	103	21.97%	103	22.46%	103	22.26%
45	101	20.14%	102	20.49%	102	20.87%	102	20.74%
50	100	18.08%	100	18.66%	100	19.12%	100	19.05%
55	98	15.80%	98	16.28%	99	16.96%	99	16.96%
60	95	12.74%	96	13.64%	96	14.40%	97	14.63%
65	92	9.59%	93	10.57%	94	11.30%	94	11.60%
70	89	5.88%	90	7.17%	91	7.80%	91	8.32%
75	86	1.90%	87	3.17%	88	4.21%	88	4.49%
80	82	2.30%	84	0.90%	84	0.13%	85	0.62%
85	78	6.97%	80	5.34%	81	4.26%	81	3.76%
90	75	11.50%	76	9.88%	77	8.72%	77	8.30%
95	70	16.54%	72	14.82%	73	13.63%	73	12.94%
100	66	21.50%	68	19.83%	69	18.43%	69	17.98%
105	62	26.60%	63	25.02%	65	23.49%	65	22.90%
110	58	31.55%	59	29.80%	60	28.61%	61	28.01%
115	53	36.71%	55	35.10%	56	33.64%	56	33.03%
120	49	41.54%	51	40.00%	52	38.70%	52	38.09%
125	45	46.54%	46	44.97%	47	43.75%	48	42.96%
130	41	51.11%	42	49.64%	43	48.44%	44	47.81%

Gamma	Φ=180DEG		Φ=202.5DEG		Φ=225DEG		Φ=247.5DEG	
	I_0 (cd)	$(I_0 - I_{AVG})/I_{AVG}$	I_0 (cd)	$(I_0 - I_{AVG})/I_{AVG}$	I_0 (cd)	$(I_0 - I_{AVG})/I_{AVG}$	I_0 (cd)	$(I_0 - I_{AVG})/I_{AVG}$
0	106	26.09%	106	26.09%	106	26.09%	106	26.09%
5	106	26.00%	106	26.12%	107	26.41%	106	26.12%
10	106	25.97%	106	26.10%	106	25.95%	106	25.89%
15	106	25.61%	106	25.67%	106	26.06%	106	25.64%
20	106	25.15%	106	25.35%	106	25.22%	106	25.16%
25	105	24.70%	105	24.97%	105	24.90%	105	24.75%
30	105	24.09%	105	24.34%	105	23.97%	105	23.95%
35	104	23.19%	104	23.37%	104	23.38%	104	23.14%
40	103	22.04%	103	22.21%	103	22.04%	103	22.09%
45	102	20.78%	102	20.83%	102	20.84%	101	20.34%
50	100	18.97%	101	19.24%	100	18.75%	100	18.64%
55	99	17.03%	99	16.94%	99	16.86%	98	16.24%
60	97	14.45%	96	14.36%	96	14.02%	96	13.60%
65	94	11.69%	94	11.47%	94	11.28%	93	10.44%
70	91	8.38%	91	8.28%	91	7.75%	90	6.98%
75	88	4.81%	88	4.62%	88	4.11%	87	3.07%
80	85	0.79%	85	0.57%	84	0.02%	83	1.01%
85	81	3.44%	81	3.66%	81	4.37%	80	5.59%
90	78	7.99%	78	7.96%	77	9.03%	76	10.14%
95	74	12.63%	73	12.89%	73	13.71%	72	15.10%
100	69	17.59%	69	17.78%	69	18.75%	67	19.98%
105	65	22.45%	65	22.88%	64	23.80%	63	25.00%
110	61	27.54%	61	27.83%	60	28.83%	59	30.14%
115	57	32.56%	57	32.90%	56	33.90%	55	35.23%
120	53	37.59%	52	38.10%	52	38.91%	50	40.28%
125	48	42.54%	48	43.05%	47	43.85%	46	45.21%
130	44	47.40%	44	47.81%	43	48.67%	42	49.95%

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	106	26.09%	106	26.09%	106	26.09%	106	26.09%
5	106	26.07%	106	25.75%	106	25.72%	106	25.94%
10	106	25.88%	106	25.70%	106	25.57%	106	25.57%
15	106	25.58%	105	25.05%	106	25.19%	106	25.17%
20	105	25.11%	105	24.72%	105	24.69%	105	24.60%
25	105	24.47%	104	23.85%	105	24.04%	104	23.70%
30	104	23.79%	104	23.36%	104	23.03%	104	22.78%
35	104	22.79%	103	22.02%	103	21.98%	102	21.26%
40	102	21.47%	102	20.73%	101	20.35%	101	19.67%
45	101	19.86%	100	18.70%	100	18.48%	99	17.53%
50	99	17.72%	99	16.91%	98	15.92%	97	15.15%
55	97	15.38%	96	14.06%	96	13.30%	95	12.27%
60	95	12.46%	94	11.22%	93	10.07%	92	9.06%
65	92	9.30%	91	7.60%	90	6.57%	89	5.45%
70	89	5.61%	88	4.01%	86	2.47%	86	1.53%
75	86	1.70%	84	0.27%	83	1.68%	82	2.93%
80	82	2.69%	81	4.40%	79	6.05%	78	7.35%
85	78	7.08%	77	9.27%	75	10.67%	74	12.06%
90	74	11.85%	73	14.00%	71	15.61%	70	16.98%
95	70	16.76%	68	18.90%	67	20.63%	66	21.90%
100	66	21.76%	64	23.77%	63	25.49%	62	27.02%
105	62	26.87%	60	28.97%	58	30.65%	57	32.00%
110	57	31.92%	56	33.99%	54	35.71%	53	36.99%
115	53	37.05%	51	39.03%	50	40.71%	49	41.91%
120	49	42.03%	47	43.86%	46	45.48%	45	46.70%
125	45	46.83%	43	48.66%	42	50.18%	41	51.25%
130	41	51.51%	39	53.25%	38	54.69%	37	55.73%