

**Filename: 12100-3-3-21-40K**

Manufacturer: ALCON LIGHTING, INC

Lamp: LED Module \_NUMBEROFRAYS]10000000

Lamp Output: Total luminaire Lumens: 3482.6

Max Candela: 975.3 at Horizontal: 100°, Vertical: 12°

Input Wattage: 28.2

Luminous Opening: Rectangle w/Luminous Sides (L: 24.02", W: 3.15", H: 3.54")

Test: 12100-3-3-21-40K

Test Date: 17-Aug-2020 09:01:25

Test Lab: Radiant Vision Systems ProSource

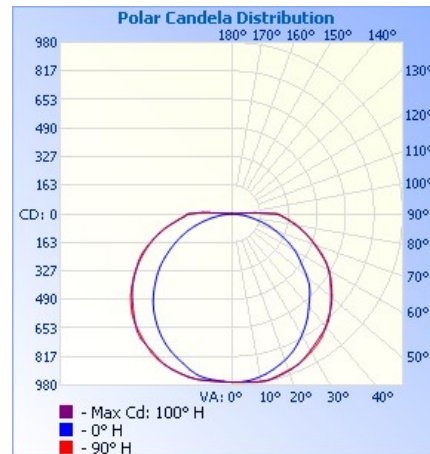
Photometry : Type C

**Roadway Summary**

Cutoff Classification:	N/A
Distribution:	TYPE II, VERY SHORT
Max Cd, 90 Deg Vert:	270.0
Max Cd, 80 to <90 Deg:	369.8
Lumens % Lamp	
Downward Street Side:	1,719.4 49.4%
Downward House Side:	1,703.6 48.9%
Downward Total:	3,423.0 98.3%
Upward Street Side:	29.1 0.8%
Upward House Side:	31.0 0.9%
Upward Total:	60.1 1.7%
Total Lumens:	3,483.1 100%

**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	773.9	22.2%
0-40	1,290.1	37%
0-60	2,392.3	68.7%
60-90	1,030.2	29.6%
70-100	624.8	17.9%
90-120	60.1	1.7%
0-90	3,422.5	98.3%
90-180	60.1	1.7%
0-180	3,482.6	100%

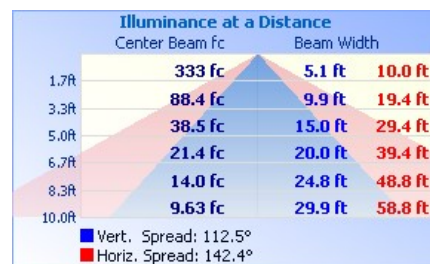
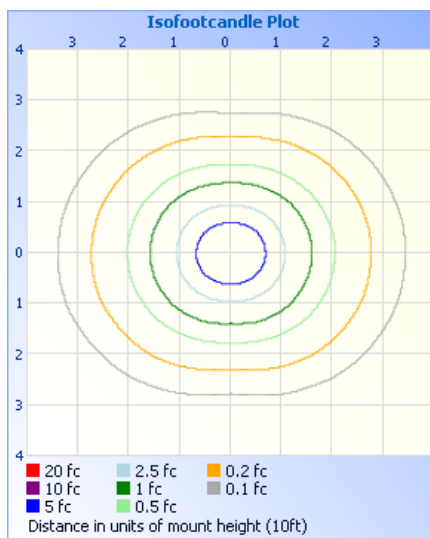


**Flood Summary**

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	99.1%	3,451.3	n/a	166.3
Beam (50%):	75%	2,611.9	142.4	112.5
Total:	100%	3,482.5		

**Lumens Per Zone**

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	91.5	2.6%	90-100	60.0	1.7%
10-20	268.1	7.7%	100-110	0.1	0%
20-30	414.4	11.9%	110-120	0	0%
30-40	516.2	14.8%	120-130	0	0%
40-50	561.1	16.1%	130-140	0	0%
50-60	541.1	15.5%	140-150	0	0%
60-70	465.5	13.4%	150-160	0	0%
70-80	346.4	9.9%	160-170	0	0%
80-90	218.3	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	10	50	30	20	10	50	30	20	10	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	.98	1.10	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	1.00	.98	
1	1.06	1.00	.95	.90	1.03	.98	.93	.78	.93	.89	.85	.89	.85	.82	.85	.82	.80	.77	.73	.69	.65
2	.95	.86	.78	.71	.92	.84	.77	.64	.80	.74	.68	.76	.71	.67	.73	.69	.65	.62	.58	.54	.51
3	.86	.75	.66	.58	.84	.73	.64	.53	.69	.62	.56	.66	.60	.55	.64	.58	.54	.51	.47	.43	.40
4	.79	.66	.56	.49	.76	.64	.55	.45	.61	.54	.47	.59	.52	.46	.56	.50	.46	.43	.39	.35	.32
5	.72	.58	.49	.42	.70	.57	.48	.39	.55	.47	.41	.52	.45	.40	.50	.44	.39	.37	.33	.30	.27
6	.66	.52	.43	.36	.64	.51	.42	.34	.49	.41	.35	.47	.40	.35	.45	.39	.34	.32	.28	.25	.22
7	.61	.47	.38	.31	.60	.46	.38	.30	.45	.37	.31	.43	.36	.31	.41	.35	.30	.28	.24	.21	.18
8	.57	.43	.34	.28	.55	.42	.34	.27	.41	.33	.27	.39	.32	.27	.38	.32	.27	.25	.21	.18	.15
9	.53	.39	.31	.25	.52	.39	.30	.24	.37	.30	.25	.36	.29	.24	.35	.29	.24	.22	.18	.15	.12
10	.50	.36	.28	.23	.49	.36	.28	.22	.35	.27	.22	.33	.27	.22	.32	.26	.22	.20	.16	.13	.10

### Candela Table - Type C

	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360		
0	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	
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6	959	960	963	965	967	968	969	969	969	968	966	964	961	959	958	957	956	956	955	955	956	957	957	958	960	961	961	961	961	960	959	957	957	957	957	957	957	959	
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120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																		

## Luminaire Report Summary

```
FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 61, HORIZONTAL ANGLES: 37
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: METRIC
FILE: BALLAST FACTOR: 1
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