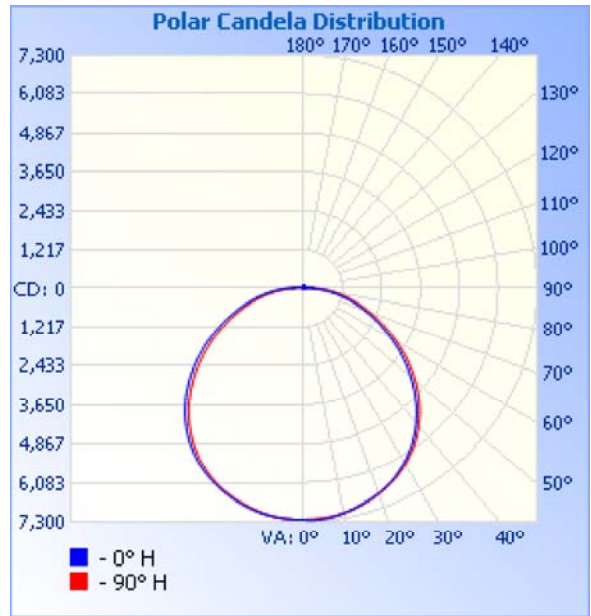




Filename: RHB15L180W25000LDMV50K
Manufacturer: Saylite
Luminaire: RHB15L180W25000LDMV50K
Lamp: DIM100A12S-2270
Lamp Cat: L130-5070-Q
Lamp Output: 1 lamp, rated Lumens/lamp: 22955.2
Max Candela: 7,245.7 at Horizontal: 0°, Vertical: 2°
Input Wattage: 175.6
Luminous Opening: Point
Photometry : Type C
Nema Type: 7 X 7



Roadway Summary

Cutoff Classification: CUTOFF
Distribution: Type VS
Max Cd, 90 Deg Vert: 511.4
Max Cd, 80 to <90 Deg: 1,415.6
Lumens % Lamp
 Downward Street Side: 10,903.847.5%
 Downward House Side: 11,491.050.1%
 Downward Total: 22,394.797.6%
 Upward Street Side: 255.5 1.1%
 Upward House Side: 305.0 1.3%
 Upward Total: 560.5 2.4%
Total Lumens: 22,955.2100%

Flood Summary

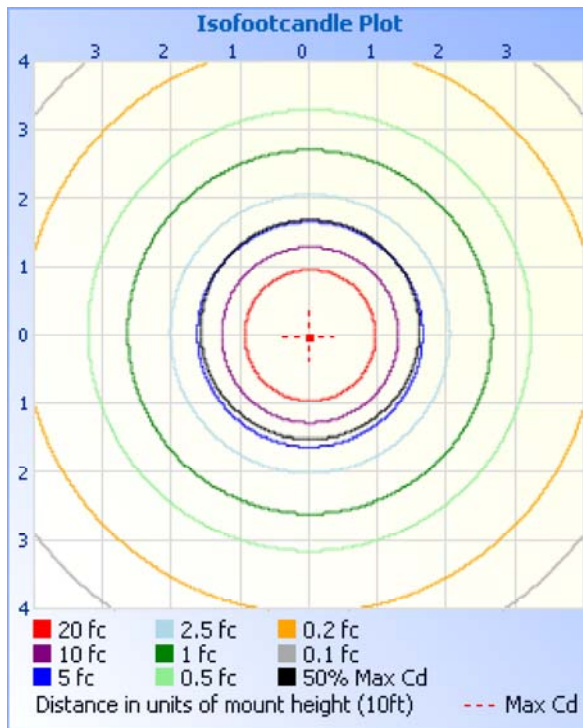
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	96.4%	22,139.7	171.5	171.6
Beam (50%):	70.7%	16,240.3	115.4	115.9
Total:	100%	22,948.4		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	5,726.3	24.9%	24.9%
0-40	9,482.3	41.3%	41.3%
0-60	16,963.4	73.9%	73.9%
60-90	5,429.5	23.7%	23.7%
70-100	2,954.8	12.9%	12.9%
90-120	418.5	1.8%	1.8%
0-90	22,392.9	97.6%	97.6%
90-180	560.5	2.4%	2.4%
0-180	22,953.4	100%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	686.0	3.0%	90-100	272.2	1.2%
10-20	1,981.2	8.6%	100-110	105.4	0.5%
20-30	3,059.1	13.3%	110-120	40.8	0.2%
30-40	3,756.0	16.4%	120-130	31.3	0.1%
40-50	3,934.2	17.1%	130-140	32.4	0.1%
50-60	3,546.9	15.5%	140-150	30.5	0.1%
60-70	2,746.9	12.0%	150-160	25.2	0.1%
70-80	1,810.6	7.9%	160-170	16.9	0.1%
80-90	872.0	3.8%	170-180	5.9	0%



	Center Beam fc	Beam Width	
1.7ft	2,501 fc	5.4 ft	5.4 ft
3.3ft	664 fc	10.5 ft	10.4 ft
5.0ft	289 fc	16.0 ft	15.8 ft
6.7ft	161 fc	21.4 ft	21.2 ft
8.3ft	105 fc	26.5 ft	26.3 ft
10.0ft	72.3 fc	31.9 ft	31.7 ft

■ Vert. Spread: 115.9°
■ Horiz. Spread: 115.4°

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	9.93	10.04	9.99	9.95	8.19	8.95	8.91	8.88	8.90	8.88	8.85	8.86	8.84	8.82	8.80
	2.97	2.88	2.81	2.75	2.94	2.86	2.80	2.67	2.82	2.77	2.72	2.79	2.74	2.70	2.75	2.71	2.68	2.66
	3.88	3.77	3.69	3.62	3.86	3.76	3.68	3.57	3.72	3.65	3.60	3.69	3.63	3.59	3.66	3.61	3.57	3.55
	4.81	4.68	4.59	4.52	4.78	4.67	4.58	4.48	4.64	4.57	4.51	4.61	4.55	4.50	4.59	4.53	4.49	4.47
	5.74	5.61	5.52	5.45	5.72	5.60	5.51	5.42	5.57	5.50	5.44	5.55	5.48	5.43	5.53	5.47	5.42	5.40
	6.68	6.55	6.46	6.39	6.66	6.54	6.45	6.37	6.52	6.44	6.38	6.50	6.43	6.38	6.48	6.42	6.37	6.35
	7.63	7.50	7.41	7.34	7.61	7.49	7.40	7.33	7.47	7.39	7.34	7.45	7.38	7.33	7.44	7.38	7.33	7.31
	8.59	8.45	8.37	8.31	8.57	8.44	8.36	8.29	8.43	8.35	8.30	8.41	8.35	8.30	8.40	8.34	8.29	8.27
	9.55	9.41	9.33	9.27	9.53	9.41	9.33	9.26	9.39	9.32	9.27	9.38	9.32	9.27	9.37	9.31	9.26	9.25
	10.52	10.38	10.30	10.25	10.50	10.38	10.30	10.24	10.36	10.29	10.24	10.35	10.29	10.24	10.34	10.28	10.24	10.22

Candela Table - Type C

	0	30	60	90	120	150	180	210	240	270	300	330	360
0	722	722	722	722	722	722	722	722	722	722	722	722	722
1	724	572	347	229	721	872	127	206	723	672	317	230	722
2	724	672	347	224	721	572	206	720	723	172	277	231	722
3	724	572	317	221	721	107	200	719	472	226	722	237	722
4	724	407	225	721	147	203	719	171	872	187	218	722	257
5	723	272	167	207	719	571	187	718	718	372	127	211	721
6	721	197	204	719	571	188	718	271	178	720	472	212	721
7	720	371	190	718	271	179	717	174	717	198	719	472	203
8	718	571	171	718	167	167	716	571	164	718	187	718	187
9	716	271	150	717	151	151	715	153	715	167	718	169	717

10 7137712771297133714171427165715371547149713371157137
11 7110710371077111712371267147713471347124710570887110
12 7083707870837092710271077129711371117100707670597083
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14 7021702170287039705470587082706670627047701669977021
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 93 236 239 265 283 303 322 333 328 315 285 255 243 236
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 96 184 187 206 220 236 252 263 258 249 222 200 187 184
 97 169 168 189 201 218 233 241 239 228 204 181 172 169
 98 156 155 173 186 200 213 223 219 211 187 165 158 156
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 101121 117 126 143 153 162 173 168 162 142 119 123 121
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 103102 98 100 117 122 136 147 144 129 114 94 101 102
 10493 91 88 104 110 123 134 131 115 99 83 92 93
 10586 82 79 94 97 114 125 120 102 87 75 84 86
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 10866 62 55 63 69 86 96 92 74 53 57 63 66
 10960 57 51 54 63 80 88 84 67 47 54 58 60
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 11150 47 45 40 55 67 74 70 56 39 45 48 50

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13242	37	38	38	39	36	43	41	40	42	39	41	42
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15858	53	57	54	54	55	58	58	54	60	58	58	58
15958	55	57	54	55	55	58	60	54	61	57	60	58
16059	54	57	55	55	57	59	59	56	62	57	60	59
16159	54	59	55	55	57	62	59	57	62	58	61	59
16260	54	59	56	57	58	62	60	57	62	58	59	60

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16561	55	61	56	58	59	62	60	60	64	59	61	61
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17364	56	62	59	60	64	68	63	60	64	61	63	64
17466	57	63	60	61	64	67	62	61	64	60	64	66
17564	57	62	60	59	64	66	63	61	65	62	64	64
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17764	59	63	61	60	65	66	62	62	65	62	63	64
17865	59	64	60	62	65	66	62	61	64	62	63	65
17963	60	63	61	62	64	66	63	60	63	59	64	63
18063	63	63	63	63	63	63	63	63	63	63	63	63

Luminaire Report Summary

IESNA:LM-63-2002

[TEST]

[ISSUEDATE] 2018-1-8 16:34

[MANUFAC] Saylite

[LUMCAT]

[LUMINAIRE] RHB15L180W25000LDMV50K

[LAMPCAT] L130-5070-Q

[LAMP] DIM100A12S-2270

[VOLTAGE] 120.6 V

[CURRENT] 1.460 A

[POWERFACTOR] 0.995

[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.