

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		1343.7 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	81.3V x 69.0H
	At 50% of Imax	50.0V x 50.7H
	At 90% of Imax	33.0V x 33.4H
Beam Flux	Total	996.2 lumens per klm.
	To 10% of Imax	848.1 lumens per klm.
	To 50% of Imax	626.5 lumens per klm.
	To 90% of Imax	278.1 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.6 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

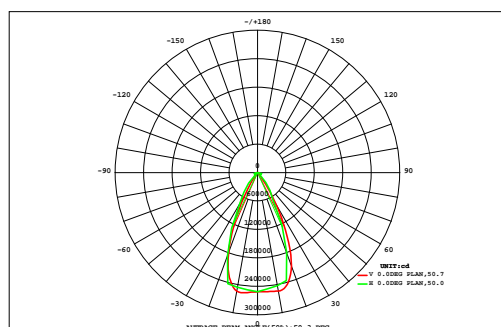
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H(<sub>b</sub>) Range:-90 - 90DEG  
H(<sub>b</sub>) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:DAMIN  
Test Date:2020-04-18

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:8.230m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:10.074V I:0A P:0W PF:0.0000 Freq:50.02Hz Lamp Flux:190083x1 lm		
NAME: 1200W-5050-60	TYPE:	WEIGHT:
SPEC.:0.65x0.74	DIM.: 0.65x0.74	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.65x0.74	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	5050	Imax(cd)	255407
NOMINAL POWER(W)	1200	AVAILABILITY(%)	85.6
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	162699
NOMINAL FLUX(lm)	190083	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	190083
TEST VOLTAGE(V)	230	q @50%(H,V)	51,50DEG

		AREA FLUX DIAGRAM																UNIT:lm		F t	F a
VERTICAL (DEG)	90	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.07	0.07	0.07	0.07	0.06	0.05	0.03	0.01	0.67	0.00
	80	0.92	4.98	16.7	47.7	77.1	90.9	110	94.8	147	157	94.5	109	87.7	81.2	51.4	20.1	5.55	1.08	1197	0.00
	70	1.67	10.6	48.8	111	118	121	135	139	175	162	141	140	125	116	109	48.3	10.8	1.89	1717	0.00
	60	2.11	13.5	64.0	123	117	124	140	158	163	163	163	147	134	126	128	56.6	14.0	2.52	1839	0.00
	50	2.63	14.8	50.2	80.8	103	136	169	194	210	211	201	178	147	115	88.5	45.2	16.2	3.31	1964	0.00
	40	3.20	15.9	45.1	80.0	115	158	254	722	1379	1488	919	336	177	130	91.5	47.6	18.7	4.07	5984	3961
	30	3.76	17.0	43.9	82.7	127	200	724	2157	3450	3528	2417	1001	285	148	97.3	51.3	21.1	4.67	14357	12834
		4.25	18.6	48.5	91.3	141	344	2149	5372	7191	7176	5532	2520	479	167	111	58.9	23.2	5.02	31432	30247
		4.51	19.9	53.2	103	156	553	3099	6390	7522	7466	6379	3287	682	182	123	64.2	24.3	5.16	36112	34945
		4.71	20.9	55.8	108	162	673	3363	6487	7477	7560	6621	3375	659	185	125	64.8	24.3	5.20	36971	35832
		4.81	21.1	52.7	98.5	152	445	2274	5135	6871	7031	5280	2109	345	165	108	57.6	22.8	4.99	30176	29024
	-30	4.54	20.4	50.6	95.4	146	302	1113	2488	3530	3504	2291	821	235	152	101	55.3	21.9	4.59	14936	13542
	-40	4.33	19.7	50.6	96.1	140	189	208	545	1028	949	492	195	172	141	97.6	56.4	21.1	4.21	4410	2266
	-50	4.21	19.0	55.1	103	134	178	236	305	327	266	211	205	172	131	102	63.6	20.1	3.94	2536	47.2
	-60	3.80	17.0	60.1	137	150	168	193	215	227	226	210	187	160	142	137	75.8	18.3	3.62	2329	0.00
	-70	3.25	14.3	58.8	138	147	156	174	181	201	213	179	170	152	147	142	67.4	15.4	3.19	2162	0.00
-80	2.58	10.3	33.0	76.4	121	146	177	161	228	258	165	177	149	130	83.0	30.9	10.6	2.54	1960	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	
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90
F t	55.3	258	787	1573	2106	3983	14520	30744	40126	40357	31294	14956	4160	2257	1695	864	288	60.01	190083	---	
F a	0.00	0.00	0.00	0.00	0.00	1358	12264	28578	38345	38615	29454	12746	1339	0.00	0.00	0.00	0.00	0.00	---	162699	

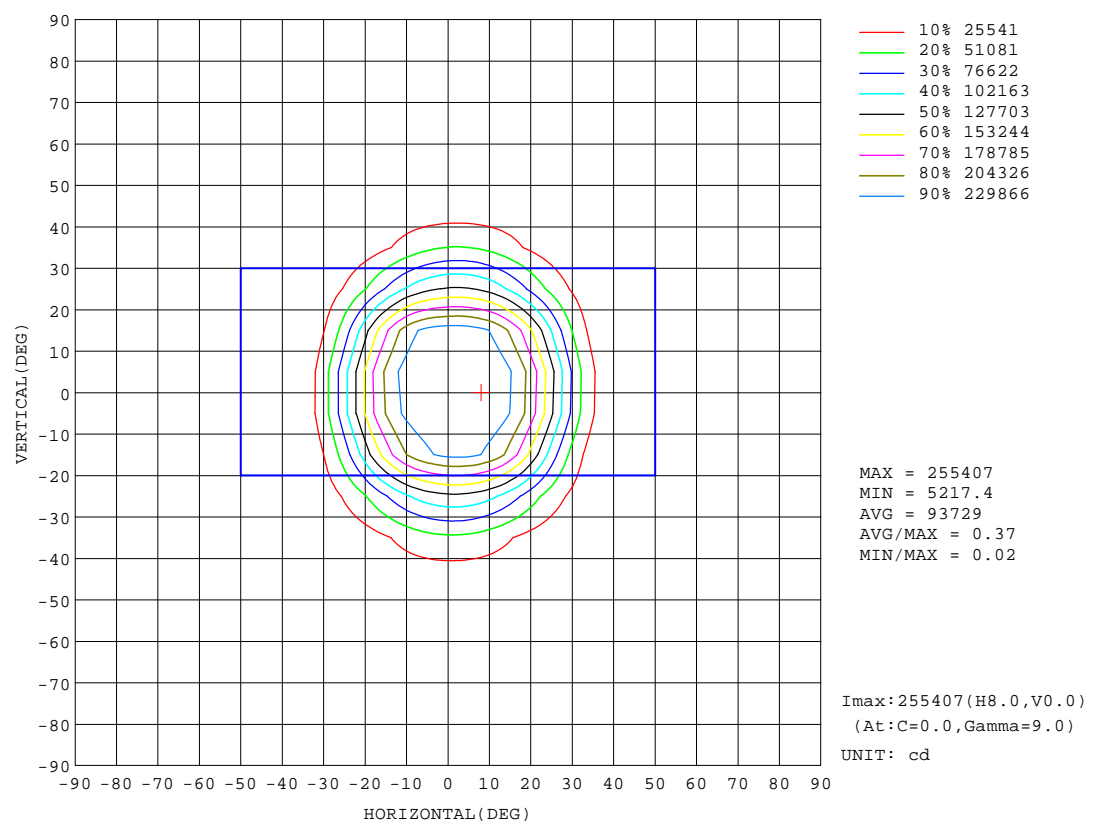
one-half-peak spread: U:24.8,D:25.4 , L:16.8,NEMA Beam Type: Type 4 x 5 (H x V)

H<sub>b</sub> Range:-90 - 90DEG  
H<sub>b</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:DAMIN  
Test Date:2020-04-18

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:8.230m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:10.074V I:0A P:0W PF:0.0000 Freq:50.02Hz Lamp Flux:190083x1 lm		
NAME: 1200W-5050-60	TYPE:	WEIGHT:
SPEC.:0.65x0.74	DIM.: 0.65x0.74	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.65x0.74	Shielding Angle:

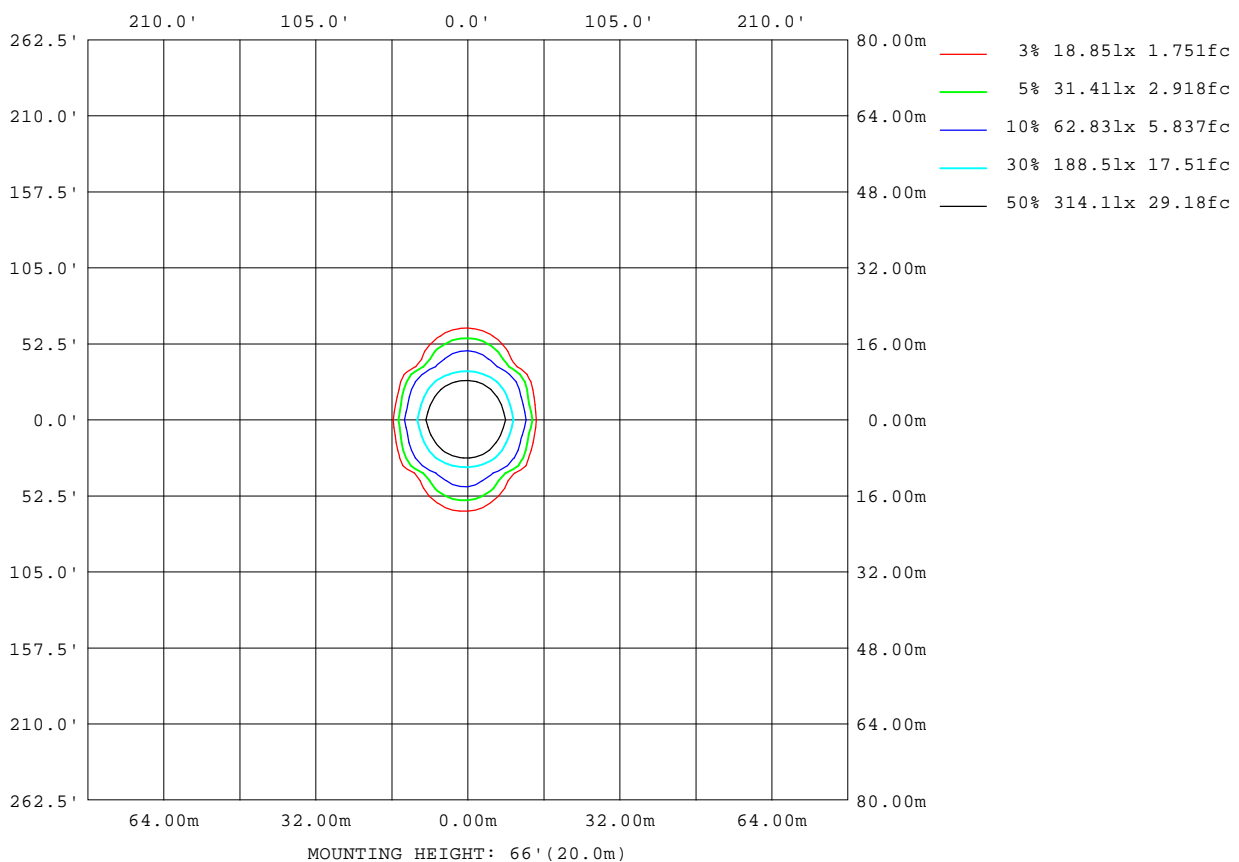


H(B) Range:-90 - 90DEG  
H(B) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:DAMIN  
Test Date:2020-04-18

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:8.230m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

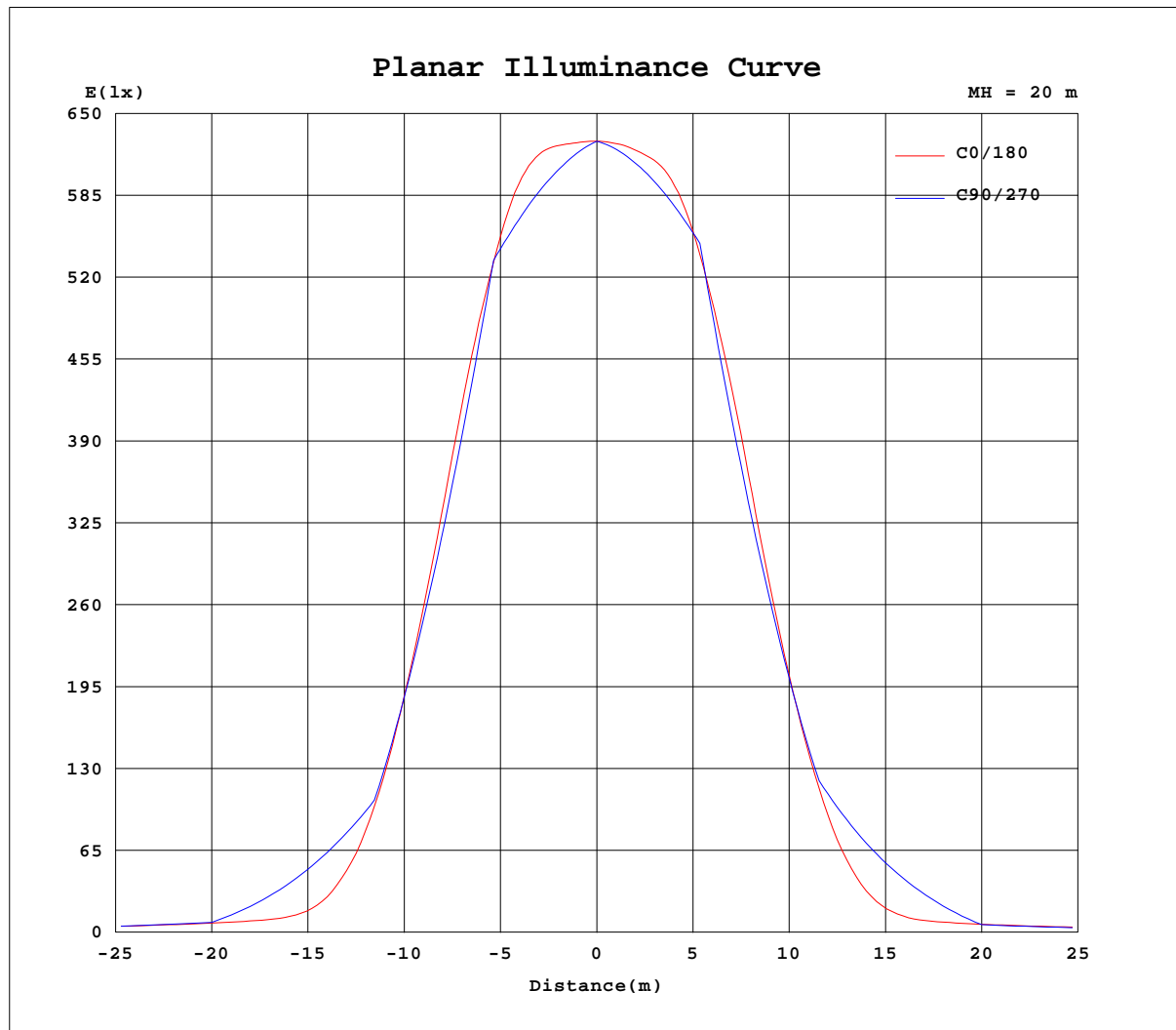
Test:U:10.074V I:0A P:0W PF:0.0000 Freq:50.02Hz Lamp Flux:190083x1 lm		
NAME: 1200W-5050-60	TYPE:	WEIGHT:
SPEC.:0.65x0.74	DIM.: 0.65x0.74	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.65x0.74	Shielding Angle:



H<sub>(b)</sub> Range:-90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:DAMIN  
Test Date:2020-04-18

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:8.230m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



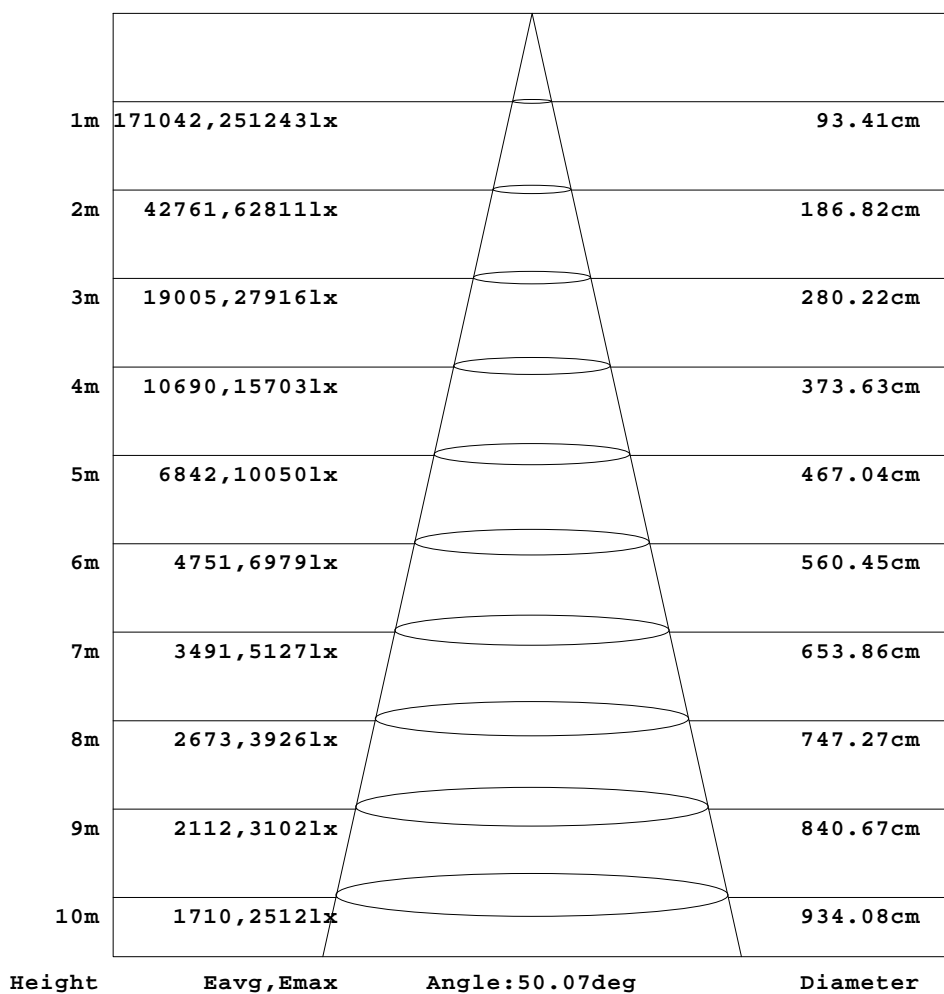
H<sub>b</sub> Range:-90 - 90DEG  
H<sub>b</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:DAMIN  
Test Date:2020-04-18

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:8.230m [K=1.0000]  
Remarks:

## AAI Figure

Test:U:10.074V I:0A P:0W PF:0.0000 Freq:50.02Hz Lamp Flux:190083x1 lm		
NAME: 1200W-5050-60	TYPE:	WEIGHT:
SPEC.:0.65x0.74	DIM.: 0.65x0.74	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.65x0.74	Shielding Angle:

Flux out:122249 lm



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

H<sub>b</sub> Range: -90 - 90DEG  
H<sub>b</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 30DEG  
Operators: DAMIN  
Test Date: 2020-04-18

V(B) Range: -75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.402  
Humidity: 65.0%  
Test Distance: 8.230m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:10.074V I:0A P:0W PF:0.0000 Freq:50.02Hz Lamp Flux:190083x1 lm		
NAME: 1200W-5050-60	TYPE:	WEIGHT:
SPEC.:0.65x0.74	DIM.: 0.65x0.74	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.65x0.74	Shielding Angle:

Table--1

UNIT: ×100cd

H(°) \ V(°)	-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	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
-75	7.98	8.66	10.0	12.0	14.3	19.3	30.3	43.2	49.2	52.9	66.3	57.6	56.3	66.6	62.7	54.1	53.1	71.4	90.8
-70	8.99	10.6	13.1	15.9	20.1	35.8	55.4	61.6	59.8	63.4	64.1	57.3	63.3	65.6	60.3	56.3	63.6	78.9	85.2
-65	9.27	10.4	12.7	16.8	19.5	30.7	58.1	76.8	72.6	66.7	67.2	62.2	61.0	64.8	64.6	62.1	61.7	68.2	75.4
-60	10.4	12.8	17.3	21.1	26.8	57.3	89.2	89.4	77.4	69.4	65.5	63.6	63.5	64.9	66.0	66.1	66.4	67.3	67.9
-55	10.0	11.5	15.2	20.5	23.4	36.5	66.2	82.1	75.6	69.3	66.7	66.2	67.1	69.0	71.5	73.0	73.6	74.4	75.5
-50	10.8	13.8	21.1	23.1	29.3	51.2	68.9	68.5	65.3	65.2	66.9	69.6	72.7	76.1	79.1	80.6	81.7	82.9	83.3
-45	10.2	11.9	17.6	22.9	26.1	36.5	54.4	59.0	58.1	60.6	64.8	69.5	74.5	79.0	83.4	86.7	88.5	90.0	91.0
-40	10.2	14.5	23.4	24.6	30.9	45.8	55.5	57.1	60.0	64.6	70.2	76.2	82.9	99.9	138	190	241	272	275
-35	8.90	10.8	19.7	23.3	26.9	35.7	47.9	54.1	57.9	62.8	68.8	75.6	82.7	95.9	142	230	335	422	462
-30	8.83	14.9	24.2	25.4	31.6	41.2	49.1	55.3	61.4	67.8	75.5	83.4	94.3	136	243	395	543	634	642
-25	7.54	9.88	22.1	23.7	27.9	36.3	45.1	52.3	59.0	65.0	72.6	84.9	143	283	496	749	987	1146	1218
-20	7.64	16.9	24.5	25.9	33.5	42.3	50.1	57.5	63.7	70.8	81.1	137	340	670	1053	1399	1644	1763	1794
-15	6.08	9.29	24.7	24.3	29.0	38.1	46.0	53.8	61.4	67.5	76.0	97.6	256	640	1147	1646	2044	2261	2359
-10	6.76	17.8	24.3	25.9	34.9	43.9	52.4	61.1	67.0	73.7	89.2	212	585	1118	1669	2081	2308	2391	2418
-5	5.13	9.04	24.1	23.6	29.0	39.1	48.7	57.9	66.2	71.0	79.0	131	408	935	1546	2054	2353	2438	2462
0	6.18	17.6	23.4	25.4	35.8	46.2	56.1	66.0	71.1	76.6	99.8	308	829	1479	2089	2440	2536	2518	2513
5	4.32	8.52	23.4	22.7	27.9	38.1	47.6	56.7	64.9	69.5	77.2	128	405	935	1560	2083	2394	2473	2483
10	5.48	16.3	22.0	24.1	33.1	41.8	50.0	58.4	64.1	70.5	85.1	203	581	1133	1715	2156	2383	2447	2456
15	3.65	7.74	22.6	21.4	25.9	35.2	42.7	50.0	57.3	62.9	70.8	88.2	245	641	1188	1735	2164	2365	2423
20	4.78	14.4	20.8	22.5	29.9	38.3	45.4	52.3	58.0	64.2	73.0	124	331	681	1098	1479	1733	1843	1866
25	3.15	6.75	19.9	19.7	23.4	31.8	40.1	46.3	52.2	57.4	63.7	73.3	130	273	502	780	1043	1217	1296
30	4.08	12.0	19.7	20.6	26.3	35.7	42.4	47.5	52.6	57.8	63.5	69.7	79.1	123	239	409	584	707	742
35	2.78	5.87	16.9	18.4	21.5	30.9	41.4	45.5	48.4	52.3	56.9	61.9	67.5	79.2	128	224	344	451	512
40	3.66	9.90	18.5	19.1	25.8	40.0	46.5	46.6	48.6	52.1	56.2	60.5	65.8	82.7	123	181	240	282	294
45	2.54	5.11	13.6	17.5	20.1	32.3	46.7	47.7	46.0	47.5	50.5	53.9	57.2	60.5	63.8	66.0	67.3	68.9	70.1
50	3.44	8.10	16.5	17.6	25.3	47.5	59.5	55.2	51.2	50.7	51.7	53.3	55.2	57.9	59.8	60.8	61.9	63.5	63.8
55	2.82	4.67	10.4	16.1	18.0	35.2	62.5	69.9	60.3	53.8	51.6	50.7	50.7	51.9	53.9	54.5	55.1	56.2	57.5
60	3.40	6.60	13.7	16.1	24.7	58.1	81.3	73.4	60.4	53.7	50.2	47.9	47.3	48.5	49.0	48.8	49.4	50.9	51.2
65	3.12	4.31	7.86	13.0	14.8	29.7	56.0	66.5	58.7	53.0	53.9	48.2	47.9	50.4	48.9	46.4	47.7	55.2	60.4
70	3.52	5.57	9.45	11.7	16.8	34.1	49.7	51.2	48.8	53.9	50.2	46.4	52.2	51.0	45.6	43.6	54.4	67.7	68.1
75	3.44	4.04	5.88	8.29	10.4	15.8	27.1	37.3	41.1	45.2	57.5	46.3	48.7	55.8	48.8	41.6	45.2	65.9	78.7
80	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
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<sub>(b)</sub> Range:-90 - 90DEGH<sub>(b)</sub> Interval: 1.0DEG

Test Speed: HIGH

Temperature:30DEG

Operators:DAMIN

Test Date:2020-04-18

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.402

Humidity:65.0%

Test Distance:8.230m [K=1.0000]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:10.074V I:0A P:0W PF:0.0000 Freq:50.02Hz Lamp Flux:190083x1 lm		
NAME: 1200W-5050-60	TYPE:	WEIGHT:
SPEC.:0.65x0.74	DIM.: 0.65x0.74	SERIAL No.:
MFR.:	SUR.:0.65x0.74	Shielding Angle:

Table--2

UNIT: ×100cd

H(°) \ V(°)	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	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
-75	91.5	71.4	53.3	55.5	64.3	67.4	57.2	60.0	63.7	52.4	48.2	41.4	28.2	18.0	14.0	11.7	9.68	8.46
-70	76.1	60.6	56.9	61.7	66.4	61.2	58.5	66.7	60.0	60.5	61.7	50.7	29.8	18.1	15.2	11.8	9.52	8.64
-65	75.5	67.6	60.9	61.4	63.7	63.6	60.1	62.4	66.1	67.1	74.5	77.4	56.8	28.6	19.7	16.2	11.7	9.51
-60	66.4	65.0	64.4	64.0	62.3	61.3	62.5	65.7	70.8	81.9	94.9	84.7	47.1	24.2	20.5	14.4	10.9	9.53
-55	75.2	73.4	72.0	70.9	69.0	66.2	64.6	64.5	65.6	69.2	77.7	83.9	65.7	34.4	23.5	19.8	13.2	10.1
-50	81.8	79.9	78.2	75.9	72.2	68.8	66.2	64.4	63.5	65.8	71.5	67.9	44.7	26.5	22.5	16.5	11.2	9.49
-45	90.6	88.6	86.6	83.9	80.1	75.2	70.7	66.3	62.0	58.7	57.8	60.9	54.9	35.2	25.4	22.3	14.1	10.1
-40	248	200	147	106	84.5	76.9	71.6	66.5	61.9	58.5	57.9	55.7	41.8	28.3	24.1	18.8	11.0	8.93
-35	444	373	270	174	110	86.2	78.7	72.8	67.1	62.0	57.8	55.0	48.2	34.5	26.8	24.1	14.8	9.10
-30	565	425	272	155	99.1	85.7	78.6	72.2	66.0	60.2	54.4	48.2	38.5	29.5	25.2	21.6	10.3	7.86
-25	1199	1087	886	634	386	205	106	80.1	72.5	66.2	60.1	53.4	45.7	35.4	27.9	25.5	16.1	8.33
-20	1720	1530	1202	805	436	184	91.1	78.6	71.2	65.1	57.7	50.0	40.9	30.9	26.1	24.0	10.4	6.91
-15	2355	2232	1935	1464	908	431	152	88.3	78.4	71.3	64.5	56.0	47.4	37.9	28.9	26.4	18.0	7.80
-10	2378	2233	1876	1350	777	326	120	85.2	77.3	71.7	63.2	53.8	43.8	32.6	27.1	25.6	10.6	6.37
-5	2464	2446	2294	1907	1319	716	273	105	84.9	78.9	73.0	62.9	52.4	41.0	30.3	27.2	19.0	7.91
0	2539	2535	2294	1788	1122	510	164	92.1	84.4	80.1	70.9	59.5	47.2	34.7	28.1	26.3	10.9	6.24
5	2482	2467	2316	1938	1353	741	283	106	85.2	79.3	73.4	63.2	52.6	41.1	30.3	27.4	19.0	7.91
10	2417	2274	1931	1418	836	357	126	85.8	77.9	72.5	63.9	54.3	44.1	32.7	27.2	25.4	10.6	6.31
15	2409	2295	2002	1556	1010	503	182	91.2	79.2	72.3	65.7	57.0	48.2	38.2	28.9	27.0	18.1	7.80
20	1796	1607	1284	887	497	214	96.5	77.7	70.4	64.7	57.2	49.1	39.8	30.0	25.8	23.9	10.1	6.26
25	1288	1184	975	708	436	229	112	78.2	70.0	64.0	58.1	51.1	42.9	33.2	26.1	25.4	16.2	7.42
30	678	533	352	194	106	81.2	74.1	67.9	62.0	56.6	50.6	43.8	34.4	26.5	23.7	21.9	9.41	6.08
35	509	442	331	211	121	81.6	71.7	66.4	61.2	56.7	52.8	49.1	40.4	28.9	23.3	23.3	13.8	6.73
40	272	224	163	109	77.6	67.5	62.9	58.7	54.8	52.1	51.0	45.7	31.6	23.2	21.5	17.3	7.96	5.43
45	70.0	69.1	68.4	67.4	65.0	62.3	59.4	56.0	53.0	50.4	50.0	51.0	40.7	25.2	20.2	20.5	10.8	5.75
50	63.0	62.4	62.1	60.9	58.7	57.0	55.4	54.4	54.4	57.1	61.6	52.6	30.6	20.2	18.7	13.0	6.55	4.75
55	57.2	56.4	56.1	56.2	55.0	53.7	53.3	53.8	55.5	59.8	68.1	69.9	47.8	22.8	17.9	15.7	8.51	4.82
60	50.2	49.9	50.3	50.4	49.5	49.7	51.6	54.9	60.7	71.6	82.3	64.5	31.2	17.3	15.4	9.09	5.20	4.02
65	57.6	50.2	46.8	49.0	51.5	50.2	48.2	52.9	54.5	57.1	64.8	63.4	40.7	18.3	14.2	11.1	6.47	4.12
70	56.1	44.6	45.3	50.9	53.3	47.1	48.8	55.4	49.6	51.3	51.5	37.7	19.7	12.5	10.3	6.70	4.33	3.70
75	71.2	50.6	40.4	45.9	54.3	51.9	44.0	53.3	50.0	42.5	40.1	31.7	19.3	11.9	9.09	6.79	4.75	3.66
80	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
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<sub>b</sub> Range:-90 - 90DEGH<sub>b</sub> Interval: 1.0DEG

Test Speed: HIGH

Temperature:30DEG

Operators:DAMIN

Test Date:2020-04-18

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.402

Humidity:65.0%

Test Distance:8.230m [K=1.0000]

Remarks: