

Filename: 12100-3-2-41-50K
Manufacturer: ALCON LIGHTING, INC
Lamp: LED Module
Lamp Output: Total luminaire Lumens: 4900.5
Max Candela: 1,363.4 at Horizontal: 90°, Vertical: 12°
Input Wattage: 40.7
Luminous Opening: Rectangle w/Luminous Sides (L: 24.02", W: 3.15", H: 3.54")

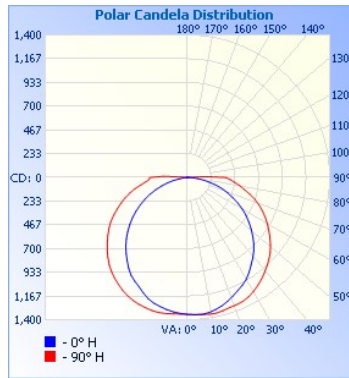
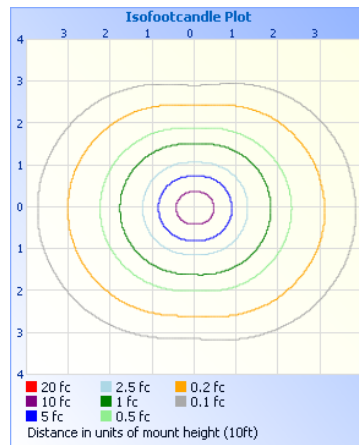
Test: 12100-3-2-41-50K
Test Date: 29-Jul-2020 07:53:20
Test Lab: Radiant Vision Systems ProSource
Photometry : Type C

Roadway Summary

Cutoff Classification:	N/A
Distribution:	TYPE II, VERY SHORT
Max Cd, 90 Deg Vert:	378.2
Max Cd, 80 to <90 Deg:	523.1
Lumens % Lamp	
Downward Street Side:	2,473.9 50.5%
Downward House Side:	2,342.1 47.8%
Downward Total:	4,816.1 98.3%
Upward Street Side:	42.8 0.9%
Upward House Side:	42.3 0.9%
Upward Total:	85.0 1.7%
Total Lumens:	4,901.1 100%

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,085.8	22.2%
0-40	1,811.2	37%
0-60	3,362.4	68.6%
60-90	1,453.0	29.7%
70-100	882.8	18%
90-120	85.1	1.7%
0-90	4,815.4	98.3%
90-180	85.1	1.7%
0-180	4,900.5	100%

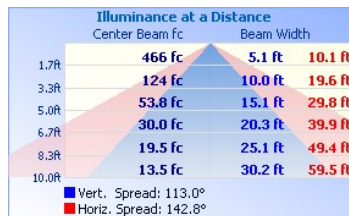


Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	99.1%	4,857.7	n/a	164.8
Beam (50%):	75.3%	3,689.7	142.8	113
Total:	100%	4,900.4		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	128.2	2.6%	90-100	84.9	1.7%
10-20	375.6	7.7%	100-110	0.1	0%
20-30	582.0	11.9%	110-120	0	0%
30-40	725.5	14.8%	120-130	0	0%
40-50	789.4	16.1%	130-140	0	0%
50-60	761.8	15.5%	140-150	0	0%
60-70	655.1	13.4%	150-160	0	0%
70-80	488.3	10.0%	160-170	0	0%
80-90	309.6	6.3%	170-180	0	0%



Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%											
RCC %:		80				70				50			
RW %:		20	30	40	50	20	30	40	50	20	30	40	50
RCC: 0		1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.10	1.10	1.10	1.05
1		1.06	1.00	.95	.90	1.03	.98	.93	.88	.89	.85	.82	.85
2		.95	.86	.78	.71	.92	.84	.76	.64	.80	.74	.68	.76
3		.86	.75	.65	.58	.84	.73	.64	.53	.69	.62	.56	.66
4		.79	.66	.56	.49	.76	.64	.55	.45	.61	.53	.47	.59
5		.72	.58	.49	.41	.70	.57	.48	.39	.55	.47	.40	.52
6		.66	.52	.43	.36	.64	.51	.42	.34	.49	.41	.35	.47
7		.61	.47	.38	.31	.60	.46	.37	.30	.45	.37	.31	.43
8		.57	.43	.34	.28	.55	.42	.34	.27	.41	.33	.27	.39
9		.53	.39	.31	.25	.52	.39	.30	.24	.37	.30	.25	.36
10		.50	.36	.28	.23	.49	.36	.28	.22	.34	.27	.22	.33

