

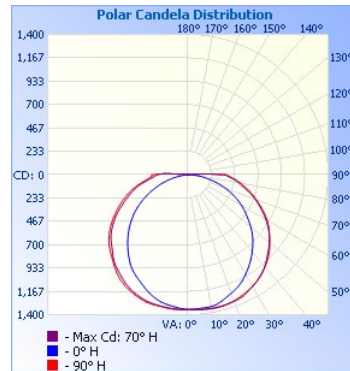
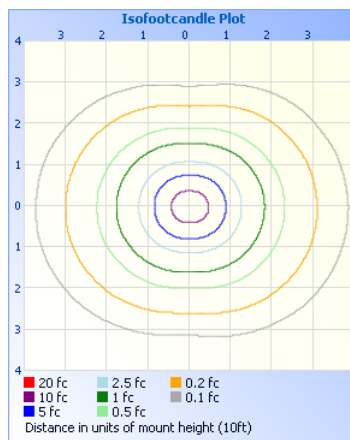
Filename: 12100-3-4-41-40K
Manufacturer: ALCON LIGHTING, INC
Lamp: LED Module
Lamp Output: Total luminaire Lumens: 4879
Max Candela: 1,360.5 at Horizontal: 70°, Vertical: 12°
Input Wattage: 41
Luminous Opening: Rectangle w/Luminous Sides (L: 48.03", W: 3.15", H: 3.54")
Test: 12100-3-4-41-40K
Test Date: 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:	387.7
Max Cd, 80 to <90 Deg:	532.0
Lumens % Lamp	
Downward Street Side:	2,466.2 50.5%
Downward House Side:	2,330.5 47.8%
Downward Total:	4,796.7 98.3%
Upward Street Side:	41.5 0.9%
Upward House Side:	41.4 0.8%
Upward Total:	82.9 1.7%
Total Lumens:	4,879.6 100%

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,083.3	22.2%
0-40	1,806.6	37%
0-60	3,352.6	68.7%
60-90	1,443.5	29.6%
70-100	874.8	17.9%
90-120	82.9	1.7%
0-90	4,796.1	98.3%
90-180	82.9	1.7%
0-180	4,879.0	100%



Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	99.1%	4,836.1	n/a	166.7
Beam (50%):	75.3%	3,673.7	142.1	113.5
Total:	100%	4,878.8		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	127.8	2.6%	90-100	82.8	1.7%
10-20	374.8	7.7%	100-110	0.1	0%
20-30	580.7	11.9%	110-120	0	0%
30-40	723.3	14.8%	120-130	0	0%
40-50	787.1	16.1%	130-140	0	0%
50-60	758.9	15.6%	140-150	0	0%
60-70	651.5	13.4%	150-160	0	0%
70-80	485.2	9.9%	160-170	0	0%
80-90	306.9	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	1.06	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			

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
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