

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	902.7 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of I _{max}	99.7V x 100.6H
	At 50% of I _{max}	59.5V x 60.1H
	At 90% of I _{max}	28.6V x 29.7H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of I _{max}	901.9 lumens per klm.
	To 50% of I _{max}	571.9 lumens per klm.
	To 90% of I _{max}	192.9 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

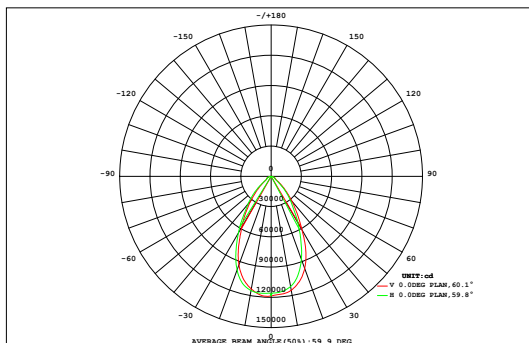
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-14

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:16.500m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.0V I:3.720A P:792.3W PF:0.9970 Lamp Flux:131834x1 lm		
NAME: ST 800 STD CR 30 50 8 060	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:166.39lm/W	
MODEL	ST 800 STD CR 30 50 8 060	Imax(cd)	119010
NOMINAL POWER(W)	792.3	AVAILABILITY(%)	90.1
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	118722
NOMINAL FLUX(lm)	131834	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	131834
TEST VOLTAGE(V)	230	θ @50% (H,V)	60,59DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm				Φ t	Φ a
	0.21	1.19	2.99	5.14	6.84	9.15	11.7	14.3	14.1	14.0	14.0	11.4	8.77	6.54	5.21	3.32	1.51	0.36	131	0.00		
90	0.57	4.31	11.8	20.0	30.4	41.1	48.9	56.3	58.3	58.0	55.6	48.8	41.7	30.7	19.4	11.6	4.63	0.75	543	0.00		
80	1.01	8.50	21.4	40.1	71.0	87.8	82.6	93.7	109	109	92.7	81.5	86.1	70.5	38.4	20.5	8.52	1.19	1024	0.00		
70	1.46	11.9	30.3	52.7	94.3	116	114	140	168	168	139	113	111	89.4	49.6	28.6	11.5	1.62	1440	0.00		
60	1.89	14.8	36.3	59.9	95.8	151	273	433	538	539	437	279	147	91.2	55.6	33.8	14.2	2.03	3202	1885		
50	2.23	17.2	41.3	69.6	129	346	677	974	1154	1151	958	668	353	131	64.6	37.9	16.4	2.36	6793	6124		
40	2.50	19.0	47.2	82.9	236	623	1130	1676	2060	2063	1678	1106	612	241	79.3	42.6	18.0	2.62	11719	11208		
30	2.68	20.3	53.7	103	351	875	1625	2471	2987	2994	2491	1635	855	353	102	47.7	19.1	2.81	16991	16547		
-30	2.78	21.1	59.1	123	430	1059	2006	2968	3442	3396	2973	2064	1063	442	124	51.9	19.7	2.91	20248	19834		
	2.79	21.3	59.6	126	440	1082	2039	2983	3446	3509	3113	2184	1119	462	128	52.6	19.9	2.93	20791	20385		
-40	2.73	20.7	55.1	110	378	935	1753	2653	3200	3251	2778	1863	975	403	111	49.9	19.6	2.88	18563	18137		
	2.58	19.6	49.5	89.7	274	699	1287	1947	2413	2451	2026	1340	730	292	87.7	46.0	18.8	2.73	13777	13297		
-50	2.35	18.0	43.8	74.1	160	436	821	1186	1441	1458	1215	845	459	164	71.8	41.6	17.5	2.51	8456	7854		
-60	2.05	15.8	38.5	63.4	103	193	387	603	740	746	619	404	196	100	62.2	37.1	15.7	2.23	4326	3361		
-70	1.63	13.0	32.8	56.1	96.7	121	137	190	236	237	193	138	116	91.0	55.3	32.4	13.2	1.85	1762	91.2		
-80	1.16	9.83	24.5	45.5	82.1	95.9	91.5	107	126	126	107	92.0	91.8	77.8	45.7	25.2	10.2	1.39	1161	0.00		
-90	0.69	5.60	14.7	25.4	40.3	52.4	59.4	68.8	73.7	74.0	69.6	60.4	52.6	40.6	26.9	15.9	6.29	0.92	688	0.00		
	0.27	1.86	4.86	8.18	10.7	14.1	18.4	23.1	24.1	24.4	23.9	19.5	15.2	11.9	9.50	5.90	2.48	0.48	219	0.00		
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90		
Φ t	31.6	244	627	1156	3031	6937	12561	18586	22231	22369	18983	12953	7034	3098	1137	584	237	34.61	31834	---		
Φ a	0.00	0.00	0.00	0.00	1841	5974	11754	17783	21398	21535	18189	12155	6109	1974	11.6	0.00	0.00	0.00	---	118722		

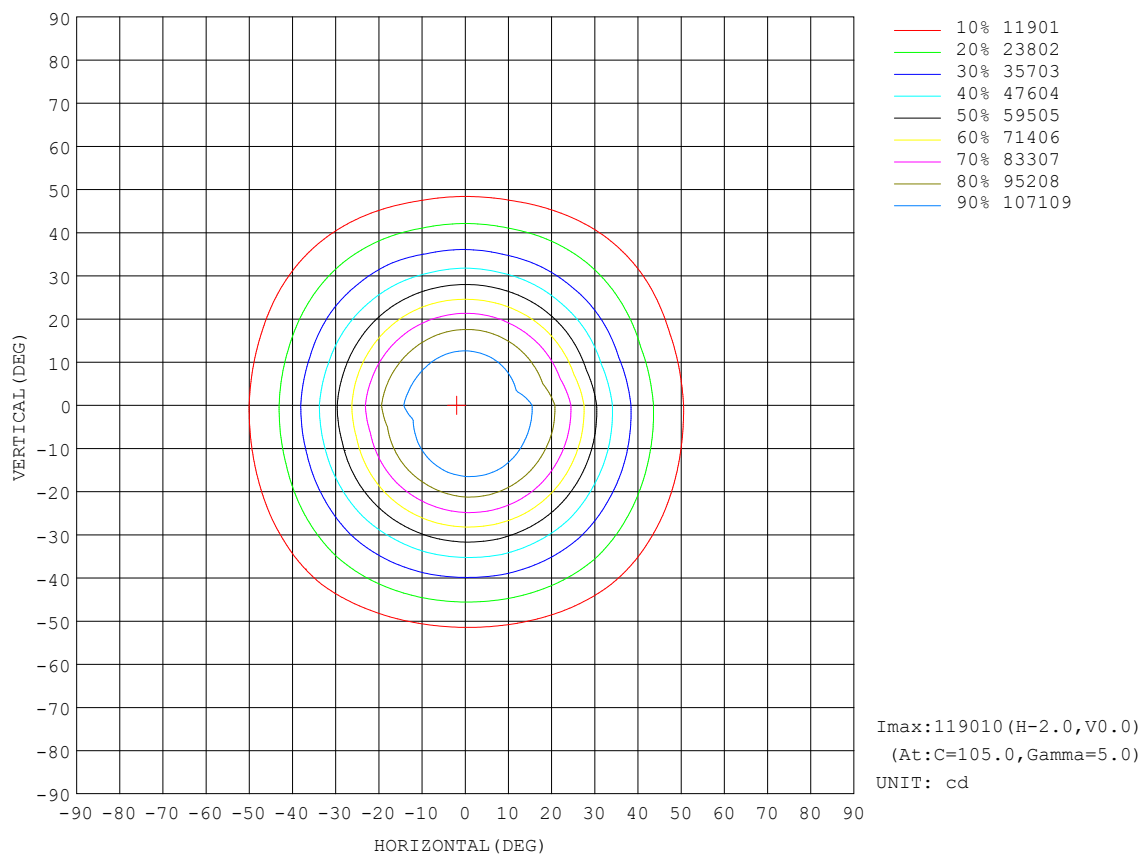
one-half-peak spread: U:26.3,D:28.1 , L:27.8,R:38.5 Beam Type: Type 6 x 5 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-14

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:16.500m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.0V I:3.720A P:792.3W PF:0.9970 Lamp Flux:131834x1 lm		
NAME: ST 800 STD CR 30 50 8 060	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

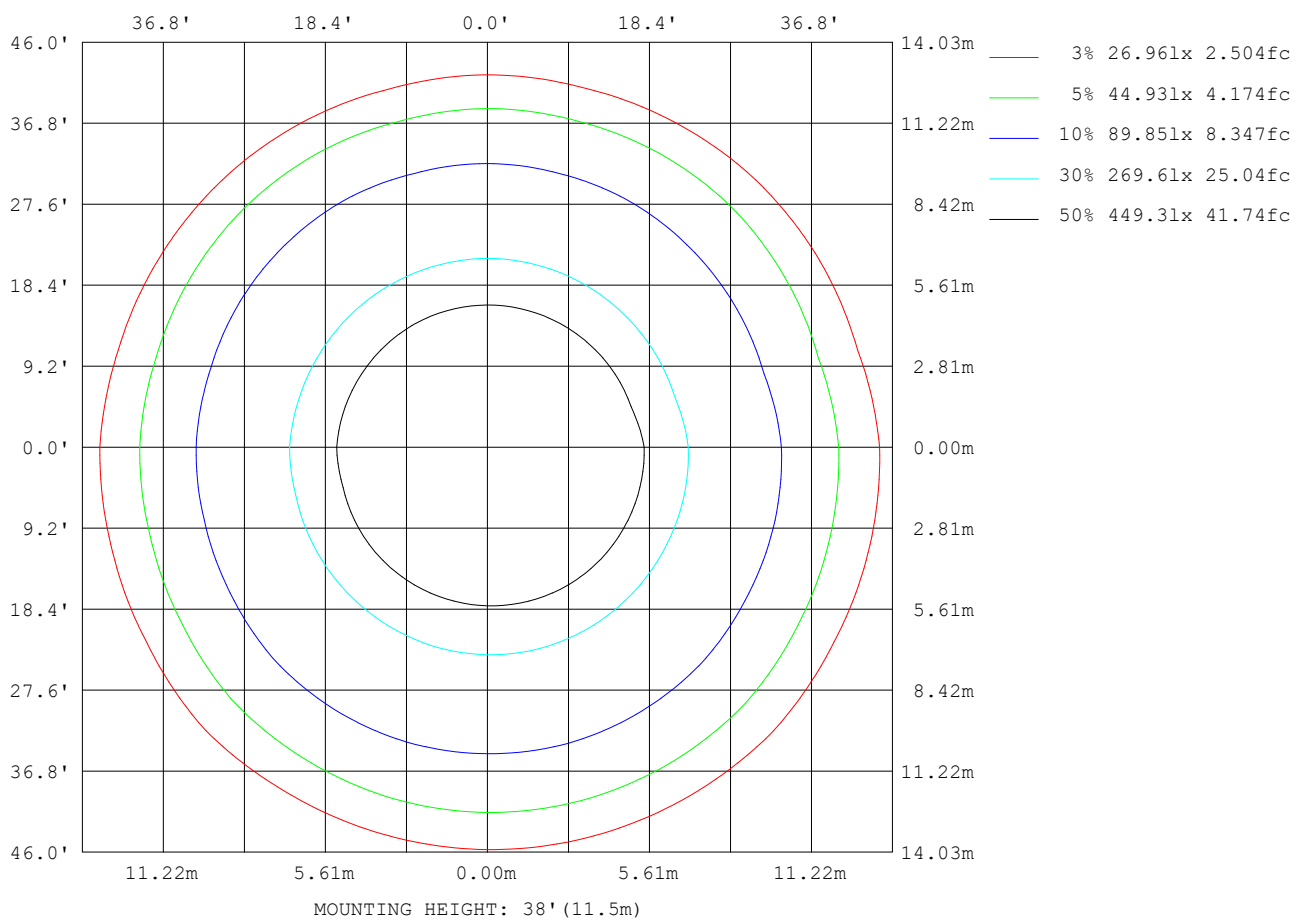


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Operators:
Test Date:2025-06-14

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V(B) Interval: 0.5DEG
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ISOLUX DIAGRAM

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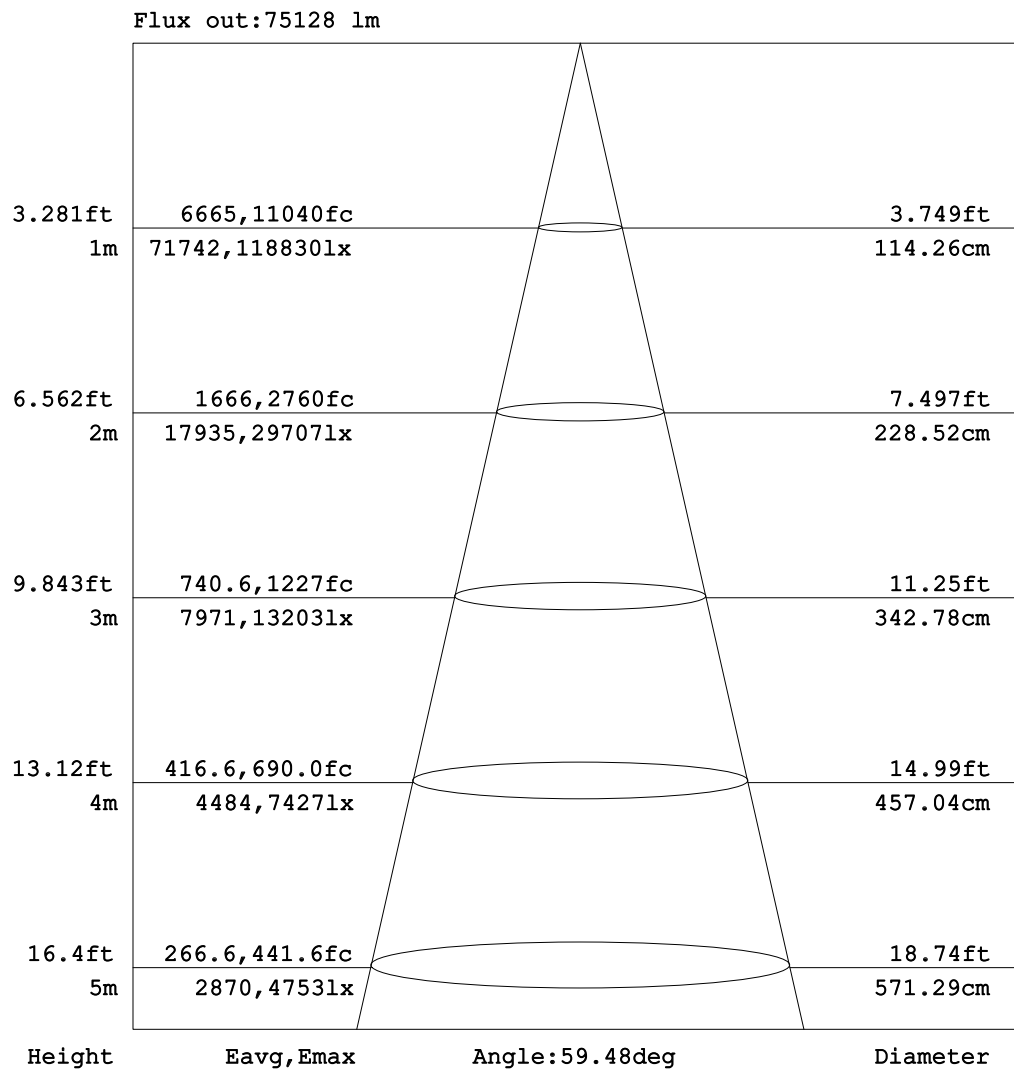


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Humidity:65.0%
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Remarks:

AAI Figure

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NAME: ST 800 STD CR 30 50 8 060	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

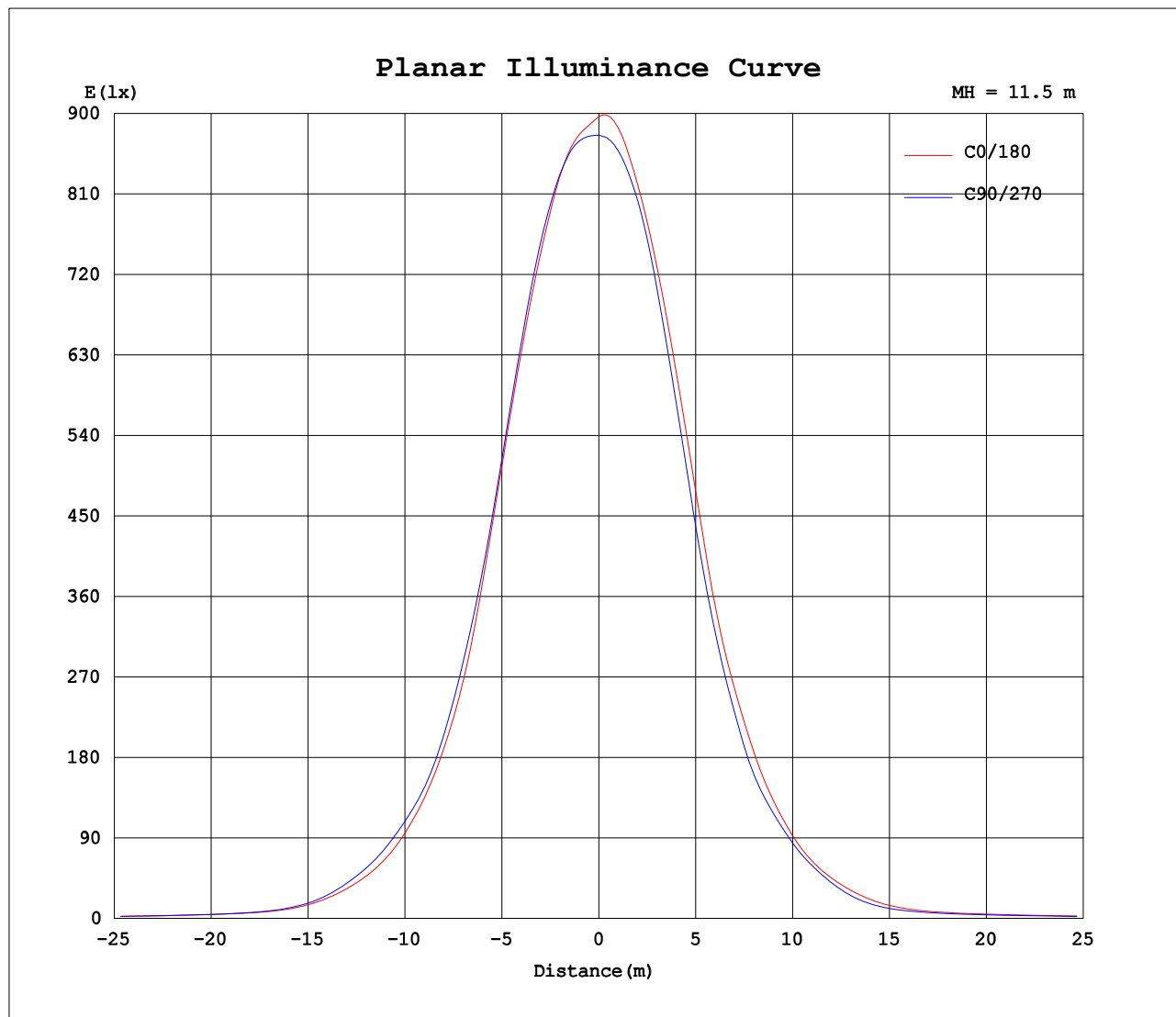


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-14

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:16.500m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
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V(B) Range:-90 - 90DEG
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Humidity:65.0%
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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.0V I:3.720A P:792.3W PF:0.9970 Lamp Flux:131834x1 lm									
NAME: ST 800 STD CR 30 50 8 060					TYPE:				
DIM.:					SPEC.:				
MFR.:					SUR.:				
					PROTECTION ANGLE:				

Table--1

UNIT: ×100cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.34	0.36	0.38	0.40	0.43	0.46	0.49	0.51	0.52	0.54	0.59	0.64	0.70	0.77	0.84	0.91	0.95	0.98	1.02
-85	0.34	0.82	1.44	2.26	2.93	3.64	4.37	4.58	4.68	4.68	5.16	5.58	5.90	6.52	7.23	7.98	7.78	7.45	7.03
-80	0.34	1.27	2.70	4.41	5.96	7.50	8.87	9.38	9.75	10.1	10.8	11.6	12.3	13.6	14.8	15.9	16.6	17.1	17.4
-75	0.34	1.83	4.11	6.68	9.46	11.6	12.7	13.9	15.8	18.4	20.4	21.2	21.1	21.9	22.7	23.3	23.5	23.5	23.4
-70	0.34	2.44	5.55	9.52	13.1	15.0	17.5	20.7	24.4	29.2	31.9	31.2	28.4	28.1	29.4	30.6	32.4	34.5	36.4
-65	0.34	3.04	7.03	12.5	15.8	18.8	22.4	25.9	31.5	39.1	43.1	39.3	34.3	32.7	34.5	36.0	38.9	42.2	45.2
-60	0.34	3.67	8.57	14.5	18.2	22.7	25.9	29.1	36.3	44.3	49.4	44.1	39.7	37.7	39.9	42.1	44.7	47.3	49.3
-55	0.34	4.26	10.2	16.0	21.3	25.5	28.5	30.7	38.2	45.0	50.7	48.4	45.9	45.6	51.4	58.2	64.7	69.3	71.4
-50	0.34	4.84	11.4	17.7	23.9	27.9	30.8	33.5	38.6	45.1	51.2	53.8	57.2	71.3	92.5	113	131	143	148
-45	0.34	5.38	12.4	19.6	25.7	29.8	33.3	36.3	39.0	46.6	54.8	67.4	100	138	174	206	229	244	250
-40	0.34	5.88	13.2	21.3	27.3	31.6	36.1	39.0	42.2	52.3	72.5	119	169	217	263	303	332	349	355
-35	0.34	6.32	14.0	22.7	28.7	33.6	38.7	41.6	48.1	67.9	113	173	236	299	353	399	441	471	484
-30	0.34	6.69	14.9	23.7	29.9	36.0	40.9	44.6	56.8	93.7	155	225	304	378	449	523	590	635	653
-25	0.34	6.99	15.7	24.5	31.0	38.9	43.1	48.2	69.1	123	194	278	369	465	565	666	748	803	828
-20	0.34	7.23	16.5	25.1	31.9	41.9	45.4	52.9	83.5	150	231	328	434	554	683	803	894	958	989
-15	0.34	7.39	17.1	25.6	32.9	44.6	47.4	57.4	98.2	172	261	371	497	633	787	914	1009	1072	1098
-10	0.34	7.49	17.5	25.9	33.7	46.7	49.4	61.5	110	189	288	406	542	698	861	986	1075	1127	1150
-5	0.34	7.53	17.8	26.1	34.3	48.6	51.2	64.4	118	199	305	432	573	742	903	1019	1097	1143	1163
0	0.34	7.50	17.8	26.1	34.7	50.3	52.6	65.6	120	202	310	440	584	764	935	1057	1134	1182	1186
5	0.34	7.47	17.7	26.0	34.1	48.2	50.8	63.0	114	195	298	422	562	731	898	1021	1102	1145	1148
10	0.34	7.37	17.3	25.7	33.3	45.9	48.7	59.0	103	181	275	388	520	668	828	954	1044	1095	1109
15	0.34	7.21	16.8	25.2	32.3	43.3	46.3	54.3	88.6	160	244	349	462	585	727	851	941	999	1020
20	0.34	7.00	16.1	24.6	31.2	40.2	43.9	49.6	72.9	135	210	302	396	498	606	716	802	856	877
25	0.34	6.72	15.4	23.8	30.0	36.9	41.1	45.4	59.5	104	173	246	330	405	489	568	638	683	697
30	0.34	6.39	14.5	22.7	28.8	34.0	38.5	42.3	49.8	74.4	130	193	259	326	382	437	484	518	530
35	0.34	6.01	13.5	21.5	27.4	31.7	36.1	39.6	43.6	54.5	84.2	138	192	244	295	332	356	374	381
40	0.34	5.55	12.6	19.8	25.9	30.0	33.7	37.0	39.4	46.2	57.5	79.6	125	167	205	236	258	275	281
45	0.34	5.02	11.6	18.1	24.2	28.2	31.4	34.2	37.2	43.9	50.8	57.1	65.9	92.4	121	146	165	178	184
50	0.34	4.46	10.3	16.6	21.9	26.2	29.2	31.6	37.1	43.7	49.5	50.6	49.2	51.6	60.3	72.2	82.3	90.0	93.2
55	0.34	3.88	8.85	15.0	18.9	23.8	26.8	29.0	36.5	44.5	50.1	46.3	42.0	39.0	41.6	44.2	47.5	51.0	53.4
60	0.34	3.30	7.32	13.2	16.4	20.3	24.0	26.9	32.6	41.4	49.1	43.0	36.9	33.8	35.3	36.7	39.0	41.9	44.4
65	0.34	2.71	5.99	10.5	14.2	16.2	19.7	23.1	27.2	33.1	37.3	36.0	31.8	29.6	30.8	31.8	34.3	37.3	40.1
70	0.34	2.12	4.61	7.44	11.1	12.9	14.3	16.8	19.7	23.2	25.9	26.3	25.1	24.9	25.4	25.9	26.4	26.8	26.9
75	0.34	1.53	3.28	5.16	7.22	9.29	10.3	11.1	12.1	13.1	14.7	16.1	16.7	17.9	18.9	19.6	19.5	19.2	18.8
80	0.34	1.01	2.04	3.15	4.23	5.41	6.55	7.06	7.37	7.61	8.20	8.69	9.09	10.2	11.4	12.3	12.1	11.8	11.4
85	0.34	0.68	0.92	1.31	1.70	2.00	2.35	2.56	2.65	2.65	2.98	3.27	3.53	3.73	3.86	3.93	4.00	4.02	4.00
90	0.34	0.35	0.36	0.37	0.38	0.39	0.40	0.40	0.40	0.40	0.40	0.40	0.41	0.41	0.41	0.41	0.41	0.41	0.40

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-14

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:16.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.0V I:3.720A P:792.3W PF:0.9970 Lamp Flux:131834x1 lm																		
NAME: ST 800 STD CR 30 50 8 060									TYPE:					WEIGHT:				
DIM.:									SPEC.:					SERIAL No.:				
MFR.:									SUR.:					PROTECTION ANGLE:				

Table--2

UNIT: ×100cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	1.01	1.00	0.99	0.96	0.92	0.89	0.87	0.85	0.83	0.90	0.98	1.06	1.09	1.12	1.15	1.07	0.99	0.92	
-85	7.59	8.06	8.38	7.62	6.91	6.31	6.07	5.72	5.31	5.36	5.29	5.11	4.40	3.73	3.08	2.28	1.56	0.92	
-80	17.2	16.9	16.3	15.2	14.0	12.8	12.1	11.3	10.6	10.5	10.3	9.95	8.51	6.78	5.16	3.56	2.12	0.92	
-75	23.6	23.7	23.6	23.0	22.2	21.4	21.3	20.4	18.4	16.4	15.0	13.8	12.4	10.5	7.60	4.93	2.72	0.92	
-70	34.5	32.5	30.8	29.7	28.5	28.5	30.3	31.0	28.9	24.6	21.4	18.6	15.7	13.6	10.6	6.37	3.34	0.92	
-65	42.2	39.0	36.1	34.6	33.0	33.9	37.8	40.4	36.5	30.6	26.1	22.9	19.5	16.1	13.0	7.89	3.94	0.92	
-60	47.3	44.7	42.1	40.1	37.9	38.8	41.6	45.1	41.7	34.9	28.9	25.9	22.8	18.7	14.7	9.48	4.56	0.92	
-55	69.6	65.2	58.8	51.8	46.0	45.3	46.1	47.1	42.1	36.8	30.7	28.1	25.2	21.5	16.2	10.8	5.14	0.92	
-50	145	134	118	96.4	73.5	57.1	52.3	49.0	43.1	37.6	33.1	30.1	27.0	23.4	17.9	11.8	5.69	0.92	
-45	246	233	211	182	146	105	67.5	53.4	45.3	38.5	35.6	32.4	28.7	24.8	19.6	12.7	6.19	0.92	
-40	351	336	308	270	226	178	125	73.5	51.0	41.5	37.9	34.7	30.2	26.1	21.1	13.6	6.64	0.92	
-35	478	451	407	360	307	246	184	120	68.4	47.0	40.3	36.9	32.0	27.2	22.1	14.4	7.05	0.92	
-30	643	605	542	466	388	315	237	166	99.0	55.9	43.2	38.7	34.0	28.1	22.9	15.3	7.41	0.92	
-25	817	770	694	590	483	381	291	206	133	70.4	46.9	40.4	36.1	28.9	23.5	16.0	7.70	0.92	
-20	976	926	842	722	581	450	342	243	162	88.1	51.7	42.2	37.9	29.7	24.0	16.6	7.92	0.92	
-15	1088	1043	957	836	678	517	387	277	184	105	56.4	43.9	39.5	30.5	24.3	17.1	8.07	0.92	
-10	1144	1107	1033	917	755	571	424	302	200	119	61.0	45.4	40.7	31.2	24.5	17.4	8.16	0.92	
-5	1165	1137	1070	962	802	605	445	316	209	126	64.2	46.7	41.6	31.6	24.6	17.5	8.18	0.92	
0	1173	1147	1080	973	814	611	449	318	210	128	65.4	47.5	42.4	31.7	24.5	17.5	8.14	0.92	
5	1127	1087	1014	906	755	570	422	301	200	120	62.7	46.0	41.0	31.3	24.4	17.4	8.09	0.92	
10	1091	1044	959	838	679	514	380	273	183	108	58.4	44.1	39.4	30.5	24.1	17.1	7.99	0.92	
15	1003	948	857	738	590	456	338	241	161	91.9	53.1	41.9	37.6	29.6	23.7	16.7	7.83	0.92	
20	860	805	722	612	495	385	293	209	136	74.9	47.8	39.5	35.6	28.6	23.2	16.1	7.61	0.92	
25	683	639	571	486	395	318	243	174	108	60.3	43.1	36.9	33.3	27.6	22.6	15.4	7.34	0.92	
30	518	484	432	371	315	255	194	133	77.2	49.1	39.4	34.7	31.1	26.6	21.8	14.6	7.01	0.92	
35	372	351	325	288	242	194	142	87.8	55.1	41.8	36.5	32.8	29.2	25.5	20.6	13.7	6.63	0.92	
40	274	258	235	206	170	129	82.4	56.2	44.7	37.1	34.0	31.0	27.7	24.2	19.1	12.8	6.21	0.92	
45	179	166	148	123	95.0	66.9	53.3	48.3	41.7	34.7	31.7	29.1	26.2	22.7	17.4	11.8	5.74	0.92	
50	90.2	82.6	72.8	61.5	52.1	47.4	48.3	47.2	41.4	34.7	29.4	27.2	24.5	20.9	16.0	10.6	5.23	0.92	
55	50.9	47.3	44.0	41.3	38.6	40.9	44.7	48.0	42.0	34.4	27.2	25.2	22.3	18.1	14.6	9.25	4.68	0.92	
60	41.7	38.7	36.3	34.9	33.4	36.2	41.3	46.3	40.3	31.9	25.5	22.5	19.3	15.7	13.0	7.80	4.10	0.92	
65	37.2	34.1	31.5	30.5	29.3	31.2	35.6	37.9	33.1	26.4	22.0	18.7	15.5	13.6	10.7	6.51	3.48	0.92	
70	26.6	26.1	25.5	24.9	24.4	24.7	26.1	25.8	23.6	19.5	16.3	13.8	12.3	11.0	7.83	5.21	2.89	0.92	
75	19.0	19.2	19.1	18.7	17.9	17.1	16.6	15.2	13.4	12.0	10.7	9.76	9.11	7.42	5.63	3.89	2.30	0.92	
80	11.8	12.1	12.4	11.6	10.6	9.40	8.77	8.02	7.17	6.90	6.70	6.38	5.53	4.57	3.57	2.62	1.74	0.92	
85	3.92	3.79	3.61	3.53	3.40	3.22	2.99	2.75	2.51	2.64	2.67	2.63	2.37	2.09	1.78	1.51	1.25	0.92	
90	0.41	0.41	0.41	0.41	0.40	0.40	0.40	0.40	0.41	0.40	0.40	0.39	0.41	0.43	0.45	0.61	0.76	0.92	

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-14

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:16.500m [K=1.0000]
Remarks: