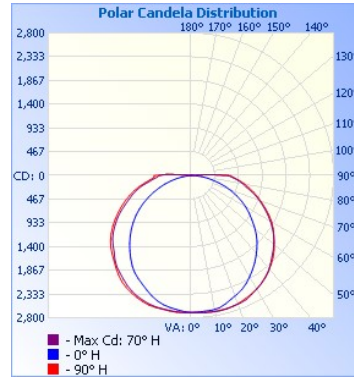
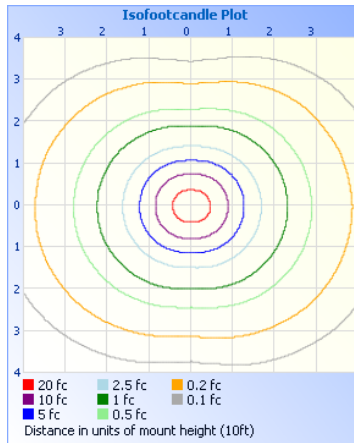


**Filename: 12100-3-8-82-40K**  
**Manufacturer: ALCON LIGHTING, INC**  
**Lamp: LED Module**  
**Lamp Output: Total luminaire Lumens: 9758**  
**Max Candela: 2,721.1 at Horizontal: 70°, Vertical: 12°**  
**Input Wattage: 82**  
**Luminous Opening: Rectangle w/Luminous Sides (L: 95.67", W: 3.15", H: 3.54")**  
**Test: 12100-3-8-82-40K**  
**Test Date: 28-Jul-2020 12:25:45**  
**Test Lab: Radiant Vision Systems ProSource**  
**Photometry : Type C**

Roadway Summary	
Cutoff Classification:	N/A
Distribution:	TYPE II, VERY SHORT
Max Cd, 90 Deg Vert:	775.4
Max Cd, 80 to <90 Deg:	1,064.0
Lumens % Lamp	
Downward Street Side:	4,932.5 50.5%
Downward House Side:	4,660.9 47.8%
Downward Total:	9,593.4 98.3%
Upward Street Side:	83.0 0.9%
Upward House Side:	82.8 0.8%
Upward Total:	165.8 1.7%
Total Lumens:	9,759.3 100%

#### Zonal Lumen Summary

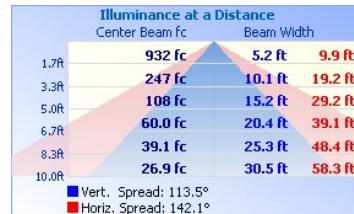
Zone	Lumens	% Luminaire
0-30	2,166.6	22.2%
0-40	3,613.2	37%
0-60	6,705.1	68.7%
60-90	2,887.0	29.6%
70-100	1,749.7	17.9%
90-120	165.9	1.7%
0-90	9,592.1	98.3%
90-180	165.9	1.7%
0-180	9,758.0	100%



Flood Summary			
	Efficiency	Lumens	Horizontal Spread
Field (10%):	99.1%	9,672.1	n/a
Beam (50%):	75.3%	7,347.4	142.1
Total:	100%	9,757.7	

#### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	255.7	2.6%	90-100	165.6	1.7%
10-20	749.5	7.7%	100-110	0.3	0%
20-30	1,161.4	11.9%	110-120	0	0%
30-40	1,446.6	14.8%	120-130	0	0%
40-50	1,574.2	16.1%	130-140	0	0%
50-60	1,517.8	15.6%	140-150	0	0%
60-70	1,302.9	13.4%	150-160	0	0%
70-80	970.3	9.9%	160-170	0	0%
80-90	613.8	6.3%	170-180	0	0%



#### Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%																				
RCC %:		80				70				50				30				10				0
RW %:		70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0			
RCR: 0		1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.08	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	0.98			
1		1.06	1.00	.95	.90	1.03	.98	.93	.78	.93	.89	.85	.89	.85	.82	.85	.82	.80	.77			
2		.95	.86	.78	.71	.92	.84	.77	.64	.80	.74	.68	.76	.71	.67	.73	.69	.65	.62			
3		.86	.75	.66	.58	.84	.73	.64	.53	.69	.62	.56	.66	.60	.55	.64	.58	.54	.51			
4		.79	.66	.56	.49	.76	.64	.55	.45	.61	.54	.47	.59	.52	.46	.56	.50	.46	.43			
5		.72	.58	.49	.41	.70	.57	.48	.39	.55	.47	.41	.52	.45	.40	.50	.44	.39	.37			
6		.66	.52	.43	.36	.64	.51	.42	.34	.49	.41	.35	.47	.40	.35	.45	.39	.34	.32			
7		.61	.47	.38	.31	.60	.46	.38	.30	.45	.37	.31	.43	.36	.31	.41	.35	.30	.28			
8		.57	.43	.34	.28	.55	.42	.34	.27	.41	.33	.27	.39	.32	.27	.38	.32	.27	.25			
9		.53	.39	.31	.25	.52	.39	.30	.24	.37	.30	.25	.36	.29	.24	.35	.29	.24	.22			
10		.50	.36	.28	.23	.49	.36	.28	.22	.35	.27	.22	.33	.27	.22	.32	.26	.22	.20			

