



10163 US HWY 31 North, Charlevoix, MI 49720 231-547-6584

Test Report Number:	05319
Date of Test:	6/15/2015
Manufacturer:	ALP-LEXALITE
Test Item:	PLATFORM II WITH PLATFORM II LENS
Lamp:	NORLUX LED BOARD WITH 100 LEDS, 4000K
Driver:	THOMAS RESEARCH PRODUCTS PLED96W-034-C2800-D
Operating Orientation:	PENDENT
Stabilization Time:	1.55 HOURS
Total Operating Time:	1.75 HOURS
Ambient Temperature:	23.6C (falls outside thermal parameters of the IESNA LM79-08 test method)
Power Factor:	1.00
Power:	96.40 WATTS
Voltage:	120.00 VOLTS
Current:	0.81 AMPS
Frequency:	60.00
Current THD:	5.57%
Note:	DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120VAC, 60Hz) TO THE LED DRIVER
Reference Standard:	35 WATT INCANDESCENT
Luminous Flux:	8880.6 LUMENS
Luminous Efficacy:	92.12 LPW
Test Distance:	22.25 FEET
Test Equipment:	GONIOPHOTOMETER
Technician:	1860
Spacing Criterion (0-180)	2.32
Spacing Criterion (90-270)	2.32
Spacing Criterion (diagonal)	2.29
Luminous Width (mm):	324,1
Luminous Length (mm):	0
Luminous Height/Depth (mm):	137,9
Sample Length (mm):	324,1
Sample Width (mm):	0
Sample Height (mm):	229,4

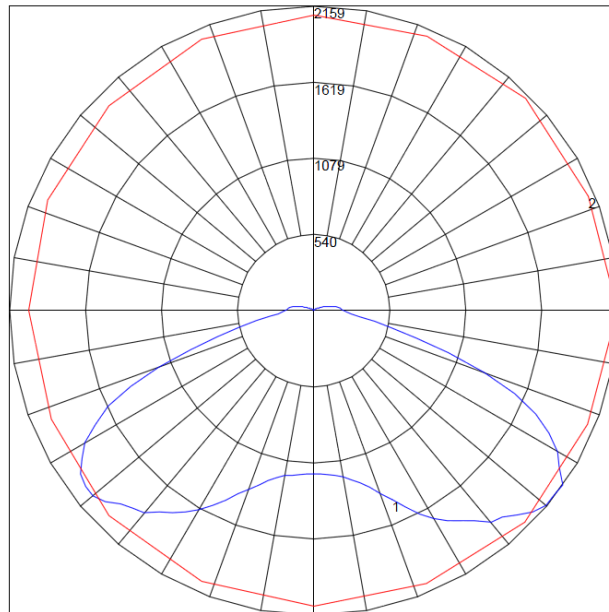


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POLAR GRAPH



Maximum Candela = 2158.8 Located At Horizontal Angle = 0, Vertical Angle = 55
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (55) (Through Max. Cd.)

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Zonal Lumen Summary

	Summary Zonal Lumens	Zonal Lumens - % Lamp	Zonal Lumens - % Fixture
0-30	1178.74	N/A	13.30
0-40	2304.41	N/A	25.90
0-60	5709.42	N/A	64.30
0-90	8469.38	N/A	95.40
90-120	372.69	N/A	4.20
90-130	395.36	N/A	4.50
90-150	407.58	N/A	4.60
90-180	410.83	N/A	4.60
0-180	8880.21	N/A	100.00

Zonal Lumen Summary

Zone	Lumens
0-10	112.31
10-20	361.95
20-30	704.49
30-40	1125.66
40-50	1554.94
50-60	1850.07
60-70	1633.65
70-80	818.92
80-90	307.41

Zone	Lumens
90-100	202.00
100-110	121.60
110-120	49.09
120-130	22.67
130-140	9.20
140-150	3.01
150-160	1.81
160-170	1.08
170-180	0.36



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Coefficient of Utilization

RCC%	80	80	80	80	70	70	70	70	50	50	50	50	30	30	30	30	10	10	10	10	0	0	0	0
RW%	70	50	30	0	70	50	30	0	70	50	30	0	70	50	30	0	70	50	30	0	70	50	30	0
RFC%	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
RCR = 0	1.18	1.18	1.18	1.18	1.15	1.15	1.15	1.15	1.09	1.09	1.09	1.09	1.03	1.03	1.03	1.03	0.98	0.98	0.98	0.98	0.95	0.95	0.95	0.95
RCR = 1	1.05	1.00	0.95	0.88	1.02	0.97	0.92	0.86	0.96	0.92	0.88	0.83	0.90	0.87	0.84	0.80	0.85	0.83	0.80	0.77	0.83	0.81	0.78	0.75
RCR = 2	0.94	0.84	0.76	0.67	0.91	0.82	0.75	0.66	0.85	0.78	0.71	0.64	0.79	0.74	0.68	0.62	0.75	0.70	0.65	0.60	0.72	0.68	0.64	0.59
RCR = 3	0.84	0.72	0.63	0.52	0.81	0.70	0.61	0.51	0.75	0.66	0.59	0.50	0.70	0.63	0.56	0.49	0.66	0.59	0.54	0.47	0.64	0.58	0.53	0.47
RCR = 4	0.76	0.62	0.52	0.41	0.73	0.60	0.51	0.41	0.68	0.57	0.49	0.40	0.63	0.54	0.47	0.39	0.59	0.51	0.45	0.38	0.57	0.50	0.45	0.38
RCR = 5	0.69	0.54	0.44	0.34	0.66	0.53	0.43	0.33	0.61	0.50	0.42	0.33	0.57	0.47	0.40	0.32	0.53	0.45	0.39	0.31	0.51	0.44	0.38	0.31
RCR = 6	0.63	0.48	0.38	0.28	0.60	0.47	0.37	0.28	0.56	0.44	0.36	0.27	0.52	0.42	0.35	0.27	0.49	0.40	0.33	0.26	0.47	0.39	0.33	0.26
RCR = 7	0.58	0.43	0.33	0.23	0.55	0.42	0.32	0.23	0.51	0.39	0.31	0.23	0.48	0.38	0.30	0.22	0.45	0.36	0.29	0.22	0.43	0.35	0.29	0.22
RCR = 8	0.53	0.38	0.29	0.20	0.51	0.37	0.28	0.20	0.48	0.36	0.28	0.20	0.44	0.34	0.27	0.19	0.41	0.32	0.26	0.19	0.40	0.32	0.25	0.19
RCR = 9	0.49	0.35	0.26	0.17	0.48	0.34	0.25	0.17	0.44	0.32	0.25	0.17	0.41	0.31	0.24	0.17	0.39	0.29	0.23	0.16	0.37	0.29	0.23	0.16
RCR = 10	0.46	0.32	0.23	0.15	0.44	0.31	0.23	0.15	0.41	0.30	0.22	0.15	0.39	0.28	0.21	0.15	0.36	0.27	0.21	0.14	0.35	0.26	0.20	0.14

Candela Table (cd)

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	360
0	1159	1159	1159	1159	1159	1159	1159	1159	1159	1159	1159	1159	1159	1159	1159	1159	1159
2.5	1162	1160	1162	1164	1162	1162	1162	1164	1161	1163	1165	1161	1164	1162	1161	1160	1162
5	1166	1159	1165	1166	1163	1165	1166	1165	1166	1167	1167	1169	1169	1168	1171	1171	1166
7.5	1179	1176	1175	1171	1175	1177	1173	1174	1177	1173	1181	1179	1183	1189	1185	1188	1179
10	1197	1195	1190	1194	1191	1188	1184	1194	1190	1192	1195	1199	1202	1203	1208	1209	1197
12.5	1230	1227	1221	1217	1218	1219	1215	1209	1212	1217	1217	1221	1234	1241	1237	1239	1230
15	1265	1266	1258	1259	1251	1255	1247	1249	1247	1250	1253	1263	1273	1276	1281	1278	1265
17.5	1316	1311	1310	1306	1301	1293	1291	1287	1294	1295	1303	1308	1318	1326	1335	1334	1316
20	1384	1376	1369	1360	1356	1349	1345	1342	1347	1350	1357	1367	1378	1390	1398	1398	1384
22.5	1449	1454	1436	1427	1420	1421	1408	1405	1404	1414	1418	1434	1443	1469	1470	1472	1449
25	1538	1541	1517	1503	1500	1499	1483	1474	1483	1501	1494	1505	1527	1551	1552	1554	1538
27.5	1625	1614	1601	1572	1572	1567	1557	1542	1558	1568	1573	1576	1610	1616	1628	1624	1625
30	1703	1690	1681	1667	1653	1638	1637	1626	1634	1642	1657	1665	1679	1688	1707	1719	1703
32.5	1769	1757	1741	1733	1719	1697	1700	1705	1693	1699	1718	1743	1734	1751	1770	1794	1769
35	1821	1817	1792	1782	1768	1753	1752	1775	1748	1757	1770	1796	1794	1811	1824	1836	1821
37.5	1876	1867	1850	1834	1828	1808	1804	1808	1801	1811	1825	1845	1856	1876	1893	1897	1876



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	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	360
40	1961	1934	1929	1884	1904	1871	1867	1860	1873	1873	1898	1895	1937	1932	1957	1937	1961
42.5	1983	1992	1964	1933	1939	1924	1925	1890	1902	1924	1932	1947	1958	1986	1980	2004	1983
45	2049	2038	2005	2006	1988	1973	1959	1964	1941	1969	1980	2006	2023	2050	2059	2061	2049
47.5	2112	2105	2075	2042	2057	2041	2012	1997	2007	2029	2051	2063	2086	2118	2110	2111	2112
50	2152	2119	2120	2094	2099	2087	2056	2044	2044	2047	2077	2108	2113	2132	2146	2153	2152
52.5	2149	2146	2124	2138	2093	2082	2067	2078	2045	2058	2070	2120	2112	2152	2149	2146	2149
55	2159	2110	2129	2108	2093	2082	2055	2047	2025	2015	2058	2077	2098	2093	2123	2105	2159
57.5	2065	2087	2068	2068	2033	2030	2009	2013	1952	1973	1983	2025	2029	2085	2055	2072	2065
60	2003	2017	2005	1989	1985	1961	1924	1920	1874	1894	1919	1926	1946	1956	1974	1948	2003
62.5	1885	1876	1872	1879	1871	1842	1809	1816	1753	1762	1774	1815	1817	1817	1836	1834	1885
65	1741	1759	1740	1736	1731	1707	1684	1661	1608	1623	1633	1650	1653	1691	1701	1680	1741
67.5	1542	1572	1546	1545	1543	1542	1501	1481	1409	1425	1429	1443	1441	1476	1463	1458	1542
70	1287	1297	1306	1312	1320	1298	1272	1260	1174	1159	1183	1190	1188	1191	1206	1212	1287
72.5	1000	998	1018	1038	1027	1010	996	1001	918	898	917	917	917	915	930	937	1000
75	755	769	774	789	784	776	771	773	706	700	704	703	708	710	713	713	755
77.5	566	585	599	602	603	593	595	593	542	537	545	542	539	546	555	537	566
80	436	436	454	451	461	449	452	451	415	407	417	411	407	413	425	404	436
82.5	331	328	334	339	344	337	338	339	310	308	313	309	311	312	316	304	331
85	265	262	265	268	271	268	267	267	252	251	253	252	252	255	255	249	265
87.5	229	229	229	232	233	232	229	230	220	222	222	223	223	224	222	220	229
90	210	209	211	213	213	212	209	210	203	205	207	207	208	207	206	204	210
92.5	199	197	200	201	201	199	198	197	192	194	196	198	198	197	196	193	199
95	188	186	190	191	190	187	186	186	180	183	185	187	188	186	185	183	188
97.5	175	174	178	179	178	175	174	174	169	171	172	175	175	173	172	170	175
100	159	158	162	164	163	160	158	158	152	154	156	158	158	156	155	153	159
102.5	139	139	142	143	144	141	139	139	132	133	135	137	137	135	134	132	139
105	115	115	118	120	121	119	117	116	109	110	111	113	113	111	110	108	115
107.5	93	93	95	96	98	96	94	93	88	88	90	90	90	89	88	87	93
110	74	73	75	76	77	77	75	74	69	70	71	71	71	70	70	69	74
112.5	59	59	59	60	61	61	60	59	55	56	56	56	56	56	56	55	59
115	48	48	48	49	49	49	48	48	45	45	45	45	46	46	46	45	48
117.5	40	40	40	40	41	41	40	40	38	38	38	38	38	39	39	38	40
120	35	35	35	34	34	34	34	34	32	32	32	32	32	33	33	33	35
122.5	30	30	30	29	29	29	29	29	27	27	27	27	27	28	28	28	30
125	27	27	26	26	25	26	26	25	23	24	23	23	23	24	24	25	27

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	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	360
127.5	23	23	23	22	22	22	22	22	20	20	20	20	20	21	21	22	23
130	20	20	19	19	19	19	19	19	17	17	17	16	17	17	18	18	20
132.5	16	16	16	15	15	15	15	15	13	13	13	13	13	14	14	14	16
135	13	13	13	12	12	12	12	12	10	10	10	10	10	10	11	11	13
137.5	10	10	10	9	9	10	10	10	8	8	8	7	7	8	8	8	10
140	8	8	8	7	7	8	8	8	6	6	6	6	6	6	6	6	8
142.5	6	6	6	6	6	6	6	6	5	5	5	4	4	5	5	5	6
145	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	5
147.5	4	4	4	4	4	5	5	5	4	4	4	4	4	4	4	4	4
150	4	4	4	4	4	4	4	5	4	4	4	4	4	4	4	4	4
152.5	4	4	4	4	4	5	5	4	4	4	4	4	4	4	4	4	4
155	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
157.5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
160	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
162.5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
165	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
167.5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
170	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
172.5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
175	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
177.5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
180	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4