

LEDWISE TECHNOLOGY LIMITED TEST REPORT

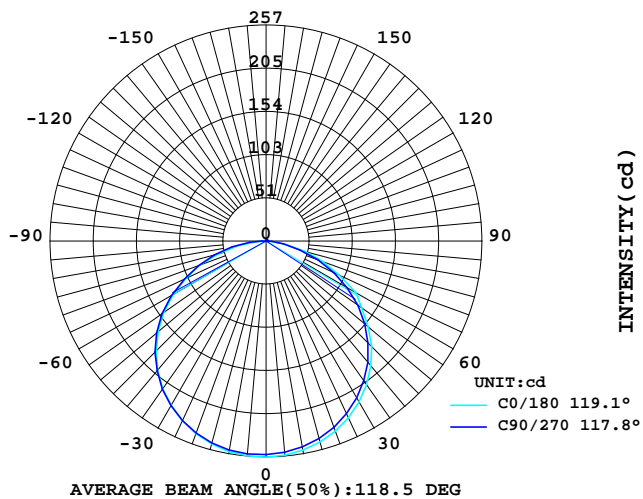
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

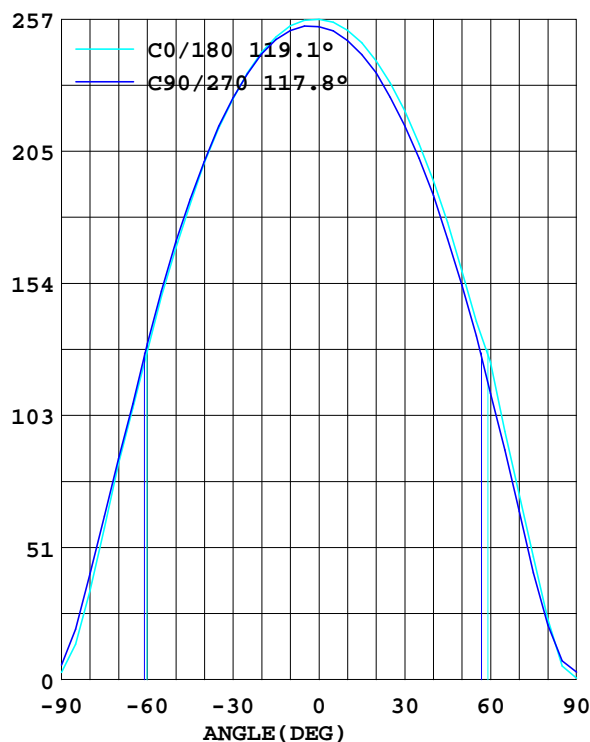
MANUFACTURER: LEDWISE	Address:	
NAME: LTR-P-24V-4.5W-40K-16	TYPE: 软光条	WEIGHT:
SPECIFICATION: 4000K	DIMENSION: 10MM*0.6M	SERIAL No.: 1

DATA OF LAMP		I _{max} (cd)	256.9	S/MH(C0/180)	1.31
MODEL	2835	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.32
NOMINAL POWER(W)	9	TOTAL FLUX(lm)	782.00	Voltage(V)	24.00
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	88.5	Current(A)	0.368
NOMINAL FLUX(lm)	782.0	η up(%)	1.0	Power(W)	8.832
LAMPS QUANTITY	1	η down(%)	99.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	762.9	EEI	0.143

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System: HOP00 HPG1800
Temperature: 25.3 DEG
Operators:
Test Date: 2019年11月15日

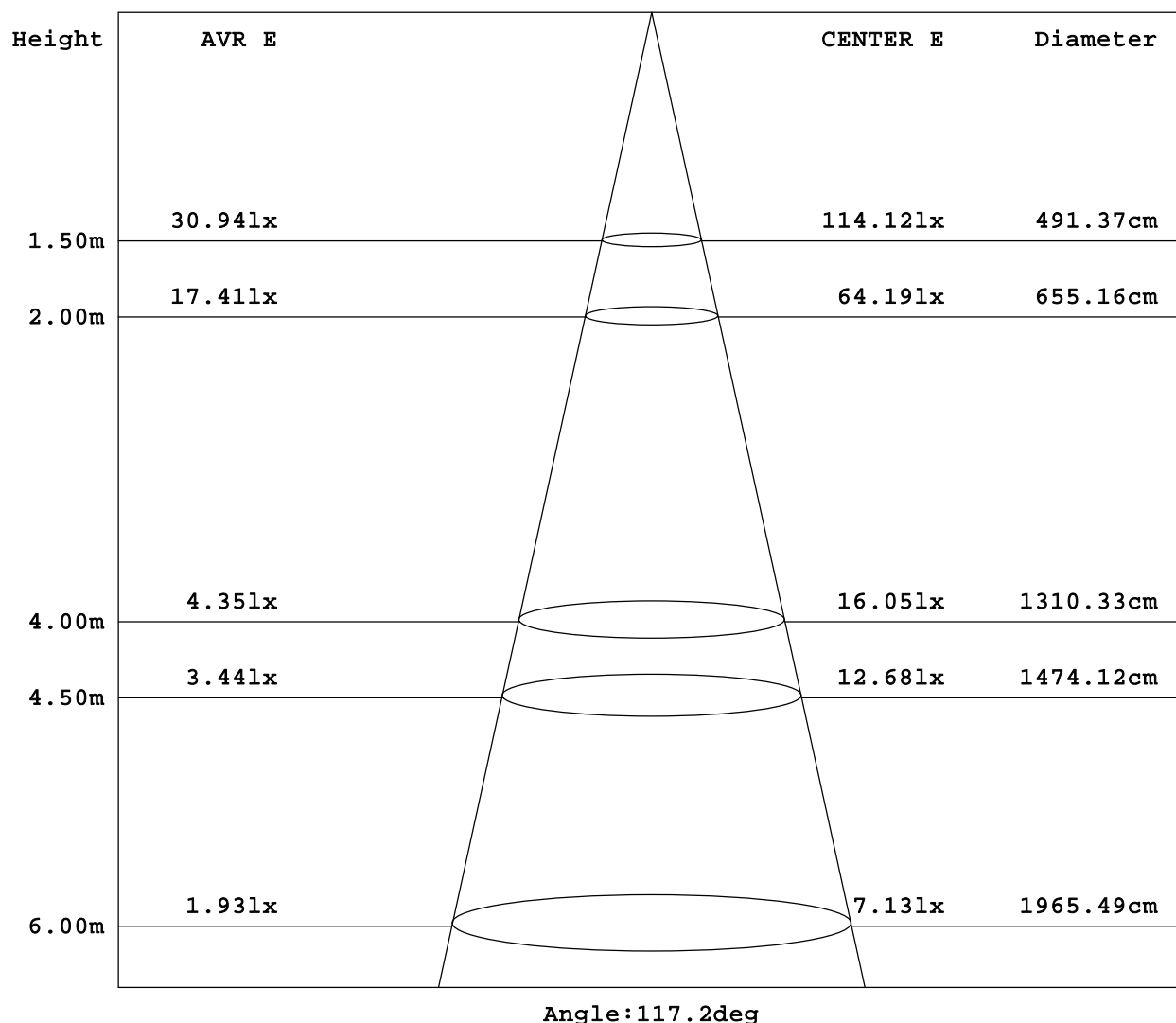
Test Set: 10.0 deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 6.220 m
Remarks:

LEDWISE TECHNOLOGY LIMITED TEST REPORT

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: LEDWISE	Address:	
NAME: LTR-P-24V-4.5W-40K	TYPE: 软光条	WEIGHT:
SPECIFICATION: 4000K	DIMENSION: 10MM*0.6M	SERIAL No.: 1



Test System: HOP00 HPG1800
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019年11月15日

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 6.220 m
 Remarks:

LEDWISE TECHNOLOGY LIMITED TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: LEDWISE	Address:	
NAME: LTR-P-24V-4.5W-40K	TYPE: 软光条	WEIGHT:
SPECIFICATION: 4000K	DIMENSION: 10MM*0.6M	SERIAL No.: 1

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
10.0	254.1	253.9	252.4	254.7	252.5	250.4	248.4	251.6	0- 10	24.26	24.26
20.0	243.8	244.5	243.2	245.3	240.4	237.6	235.9	239.0	10- 20	70.00	94.26
30.0	225.8	227.4	226.2	228.1	221.2	217.4	215.3	218.9	20- 30	107.4	201.6
40.0	200.9	203.0	201.4	203.4	193.8	189.6	188.2	191.5	30- 40	131.7	333.4
50.0	167.7	171.0	170.1	171.3	158.8	154.1	153.2	156.2	40- 50	139.2	472.7
60.0	127.5	131.6	130.4	131.8	123.4	113.1	111.3	115.3	50- 60	128.3	601.0
70.0	83.91	87.26	85.77	87.26	71.88	67.08	65.38	69.29	60- 70	99.18	700.2
80.0	34.58	40.81	41.08	40.41	23.56	22.41	21.39	23.94	70- 80	56.97	757.2
90.0	2.746	6.035	5.687	5.764	0.580	2.321	2.979	2.069	80- 90	16.61	773.8
100.0	2.321	1.412	0.580	1.412	0.619	1.334	2.205	1.354	90-100	2.264	776.1
110.0	1.934	1.276	0.542	1.218	0.696	1.199	1.973	1.179	100-110	1.386	777.5
120.0	1.779	1.121	0.503	1.141	0.774	1.102	1.663	1.160	110-120	1.182	778.6
130.0	1.586	1.063	0.580	1.102	0.812	1.102	1.508	1.044	120-130	1.010	779.7
140.0	1.547	1.025	0.542	1.044	0.812	1.005	1.354	1.005	130-140	0.831	780.5
150.0	1.392	0.948	0.696	0.948	0.929	1.025	1.315	1.025	140-150	0.649	781.1
160.0	1.276	0.987	0.658	0.929	0.890	0.967	1.238	0.929	150-160	0.457	781.6
170.0	1.276	0.967	0.658	0.929	1.044	0.870	1.160	0.967	160-170	0.275	781.9
180.0	1.083	0.948	0.735	0.870	1.199	0.929	1.044	0.851	170-180	0.090	782.0
DEG	LUMINOUS INTENSITY: cd									UNIT: lm	

Test System: HOP00 HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2019年11月15日

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
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 Remarks:

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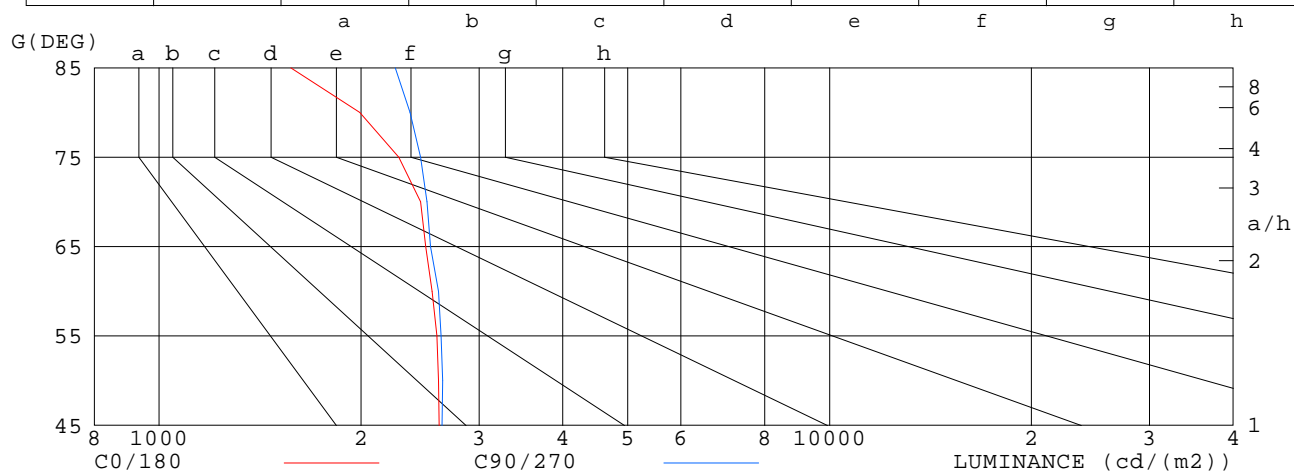
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: LEDWISE	Address:	
NAME: LTR-P-24V-4.5W-40K	TYPE:软光条	WEIGHT:
SPECIFICATION:4000K	DIMENSION: 10MM*0.6M	SERIAL No.:1

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1571	2251
80	1992	2366
75	2278	2453
70	2454	2508
65	2498	2539
60	2552	2609
55	2596	2633
50	2610	2647
45	2615	2642

Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年11月15日

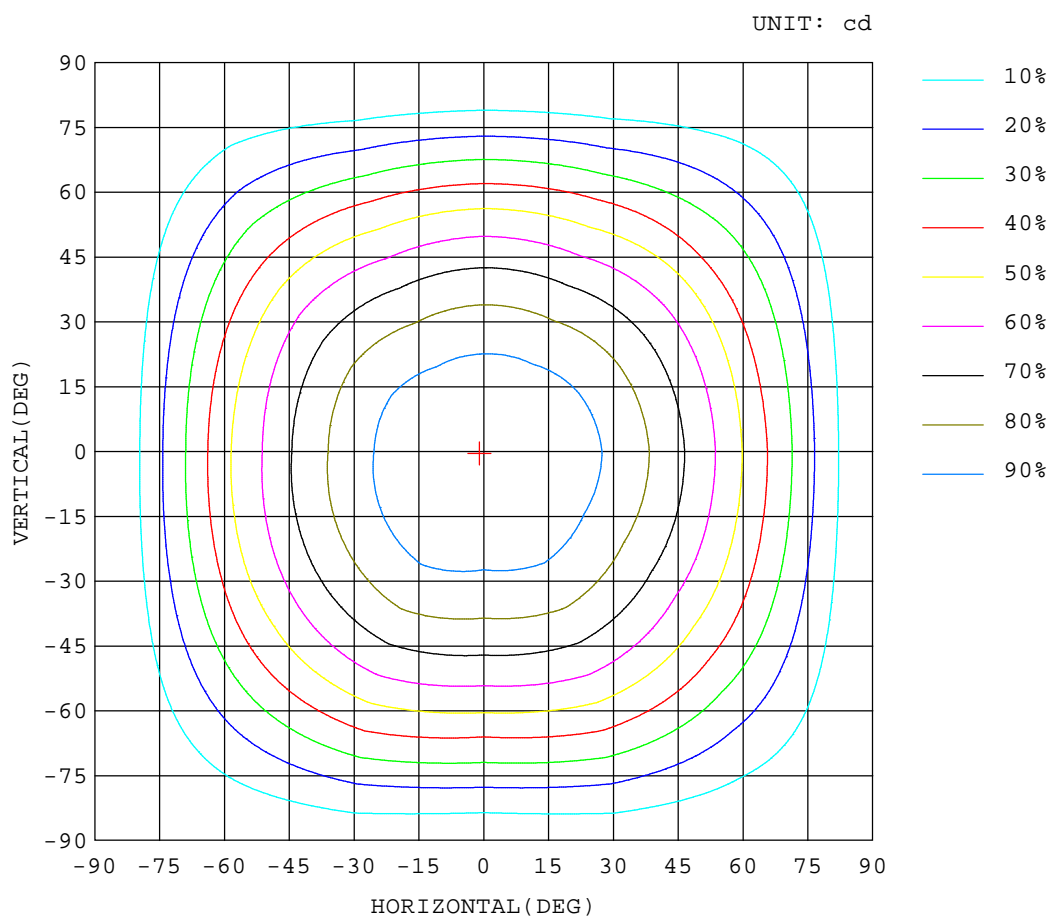
Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.220 m
Remarks:

LEDWISE TECHNOLOGY LIMITED TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: LEDWISE	Address:	
NAME: LTR-P-24V-4.5W-40K	TYPE: 软光条	WEIGHT:
SPECIFICATION: 4000K	DIMENSION: 10MM*0.6M	SERIAL No.: 1



Test System: HOP00 HPG1800
Temperature: 25.3 DEG
Operators:
Test Date: 2019年11月15日

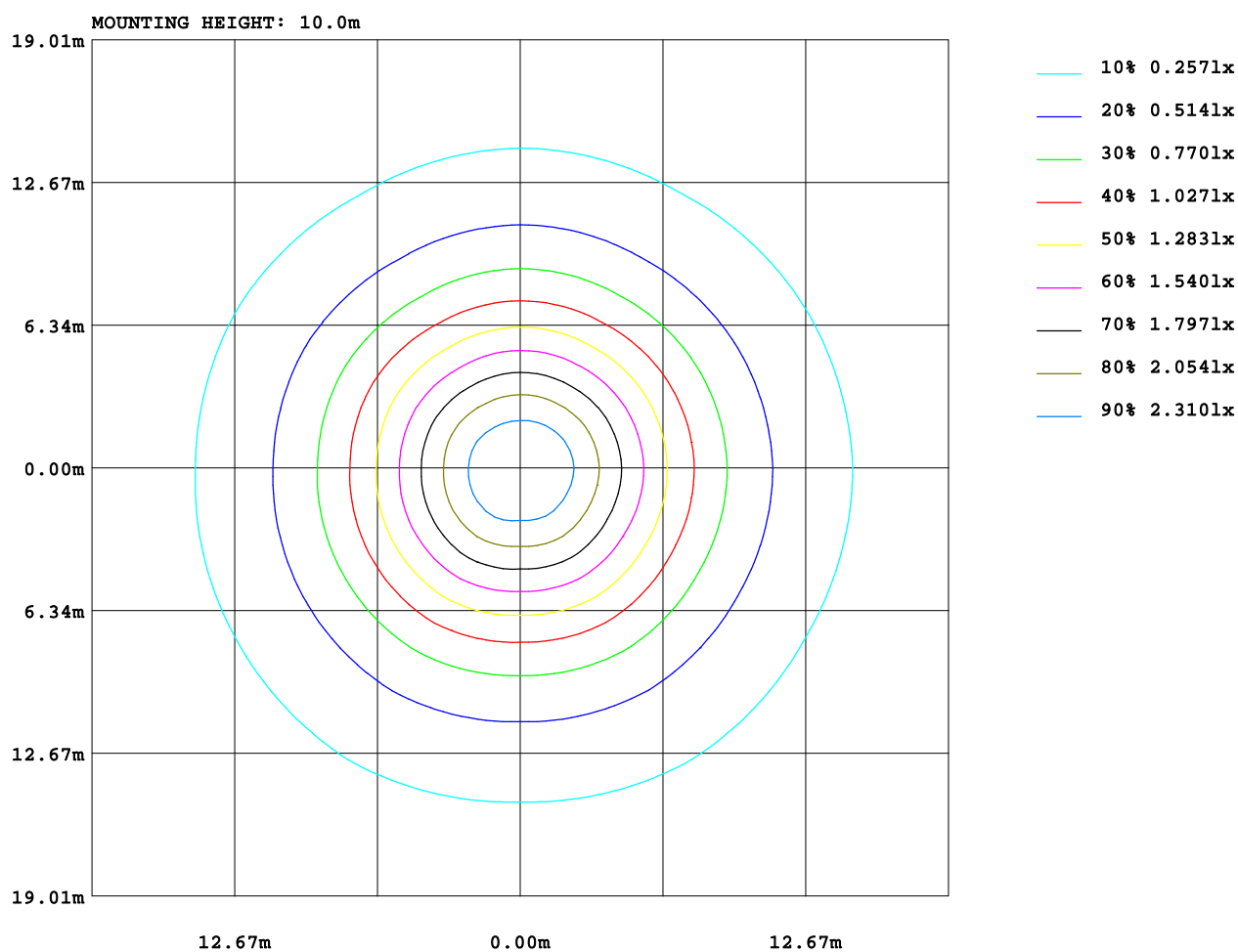
Test Set: 10.0 deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 6.220 m
Remarks:

LEDWISE TECHNOLOGY LIMITED TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER: LEDWISE	Address:	
NAME: LTR-P-24V-4.5W-40K	TYPE: 软光条	WEIGHT:
SPECIFICATION: 4000K	DIMENSION: 10MM*0.6M	SERIAL No.: 1



Test System: HOP00 HPG1800
Temperature: 25.3DEG
Operators:
Test Date: 2019年11月15日

Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 6.220 m
Remarks:

LEDWISE TECHNOLOGY LIMITED TEST REPORT

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: LEDWISE	Address:	
NAME: LTR-P-24V-4.5W-40K	TYPE: 软光条	WEIGHT:
SPECIFICATION: 4000K	DIMENSION: 10MM*0.6M	SERIAL No.: 1

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm				Φ t	Φ a
	0.00	0.03	0.07	0.12	0.14	0.15	0.19	0.24	0.28	0.28	0.25	0.19	0.16	0.15	0.12	0.09	0.04	0.01	2.51	0.00				
90																								
80	0.01	0.05	0.18	0.36	0.55	0.74	0.94	1.13	1.26	1.26	1.16	0.97	0.78	0.59	0.39	0.21	0.08	0.02	10.6	8.19				
70	0.01	0.10	0.35	0.75	1.19	1.63	2.05	2.43	2.65	2.66	2.46	2.10	1.68	1.24	0.79	0.40	0.14	0.02	22.7	22.2				
60	0.01	0.16	0.56	1.18	1.85	2.55	3.16	3.67	3.98	3.99	3.71	3.21	2.59	1.88	1.22	0.63	0.21	0.03	34.6	34.4				
50	0.02	0.23	0.77	1.55	2.47	3.37	4.13	4.76	5.13	5.14	4.79	4.18	3.43	2.52	1.59	0.85	0.29	0.04	45.3	45.1				
40	0.02	0.29	0.95	1.90	3.01	4.07	4.98	5.66	6.07	6.09	5.70	5.03	4.12	3.07	1.95	1.03	0.36	0.04	54.4	54.3				
30	0.03	0.34	1.08	2.17	3.39	4.62	5.65	6.38	6.80	6.82	6.42	5.70	4.68	3.48	2.25	1.17	0.41	0.05	61.5	61.4				
	0.03	0.38	1.19	2.35	3.65	4.98	6.11	6.91	7.31	7.34	6.95	6.16	5.06	3.77	2.45	1.28	0.45	0.05	66.4	66.4				
	0.03	0.39	1.25	2.44	3.79	5.15	6.34	7.20	7.63	7.66	7.26	6.42	5.28	3.93	2.57	1.35	0.48	0.06	69.2	69.2				
	0.03	0.40	1.26	2.46	3.82	5.19	6.38	7.26	7.72	7.70	7.29	6.45	5.30	3.95	2.58	1.36	0.48	0.06	69.7	69.7				
	0.03	0.39	1.23	2.41	3.74	5.09	6.27	7.14	7.55	7.53	7.12	6.27	5.14	3.83	2.49	1.32	0.46	0.05	68.1	68.0				
-30	0.03	0.36	1.14	2.27	3.54	4.82	5.96	6.79	7.14	7.13	6.77	5.94	4.83	3.58	2.32	1.23	0.43	0.05	64.3	64.3				
-40	0.03	0.31	1.02	2.05	3.21	4.40	5.46	6.21	6.51	6.50	6.18	5.44	4.40	3.22	2.08	1.09	0.38	0.05	58.5	58.5				
-50	0.02	0.26	0.86	1.74	2.77	3.82	4.77	5.39	5.65	5.64	5.37	4.75	3.82	2.77	1.77	0.92	0.31	0.04	50.7	50.6				
-60	0.02	0.19	0.66	1.37	2.23	3.10	3.88	4.36	4.57	4.57	4.35	3.86	3.09	2.23	1.38	0.71	0.24	0.03	40.9	40.7				
-70	0.01	0.13	0.45	0.96	1.59	2.26	2.83	3.15	3.28	3.28	3.14	2.82	2.25	1.59	0.98	0.49	0.17	0.02	29.4	29.1				
-80	0.01	0.07	0.25	0.55	0.92	1.33	1.68	1.87	1.93	1.93	1.86	1.68	1.34	0.93	0.56	0.28	0.10	0.02	17.3	16.5				
-90	0.01	0.03	0.10	0.20	0.34	0.51	0.62	0.66	0.67	0.67	0.67	0.63	0.51	0.35	0.21	0.11	0.05	0.01	6.35	2.86				
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90				
Φ t	0.36	4.11	13.4	26.8	42.2	57.8	71.4	81.2	86.2	86.2	81.5	71.8	58.5	43.1	27.7	14.5	5.10	0.65	782					
Φ a	0.00	3.29	12.7	26.2	41.6	57.2	70.8	80.6	85.5	85.6	80.8	71.2	57.9	42.5	27.1	13.9	4.42	0.15		763				

Test System: HOPPO HPG1800
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019年11月15日

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 6.220 m
 Remarks:

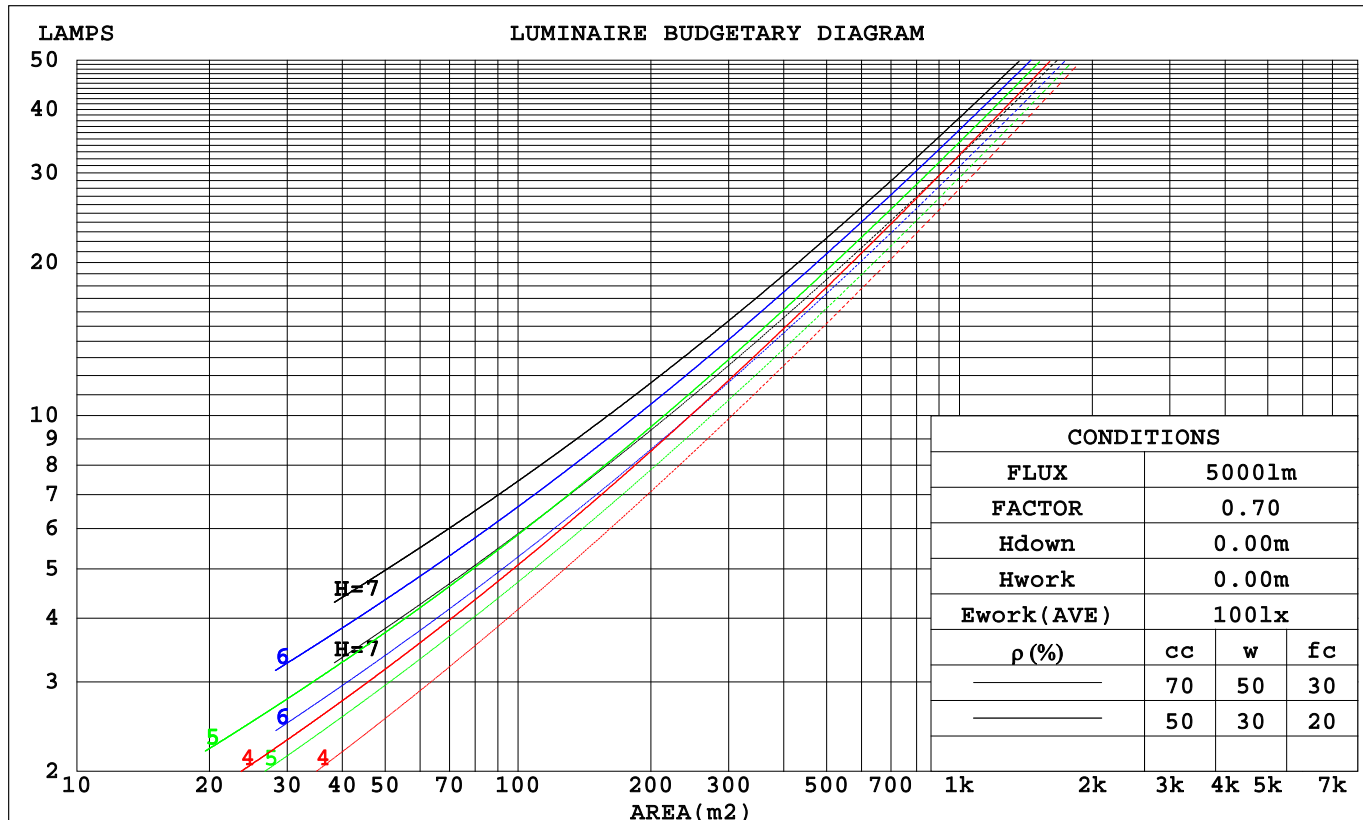
LEDWISE TECHNOLOGY LIMITED TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: LEDWISE	Address:		
NAME: LTR-P-24V-4.5W-40K	TYPE: 软光条	WEIGHT:	
SPECIFICATION: 4000K	DIMENSION: 10MM*0.6M	SERIAL No.: 1	

pcc	80%			70%			50%			30%			10%			0														
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
pfc	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Coefficients of Utilization(CU)														
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99														
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.90	.87	.89	.86	.84	.82														
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.81	.76	.72	.77	.74	.70	.68														
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.65	.60	.68	.63	.59	.57														
4.0	.69	.60	.54	.68	.60	.53	.65	.58	.52	.63	.57	.51	.61	.55	.51	.48														
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.50	.44	.54	.48	.44	.42														
6.0	.56	.46	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.38	.36														
7.0	.50	.41	.35	.49	.41	.35	.48	.40	.35	.46	.39	.34	.45	.39	.34	.32														
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.36	.31	.41	.35	.30	.28														
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.25														
10.0	.39	.31	.25	.38	.30	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23														



Test System: HOP00 HPG1800
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019年11月15日

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 6.220 m
 Remarks:

LEDWISE TECHNOLOGY LIMITED TEST REPORT

WEC AND CCEC

Report number:

MANUFACTURER: LEDWISE	Address:		
NAME: LTR-P-24V-4.5W-40K	TYPE: 软光条	WEIGHT:	
SPECIFICATION: 4000K	DIMENSION: 10MM*0.6M	SERIAL No.: 1	

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.316	.180	.057	.309	.176	.056	.295	.169	.054	.282	.163	.052	.270	.157	.050		
2.0	.296	.162	.050	.290	.160	.049	.278	.154	.048	.266	.149	.047	.256	.145	.046		
3.0	.274	.146	.044	.268	.143	.043	.257	.139	.042	.247	.135	.042	.238	.132	.041		
4.0	.252	.131	.039	.247	.129	.038	.237	.126	.038	.228	.123	.037	.220	.120	.036		
5.0	.233	.119	.034	.228	.117	.034	.220	.114	.034	.212	.112	.033	.204	.109	.033		
6.0	.216	.108	.031	.212	.107	.031	.204	.105	.030	.197	.102	.030	.190	.100	.030		
7.0	.201	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027		
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.172	.087	.025	.166	.085	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023		
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.021	.148	.074	.021		

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.198	.198	.198	.170	.170	.170	.116	.116	.116	.066	.066	.066	.021	.021	.021		
1.0	.189	.164	.142	.161	.141	.122	.110	.097	.084	.064	.056	.049	.020	.018	.016		
2.0	.181	.140	.106	.155	.120	.091	.106	.083	.064	.061	.048	.037	.020	.016	.012		
3.0	.173	.122	.082	.149	.106	.071	.102	.073	.050	.059	.043	.029	.019	.014	.010		
4.0	.166	.109	.066	.142	.094	.057	.098	.066	.040	.057	.039	.024	.018	.013	.008		
5.0	.158	.099	.055	.136	.086	.048	.094	.060	.034	.054	.035	.020	.017	.011	.007		
6.0	.151	.091	.047	.130	.078	.041	.090	.055	.029	.052	.032	.017	.017	.011	.006		
7.0	.144	.084	.041	.124	.073	.036	.086	.051	.025	.050	.030	.015	.016	.010	.005		
8.0	.138	.078	.037	.119	.068	.032	.082	.047	.023	.048	.028	.014	.015	.009	.004		
9.0	.132	.073	.033	.113	.063	.029	.079	.045	.021	.046	.026	.012	.015	.009	.004		
10.0	.126	.069	.031	.109	.060	.027	.075	.042	.019	.044	.025	.011	.014	.008	.004		

Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2019年11月15日

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.220 m
 Remarks:

LEDWISE TECHNOLOGY LIMITED TEST REPORT

Uncorrected UGR Table

Report number:

MANUFACTURER: LEDWISE						Address:				
NAME: LTR-P-24V-4.5W-40K						TYPE:软光条			WEIGHT:	
SPECIFICATION:4000K						DIMENSION: 10MM*0.6M			SERIAL No.:1	
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions						Viewed crosswise				
x = 2H y = 2H						Viewed endwise				
3H						18.3				
4H						19.0				
6H						19.5				
8H						19.7				
12H						19.8				
4H 2H						17.2				
3H						19.2				
4H						20.0				
6H						20.7				
8H						20.9				
12H						21.1				
8H 4H						20.3				
6H						21.2				
8H						21.5				
12H						21.8				
12H 4H						20.3				
6H						21.2				
8H						21.6				
Variations with the observer position at spacings:										
S = 1.0H						+ 0.1 / - 0.1				
1.5H						+ 0.1 / - 0.3				
2.0H						+ 0.2 / - 0.3				

CIE Pub.117 Corrected 782.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.9)

Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2019年11月15日

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.220 m
 Remarks:

LEDWISE TECHNOLOGY LIMITED TEST REPORT

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: LEDWISE	Address:		
NAME: LTR-P-24V-4.5W-40K	TYPE: 软光条	WEIGHT:	
SPECIFICATION: 4000K	DIMENSION: 10MM*0.6M	SERIAL No.: 1	

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	45	37	56	44	37	54	44	37	31
0.80	66	55	47	65	54	47	63	53	46	39
1.00	75	63	56	74	63	56	71	64	55	48
1.25	82	71	64	80	70	64	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	88	82	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	101	94	89	99	93	88	95	90	85	76
4.00	106	100	95	103	98	93	99	94	91	81
5.00	108	103	99	106	101	97	101	97	94	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

Test System: HOP00 HPG1800
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019年11月15日

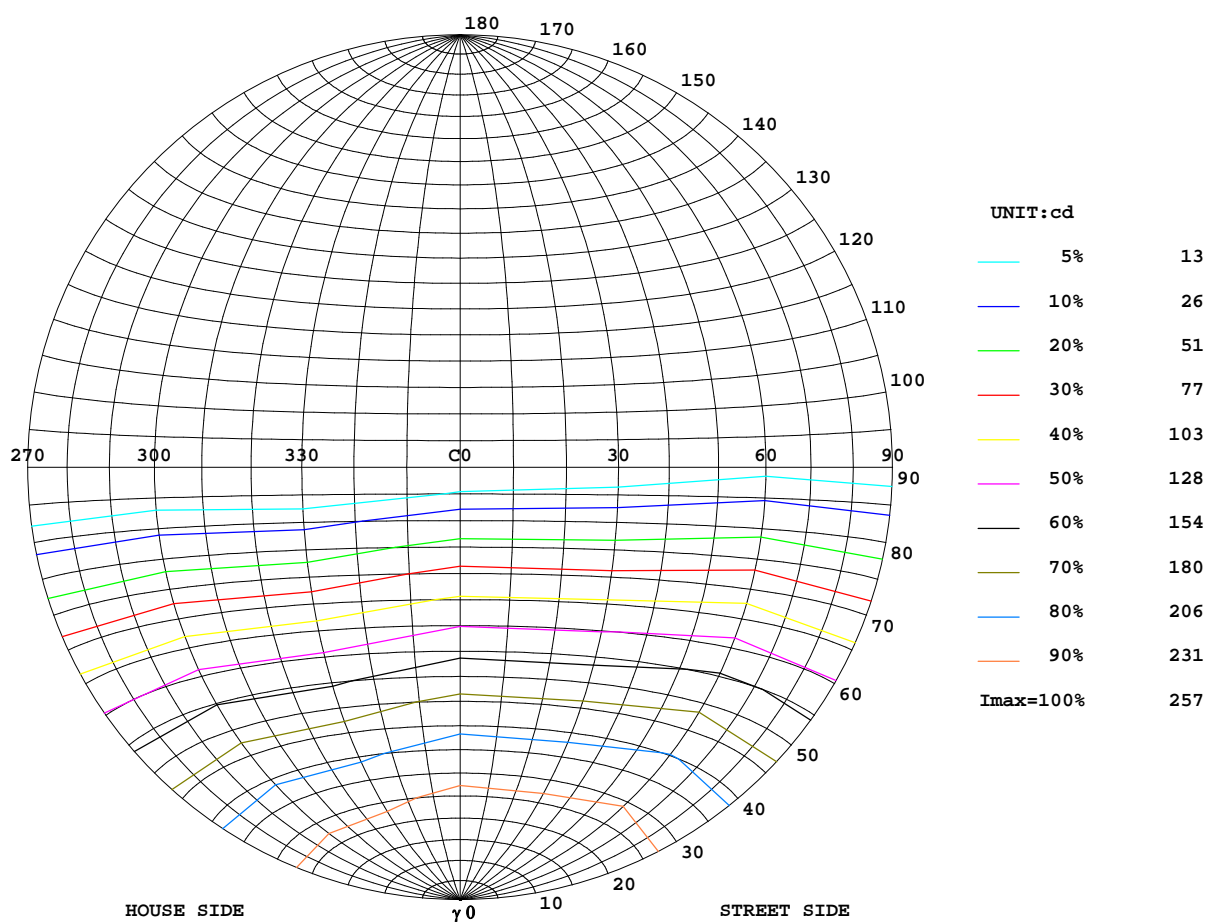
Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 6.220 m
 Remarks:

LEDWISE TECHNOLOGY LIMITED TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: LEDWISE	Address:	
NAME: LTR-P-24V-4.5W-40K	TYPE: 软光条	WEIGHT:
SPECIFICATION: 4000K	DIMENSION: 10MM*0.6M	SERIAL No.: 1



Test System: HOP00 HPG1800
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019年11月15日

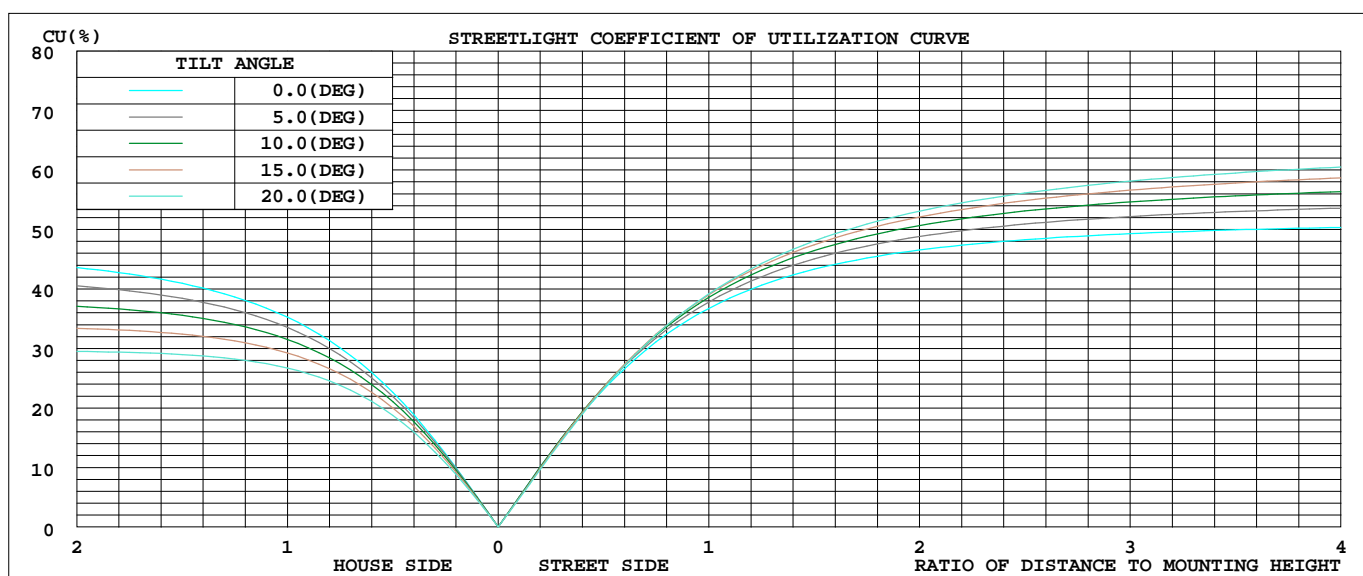
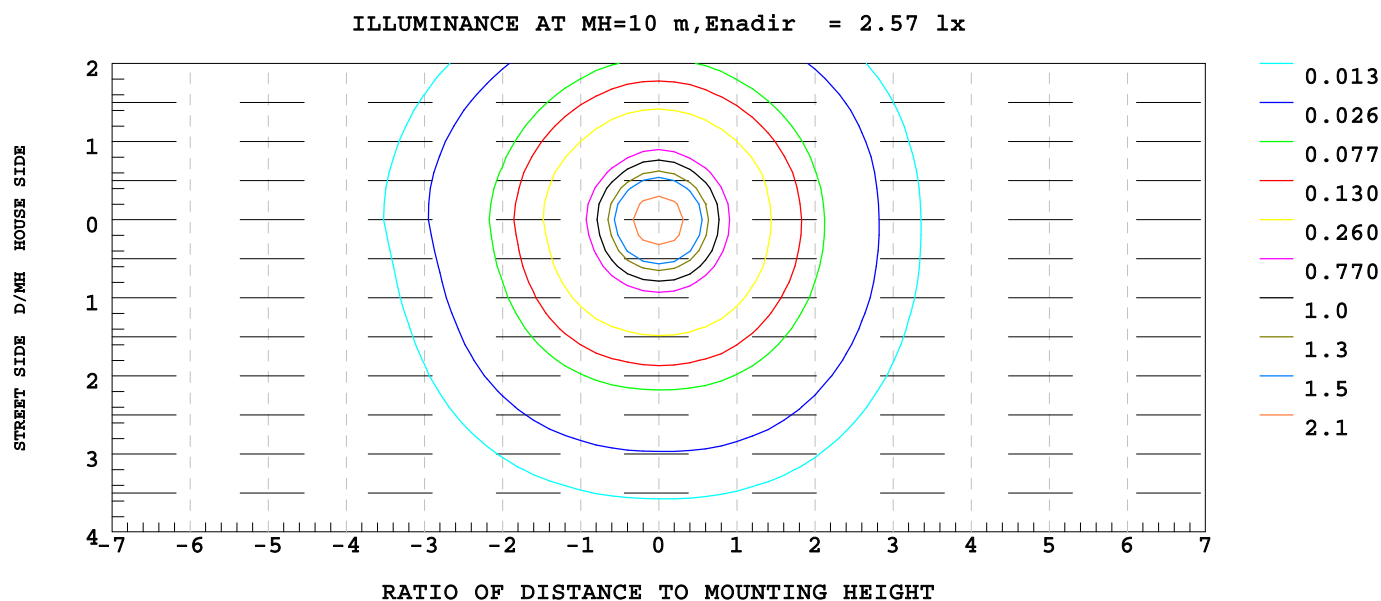
Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 6.220 m
 Remarks:

LEDWISE TECHNOLOGY LIMITED TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER: LEDWISE	Address:	
NAME: LTR-P-24V-4.5W-40K	TYPE: 软光条	WEIGHT:
SPECIFICATION: 4000K	DIMENSION: 10MM*0.6M	SERIAL No.: 1



Test System: HOP00 HPG1800
Temperature: 25.3DEG
Operators:
Test Date: 2019年11月15日

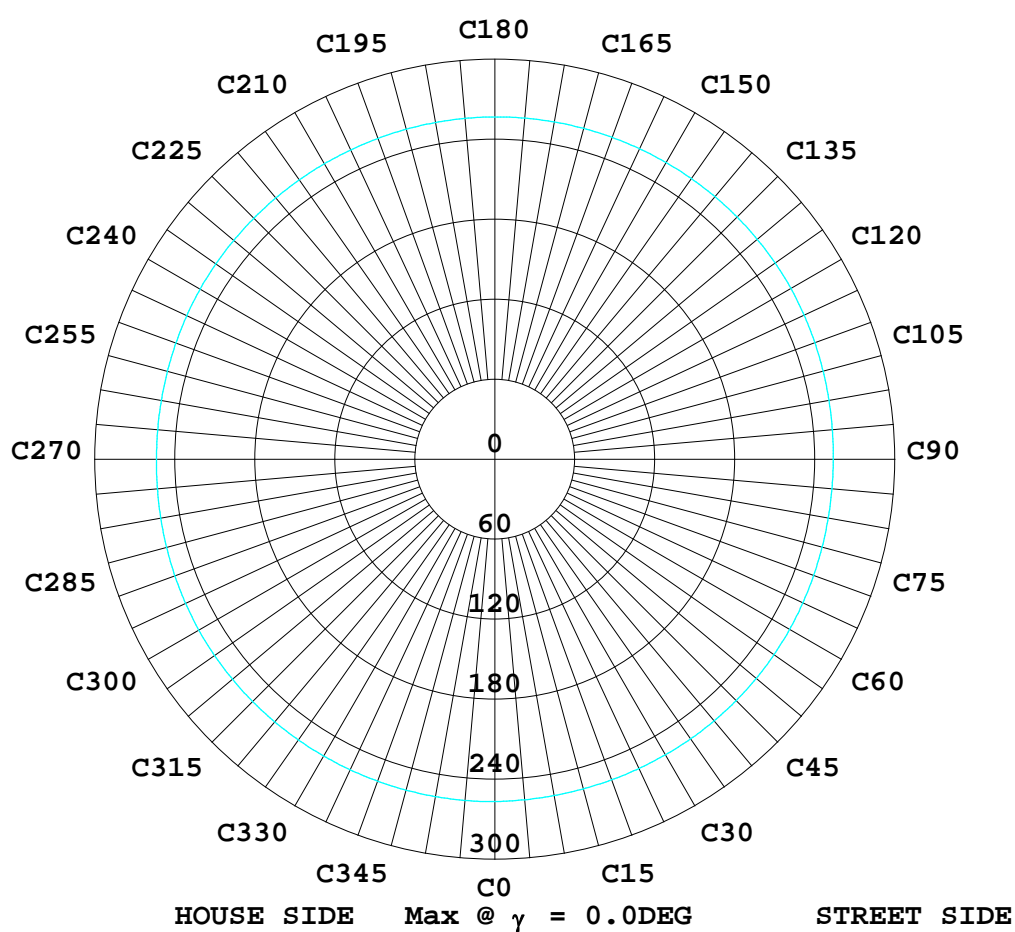
Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 6.220 m
Remarks:

LEDWISE TECHNOLOGY LIMITED TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: LEDWISE	Address:	
NAME: LTR-P-24V-4.5W-40K	TYPE: 软光条	WEIGHT:
SPECIFICATION: 4000K	DIMENSION: 10MM*0.6M	SERIAL No.: 1



Test System: HOP00 HPG1800
Temperature: 25.3DEG
Operators:
Test Date: 2019年11月15日

Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 6.220 m
Remarks:

LEDWISE TECHNOLOGY LIMITED TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: LEDWISE	Address:	
NAME: LTR-P-24V-4.5W-40K	TYPE:软光条	WEIGHT:
SPECIFICATION:4000K	DIMENSION: 10MM*0.6M	SERIAL No.:1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	257	256	255	254	256	257	257	256	255	254	256	257
5.0	256	256	256	254	257	256	256	255	253	252	254	256
10.0	254	254	254	252	255	254	253	252	249	248	251	253
15.0	250	249	251	249	252	250	248	247	243	243	245	248
20.0	244	243	246	243	247	244	240	240	236	236	237	241
25.0	236	235	239	236	240	236	232	231	226	226	227	232
30.0	226	226	229	226	230	226	221	220	215	215	216	222
35.0	214	214	219	215	220	214	208	208	201	203	202	210
40.0	201	200	206	201	207	200	194	193	186	188	188	195
45.0	185	185	191	187	192	185	178	176	169	171	171	179
50.0	168	168	175	170	175	167	159	159	150	153	152	161
55.0	149	148	156	151	157	148	139	139	130	134	132	142
60.0	128	128	136	130	136	127	123	117	109	111	111	119
65.0	106	107	114	107	115	106	96.4	92.4	86.4	89.2	88.2	92.9
70.0	83.9	82.4	92.0	85.7	92.5	82.0	71.8	72.2	61.9	65.3	63.7	74.8
75.0	58.9	59.2	68.4	63.4	68.5	58.5	47.7	47.3	39.1	41.4	40.7	49.7
80.0	34.5	36.6	44.9	41.0	44.9	35.8	23.5	25.9	18.8	21.3	20.1	27.7
85.0	13.6	16.2	23.8	19.6	23.6	15.4	5.33	9.90	4.79	7.23	5.22	10.9
90.0	2.74	3.90	8.16	5.68	8.04	3.48	0.58	3.40	1.23	2.97	0.85	3.28
95.0	2.51	0.54	2.90	0.70	2.82	0.58	0.70	2.51	0.66	2.35	0.50	2.39
100.0	2.32	0.43	2.39	0.58	2.39	0.43	0.62	2.16	0.50	2.20	0.54	2.16
105.0	2.12	0.50	2.12	0.50	2.12	0.50	0.70	2.01	0.50	1.97	0.50	2.05
110.0	1.93	0.58	1.97	0.54	1.97	0.46	0.70	1.93	0.46	1.97	0.50	1.85
115.0	1.77	0.54	1.77	0.46	1.93	0.66	0.77	1.85	0.58	1.70	0.46	1.70
120.0	1.77	0.54	1.70	0.50	1.77	0.50	0.77	1.74	0.46	1.66	0.54	1.77
125.0	1.77	0.54	1.70	0.50	1.66	0.54	0.81	1.70	0.54	1.58	0.62	1.58
130.0	1.58	0.50	1.62	0.58	1.66	0.54	0.81	1.58	0.62	1.50	0.54	1.54
135.0	1.54	0.70	1.47	0.70	1.54	0.50	0.85	1.47	0.70	1.43	0.62	1.43
140.0	1.54	0.62	1.43	0.54	1.47	0.62	0.81	1.43	0.58	1.35	0.58	1.43
145.0	1.39	0.62	1.47	0.50	1.54	0.70	0.89	1.39	0.58	1.31	0.70	1.35
150.0	1.39	0.58	1.31	0.70	1.31	0.58	0.93	1.39	0.66	1.31	0.74	1.31
155.0	1.31	0.62	1.35	0.58	1.31	0.62	0.77	1.23	0.58	1.27	0.74	1.31
160.0	1.27	0.70	1.27	0.66	1.27	0.58	0.89	1.31	0.62	1.23	0.62	1.23
165.0	1.27	0.62	1.31	0.58	1.31	0.58	0.97	1.27	0.66	1.16	0.66	1.23
170.0	1.27	0.70	1.23	0.66	1.27	0.58	1.04	1.19	0.54	1.16	0.70	1.23
175.0	1.12	0.77	1.12	0.62	1.08	0.62	1.00	1.12	0.70	1.08	0.62	1.16
180.0	1.08	0.81	1.08	0.74	1.00	0.74	1.19	1.08	0.77	1.04	0.66	1.04

Test System:HOP00 HPG1800
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