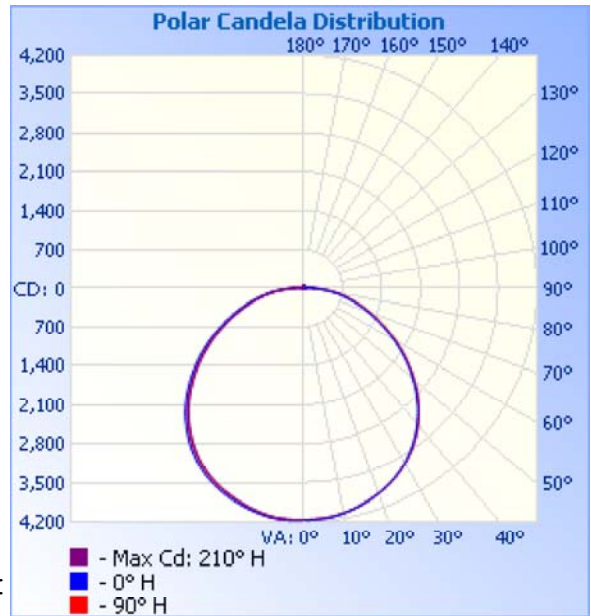




Filename: RHB15L100W14000LDMV50K
Manufacturer: Saylite
Luminaire: RHB15L100W14000LDMV50K
Lamp: DIM100A12S-2598
Lamp Cat: L130-5070-Q
Lamp Output: 1 lamp, rated Lumens/lamp: 13268.3
Max Candela: 4,175.1 at Horizontal: 210°, Vertical: 4°
Input Wattage: 103.8
Luminous Opening: Point
Photometry : Type C
Nema Type: 7 X 7



Roadway Summary

Cutoff Classification: CUTOFF
Distribution: Type VS
Max Cd, 90 Deg Vert: 244.9
Max Cd, 80 to <90 Deg: 779.2
Lumens % Lamp
 Downward Street Side: 6,359.3 47.9%
 Downward House Side: 6,579.1 49.6%
 Downward Total: 12,938.4 97.5%
 Upward Street Side: 159.4 1.2%
 Upward House Side: 170.5 1.3%
 Upward Total: 329.9 2.5%
Total Lumens: 13,268.3 100%

Flood Summary

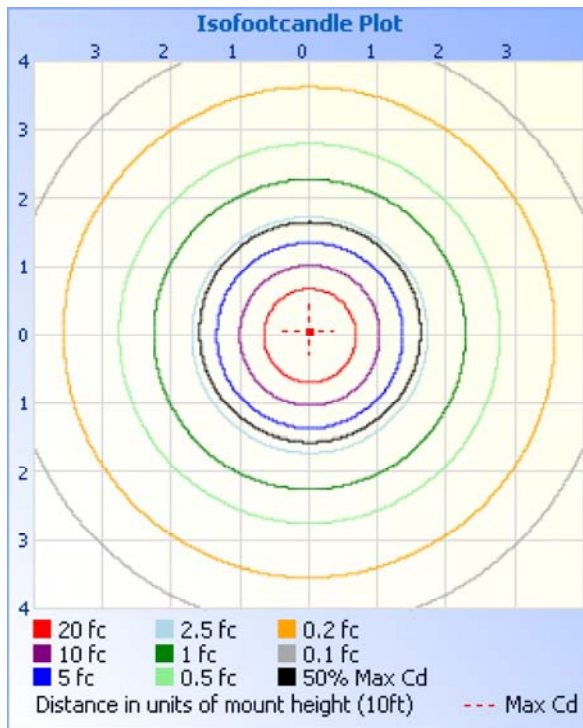
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	96.4%	12,793.2	171.9	171.8
Beam (50%):	70.8%	9,395.2	115.7	116
Total:	100%	13,264.2		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	3,302.3	24.9%	24.9%
0-40	5,469.1	41.2%	41.2%
0-60	9,785.8	73.8%	73.8%
60-90	3,151.6	23.8%	23.8%
70-100	1,721.8	13%	13%
90-120	246.4	1.9%	1.9%
0-90	12,937.4	97.5%	97.5%
90-180	329.9	2.5%	2.5%
0-180	13,267.3	100%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	395.6	3.0%	90-100	159.2	1.2%
10-20	1,424.4	8.6%	100-110	62.5	0.5%
20-30	1,764.3	13.3%	110-120	24.7	0.2%
30-40	2,166.8	16.3%	120-130	18.4	0.1%
40-50	2,269.9	17.1%	130-140	19.1	0.1%
50-60	2,046.8	15.4%	140-150	17.9	0.1%
60-70	1,589.1	12.0%	150-160	14.8	0.1%
70-80	1,052.9	7.9%	160-170	9.8	0.1%
80-90	509.6	3.8%	170-180	3.5	0%



	Center Beam fc	Beam Width	
1.7ft	1,440 fc	5.4 ft	5.4 ft
3.3ft	382 fc	10.6 ft	10.5 ft
5.0ft	166 fc	16.0 ft	15.9 ft
6.7ft	92.7 fc	21.4 ft	21.3 ft
8.3ft	60.4 fc	26.6 ft	26.4 ft
10.0ft	41.6 fc	32.0 ft	31.8 ft

■ Vert. Spread: 116.0°
■ Horiz. Spread: 115.7°

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	1.181	1.181	1.181	1.181	1.151	1.151	1.151	1.098	1.101	1.101	1.101	1.051	1.051	1.051	1.001	1.001	1.001	0.98
	11.07	11.02	9.97	.93	1.04	0.99	.95	.80	0.95	.91	.88	.90	.87	.85	.86	.84	.82	.80
	2.97	.88	.81	.75	.94	.86	.80	.67	0.82	.77	.72	.79	.74	.70	.75	.71	.68	.66
	3.88	.77	.69	.62	.86	.75	.68	.56	0.72	.65	.60	.69	.63	.58	.66	.61	.57	.55
	4.81	.68	.59	.52	.78	.67	.58	.48	0.64	.57	.51	.61	.55	.50	.59	.53	.49	.47
	5.74	.61	.52	.45	.72	.60	.51	.42	0.57	.50	.44	.55	.48	.43	.53	.47	.42	.40
	6.68	.55	.46	.39	.66	.54	.45	.37	0.52	.44	.38	.50	.43	.38	.48	.42	.37	.35
	7.63	.50	.41	.34	.61	.49	.40	.33	0.47	.39	.34	.45	.38	.33	.44	.37	.33	.31
	8.59	.45	.36	.31	.57	.44	.36	.29	0.43	.35	.30	.41	.35	.30	.40	.34	.29	.27
	9.55	.41	.33	.27	.53	.41	.33	.26	0.39	.32	.27	.38	.31	.27	.37	.31	.26	.25
	10.52	.38	.30	.25	.50	.38	.30	.24	0.36	.29	.24	.35	.29	.24	.34	.28	.24	.22

Candela Table - Type C

	0	30	60	90	120	150	180	210	240	270	300	330	360
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1	41654	16041	15841	15741	15641	15841	17041	16841	16741	16341	15941	15641	165
2	41624	15641	15441	15341	15441	15741	17241	17141	17041	16541	16041	15541	162
3	41594	15341	15041	15141	15241	15741	17341	17341	17241	16741	16041	15341	159
4	41544	14941	14741	14841	14941	15641	17341	17541	17441	16741	15941	15041	154
5	41514	14441	14241	14441	14641	15441	17341	17541	17341	16641	15741	14741	151
6	41464	13941	13741	13941	14241	15041	17041	17341	17141	16341	15341	14341	146
7	41404	13141	12941	13241	13641	14541	16641	16941	16741	15841	14841	13741	140
8	41324	12241	12141	12341	12941	13841	16041	16441	16141	15141	14141	12941	132
9	41204	11141	11041	11441	12041	13141	15341	15741	15141	14141	13141	11941	120

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Luminaire Report Summary

IESNA:LM-63-2002

[TEST]

[ISSUEDATE] 2018-1-10 15:47

[MANUFAC] Saylite

[LUMCAT]

[LUMINAIRE] RHB15L100W14000LDMV50K

[LAMPCAT] L130-5070-Q

[LAMP] DIM100A12S-2598

[VOLTAGE] 120.8 V

[CURRENT] 0.862 A

[POWERFACTOR] 0.997

[TESTLAB]

[TESTINST] GPM-1800B

[TESTDIST] 11.672 m

FILE: CANDELA MULTIPLIER: 1

FILE: VERTICAL ANGLES: 181, HORIZONTAL ANGLES: 13

FILE: COORDINATE SYSTEM: TYPE C

FILE: UNIT OF MEASURE: METRIC

FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.