



Filename: SCB24LY57WDMV40K

Manufacturer: SAYLITE-TEXAS FLUORESCENTS REINVENTED

Lamp: LED Module

Lamp Output: Total luminaire Lumens: 4799.2

Max Candela: 1,565.7 at Horizontal: 90°, Vertical: 3°

Input Wattage: 57.5

Luminous Opening: Rectangle w/Luminous Sides (L: 48.03", W: 24.02", H: 3.15")

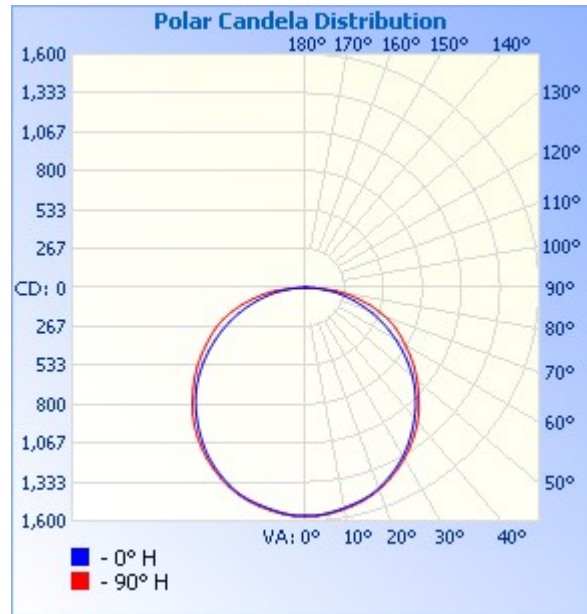
Test: SCB24LY57WDMV40K

Test Date: 07-Sep-2018 13:57:00

Test Lab: Radiant Vision Systems ProSource

Photometry : Type C

Nema Type: 7 X 7



Roadway Summary

Cutoff Classification:	N/A	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	28.0	
Max Cd, 80 to <90 Deg:	299.8	
	Lumens	% Lamp
Downward Street Side:	2,398.5	50%
Downward House Side:	2,398.5	50%
Downward Total:	4,797.1	100%
Upward Street Side:	1.5	0%
Upward House Side:	1.5	0%
Upward Total:	2.9	0.1%
Total Lumens:	4,800.0	100%

Flood Summary

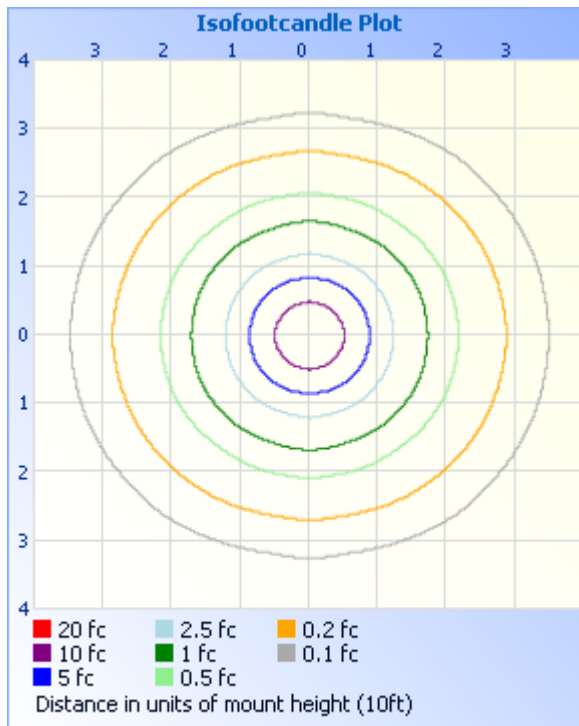
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.9%	4,747.7	171.1	166.2
Beam (50%):	72.4%	3,474.1	120.8	114
Total:	100%	4,798.0		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,217.3	25.4%
0-40	2,000.7	41.7%
0-60	3,587.5	74.8%
60-90	1,208.8	25.2%
70-100	586.1	12.2%
90-120	2.9	0.1%
0-90	4,796.3	99.9%
90-180	2.9	0.1%
0-180	4,799.2	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	147.6	3.1%	90-100	2.9	0.1%
10-20	425.2	8.9%	100-110	0.0	0%
20-30	644.6	13.4%	110-120	0	0%
30-40	783.4	16.3%	120-130	0	0%
40-50	823.4	17.2%	130-140	0	0%
50-60	763.4	15.9%	140-150	0	0%
60-70	625.6	13.0%	150-160	0	0%
70-80	422.2	8.8%	160-170	0	0%
80-90	161.0	3.4%	170-180	0	0%



	Center Beam fc	Beam Width	
1.7R	542 fc	5.2 ft	6.0 ft
3.3R	144 fc	10.2 ft	11.6 ft
5.0R	62.6 fc	15.4 ft	17.6 ft
6.7R	34.9 fc	20.6 ft	23.6 ft
8.3R	22.7 fc	25.6 ft	29.2 ft
10.0R	15.7 fc	30.8 ft	35.2 ft

■ Vert. Spread: 114.0°
■ Horiz. Spread: 120.8°

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	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.08	1.02	.98	.94	1.05	1.00	.96	.82	.96	.92	.89	.92	.89	.86	.88	.86	.84	.82
2	.97	.89	.81	.75	.95	.87	.80	.68	.83	.77	.73	.80	.75	.71	.77	.73	.69	.67
3	.89	.77	.69	.62	.86	.76	.68	.58	.73	.66	.60	.70	.64	.59	.67	.62	.58	.56
4	.81	.68	.59	.52	.78	.67	.58	.49	.64	.57	.51	.62	.56	.50	.60	.54	.50	.47
5	.74	.61	.52	.45	.72	.60	.51	.43	.58	.50	.44	.56	.49	.43	.54	.48	.43	.41
6	.68	.55	.45	.39	.67	.54	.45	.37	.52	.44	.38	.50	.43	.38	.49	.42	.38	.35
7	.63	.50	.41	.34	.62	.49	.40	.33	.47	.39	.34	.46	.39	.34	.44	.38	.33	.31
8	.59	.45	.36	.30	.57	.44	.36	.30	.43	.36	.30	.42	.35	.30	.41	.34	.30	.28
9	.55	.41	.33	.27	.54	.41	.33	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.25
10	.52	.38	.30	.25	.50	.38	.30	.24	.37	.30	.25	.36	.29	.24	.35	.29	.24	.23

Candela Table - Type C

	0	10	20	30	40	50	60	70	80	90
0	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565
3	1564	1563	1563	1564	1563	1564	1564	1565	1566	1566
6	1553	1550	1550	1549	1549	1550	1553	1555	1557	1558
9	1538	1536	1535	1533	1534	1537	1542	1546	1547	1546
12	1522	1523	1521	1519	1521	1526	1534	1537	1534	1531
15	1506	1503	1499	1494	1494	1504	1512	1516	1514	1513
18	1484	1477	1465	1463	1462	1472	1480	1483	1487	1492
21	1453	1442	1432	1432	1436	1445	1452	1455	1459	1463
24	1416	1403	1396	1398	1407	1417	1421	1426	1431	1430
27	1378	1358	1353	1361	1372	1381	1381	1387	1400	1393
30	1336	1308	1305	1314	1328	1337	1335	1340	1362	1353

33	1287	1257	1255	1264	1285	1297	1292	1291	1314	1310
36	1235	1201	1203	1221	1240	1251	1252	1253	1261	1263
39	1181	1140	1158	1169	1181	1192	1198	1212	1210	1214
42	1126	1075	1103	1106	1121	1129	1136	1151	1155	1160
45	1067	1010	1042	1034	1067	1074	1076	1087	1095	1099
48	1005	949	981	973	1015	1015	1022	1031	1036	1038
51	937	893	907	923	950	947	966	975	979	979
54	865	832	838	854	873	882	902	914	917	919
57	791	768	760	783	805	820	841	847	851	854
60	716	700	694	704	735	751	774	786	782	790
63	643	630	644	642	656	682	707	725	720	732
66	569	555	571	586	588	620	638	655	660	674
69	492	477	492	514	525	551	569	580	593	607
72	416	400	420	444	470	480	504	514	523	533
75	346	330	350	374	404	414	430	446	446	453
78	275	264	283	312	331	343	358	369	366	370
81	210	200	232	258	269	282	291	300	292	296
84	136	135	152	181	174	193	202	200	212	211
87	73	62	74	79	91	97	94	90	100	104
90	28	13	16	12	13	14	14	14	17	18
93	0	3	0	0	0	0	0	0	0	0
96	0	1	0	0	1	1	0	0	0	0
99	0	0	0	1	1	1	1	1	0	0
102	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0
108	0	0	0	0	0	0	0	0	0	0
111	0	0	0	0	0	0	0	0	0	0
114	0	0	0	0	0	0	0	0	0	0
117	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0
123	0	0	0	0	0	0	0	0	0	0
126	0	0	0	0	0	0	0	0	0	0
129	0	0	0	0	0	0	0	0	0	0
132	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0
138	0	0	0	0	0	0	0	0	0	0
141	0	0	0	0	0	0	0	0	0	0
144	0	0	0	0	0	0	0	0	0	0
147	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0
153	0	0	0	0	0	0	0	0	0	0
156	0	0	0	0	0	0	0	0	0	0
159	0	0	0	0	0	0	0	0	0	0
162	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0
168	0	0	0	0	0	0	0	0	0	0
171	0	0	0	0	0	0	0	0	0	0
174	0	0	0	0	0	0	0	0	0	0
177	0	0	0	0	0	0	0	0	0	0

180	0	0	0	0	0	0	0	0	0	0	0
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Luminaire Report Summary

IESNA:LM-63-2002
[TEST] SCB24LY57WDMV40K
[TESTDATE] 07-Sep-2018 13:57:00
[TESTLAB] Radiant Vision Systems ProSource
[ISSUEDATE] 9/10/2018 6:11:51 AM
[MANUFAC] SAYLITE-TEXAS FLUORESCENTS REINVENTED
[LAMP] LED Module
[_TOTALLUMINAIRELUMENS] 4799.2
[_DRIVER TYPE] (1) PHILIPS ADVANCED 54W
[BOARD/LAMP TYPE]
[_COLOR TEMP] 3,964 CCT
[_LUMEN/WATT] 83 LPW
[_CRI] 83.4
[_NUMBEROFRAYS]10000000
[OTHER] Absolute Photometry measurement

FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 61, HORIZONTAL ANGLES: 10
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.