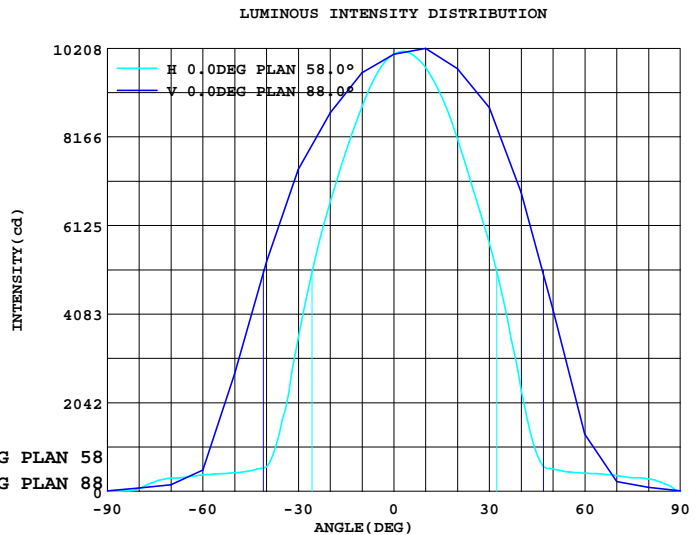
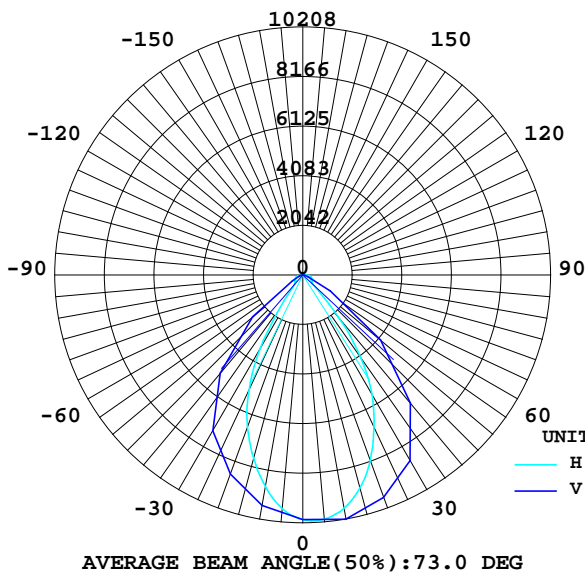


LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: LITIAN	Address:	
NAME: LT-T-115A-100W-60X90度	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

MODEL:	3030				
NOMINAL POWER(W):	98	Imax(cd):	10208	Voltage(V)	219.6
RATED VOLTAGE(V):	220	AVAILABILITY(%):	92.1	Current(A)	0.452
NOMINAL FLUX(lm):	13017	Avai. FLUX(lm):	11995	Power(W)	97.79
TEST FLUX(lm):	13017	EFFICIENCY(%):	100.0	Power Factor(PF)	0.984
LAMPS QUANTITY :	1	TOTAL FLUX(lm):	13017	EFFICIENCY(lm/W)	133.1
Effective Flux(lm) :	11995.1	θ @50%(H, V):	56.5,88.0DEG	EEl:	0.111



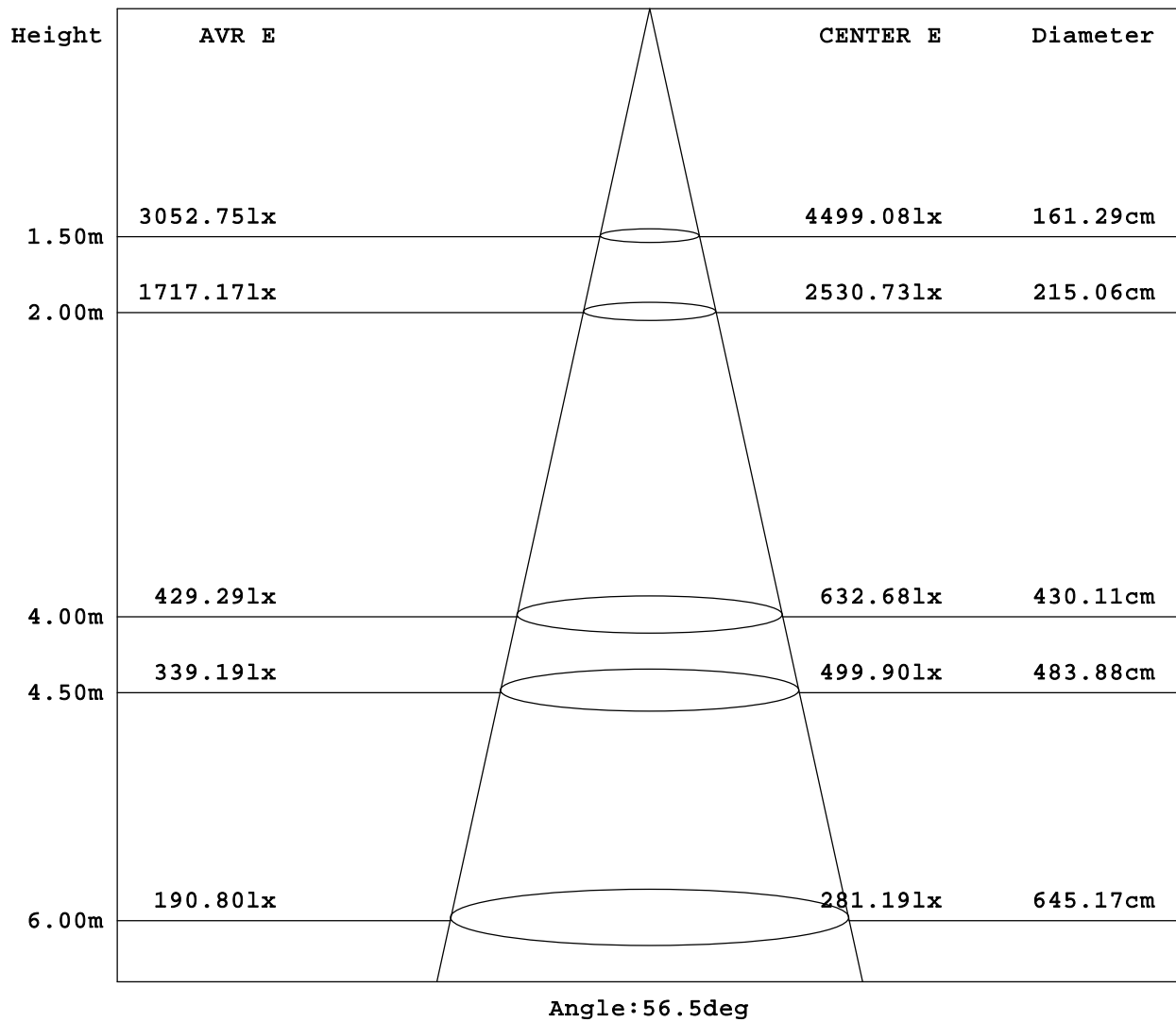
Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年08月03日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.500 m
 Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: LITIAN	Address:	
NAME: LT-T-115A-100W-60X90度	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System: HOP00 HPG1900
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017年08月03日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity: 65.0%
 Test Distance: 10.500 m
 Remarks:

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: LITIAN	Address:					
NAME: LT-T-115A-100W-60X90度	TYPE:			WEIGHT:		
SPECIFICATION:	DIMENSION:			SERIAL No.:		

		AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a				
		0.00	0.00	0.01	0.01	0.01	0.05	0.18	0.30	0.34	0.35	0.37	0.37	0.25	0.08	0.01	0.00	0.00	0.00	2.34	0.00						
VERTICAL (DEG)	90	0.00	0.03	0.41	1.26	2.27	2.97	3.63	4.25	4.25	3.97	4.23	4.04	3.30	2.58	2.09	1.46	0.65	0.03	41.4	0.00						
	80	0.00	0.53	2.14	3.21	3.71	4.34	5.42	6.93	8.36	8.63	7.46	5.78	4.43	3.61	2.91	2.18	1.08	0.07	70.8	0.00						
	70	0.02	0.69	3.06	4.71	5.52	6.24	8.98	19.3	44.3	58.5	38.6	14.8	7.31	5.25	4.38	3.25	1.73	0.34	227	134						
	60	0.07	1.92	4.36	6.21	7.60	11.2	34.3	99.8	158	161	110	44.2	12.5	7.75	6.19	4.26	1.91	0.16	673	594						
	50	0.02	1.38	4.45	7.17	9.49	15.0	54.5	145	227	255	217	130	43.9	11.5	7.34	5.09	2.63	0.55	1137	1066						
	40	0.19	2.49	4.90	7.46	10.9	38.6	142	240	293	285	225	133	42.7	11.6	7.63	4.97	2.34	0.24	1453	1389						
	30	0.02	1.64	4.51	7.57	10.6	27.8	121	216	289	312	280	205	107	21.1	8.29	5.41	2.73	0.69	1620	1561						
		0.25	2.42	4.85	7.59	12.2	81.1	185	264	313	305	246	162	64.7	11.6	7.91	5.04	2.37	0.26	1674	1619						
		0.02	1.56	4.12	6.79	9.61	34.8	136	222	286	306	275	204	121	27.6	7.97	5.16	2.61	0.69	1650	1598						
		0.21	2.11	4.09	6.16	12.7	79.3	174	246	284	275	226	149	52.0	8.41	6.61	4.41	2.21	0.24	1533	1484						
	-30	0.01	1.19	3.42	5.27	6.50	17.0	96.0	182	237	252	226	163	81.1	17.7	5.90	4.06	2.22	0.57	1302	1257						
	-40	0.11	1.53	3.21	4.73	7.55	34.8	103	167	203	195	147	73.9	13.4	4.94	5.02	3.46	1.80	0.14	970	923						
	-50	0.01	0.49	2.20	3.55	4.20	2.61	16.3	69.0	115	129	105	58.2	18.6	6.28	4.05	2.96	1.64	0.36	540	491						
	-60	0.03	0.61	1.64	2.63	3.90	5.57	7.88	24.2	41.8	34.9	15.8	3.96	2.16	3.48	2.90	1.93	0.92	0.05	155	91.1						
	-70	0.01	0.07	0.84	1.95	2.97	3.44	1.94	1.06	1.34	1.69	1.68	2.60	4.08	3.45	2.36	1.39	0.69	0.16	31.7	0.00						
	-80	0.00	0.07	0.41	1.25	1.93	2.73	3.38	2.70	1.36	1.21	2.09	2.85	2.67	2.12	1.53	0.86	0.30	0.00	27.5	0.00						
-90	0.00	0.00	0.00	0.08	0.29	0.66	0.96	1.18	1.21	1.12	1.21	1.24	1.03	0.97	0.74	0.38	0.04	0.00	11.1	0.00							
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)										20	30	40	50	60	70	80	90
Φ t	0.97	18.7	48.6	77.6	112	369	1095	1911	2507	2587	2128	1359	582	150	83.8	56.3	27.9	4.54	13017								
Φ a	0.00	0.00	0.00	0.00	1.89	278	1046	1867	2481	2563	2099	1316	513	40.9	0.00	0.00	0.00	0.00		11995							

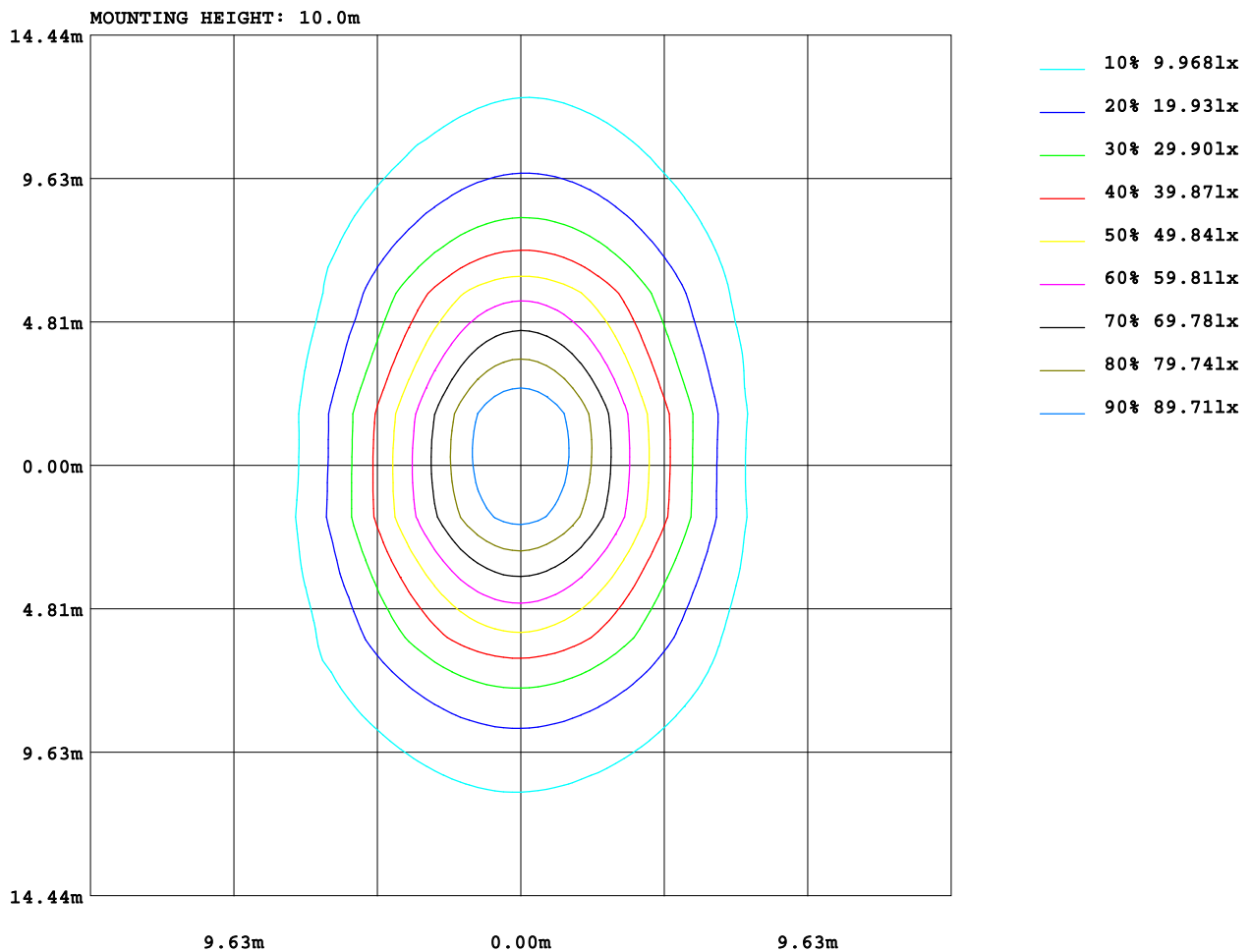
Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年08月03日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.500 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: LITIAN	Address:	
NAME: LT-T-115A-100W-60X90度	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



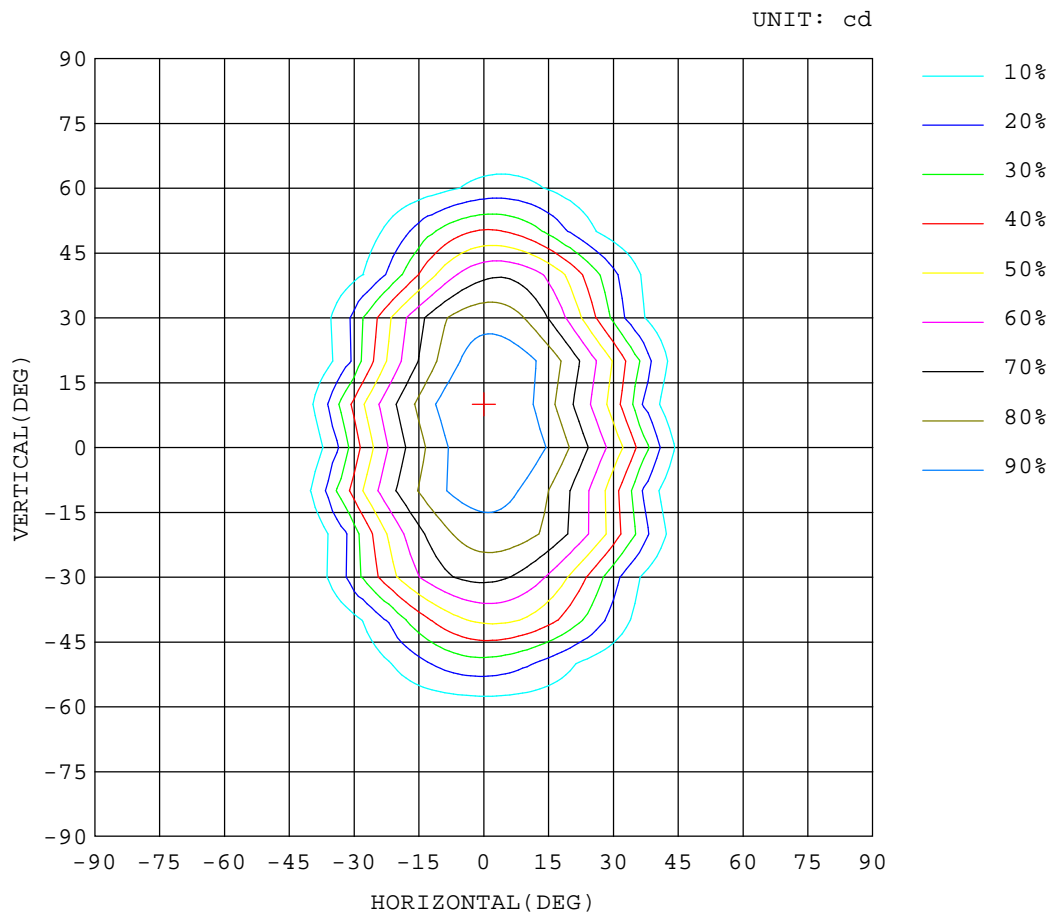
Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2017年08月03日

Test Set: 5.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: LITIAN	Address:	
NAME: LT-T-115A-100W-60X90度	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2017年08月03日

Test Set: 5.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: LITIAN	Address:	
NAME: LT-T-115A-100W-60X90度	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	1003	992.4	987.9	979.6	982.9	998.0	1016	1012	0- 5	239.8	239.8
10.0	959.8	955.0	963.6	930.7	914.5	960.8	1019	993.6	5- 10	699.9	939.8
15.0	883.2	901.1	919.8	866.4	816.6	897.5	999.5	953.3	10- 15	1106	2045
20.0	777.6	824.1	876.1	778.9	702.5	806.2	979.7	884.7	15- 20	1426	3471
25.0	658.9	737.9	808.8	683.8	574.7	705.9	930.3	801.3	20- 25	1641	5113
30.0	529.7	627.1	741.6	566.0	411.4	582.0	880.9	690.7	25- 30	1723	6836
35.0	366.7	493.1	637.1	427.2	194.6	428.1	789.7	557.8	30- 35	1645	8481
40.0	182.6	350.9	532.6	288.3	74.93	287.5	698.5	411.0	35- 40	1388	9869
45.0	60.88	208.4	401.6	151.7	50.00	138.8	555.7	258.6	40- 45	1049	10918
50.0	48.86	96.17	270.7	61.01	43.79	65.55	412.9	135.1	45- 50	735.2	11653
55.0	43.80	48.85	160.2	34.27	40.90	42.91	274.8	66.20	50- 55	488.4	12142
60.0	41.37	27.42	49.85	22.97	38.71	30.90	136.7	35.63	55- 60	306.8	12449
65.0	39.39	20.95	32.60	19.12	34.68	24.52	79.41	25.58	60- 65	189.1	12638
70.0	34.78	16.98	15.35	15.73	30.78	19.24	22.06	19.05	65- 70	139.4	12777
75.0	31.24	13.61	11.49	11.74	26.41	14.41	15.58	14.64	70- 75	103.6	12881
80.0	27.52	9.515	7.629	7.279	10.78	10.04	9.117	10.46	75- 80	77.38	12958
85.0	13.68	5.148	4.288	3.332	0.838	5.252	5.143	5.835	80- 85	44.61	13003
90.0	0.265	0.353	0.948	0.121	0.595	0.044	1.168	0.507	85- 90	14.43	13017
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm	

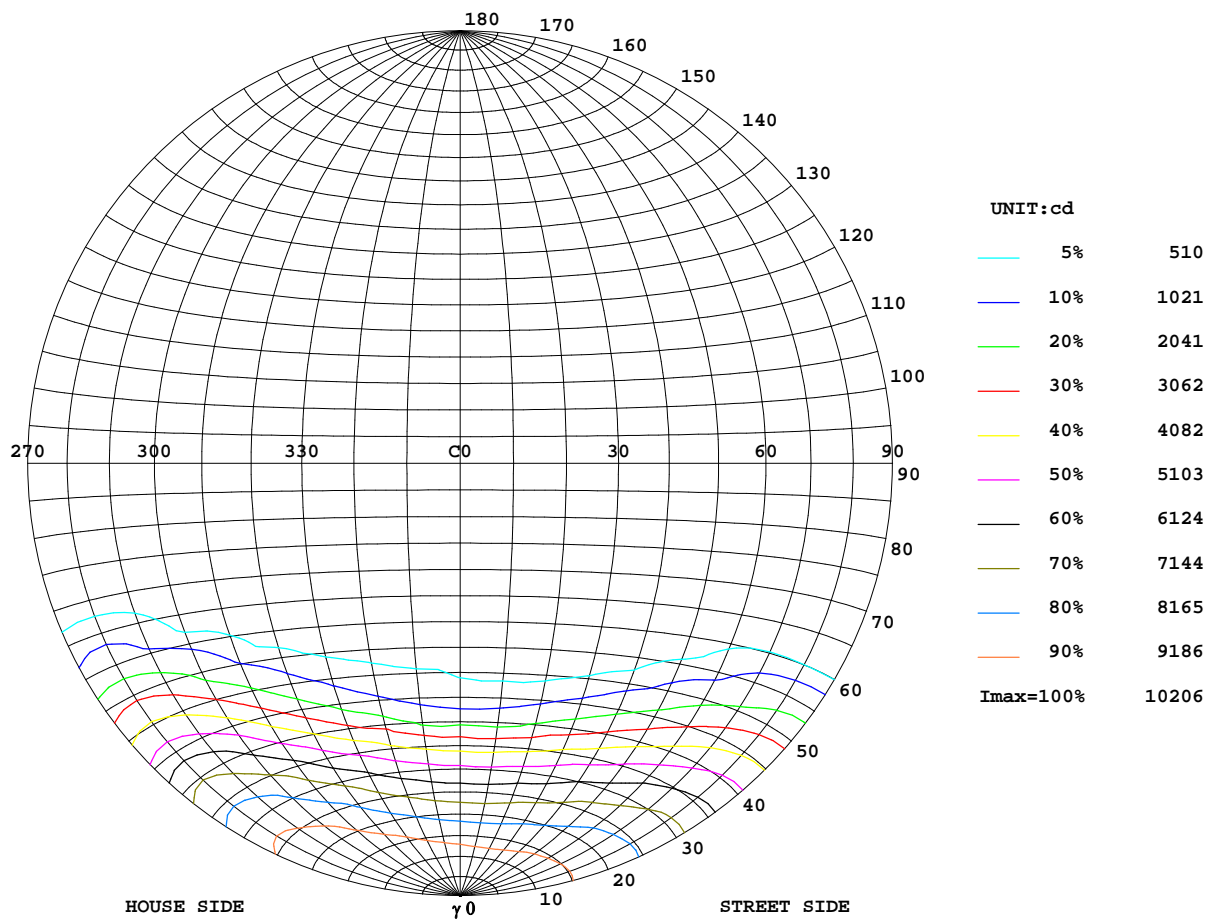
Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年08月03日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.500 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: LITIAN	Address:	
NAME: LT-T-115A-100W-60X90度	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2017年08月03日

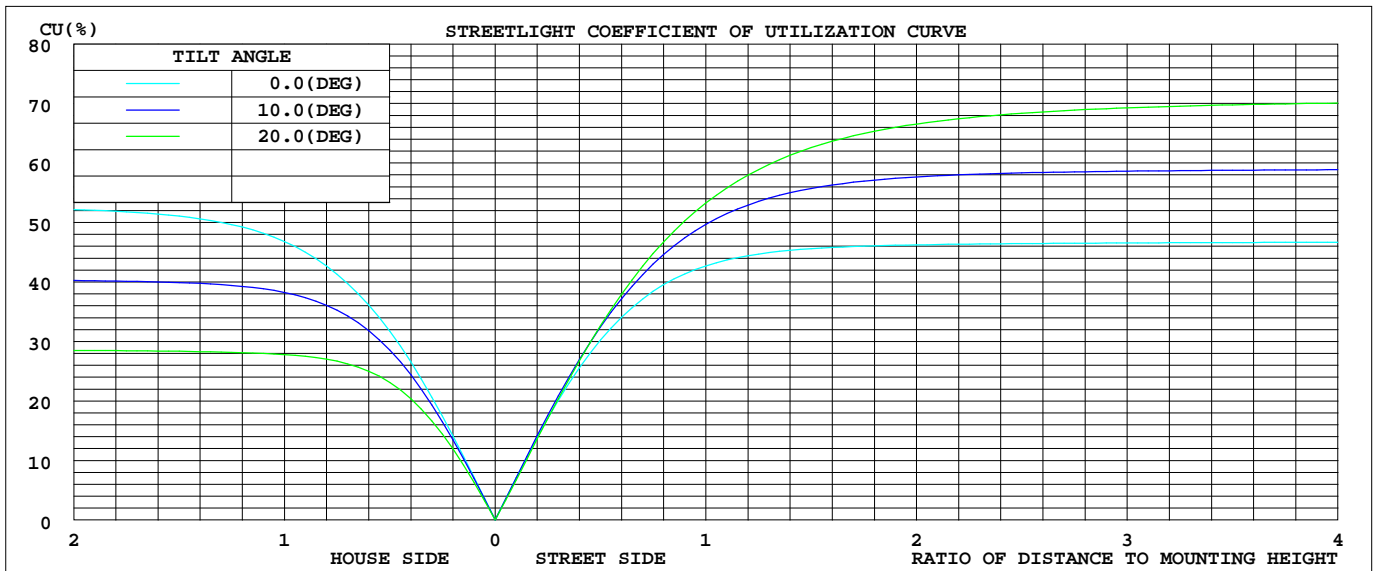
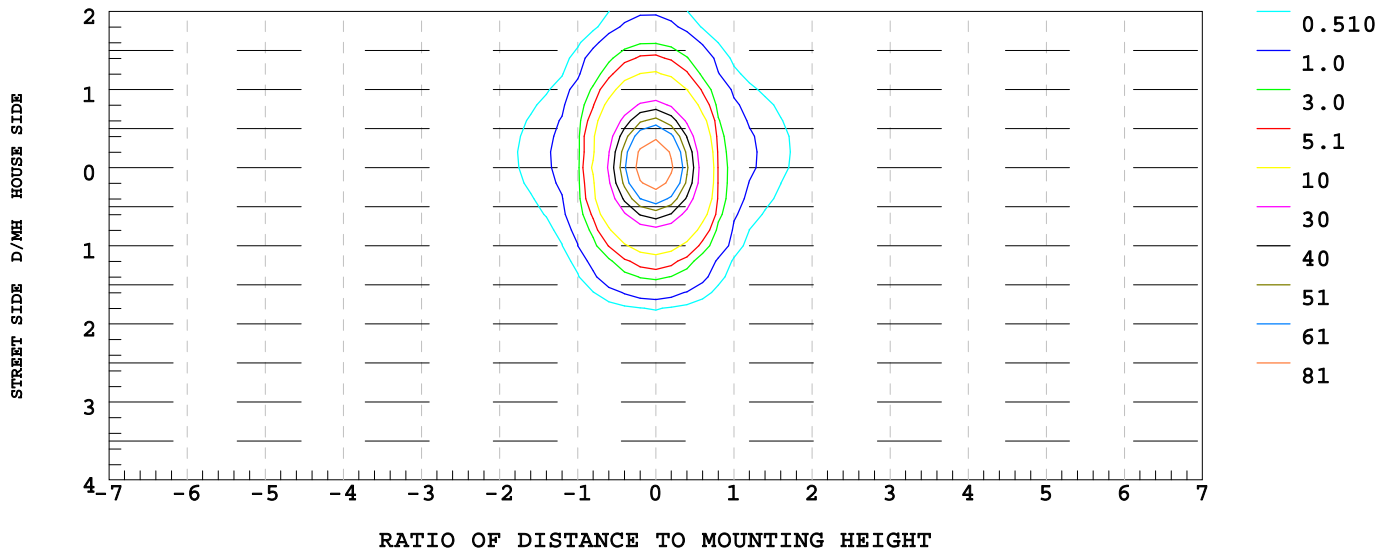
Test Set: 5.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: LITIAN	Address:	
NAME: LT-T-115A-100W-60X90度	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 101.23 lx



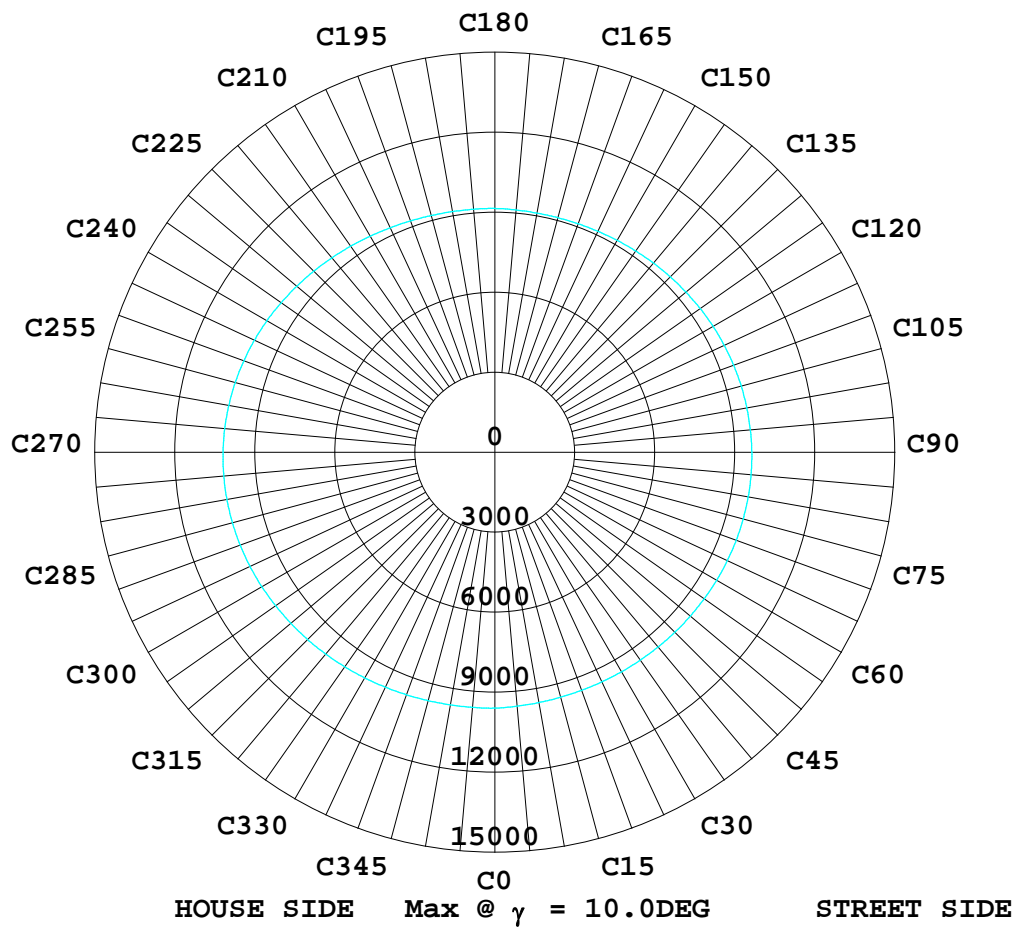
Test System:HOP00 HPG1900
 Temperature:25.3DEG
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Test Set: 5.0deg/s B-Beta (TYPE B)
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ISOCANDELA DIAGRAM

Report number:

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NAME: LT-T-115A-100W-60X90度	TYPE:	WEIGHT:
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