

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

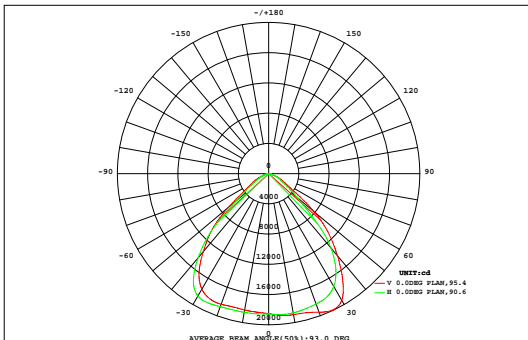
Maximum Intensity (Luminaire orientation as tested.)		512.8 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I <sub>max</sub> At 50% of I <sub>max</sub> At 90% of I <sub>max</sub>	122.1V x 128.3H 90.6V x 95.3H 68.2V x 69.0H
Beam Flux	Total To 10% of I <sub>max</sub> To 50% of I <sub>max</sub> To 90% of I <sub>max</sub>	1000.1 lumens per klm. 950.0 lumens per klm. 773.7 lumens per klm. 401.9 lumens per klm.
	Upward LOR Downward LOR	0.0 % 100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:FKY  
Test Date:2019-08-05

V(B) Range:-90 - 90DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:65.0%  
Test Distance:10.230m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.9V I:1.113A P:240.8W PF:0.9838 Freq:49.99Hz Lamp Flux:39098.6x1 lm		
NAME: 240WLED High Bay Light	TYPE:LED	WEIGHT:
SPEC.:240WLED High Bay Light	DIM.:	SERIAL No.:1
MFR.:	SUR.:240*375	Shielding Angle:



DATA OF LAMP		Eff:162.37lm/W	
MODEL	1W8C1B SA2235	Imax(cd)	20048
NOMINAL POWER(W)	240	AVAILABILITY(%)	95.0
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	37150
NOMINAL FLUX(lm)	39098.6	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	39099
TEST VOLTAGE(V)	220	θ @50%(H,V)	95,91DEG

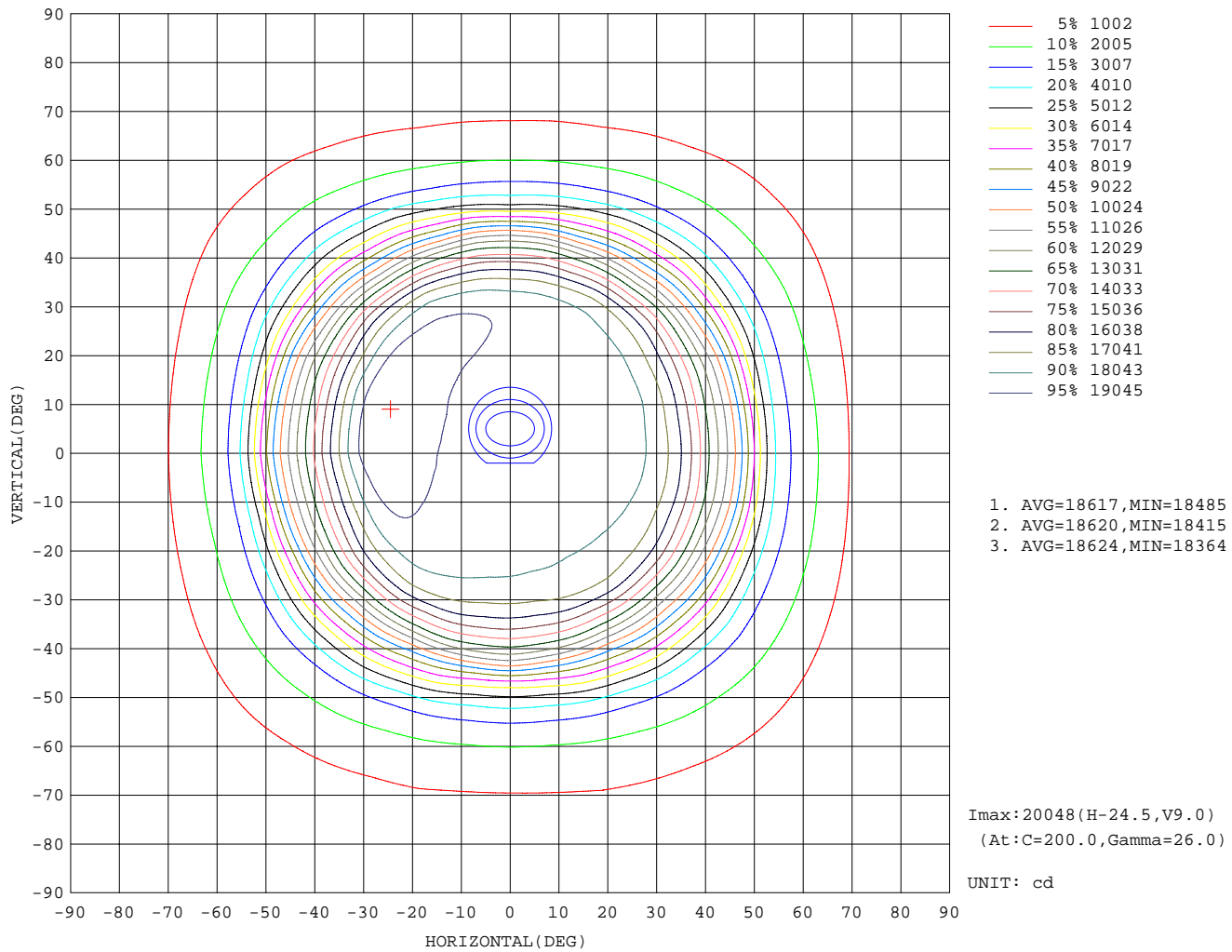
VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.10	0.36	0.78	1.21	1.47	1.76	2.49	3.60	4.33	4.29	3.60	2.56	1.81	1.47	1.22	0.82	0.37	0.09	32.3	0.00
90	0.10	0.36	0.78	1.21	1.47	1.76	2.49	3.60	4.33	4.29	3.60	2.56	1.81	1.47	1.22	0.82	0.37	0.09	32.3	0.00
80	0.12	0.80	2.48	4.61	7.46	10.3	12.6	14.2	15.0	15.1	14.4	12.9	10.4	7.57	4.69	2.48	0.81	0.12	136	0.00
70	0.15	1.37	4.28	9.07	15.9	23.2	30.6	36.5	40.2	40.4	36.8	30.7	23.2	16.1	9.17	4.26	1.39	0.14	323	0.00
60	0.19	2.02	6.69	15.6	30.0	47.8	69.2	89.4	102	102	89.8	68.7	46.7	28.8	15.4	6.63	2.00	0.19	723	528
50	0.26	2.69	9.89	25.9	53.2	105	179	256	309	306	250	173	100	50.8	24.5	9.62	2.62	0.25	1857	1765
40	0.33	3.35	13.9	38.2	96.6	213	352	469	517	512	455	337	202	89.2	36.5	13.2	3.25	0.32	3352	3293
30	0.39	3.97	17.8	52.5	161	324	483	563	576	566	537	458	308	147	49.2	16.9	3.84	0.36	4268	4223
	0.43	4.47	21.0	67.7	214	392	536	570	570	561	541	495	370	199	61.8	20.0	4.29	0.39	4625	4586
	0.44	4.77	22.8	79.1	239	421	547	564	569	560	538	503	393	224	71.2	22.0	4.53	0.40	4762	4726
	0.44	4.74	22.4	76.1	232	409	535	559	571	560	537	499	392	224	71.5	22.2	4.54	0.40	4722	4686
	0.42	4.40	20.0	61.0	195	368	506	551	563	557	534	483	360	193	62.5	20.6	4.31	0.39	4484	4445
-30	0.38	3.87	16.7	46.9	139	295	443	524	545	542	513	432	290	139	49.5	17.5	3.87	0.36	4000	3954
-40	0.33	3.24	12.9	35.2	83.5	184	309	414	461	458	406	304	185	86.1	37.6	13.5	3.28	0.31	2996	2936
-50	0.26	2.59	9.25	24.4	48.6	90.6	153	215	255	255	215	154	92.8	51.3	25.9	9.70	2.62	0.24	1604	1512
-60	0.19	1.95	6.38	15.3	28.9	46.3	65.0	84.0	95.3	95.6	84.7	66.6	48.0	30.3	16.1	6.62	1.97	0.18	693	496
-70	0.14	1.32	4.11	9.06	16.3	24.5	32.6	39.7	43.7	43.9	40.2	33.5	25.4	17.1	9.45	4.25	1.32	0.14	347	0.00
-80	0.11	0.72	2.33	4.35	7.17	10.3	13.1	15.1	16.1	16.4	15.7	13.9	11.0	7.70	4.65	2.39	0.73	0.11	142	0.00
-90	0.09	0.31	0.64	0.98	1.19	1.55	2.43	3.61	4.33	4.36	3.63	2.45	1.63	1.30	1.06	0.69	0.33	0.09	30.7	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	4.78	47.0	194	567	1569	2966	4271	4970	5259	5197	4814	4069	2860	1514	552	193	46.0	4.48	39099	---
Φ a	0.00	0.00	30.0	427	1442	2843	4148	4846	5136	5073	4690	3946	2736	1386	415	32.3	0.00	0.00	---	37150

one-half-peak spread: U:37.4,D:20.4 , L:23.3,R:25.3 NEMA Beam Type: Type 6

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:FKY  
Test Date:2019-08-05

V(B) Range:-90 - 90DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:65.0%  
Test Distance:10.230m [K=1.0000]  
Remarks:

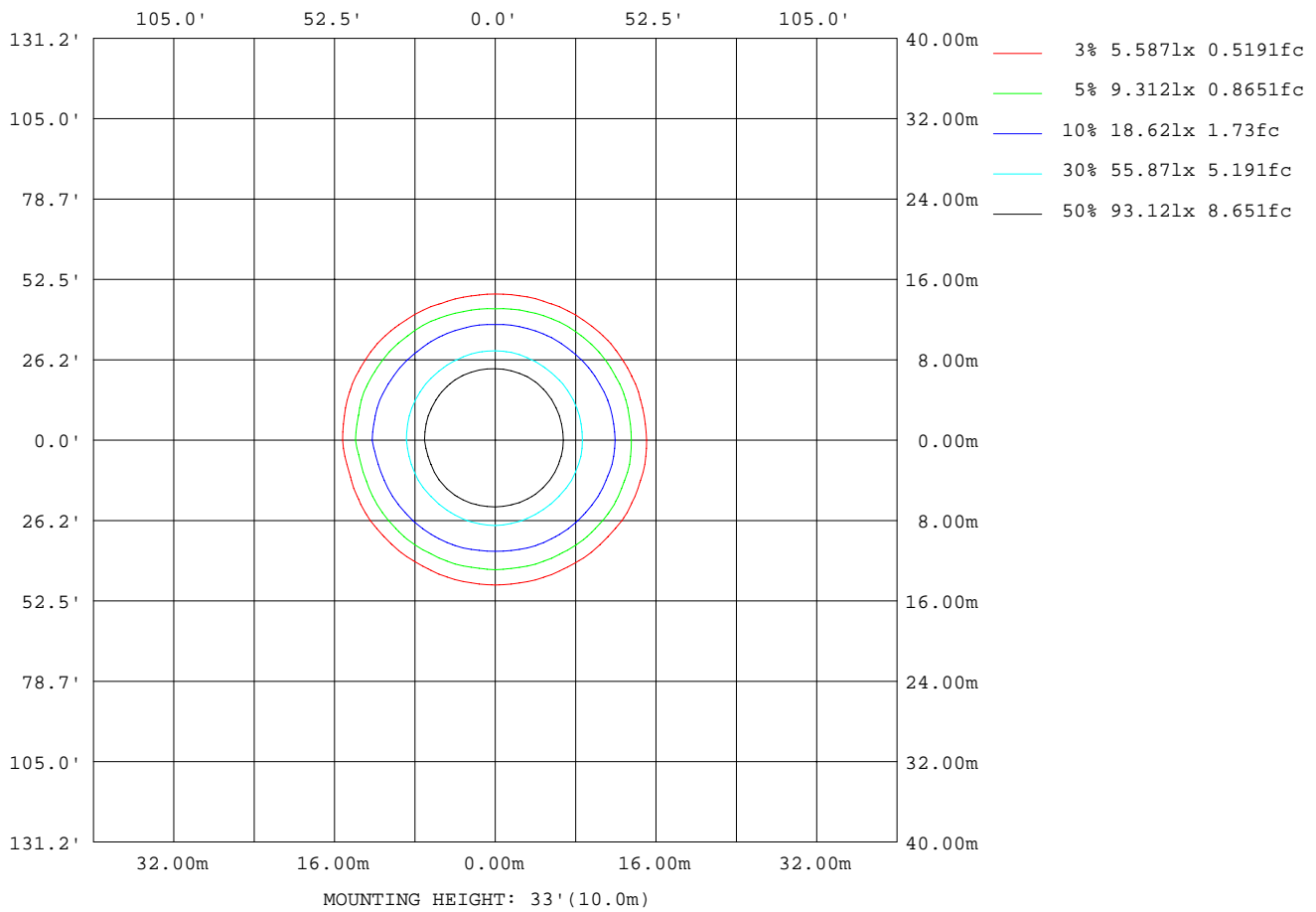
ISOCANDELA DIAGRAM



H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 0.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:FKY  
 Test Date:2019-08-05

V(B) Range:-90 - 90DEG  
 V(B) Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:10.230m [K=1.0000]  
 Remarks:

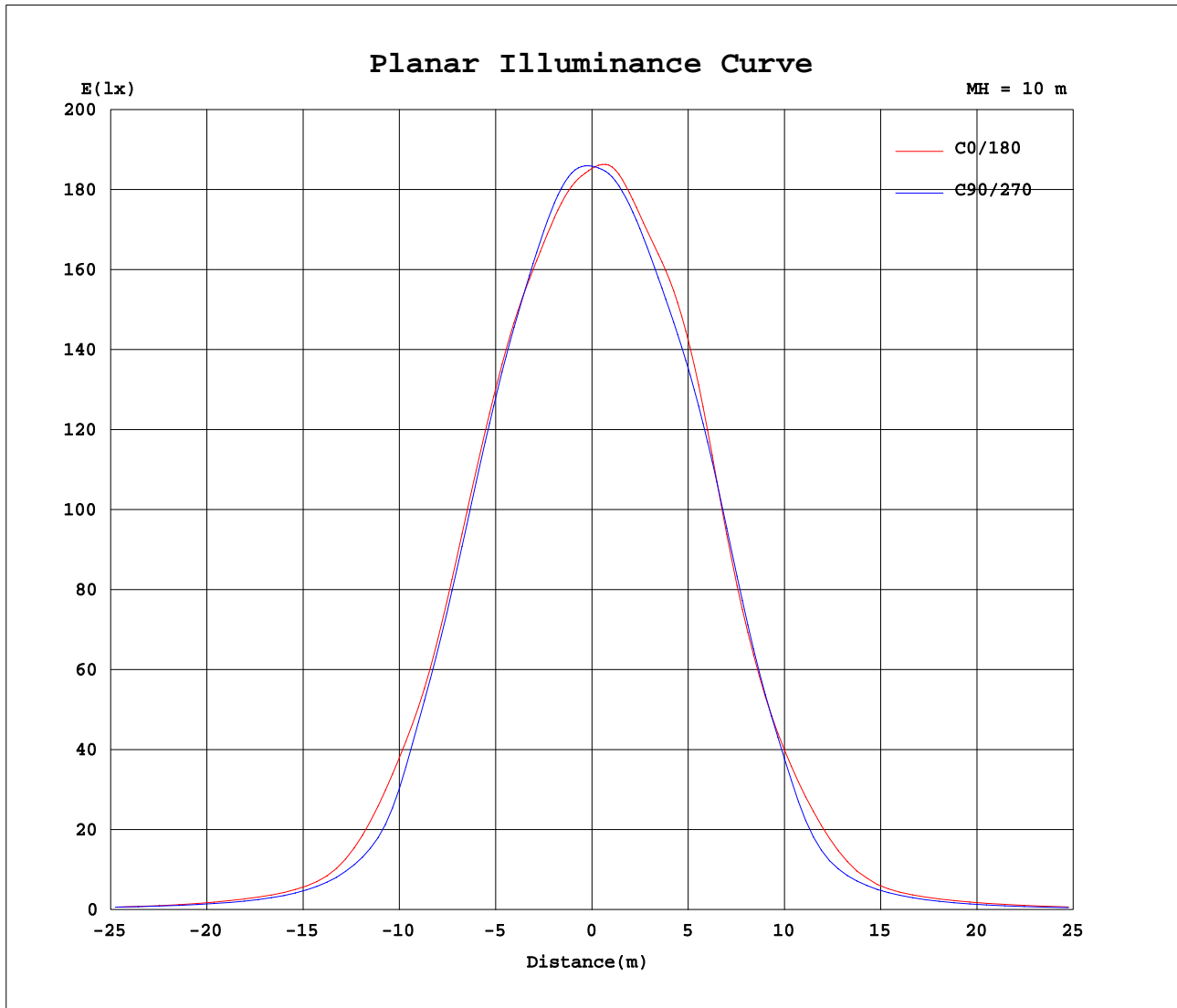
**ISOLUX DIAGRAM**



H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 0.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:FKY  
 Test Date:2019-08-05

V(B) Range:-90 - 90DEG  
 V(B) Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:10.230m [K=1.0000]  
 Remarks:

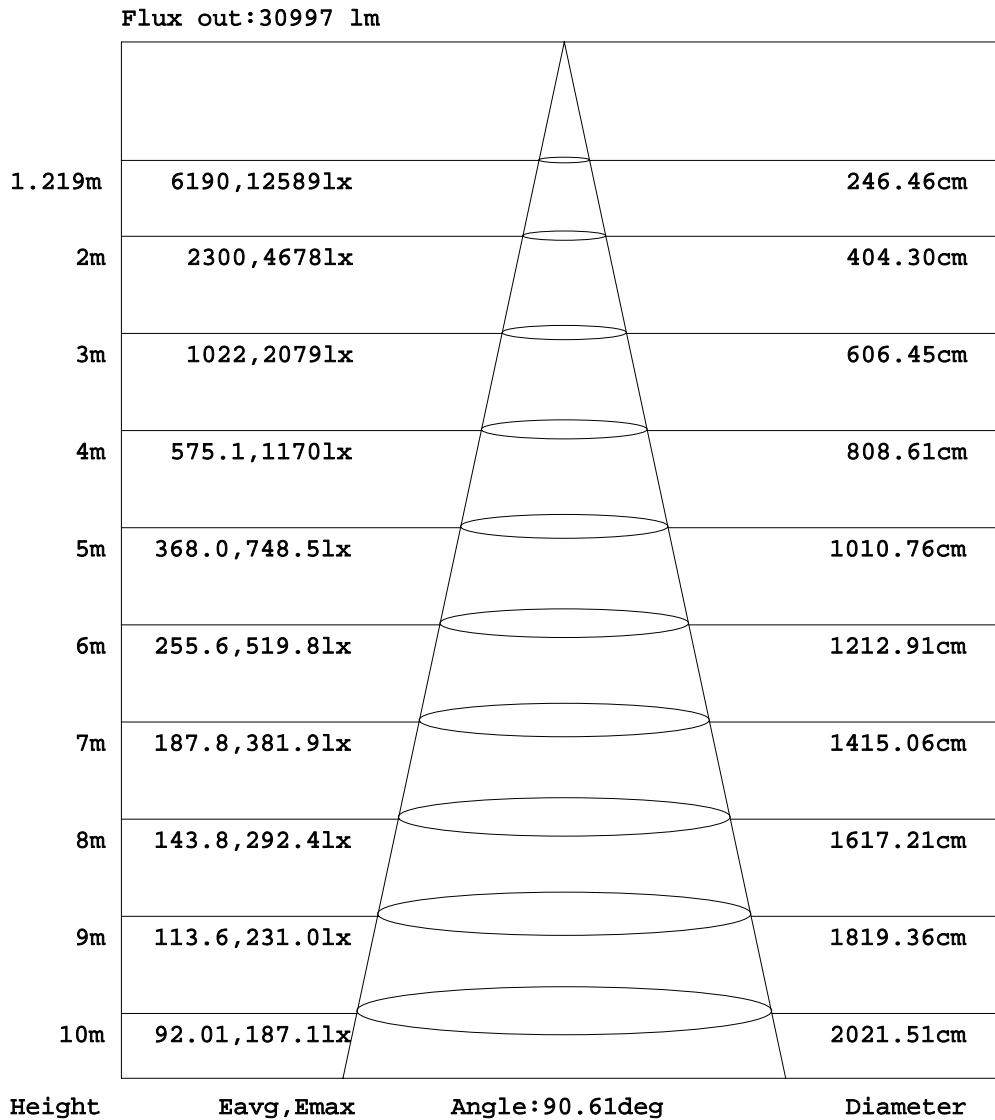
Planar Illuminance Curve



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:FKY  
Test Date:2019-08-05

V(B) Range:-90 - 90DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:65.0%  
Test Distance:10.230m [K=1.0000]  
Remarks:

AAI Figure



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

H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 0.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:FKY  
 Test Date:2019-08-05

V(B) Range:-90 - 90DEG  
 V(B) Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:10.230m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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	3.37	3.35	3.33	3.24	3.16	2.90	2.64	2.46	2.28	2.35	2.42	2.61	2.79	2.96	3.12	2.98	2.84	2.89	2.95
-85	3.37	3.36	3.36	3.69	4.06	3.93	4.09	4.41	4.56	4.90	5.14	5.56	5.92	7.09	8.35	11.3	14.2	15.3	16.3
-80	3.37	3.36	4.06	5.04	7.60	11.0	12.5	12.8	12.6	12.8	12.7	15.4	18.4	22.2	24.6	26.2	27.4	27.9	28.1
-75	3.37	3.61	5.12	8.20	14.5	18.0	21.7	24.6	29.1	32.8	37.0	40.4	41.4	44.5	46.4	48.4	49.7	50.5	50.8
-70	3.37	3.95	6.18	11.5	19.3	24.2	29.6	36.8	45.2	54.4	62.8	70.3	77.2	82.3	88.1	90.2	91.1	93.6	94.3
-65	3.37	4.34	7.25	16.6	23.8	31.0	39.9	50.6	63.4	75.0	86.2	96.4	106	115	125	133	138	142	145
-60	3.37	4.88	8.54	20.4	28.7	39.0	51.5	67.8	82.7	97.8	115	134	149	163	177	188	195	200	203
-55	3.37	5.39	12.2	23.4	34.4	47.6	65.6	85.7	107	132	158	183	206	228	253	276	290	302	308
-50	3.37	5.86	15.6	26.7	40.6	57.4	80.7	108	141	173	208	246	288	333	387	438	465	484	494
-45	3.37	6.31	19.1	30.2	47.1	68.5	98.7	138	178	220	271	345	447	545	640	725	779	826	856
-40	3.37	6.72	20.8	34.1	53.8	81.0	121	168	217	279	376	519	672	815	945	1095	1206	1261	1284
-35	3.37	7.07	22.4	38.3	60.5	94.9	145	198	260	368	540	733	931	1127	1297	1428	1508	1541	1552
-30	3.37	7.33	23.9	42.0	67.1	110	167	227	313	492	730	964	1190	1412	1574	1672	1714	1721	1725
-25	3.37	7.53	25.3	45.4	73.9	124	186	255	384	632	919	1194	1430	1634	1761	1801	1810	1809	1807
-20	3.37	7.68	26.6	48.4	81.1	139	203	285	472	776	1088	1363	1605	1767	1840	1851	1844	1840	1835
-15	3.37	7.79	27.7	51.0	87.7	152	219	315	564	913	1211	1480	1713	1856	1891	1875	1864	1860	1854
-10	3.37	7.84	28.5	52.9	93.3	163	234	353	656	1017	1302	1570	1802	1918	1919	1889	1877	1878	1870
-5	3.37	7.86	29.1	54.3	97.3	170	245	391	738	1087	1373	1646	1874	1959	1939	1900	1890	1890	1871
0	3.37	7.84	29.3	54.9	99.6	175	253	418	793	1128	1419	1706	1935	1993	1951	1905	1894	1883	1853
5	3.37	7.87	29.2	54.5	98.3	173	250	407	772	1114	1405	1694	1932	2003	1965	1913	1892	1880	1861
10	3.37	7.86	28.7	53.4	95.1	168	242	380	723	1073	1363	1652	1904	2002	1975	1922	1890	1876	1863
15	3.37	7.81	28.0	51.7	90.1	159	231	346	648	1000	1295	1576	1830	1970	1982	1937	1898	1877	1864
20	3.37	7.72	27.0	49.3	83.8	148	216	313	557	891	1188	1465	1713	1896	1964	1953	1919	1891	1872
25	3.37	7.60	25.8	46.4	76.8	134	199	279	461	740	1028	1305	1573	1777	1891	1933	1930	1909	1889
30	3.37	7.42	24.5	43.1	69.8	119	180	245	363	578	827	1095	1355	1586	1757	1852	1881	1884	1871
35	3.37	7.21	23.0	39.4	63.0	102	158	212	288	430	629	848	1067	1281	1488	1625	1704	1740	1736
40	3.37	6.88	21.1	35.5	56.1	86.8	133	180	232	315	450	608	767	946	1131	1280	1386	1444	1450
45	3.37	6.49	18.9	31.6	49.4	73.1	106	146	187	237	310	407	516	635	749	851	971	1049	1067
50	3.37	6.06	15.5	27.9	42.8	60.9	85.0	113	147	183	221	266	321	392	453	502	545	567	560
55	3.37	5.60	12.2	24.6	36.3	50.4	67.3	86.8	111	138	162	189	213	240	264	285	305	316	319
60	3.37	5.10	8.67	20.9	30.2	41.0	52.3	67.4	82.7	98.7	115	130	147	161	173	184	194	199	200
65	3.37	4.58	7.65	16.9	25.1	32.4	40.5	50.6	62.9	73.1	81.0	89.9	99.7	108	114	120	126	129	129
70	3.37	4.18	6.67	12.1	20.2	25.3	30.2	37.4	46.1	53.7	59.0	64.7	70.1	73.9	77.2	80.3	83.0	84.0	83.8
75	3.37	3.83	5.62	9.28	15.8	19.2	22.4	25.9	30.8	34.3	38.1	40.8	42.3	43.9	43.4	45.3	46.6	46.5	46.0
80	3.37	3.58	4.55	6.01	9.48	12.5	14.4	15.2	16.4	16.0	15.8	18.4	20.9	23.1	24.4	26.2	27.8	27.3	26.4
85	3.37	3.56	3.79	4.21	4.68	4.71	5.40	5.84	5.78	5.95	5.77	6.02	6.27	6.97	7.78	10.6	13.4	13.7	13.8
90	3.37	3.54	3.71	3.61	3.51	3.30	3.08	2.77	2.47	2.50	2.54	2.63	2.72	3.20	3.68	3.37	3.05	3.01	2.97

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
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Temperature:25.3DEG  
Operators:FKY  
Test Date:2019-08-05

V(B) Range:-90 - 90DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:65.0%  
Test Distance:10.230m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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	2.86	2.76	2.87	2.97	2.82	2.67	2.43	2.19	2.20	2.20	2.49	2.79	3.02	3.25	3.30	3.35	3.17	2.99	
-85	14.9	13.4	10.7	8.00	7.03	6.12	5.73	5.30	5.14	4.79	5.01	4.83	4.27	4.23	3.92	3.56	3.23	2.99	
-80	28.5	28.5	27.1	25.4	23.5	19.7	17.1	15.1	15.1	14.9	14.2	13.5	11.1	8.11	5.39	4.41	3.28	2.99	
-75	51.3	51.2	50.2	48.4	47.4	44.7	43.3	40.4	35.3	31.3	26.3	22.5	18.6	14.4	8.07	5.25	3.56	2.99	
-70	95.0	93.9	93.0	91.4	86.4	80.7	73.4	65.1	56.4	47.3	38.4	31.0	24.9	19.4	11.3	5.95	3.93	2.99	
-65	143	139	134	127	118	110	100	89.9	78.4	66.3	52.7	41.3	32.1	24.1	16.7	6.78	4.30	2.99	
-60	201	196	190	180	167	153	137	120	104	87.4	70.9	53.7	40.2	29.5	20.4	8.12	4.68	2.99	
-55	303	292	278	258	234	214	191	165	138	113	90.5	68.6	49.4	35.3	23.6	12.0	5.05	2.99	
-50	485	467	441	391	340	297	256	218	184	149	115	85.1	59.9	41.6	27.1	15.3	5.35	2.99	
-45	826	780	725	641	548	453	355	283	234	190	146	105	71.6	48.3	30.7	18.4	5.60	2.99	
-40	1251	1187	1077	938	816	679	525	387	295	233	180	128	85.0	55.4	34.5	20.0	5.83	2.99	
-35	1529	1487	1401	1268	1107	926	736	546	383	277	213	153	99.7	62.5	38.3	21.5	6.06	2.99	
-30	1712	1696	1642	1538	1377	1170	958	732	497	328	243	178	115	69.4	41.7	22.9	6.27	2.99	
-25	1796	1786	1764	1714	1591	1398	1168	913	632	392	272	200	130	75.8	44.8	24.2	6.42	2.99	
-20	1824	1814	1801	1775	1708	1566	1337	1074	772	473	301	219	143	81.9	47.5	25.3	6.52	2.99	
-15	1838	1825	1818	1807	1767	1661	1456	1195	906	559	330	234	154	86.9	49.7	26.2	6.56	2.99	
-10	1848	1830	1823	1824	1800	1719	1541	1281	1007	633	353	244	162	90.7	51.2	26.8	6.57	2.99	
-5	1847	1834	1826	1833	1822	1754	1591	1329	1055	681	368	250	167	92.7	52.1	27.1	6.53	2.99	
0	1839	1831	1826	1839	1832	1767	1606	1344	1074	701	373	252	168	92.9	52.2	27.1	6.46	2.99	
5	1848	1832	1828	1843	1834	1760	1591	1332	1059	681	366	247	165	92.3	52.0	27.1	6.60	2.99	
10	1848	1832	1831	1845	1832	1743	1556	1293	1014	632	349	239	159	90.0	51.1	26.7	6.70	2.99	
15	1849	1837	1837	1846	1809	1699	1495	1231	931	565	323	226	149	86.1	49.5	26.2	6.75	2.99	
20	1856	1848	1848	1835	1768	1618	1394	1128	816	488	297	211	138	81.0	47.3	25.3	6.74	2.99	
25	1871	1857	1838	1793	1688	1498	1242	967	672	411	267	193	125	74.9	44.6	24.2	6.64	2.99	
30	1855	1829	1788	1686	1513	1293	1037	776	523	333	236	171	111	68.4	41.5	23.0	6.47	2.99	
35	1721	1668	1572	1431	1223	1017	807	585	393	272	205	148	97.4	61.8	38.0	21.6	6.20	2.99	
40	1431	1360	1243	1090	911	739	577	420	296	223	171	123	84.5	55.0	34.3	20.2	5.94	2.99	
45	1033	946	830	732	621	500	386	295	228	180	137	101	72.0	48.3	30.6	18.6	5.70	2.99	
50	565	543	500	445	379	313	259	215	177	140	108	83.6	60.1	41.9	27.2	15.9	5.43	2.99	
55	318	308	288	265	239	211	184	157	131	107	86.1	67.3	49.8	35.6	23.9	13.1	5.13	2.99	
60	200	195	185	174	161	145	126	111	97.2	83.3	68.2	52.6	40.6	29.8	20.8	9.55	4.79	2.99	
65	129	127	121	114	107	99.5	90.3	82.4	74.6	64.0	51.2	40.6	32.3	24.8	17.5	7.36	4.44	2.99	
70	84.9	84.7	82.1	79.7	77.0	73.1	66.9	60.5	54.5	46.6	37.8	30.6	25.3	20.1	12.8	6.19	4.08	2.99	
75	46.6	46.8	45.7	44.0	44.6	43.2	41.3	38.2	34.6	31.3	26.5	22.7	19.2	15.7	9.12	5.48	3.71	2.99	
80	27.0	27.3	25.8	24.1	23.1	21.4	19.1	16.4	16.6	16.8	15.3	14.4	12.5	10.2	6.26	4.72	3.41	2.99	
85	13.6	13.2	10.7	8.11	7.24	6.47	6.10	5.73	5.81	5.57	6.22	6.06	4.95	4.67	4.31	3.80	3.29	2.99	
90	2.97	2.97	3.30	3.64	3.08	2.51	2.43	2.34	2.33	2.33	2.63	2.93	3.25	3.57	3.47	3.36	3.18	2.99	

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:FKY  
Test Date:2019-08-05

V(B) Range:-90 - 90DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:65.0%  
Test Distance:10.230m [K=1.0000]  
Remarks: