

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	497.6 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	114.6V x 105.1H
	At 50% of Imax	94.2V x 97.4H
	At 90% of Imax	67.4V x 70.3H

Beam Flux	Total	994.9 lumens per klm.
	To 10% of Imax	972.3 lumens per klm.
	To 50% of Imax	896.3 lumens per klm.
	To 90% of Imax	528.7 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.5 %

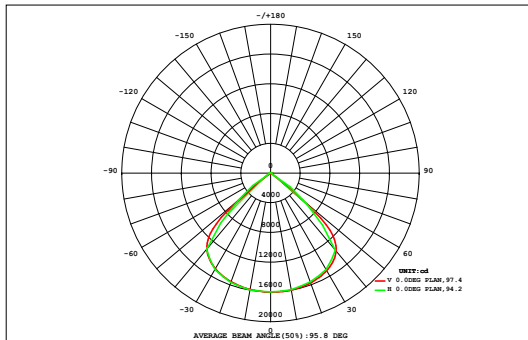
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-10-21

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.290m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.5V I:0.9449A P:203.6W PF:0.9775 Lamp Flux:32169.5x1 lm		
NAME: FL-5050-200	TYPE:LED	WEIGHT:7.5
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:157.97lm/W	
MODEL	PL-5050-200-9090	Imax(cd)	16008
NOMINAL POWER(W)	205	AVAILABILITY(%)	98.0
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	31524
NOMINAL FLUX(lm)	32169.5	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	32169
TEST VOLTAGE(V)	220	θ @50%(H,V)	97,94DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.08	0.27	0.52	0.82	1.16	1.50	1.81	2.05	2.21	2.23	2.13	1.93	1.64	1.29	0.96	0.62	0.34	0.10	21.7	0.00
70	0.07	0.27	0.60	1.05	1.53	2.09	2.69	3.15	3.39	3.41	3.21	2.81	2.28	1.75	1.27	0.78	0.38	0.10	30.9	0.00
60	0.08	0.33	0.80	1.44	2.24	3.31	7.64	38.7	68.8	68.6	38.4	7.91	3.60	2.58	1.78	1.10	0.51	0.13	248	197
50	0.08	0.39	0.99	1.89	3.22	44.0	123	213	284	284	214	125	42.2	3.80	2.38	1.42	0.66	0.17	1345	1304
40	0.09	0.45	1.20	2.40	27.7	189	366	431	453	455	437	372	189	28.7	3.04	1.74	0.81	0.20	2958	2934
30	0.10	0.51	1.39	3.18	115	325	398	442	464	465	446	406	337	116	4.24	2.02	0.93	0.23	3526	3507
	0.10	0.55	1.54	7.89	204	345	412	455	477	478	459	418	354	208	9.44	2.22	1.02	0.25	3834	3817
	0.11	0.59	1.66	18.3	233	353	419	462	483	484	465	425	362	243	18.4	2.34	1.07	0.26	3973	3958
	0.13	0.66	1.82	19.8	233	354	420	462	483	485	466	426	362	240	19.0	2.44	1.10	0.27	3975	3959
	0.16	0.75	2.01	10.0	199	343	413	456	478	479	460	419	352	206	11.4	2.58	1.15	0.28	3834	3815
-30	0.19	0.86	2.24	4.24	124	312	394	441	464	465	445	401	320	123	5.01	2.71	1.19	0.29	3506	3482
-40	0.22	0.96	2.44	4.80	32.4	207	343	405	432	433	409	349	213	33.8	5.06	2.80	1.23	0.30	2873	2840
-50	0.25	1.05	2.54	4.65	5.05	48.9	178	257	305	307	260	181	46.6	5.23	4.92	2.78	1.23	0.31	1611	1561
-60	0.26	1.07	2.47	4.27	6.27	5.01	6.01	27.9	71.4	71.9	28.1	5.94	5.15	6.47	4.47	2.64	1.21	0.31	251	151
-70	0.27	1.05	2.27	3.80	5.37	6.93	7.70	5.33	5.08	5.08	5.33	7.77	7.04	5.50	3.91	2.39	1.15	0.31	76.3	0.00
-80	0.29	1.00	1.98	3.20	4.41	5.53	6.48	7.18	7.56	7.59	7.26	6.59	5.63	4.48	3.28	2.09	1.09	0.31	76.0	0.00
-90	0.15	0.49	0.89	1.34	1.80	2.23	2.57	2.82	2.98	3.00	2.87	2.62	2.26	1.83	1.37	0.93	0.51	0.16	30.8	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	2.63	11.3	27.4	93.0	1199	2547	3502	4110	4486	4498	4147	3558	2605	1231	99.9	33.6	15.6	3.99	32169	---
Φ a	0.00	0.00	0.00	38.2	1149	2505	3457	4069	4452	4465	4105	3512	2560	1178	35.6	0.00	0.00	0.00	---	31524

one-half-peak spread: U:46.9,D:47.5 , L:52.7,R:44.7

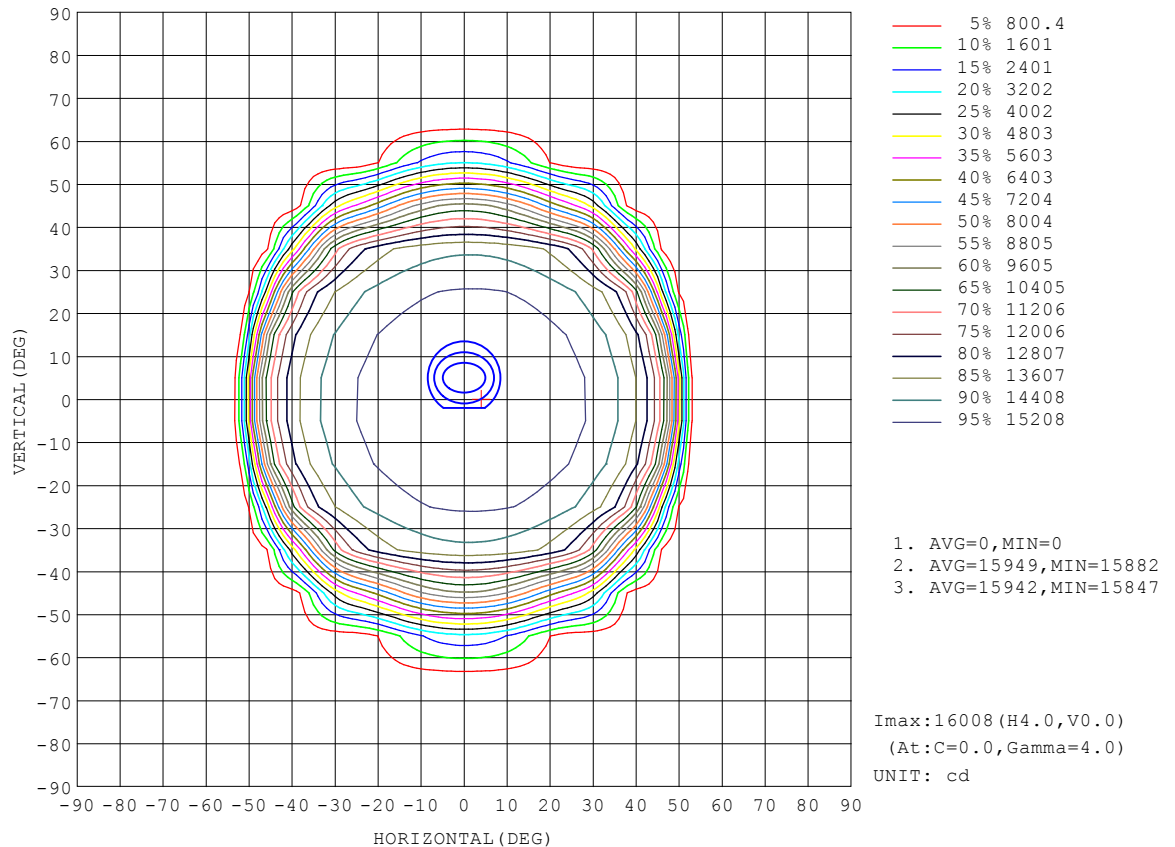
NEMA Beam Type: Type 6

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-10-21

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.290m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.5V I:0.9449A P:203.6W PF:0.9775 Lamp Flux:32169.5x1 lm		
NAME: FL-5050-200	TYPE:LED	WEIGHT:7.5
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

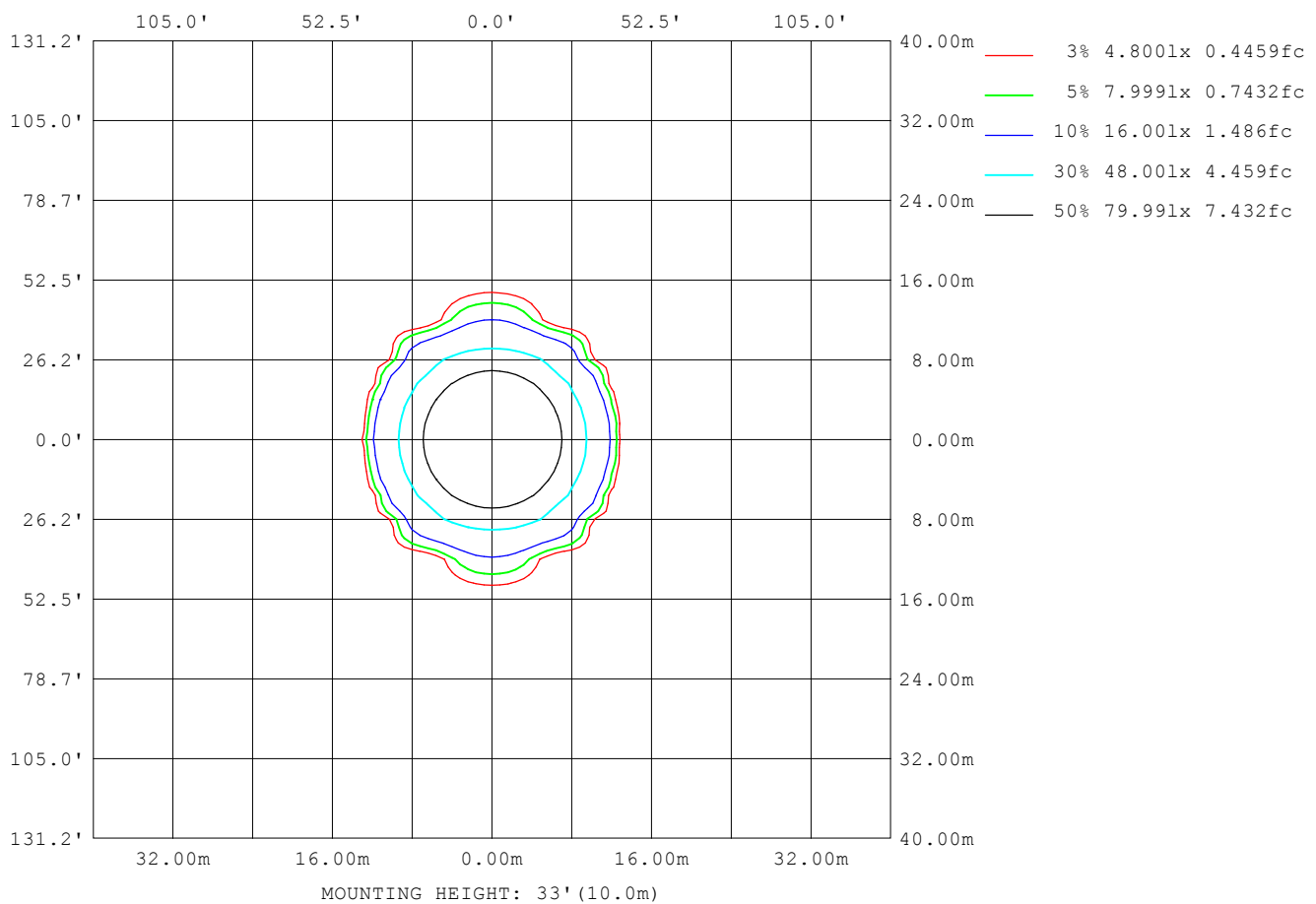


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-10-21

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V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.290m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

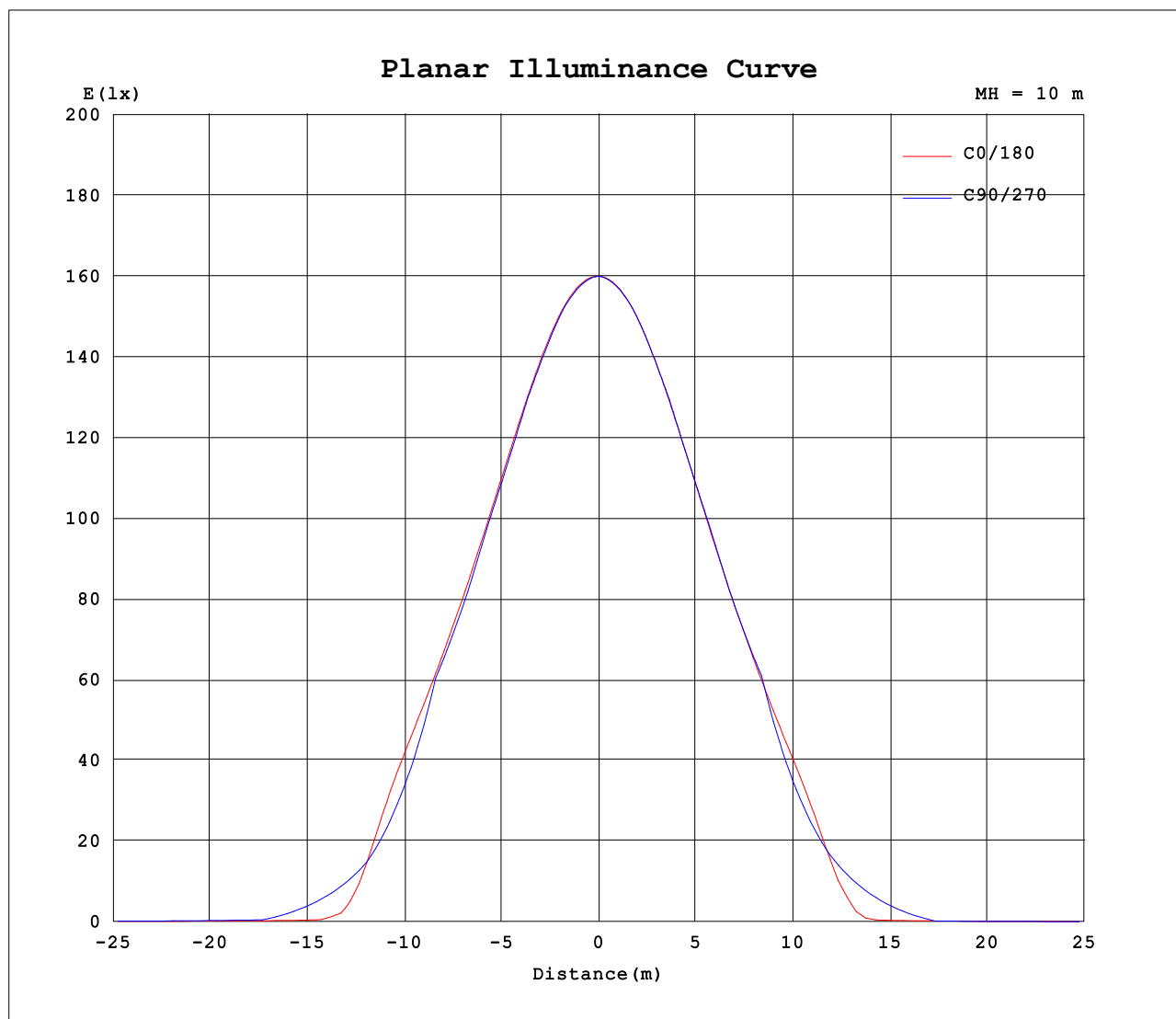
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NAME: FL-5050-200	TYPE:LED	WEIGHT:7.5
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-10-21

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.290m [K=1.0000]
Remarks:

Planar Illuminance Curve

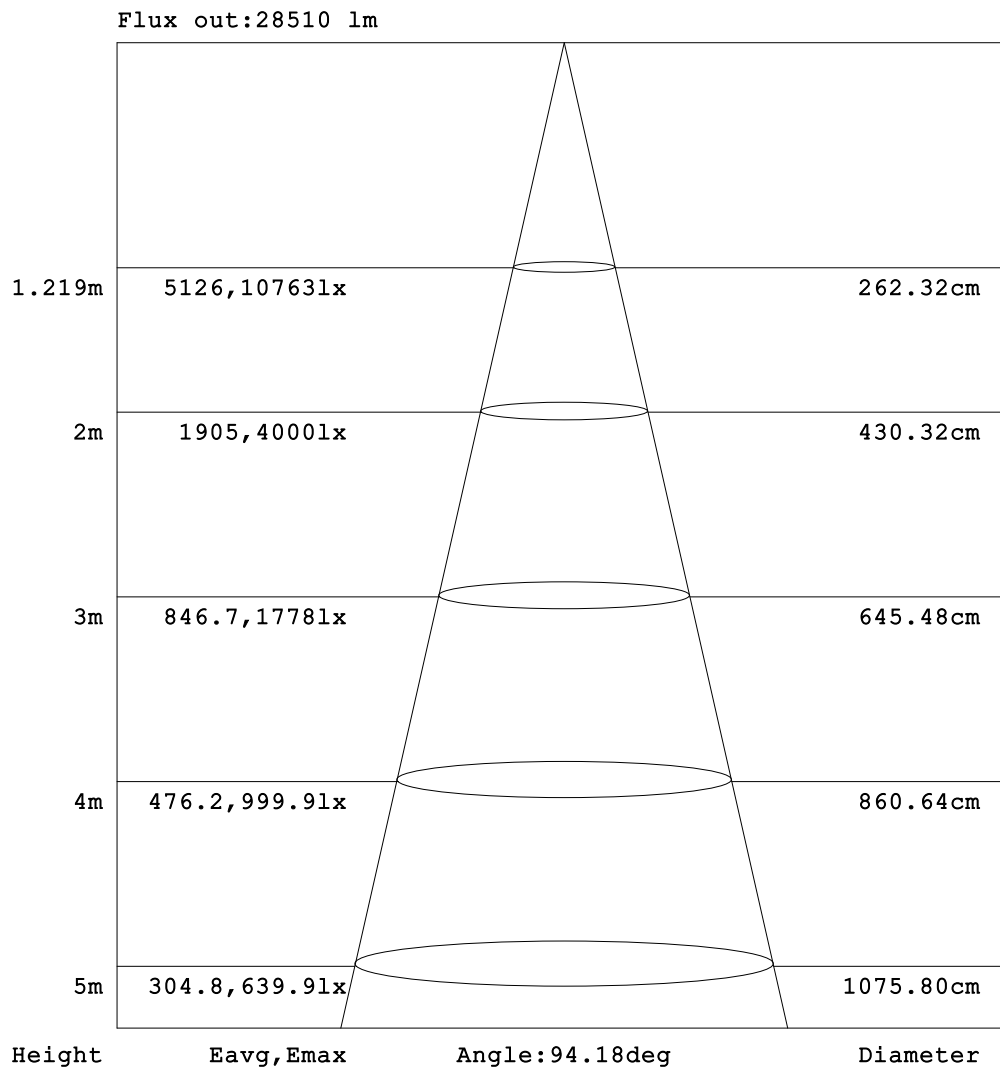


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-10-21

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.290m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.5V I:0.9449A P:203.6W PF:0.9775 Lamp Flux:32169.5x1 lm		
NAME: FL-5050-200	TYPE:LED	WEIGHT:7.5
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-10-21

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.290m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.5V I:0.9449A P:203.6W PF:0.9775 Lamp Flux:32169.5x1 lm																		
NAME: FL-5050-200									TYPE:LED					WEIGHT:7.5				
SPEC.:									DIM.:					SERIAL No.:1				
MFR.: EVERFINE									SUR.:					Shielding Angle:				

Table--1

UNIT: ×10cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	10.1	10.9	11.6	12.4	13.3	14.3	15.3	16.3	17.2	18.0	18.7	19.3	19.9	20.3	20.7	21.0	21.3	21.5	21.6
-75	9.60	10.5	11.5	12.6	13.9	15.3	16.8	18.2	19.4	20.4	21.3	22.2	23.0	23.6	24.1	24.6	24.9	25.1	25.2
-70	9.12	10.1	11.4	12.8	14.5	16.3	18.4	20.1	21.6	22.9	23.9	25.0	26.0	26.9	27.6	28.2	28.6	28.7	28.8
-65	8.78	9.84	11.3	13.0	15.1	17.4	19.7	21.6	23.4	25.0	26.4	27.9	29.3	30.5	31.5	32.2	32.7	33.0	33.1
-60	8.44	9.54	11.2	13.2	15.7	18.5	21.0	23.1	25.1	27.0	28.9	30.8	32.6	34.1	35.4	36.3	36.9	37.3	37.4
-55	8.26	9.29	11.0	13.1	15.9	18.9	21.7	24.3	26.7	29.2	31.6	34.2	36.7	42.2	81.1	159	234	282	299
-50	8.07	9.04	10.8	13.0	16.2	19.4	22.5	25.5	28.4	31.3	34.3	37.6	40.9	50.2	127	282	432	527	561
-45	7.86	8.68	10.4	12.8	16.0	19.4	22.8	26.3	29.9	33.7	45.4	208	434	563	664	777	872	931	953
-40	7.66	8.31	9.96	12.6	15.8	19.4	23.2	27.2	31.4	36.2	56.4	379	826	1077	1201	1271	1313	1336	1344
-35	7.23	7.72	9.29	11.9	15.0	18.6	22.8	27.4	32.6	115	436	765	1061	1226	1313	1365	1396	1414	1421
-30	6.80	7.13	8.62	11.2	14.2	17.9	22.4	27.6	33.7	194	815	1151	1296	1375	1426	1459	1480	1493	1498
-25	6.29	6.54	7.99	10.6	13.4	17.0	21.6	27.1	83.9	518	1008	1248	1360	1425	1467	1496	1515	1527	1532
-20	5.77	5.95	7.37	9.97	12.7	16.1	20.8	26.7	134	843	1201	1345	1424	1475	1509	1534	1551	1561	1565
-15	5.29	5.45	6.86	9.32	11.9	15.3	19.7	25.9	282	962	1252	1376	1448	1495	1527	1550	1566	1576	1580
-10	4.82	4.96	6.35	8.67	11.2	14.4	18.6	25.1	430	1081	1302	1408	1472	1515	1545	1566	1581	1591	1595
-5	4.40	4.56	5.94	8.16	10.6	13.8	17.8	25.0	507	1112	1317	1417	1479	1521	1550	1571	1585	1594	1597
0	3.99	4.17	5.54	7.65	10.1	13.2	17.0	24.9	583	1144	1332	1427	1486	1527	1555	1575	1589	1597	1600
5	3.68	3.91	5.21	7.30	9.68	12.6	16.2	22.9	511	1114	1316	1416	1477	1519	1548	1569	1583	1591	1595
10	3.38	3.66	4.87	6.94	9.26	12.1	15.5	20.8	438	1084	1301	1405	1468	1510	1540	1562	1577	1586	1590
15	3.28	3.57	4.74	6.74	8.97	11.7	14.8	19.4	288	974	1253	1374	1444	1490	1522	1545	1561	1570	1575
20	3.17	3.48	4.60	6.53	8.68	11.3	14.2	17.9	138	863	1206	1344	1421	1470	1503	1527	1544	1555	1559
25	3.09	3.36	4.43	6.20	8.20	10.6	13.2	16.4	78.5	536	1027	1255	1361	1423	1464	1492	1511	1522	1528
30	3.02	3.24	4.25	5.87	7.73	9.91	12.2	14.9	18.9	209	849	1165	1301	1377	1425	1457	1478	1490	1496
35	2.96	3.13	4.08	5.53	7.26	9.16	11.3	13.6	16.6	113	448	794	1088	1242	1323	1372	1402	1419	1426
40	2.90	3.02	3.91	5.20	6.80	8.41	10.3	12.2	14.3	17.5	46.0	423	875	1107	1222	1287	1326	1348	1356
45	2.85	2.89	3.70	4.76	6.20	7.63	9.19	10.8	12.6	14.9	30.1	219	447	571	683	809	908	969	990
50	2.79	2.75	3.50	4.32	5.59	6.86	8.11	9.45	10.8	12.2	14.2	16.3	18.8	34.4	145	331	489	589	623
55	2.75	2.66	3.27	4.00	5.02	6.14	7.19	8.25	9.30	10.4	11.8	13.4	15.2	23.4	78.9	172	252	302	319
60	2.70	2.56	3.04	3.68	4.44	5.42	6.28	7.05	7.82	8.62	9.52	10.6	11.6	12.4	13.1	13.7	14.1	14.4	14.5
65	2.68	2.52	2.85	3.36	3.94	4.67	5.41	6.02	6.62	7.19	7.83	8.58	9.33	9.98	10.5	11.0	11.3	11.5	11.5
70	2.66	2.49	2.67	3.04	3.43	3.91	4.54	4.99	5.43	5.76	6.13	6.57	7.06	7.55	7.93	8.22	8.42	8.52	8.58
75	2.68	2.53	2.61	2.84	3.11	3.41	3.79	4.11	4.44	4.72	5.01	5.33	5.63	5.90	6.15	6.35	6.50	6.60	6.66
80	2.70	2.57	2.55	2.64	2.78	2.91	3.03	3.23	3.45	3.69	3.89	4.09	4.21	4.26	4.36	4.47	4.58	4.69	4.73
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:DAMIN

Test Date:2017-10-21

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351

Humidity:65.0%

Test Distance:7.290m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.5V I:0.9449A P:203.6W PF:0.9775 Lamp Flux:32169.5x1 lm																		
NAME: FL-5050-200									TYPE:LED					WEIGHT:7.5				
SPEC.:									DIM.:					SERIAL No.:1				
MFR.: EVERFINE									SUR.:					Shielding Angle:				

Table--2

UNIT: ×10cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-80	21.6	21.5	21.3	21.0	20.6	20.2	19.6	19.0	18.3	17.5	16.6	15.8	15.0	14.1	13.2	12.5	11.5	10.7	
-75	25.2	25.1	24.8	24.5	23.9	23.3	22.6	21.7	20.8	19.8	18.7	17.4	16.1	14.9	13.6	12.5	11.4	10.4	
-70	28.8	28.7	28.3	27.9	27.2	26.5	25.5	24.4	23.3	22.0	20.7	19.1	17.3	15.7	14.1	12.6	11.3	10.1	
-65	33.0	32.7	32.2	31.5	30.6	29.6	28.4	27.0	25.5	24.0	22.3	20.5	18.4	16.3	14.4	12.6	11.1	9.94	
-60	37.2	36.8	36.1	35.2	34.0	32.7	31.2	29.6	27.8	26.0	24.0	21.9	19.5	16.9	14.7	12.7	11.0	9.78	
-55	284	237	161	81.4	41.2	36.7	34.5	32.4	30.1	27.8	25.5	22.9	20.3	17.5	15.0	12.8	11.0	9.79	
-50	530	436	286	128	48.3	40.6	37.8	35.1	32.4	29.7	26.9	24.0	21.1	18.1	15.2	13.0	11.0	9.80	
-45	935	879	785	673	571	437	198	43.1	34.8	31.3	28.0	24.6	21.3	18.2	15.3	12.8	10.9	9.87	
-40	1340	1322	1284	1218	1094	833	359	51.0	37.1	32.8	29.0	25.1	21.5	18.3	15.3	12.7	10.8	9.94	
-35	1419	1406	1379	1332	1248	1081	775	453	125	34.2	29.4	25.2	21.4	18.1	15.2	12.6	10.7	9.88	
-30	1497	1489	1473	1446	1402	1329	1191	855	213	35.6	29.9	25.2	21.3	18.0	15.2	12.5	10.5	9.82	
-25	1531	1524	1510	1486	1449	1390	1284	1045	532	75.5	29.5	24.6	20.8	17.6	14.9	12.2	10.3	9.66	
-20	1565	1559	1546	1526	1496	1451	1377	1236	852	115	29.1	24.0	20.2	17.1	14.6	12.0	10.1	9.50	
-15	1580	1575	1563	1544	1517	1476	1411	1292	992	282	28.7	23.4	19.8	16.8	14.4	11.8	9.94	9.26	
-10	1595	1590	1580	1562	1537	1501	1445	1348	1133	449	28.4	22.8	19.3	16.5	14.2	11.6	9.75	9.02	
-5	1598	1594	1584	1567	1542	1507	1452	1359	1157	506	27.9	22.1	18.8	16.0	13.8	11.5	9.58	8.82	
0	1601	1597	1588	1571	1547	1512	1460	1370	1182	563	27.5	21.4	18.2	15.6	13.5	11.3	9.41	8.61	
5	1596	1592	1582	1565	1541	1505	1451	1360	1159	510	26.3	20.9	17.9	15.4	13.3	11.1	9.32	8.45	
10	1591	1586	1576	1559	1534	1498	1443	1349	1137	457	25.0	20.4	17.6	15.2	13.2	10.9	9.23	8.29	
15	1575	1570	1558	1540	1513	1473	1411	1296	1002	290	23.5	19.6	17.0	14.7	12.7	10.6	8.91	7.96	
20	1559	1553	1541	1521	1492	1449	1379	1243	868	122	22.0	18.9	16.3	14.2	12.3	10.2	8.59	7.64	
25	1527	1520	1507	1484	1448	1393	1293	1062	547	72.3	20.5	17.8	15.5	13.5	11.6	9.66	8.10	7.23	
30	1495	1488	1472	1446	1405	1338	1208	881	227	22.6	19.0	16.7	14.6	12.8	11.0	9.11	7.61	6.82	
35	1424	1412	1388	1344	1265	1105	799	463	124	20.0	17.2	15.2	13.4	11.8	10.1	8.42	7.04	6.41	
40	1353	1337	1303	1242	1125	871	389	44.8	20.1	17.3	15.4	13.7	12.1	10.8	9.18	7.73	6.47	6.00	
45	970	911	816	693	582	446	204	30.4	17.2	15.2	13.6	12.2	11.0	9.69	8.22	7.02	5.90	5.57	
50	588	486	328	144	38.1	20.3	17.9	16.0	14.4	13.0	11.8	10.7	9.77	8.60	7.26	6.32	5.33	5.15	
55	301	250	171	78.7	25.5	16.3	14.7	13.3	12.1	11.1	10.2	9.39	8.54	7.43	6.42	5.61	4.78	4.73	
60	14.5	14.3	14.0	13.5	12.9	12.2	11.4	10.6	9.85	9.17	8.60	8.05	7.31	6.26	5.59	4.90	4.22	4.31	
65	11.5	11.4	11.2	10.8	10.4	9.89	9.31	8.73	8.21	7.75	7.31	6.82	6.14	5.41	4.86	4.30	3.83	3.96	
70	8.59	8.54	8.40	8.19	7.91	7.58	7.20	6.84	6.56	6.32	6.02	5.58	4.97	4.56	4.13	3.70	3.44	3.61	
75	6.66	6.62	6.54	6.42	6.26	6.07	5.81	5.54	5.31	5.10	4.86	4.54	4.17	3.89	3.60	3.32	3.20	3.35	
80	4.73	4.71	4.69	4.65	4.62	4.57	4.42	4.23	4.05	3.88	3.70	3.51	3.38	3.21	3.07	2.94	2.96	3.08	
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:DAMIN

Test Date:2017-10-21

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351

Humidity:65.0%

Test Distance:7.290m [K=1.0000]

Remarks: