

LEDWISE TECHNOLOGY LIMITED TEST REPORT

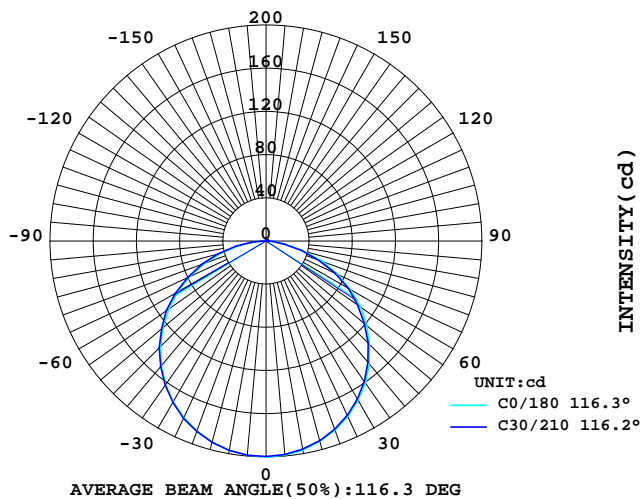
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

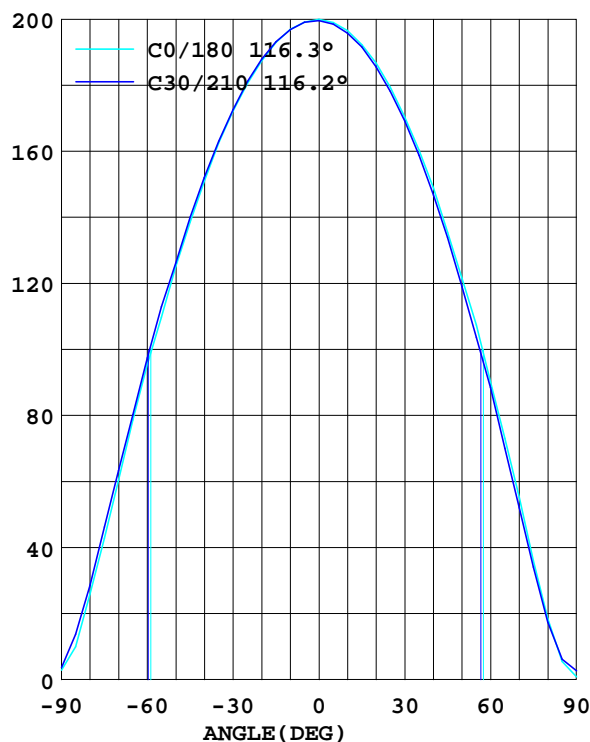
MANUFACTURER: LEDWISE	Address:	
NAME: LTR-P-24V-4.5W-24K-16	TYPE: 软光条	WEIGHT:
SPECIFICATION: 2400K	DIMENSION: 10MM*0.6M	SERIAL No.: 2

DATA OF LAMP		I _{max} (cd)	200.3	S/MH(C0/180)	1.28
MODEL	2835	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.32
NOMINAL POWER(W)	9	TOTAL FLUX(lm)	598.92	Voltage(V)	24.00
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	68.6	Current(A)	0.364
NOMINAL FLUX(lm)	598.9	η up(%)	1.5	Power(W)	8.736
LAMPS QUANTITY	1	η down(%)	98.5	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	580.6	EEI	0.176

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System: HOP00 HPG1800
Temperature: 25.3 DEG
Operators:
Test Date: 2019年12月16日

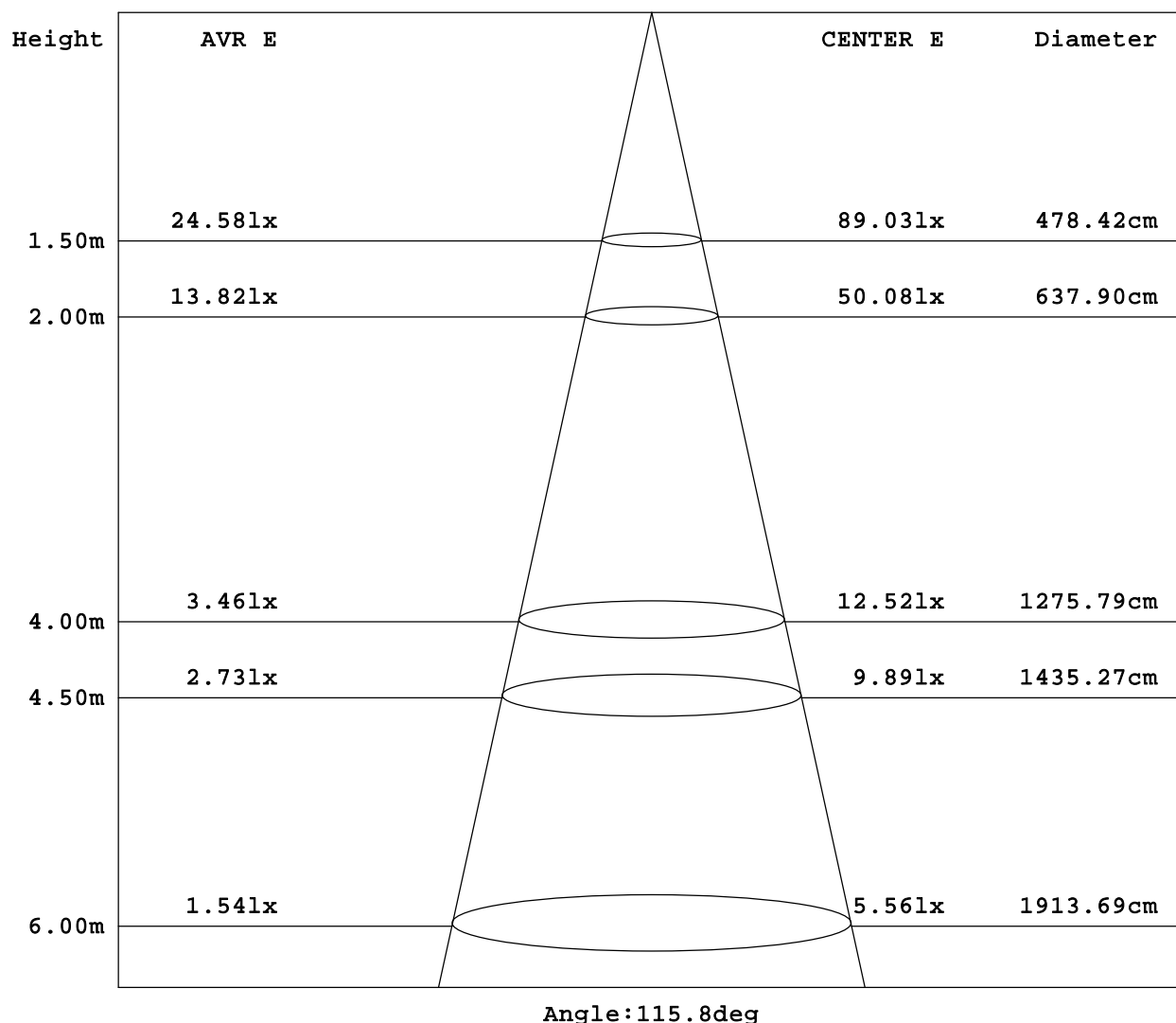
Test Set: 10.0 deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 6.220 m
Remarks:

LEDWISE TECHNOLOGY LIMITED TEST REPORT

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: LEDWISE	Address:	
NAME: LTR-P-24V-4.5W-24K-16	TYPE: 软光条	WEIGHT:
SPECIFICATION: 2400K	DIMENSION: 10MM*0.6M	SERIAL No.: 2



Test System: HOP00 HPG1800
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019年12月16日

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 Remarks:

LEDWISE TECHNOLOGY LIMITED TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: LEDWISE	Address:	
NAME: LTR-P-24V-4.5W-24K-16	TYPE:软光条	WEIGHT:
SPECIFICATION:2400K	DIMENSION: 10MM*0.6M	SERIAL No.:2

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
10.0	197.2	197.9	198.8	198.7	196.9	195.0	194.6	194.3	0- 10	18.92	18.92
20.0	187.6	189.8	191.3	191.0	186.9	183.6	182.5	182.5	10- 20	54.36	73.29
30.0	172.5	175.7	177.5	177.4	170.6	166.2	164.7	164.7	20- 30	82.88	156.1
40.0	151.1	155.8	158.4	157.9	149.0	143.1	140.7	141.3	30- 40	100.7	256.9
50.0	125.3	130.9	133.5	133.1	121.6	115.0	111.4	113.1	40- 50	105.6	362.5
60.0	95.59	101.9	105.7	104.0	90.37	82.75	79.89	80.80	50- 60	96.84	459.4
70.0	60.46	68.84	72.30	70.79	55.32	46.85	43.13	45.14	60- 70	74.63	534.0
80.0	25.95	33.91	37.10	35.36	18.49	13.69	11.29	12.80	70- 80	42.75	576.7
90.0	2.824	6.518	8.201	7.118	0.851	1.740	2.592	1.624	80- 90	13.44	590.2
100.0	2.321	1.508	0.658	1.450	0.774	1.450	2.011	1.412	90-100	2.414	592.6
110.0	2.011	1.412	0.580	1.296	0.851	1.276	1.857	1.218	100-110	1.458	594.1
120.0	1.857	1.218	0.619	1.218	0.890	1.238	1.702	1.238	110-120	1.266	595.3
130.0	1.740	1.179	0.658	1.141	1.005	1.141	1.586	1.063	120-130	1.067	596.4
140.0	1.702	1.083	0.696	1.083	0.851	1.063	1.431	1.121	130-140	0.894	597.3
150.0	1.470	1.121	0.696	1.083	1.005	1.083	1.392	1.083	140-150	0.704	598.0
160.0	1.392	1.083	0.735	1.005	1.005	1.044	1.238	1.005	150-160	0.496	598.5
170.0	1.315	1.044	0.735	0.948	0.967	0.967	1.238	1.005	160-170	0.298	598.8
180.0	1.238	0.987	0.851	0.948	1.238	1.005	1.083	0.967	170-180	0.098	598.9
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年12月16日

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

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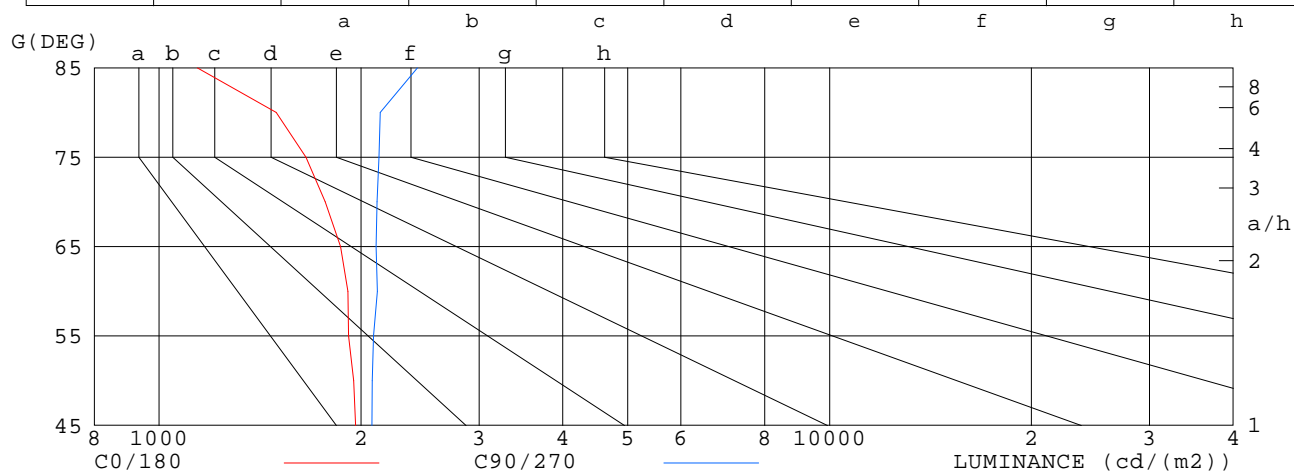
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: LEDWISE	Address:	
NAME: LTR-P-24V-4.5W-24K-16	TYPE: 软光条	WEIGHT:
SPECIFICATION: 2400K	DIMENSION: 10MM*0.6M	SERIAL No.: 2

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	1141	2428
80	1495	2137
75	1655	2127
70	1768	2114
65	1865	2106
60	1912	2115
55	1916	2088
50	1950	2078
45	1963	2076

Test System: HOP00 HPG1800
Temperature: 25.3 DEG
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Test Date: 2019年12月16日

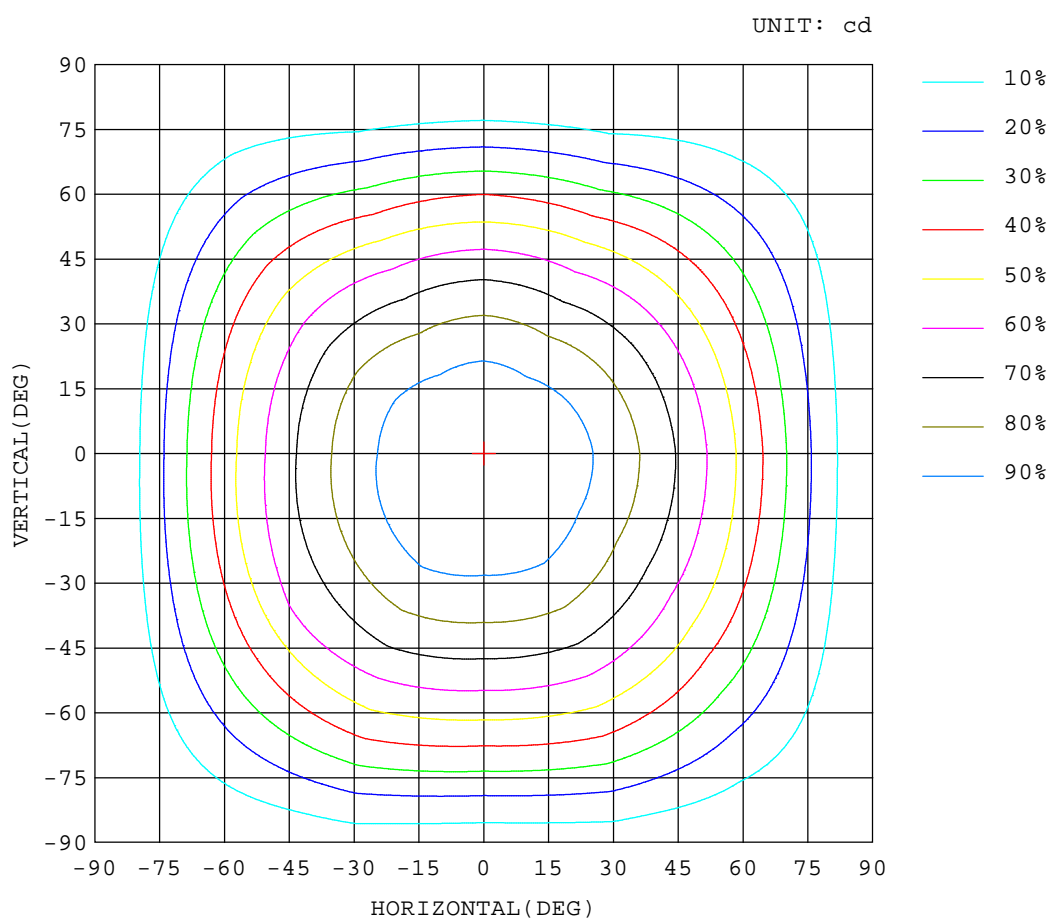
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LEDWISE TECHNOLOGY LIMITED TEST REPORT

ISOCANDELA DIAGRAM

Report number:

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SPECIFICATION: 2400K	DIMENSION: 10MM*0.6M	SERIAL No.: 2



Test System: HOP00 HPG1800
Temperature: 25.3 DEG
Operators:
Test Date: 2019年12月16日

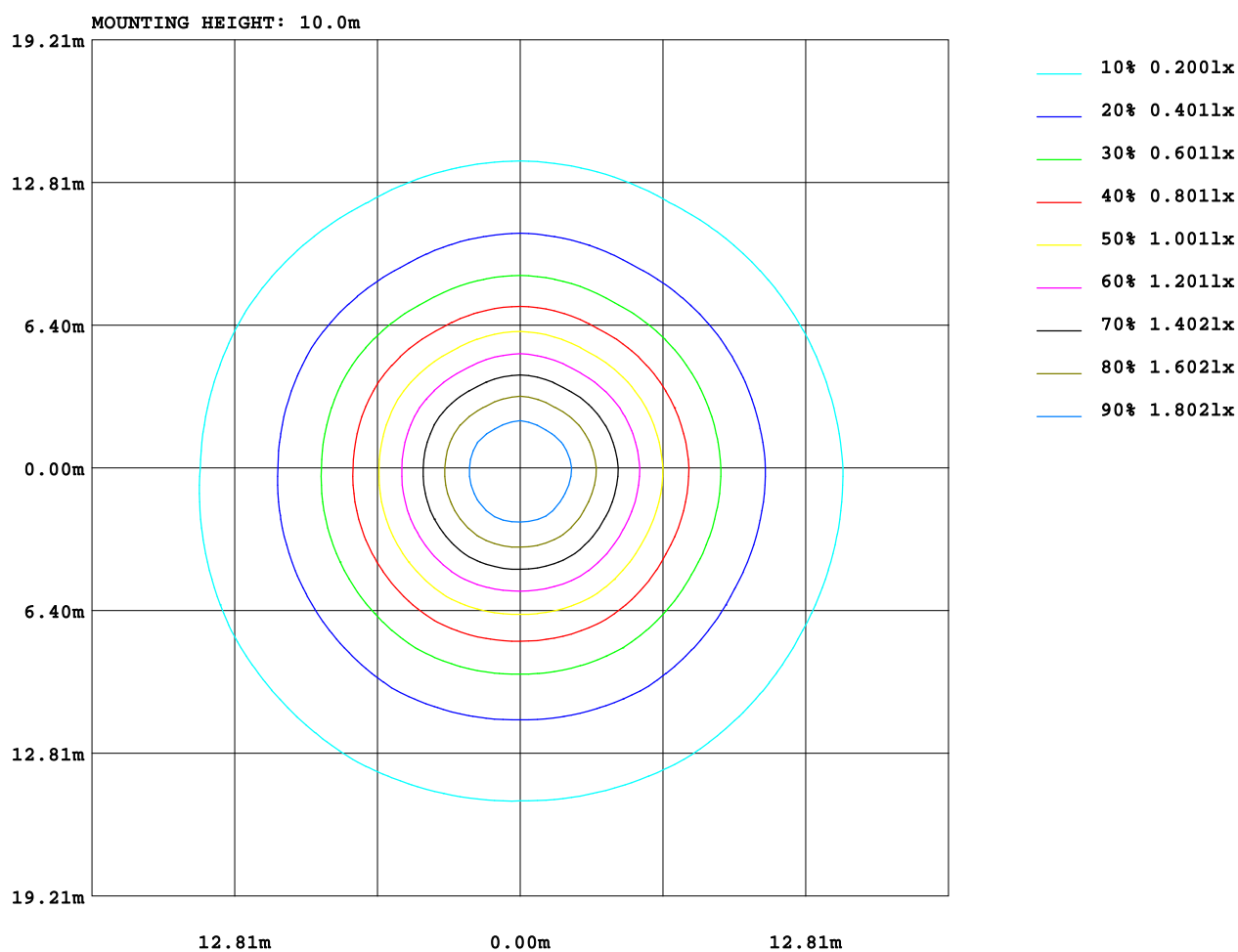
Test Set: 10.0deg/s C-Gamma (TYPE C)
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Remarks:

LEDWISE TECHNOLOGY LIMITED TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER: LEDWISE	Address:	
NAME: LTR-P-24V-4.5W-24K-16	TYPE: 软光条	WEIGHT:
SPECIFICATION: 2400K	DIMENSION: 10MM*0.6M	SERIAL No.: 2



Test System: HOP00 HPG1800
Temperature: 25.3DEG
Operators:
Test Date: 2019年12月16日

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

LEDWISE TECHNOLOGY LIMITED TEST REPORT

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: LEDWISE	Address:	
NAME: LTR-P-24V-4.5W-24K-16	TYPE: 软光条	WEIGHT:
SPECIFICATION: 2400K	DIMENSION: 10MM*0.6M	SERIAL No.: 2

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm				Φ t	Φ a
	0.00	0.02	0.05	0.07	0.08	0.08	0.09	0.13	0.15	0.15	0.12	0.09	0.08	0.08	0.07	0.05	0.03	0.01	1.35	0.00				
90	0.01	0.04	0.12	0.24	0.35	0.45	0.57	0.71	0.79	0.79	0.69	0.55	0.43	0.33	0.22	0.12	0.05	0.01	6.46	3.86				
80	0.01	0.08	0.25	0.53	0.83	1.12	1.39	1.67	1.83	1.82	1.64	1.36	1.08	0.80	0.50	0.26	0.09	0.02	15.3	14.8				
70	0.01	0.12	0.41	0.86	1.35	1.83	2.26	2.65	2.87	2.86	2.62	2.22	1.79	1.31	0.83	0.42	0.15	0.02	24.6	24.4				
60	0.02	0.17	0.57	1.16	1.85	2.49	3.05	3.51	3.80	3.78	3.48	3.01	2.44	1.80	1.14	0.58	0.20	0.03	33.1	33.0				
50	0.02	0.22	0.71	1.43	2.25	3.05	3.73	4.26	4.59	4.58	4.22	3.69	3.00	2.21	1.42	0.73	0.25	0.03	40.4	40.3				
40	0.02	0.26	0.82	1.63	2.56	3.51	4.30	4.86	5.22	5.21	4.83	4.25	3.46	2.54	1.64	0.86	0.29	0.04	46.3	46.2				
30	0.03	0.28	0.90	1.77	2.78	3.81	4.70	5.33	5.67	5.66	5.30	4.67	3.79	2.79	1.80	0.95	0.33	0.04	50.6	50.5				
	0.03	0.30	0.94	1.85	2.89	3.96	4.90	5.60	5.95	5.94	5.59	4.91	3.99	2.94	1.90	1.00	0.35	0.04	53.1	53.0				
	0.03	0.30	0.96	1.88	2.93	4.00	4.95	5.65	6.03	6.01	5.64	4.95	4.03	2.97	1.92	1.01	0.35	0.04	53.7	53.6				
	0.03	0.30	0.94	1.86	2.88	3.93	4.86	5.56	5.91	5.90	5.52	4.81	3.91	2.88	1.87	0.99	0.34	0.04	52.5	52.5				
-30	0.03	0.28	0.88	1.76	2.74	3.73	4.62	5.29	5.59	5.58	5.25	4.57	3.68	2.70	1.75	0.92	0.32	0.04	49.8	49.7				
-40	0.02	0.25	0.80	1.59	2.54	3.42	4.25	4.84	5.09	5.08	4.80	4.19	3.36	2.45	1.57	0.82	0.28	0.03	45.4	45.3				
-50	0.02	0.21	0.68	1.36	2.19	3.02	3.73	4.22	4.43	4.42	4.18	3.68	2.94	2.12	1.34	0.69	0.24	0.03	39.5	39.4				
-60	0.02	0.16	0.53	1.09	1.77	2.47	3.07	3.45	3.62	3.61	3.42	3.02	2.41	1.72	1.06	0.54	0.18	0.02	32.2	32.1				
-70	0.01	0.11	0.38	0.80	1.30	1.84	2.32	2.58	2.70	2.69	2.55	2.27	1.80	1.26	0.77	0.38	0.13	0.02	23.9	23.7				
-80	0.01	0.07	0.22	0.48	0.80	1.15	1.45	1.60	1.67	1.66	1.58	1.41	1.12	0.77	0.45	0.22	0.08	0.02	14.7	14.2				
-90	0.01	0.04	0.10	0.20	0.34	0.50	0.62	0.66	0.67	0.67	0.65	0.59	0.47	0.32	0.19	0.10	0.04	0.01	6.18	3.50				
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90				
Φ t	0.32	3.20	10.2	20.6	32.5	44.4	54.9	62.6	66.6	66.4	62.1	54.3	43.8	32.0	20.5	10.6	3.71	0.49	599					
Φ a	0.00	2.54	9.71	20.0	32.0	43.9	54.4	62.1	66.1	65.9	61.6	53.8	43.3	31.5	19.9	10.1	3.15	0.10		581				

Test System: HOPPO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2019年12月16日

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

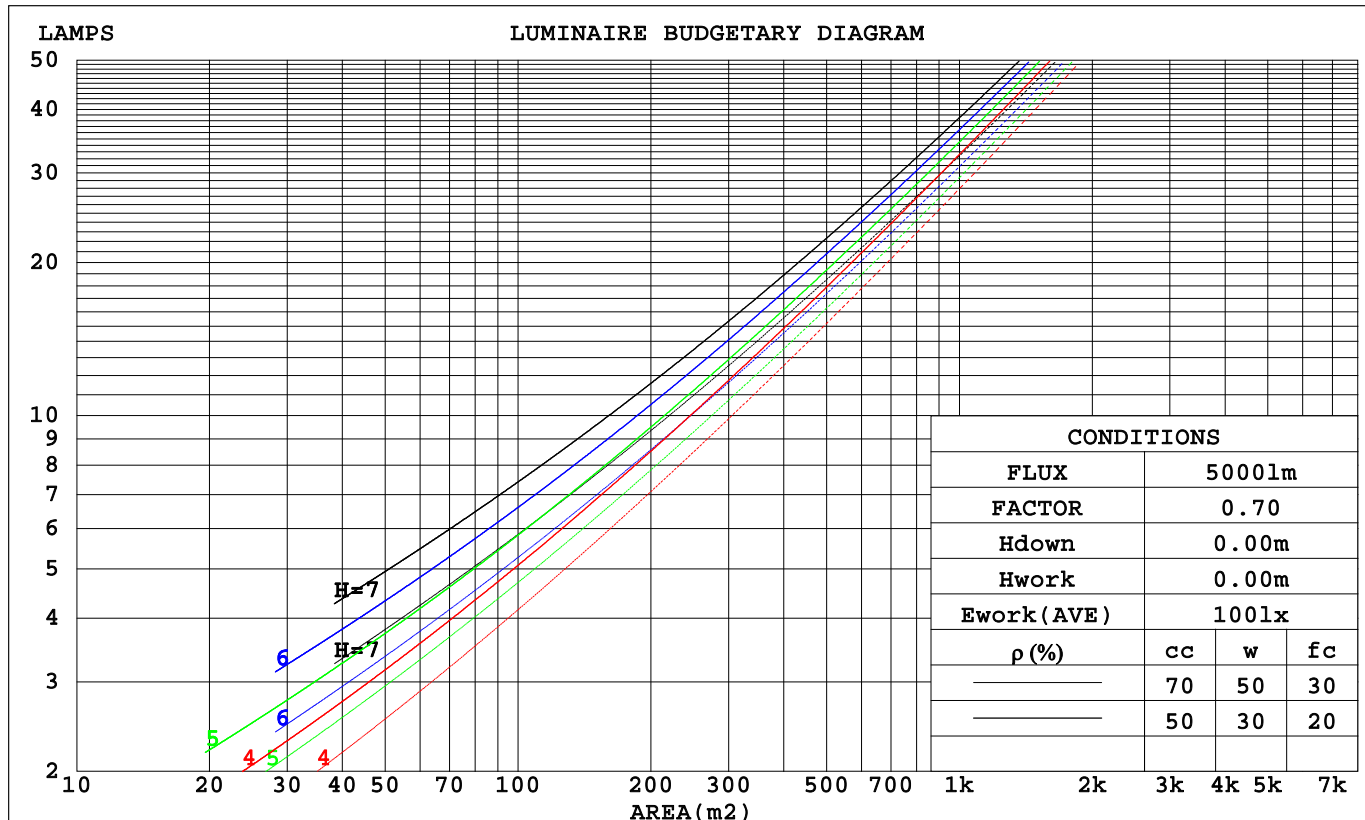
LEDWISE TECHNOLOGY LIMITED TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: LEDWISE	Address:	
NAME: LTR-P-24V-4.5W-24K-16	TYPE: 软光条	WEIGHT:
SPECIFICATION: 2400K	DIMENSION: 10MM*0.6M	SERIAL No.: 2

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															



Test System:HOP00 HPG1800
 Temperature:25.3DEG
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Test Set: 10.0deg/s C-Gamma (TYPE C)
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LEDWISE TECHNOLOGY LIMITED TEST REPORT

WEC AND CCEC

Report number:

MANUFACTURER: LEDWISE	Address:		
NAME: LTR-P-24V-4.5W-24K-16	TYPE:软光条	WEIGHT:	
SPECIFICATION:2400K	DIMENSION: 10MM*0.6M	SERIAL No.:2	

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	.308	.176	.056	.294	.169	.054	.281	.162	.052	.269	.156	.050															
2.0	.295	.162	.050	.289	.159	.049	.276	.154	.048	.265	.149	.046	.254	.144	.045															
3.0	.273	.145	.043	.267	.143	.043	.256	.139	.042	.245	.134	.041	.236	.131	.040															
4.0	.251	.131	.038	.246	.129	.038	.236	.125	.037	.227	.122	.037	.218	.119	.036															
5.0	.232	.118	.034	.227	.117	.034	.219	.114	.033	.210	.111	.033	.203	.108	.033															
6.0	.215	.108	.031	.211	.106	.031	.203	.104	.030	.196	.102	.030	.189	.099	.029															
7.0	.200	.099	.028	.196	.098	.028	.189	.096	.028	.183	.094	.027	.176	.092	.027															
8.0	.187	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.165	.085	.025															
9.0	.175	.085	.024	.172	.084	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023															
10.0	.164	.079	.022	.161	.078	.022	.156	.077	.022	.151	.075	.021	.147	.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	.202	.202	.202	.172	.172	.172	.118	.118	.118	.068	.068	.068	.022	.022	.022		
1.0	.192	.167	.145	.164	.144	.125	.112	.099	.086	.065	.057	.050	.021	.018	.016		
2.0	.184	.143	.109	.158	.123	.094	.108	.085	.066	.062	.050	.038	.020	.016	.013		
3.0	.176	.126	.085	.151	.108	.074	.104	.075	.052	.060	.044	.031	.019	.014	.010		
4.0	.169	.112	.069	.145	.097	.060	.100	.068	.042	.058	.040	.025	.019	.013	.008		
5.0	.161	.102	.058	.138	.088	.051	.095	.062	.036	.055	.036	.021	.018	.012	.007		
6.0	.154	.094	.050	.132	.081	.044	.091	.057	.031	.053	.033	.018	.017	.011	.006		
7.0	.147	.087	.045	.127	.075	.039	.088	.053	.027	.051	.031	.016	.016	.010	.005		
8.0	.141	.081	.040	.121	.070	.035	.084	.049	.025	.049	.029	.015	.016	.010	.005		
9.0	.135	.076	.037	.116	.066	.032	.080	.046	.023	.047	.027	.014	.015	.009	.004		
10.0	.129	.072	.034	.111	.062	.030	.077	.044	.021	.045	.026	.013	.015	.009	.004		

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 Temperature:25.3DEG
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Test Set: 10.0deg/s C-Gamma (TYPE C)
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 Remarks:

LEDWISE TECHNOLOGY LIMITED TEST REPORT

Uncorrected UGR Table

Report number:

MANUFACTURER: LEDWISE						Address:					
NAME: LTR-P-24V-4.5W-24K-16						TYPE:软光条			WEIGHT:		
SPECIFICATION:2400K						DIMENSION: 10MM*0.6M			SERIAL No.:2		
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					Viewed endwise				
x = 2H y = 2H	15.3	16.8	15.6	17.1	17.3	15.9	17.4	16.2	17.6	17.9	
	3H	16.9	18.3	17.2	18.6	18.8	17.7	19.1	18.0	19.4	19.6
	4H	17.5	18.9	17.9	19.2	19.4	18.5	19.8	18.8	20.1	20.4
	6H	18.0	19.2	18.3	19.5	19.8	19.1	20.4	19.5	20.7	21.0
	8H	18.0	19.2	18.4	19.6	19.9	19.4	20.6	19.7	20.9	21.2
	12H	18.1	19.2	18.4	19.6	19.9	19.6	20.8	20.0	21.1	21.4
4H	2H	16.1	17.4	16.4	17.7	18.0	16.5	17.8	16.9	18.1	18.4
	3H	17.8	19.0	18.2	19.3	19.7	18.6	19.7	18.9	20.1	20.4
	4H	18.6	19.7	19.0	20.0	20.4	19.5	20.6	19.9	20.9	21.3
	6H	19.1	20.1	19.5	20.5	20.8	20.3	21.3	20.7	21.6	22.0
	8H	19.2	20.1	19.7	20.5	20.9	20.6	21.5	21.1	21.9	22.3
	12H	19.3	20.1	19.8	20.5	21.0	20.9	21.7	21.4	22.1	22.6
8H	4H	19.0	19.9	19.4	20.3	20.7	19.8	20.7	20.3	21.1	21.5
	6H	19.7	20.4	20.1	20.8	21.3	20.8	21.6	21.3	22.0	22.4
	8H	19.8	20.5	20.3	21.0	21.4	21.3	21.9	21.7	22.4	22.8
	12H	20.0	20.6	20.5	21.0	21.5	21.7	22.2	22.2	22.7	23.2
12H	4H	19.1	19.9	19.5	20.3	20.7	19.8	20.6	20.3	21.0	21.5
	6H	19.8	20.4	20.3	20.9	21.4	20.9	21.5	21.4	22.0	22.5
	8H	20.0	20.6	20.5	21.1	21.6	21.4	21.9	21.9	22.4	22.9
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					

CIE Pub.117 Corrected 598.9 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.8)

Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2019年12月16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-24K-16	TYPE: 软光条	WEIGHT:	
SPECIFICATION: 2400K	DIMENSION: 10MM*0.6M	SERIAL No.: 2	

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	38	56	44	38	54	44	37	31
0.80	66	55	47	65	54	47	64	53	47	40
1.00	75	64	56	74	63	56	71	64	55	48
1.25	82	71	64	80	71	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	87	95	90	85	76
4.00	105	100	95	103	98	93	98	94	90	81
5.00	108	103	99	105	101	97	101	97	94	84
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

Test System:HOP00 HPG1800
 Temperature:25.3DEG
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 Test Date:2019年12月16日

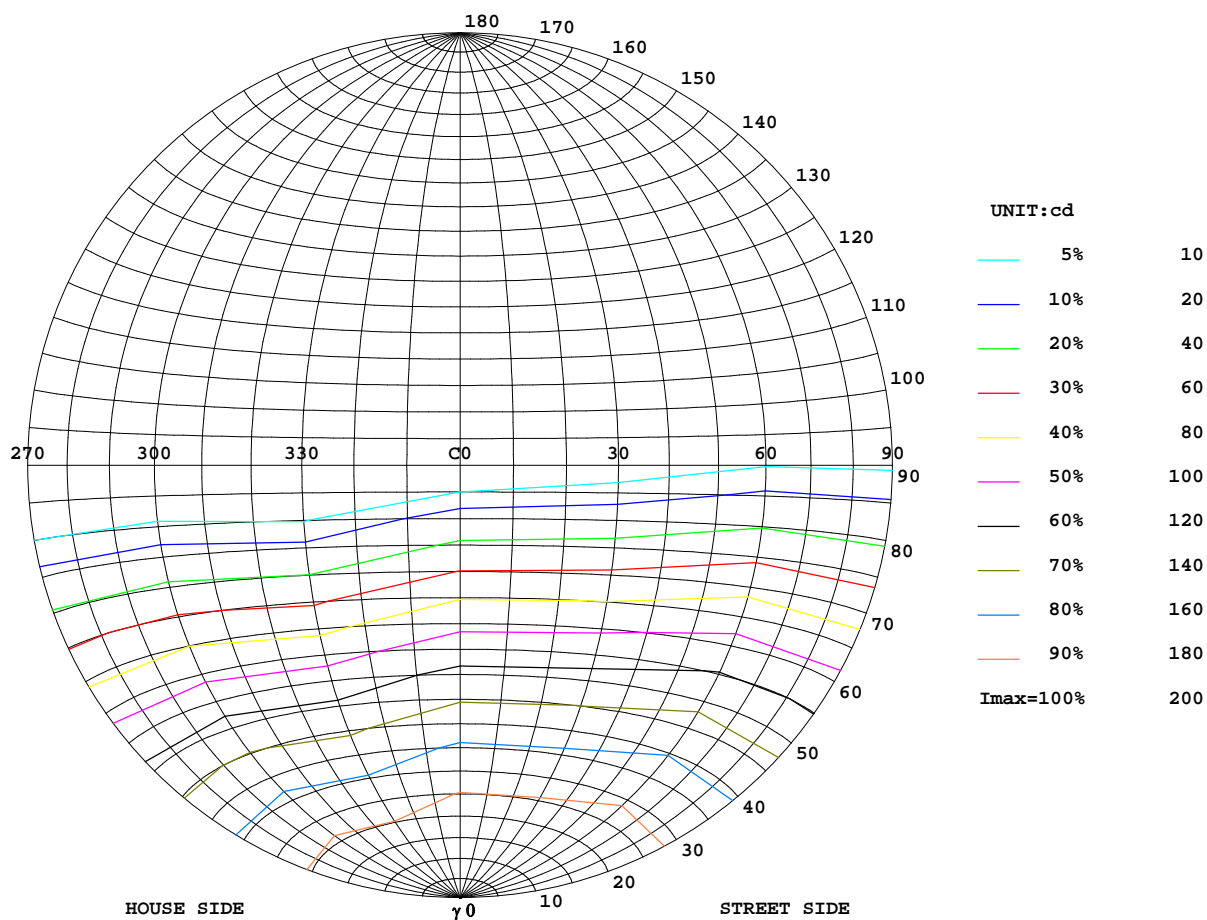
Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.220 m
 Remarks:

LEDWISE TECHNOLOGY LIMITED TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: LEDWISE	Address:	
NAME: LTR-P-24V-4.5W-24K-16	TYPE: 软光条	WEIGHT:
SPECIFICATION: 2400K	DIMENSION: 10MM*0.6M	SERIAL No.: 2



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2019年12月16日

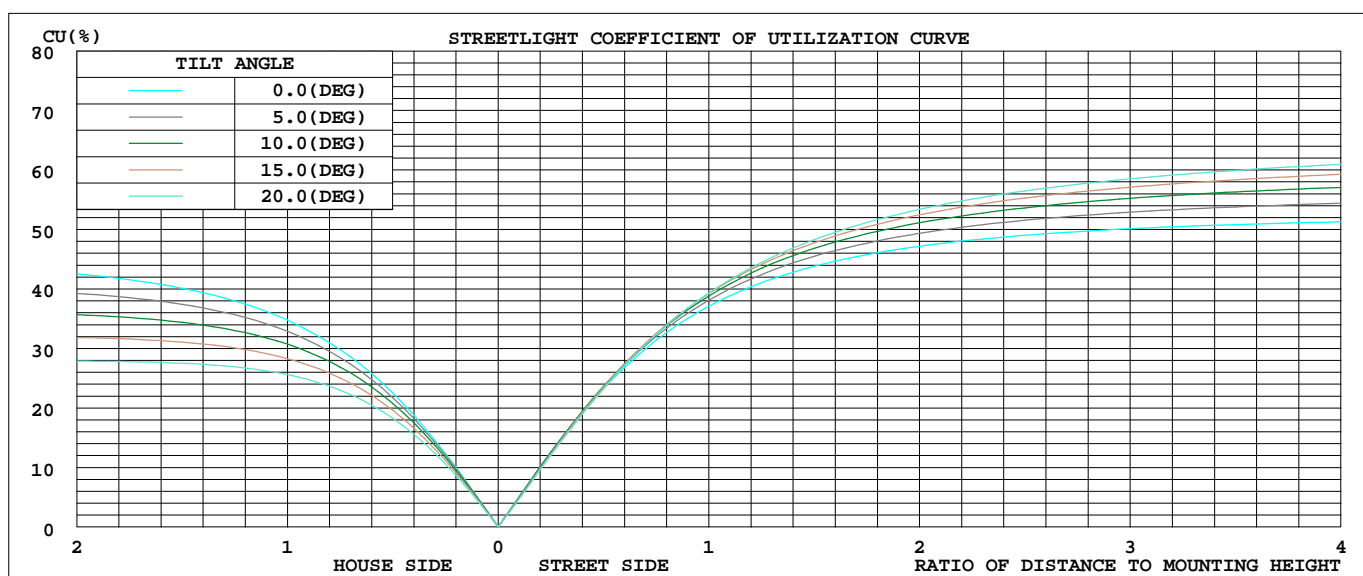
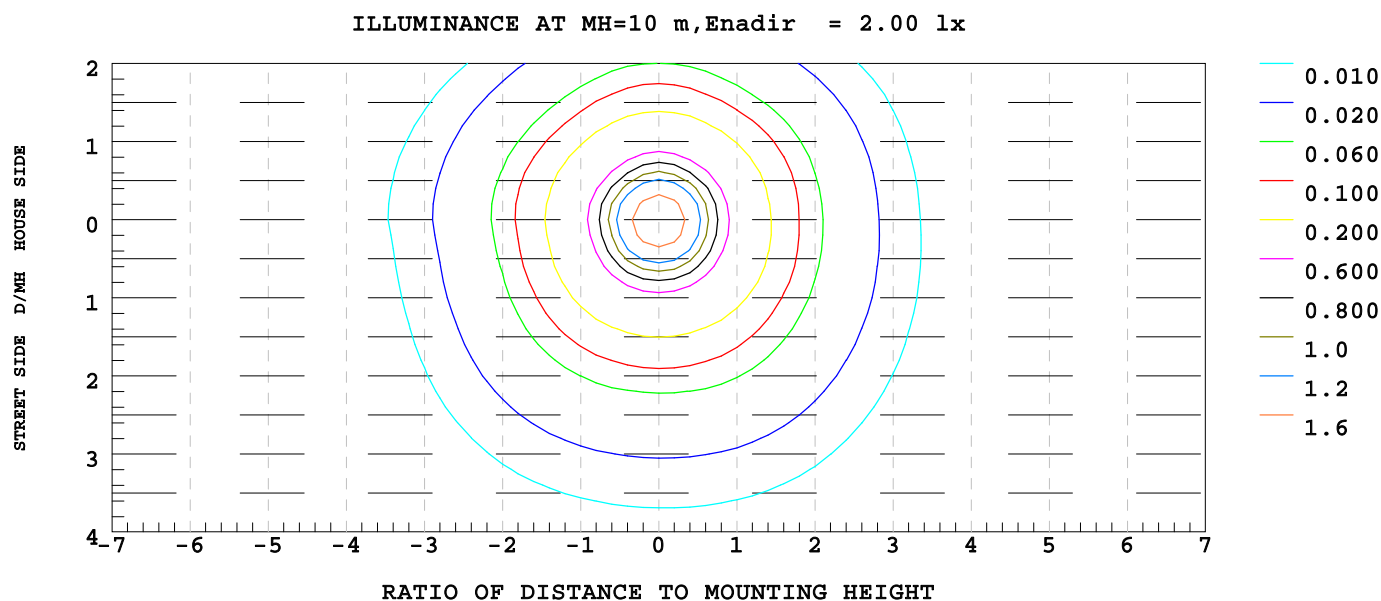
Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.220 m
 Remarks:

LEDWISE TECHNOLOGY LIMITED TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER: LEDWISE	Address:	
NAME: LTR-P-24V-4.5W-24K-16	TYPE: 软光条	WEIGHT:
SPECIFICATION: 2400K	DIMENSION: 10MM*0.6M	SERIAL No.: 2



Test System: HOP00 HPG1800
Temperature: 25.3DEG
Operators:
Test Date: 2019年12月16日

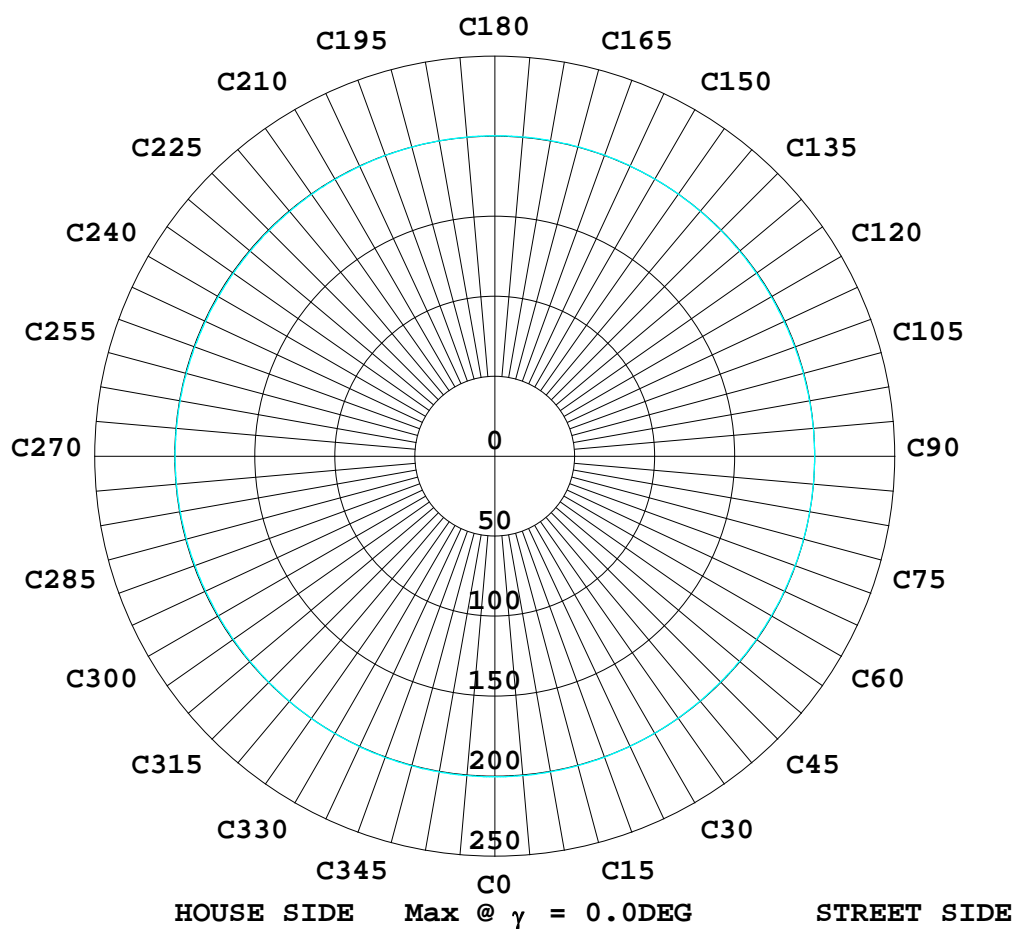
Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 6.220 m
Remarks:

LEDWISE TECHNOLOGY LIMITED TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: LEDWISE	Address:	
NAME: LTR-P-24V-4.5W-24K-16	TYPE: 软光条	WEIGHT:
SPECIFICATION: 2400K	DIMENSION: 10MM*0.6M	SERIAL No.: 2



Test System: HOP00 HPG1800
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019年12月16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-24K-16	TYPE: 软光条	WEIGHT:
SPECIFICATION: 2400K	DIMENSION: 10MM*0.6M	SERIAL No.: 2

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	200	200	200	200	200	200	200	200	200	200	200	200
5.0	199	199	200	200	200	200	199	199	197	198	197	199
10.0	197	197	199	199	199	198	197	196	194	195	193	195
15.0	193	193	196	196	197	195	193	192	188	190	188	191
20.0	188	188	192	191	192	190	187	186	182	183	181	185
25.0	181	181	186	185	187	183	180	178	173	174	172	177
30.0	173	173	179	178	180	175	171	170	163	165	162	168
35.0	163	163	170	169	171	166	161	159	152	153	150	157
40.0	151	152	159	158	161	155	149	147	139	141	138	145
45.0	139	140	148	147	150	143	136	134	125	127	123	132
50.0	125	126	135	134	137	129	122	119	111	111	109	117
55.0	110	113	121	120	123	120	108	104	94.7	95.5	93.2	101
60.0	95.5	97.5	106	106	108	100	90.3	88.5	76.9	79.8	75.3	86.2
65.0	78.8	80.3	91.8	89.0	93.7	82.7	73.1	70.1	59.3	61.2	57.8	67.9
70.0	60.4	63.3	74.3	72.3	76.0	65.5	55.3	52.0	41.6	43.1	40.2	50.0
75.0	42.8	46.2	56.7	55.0	58.3	48.0	36.0	34.0	23.9	26.1	22.8	32.4
80.0	25.9	28.5	39.2	37.1	40.5	30.1	18.4	17.4	9.98	11.2	9.40	16.2
85.0	9.94	13.7	22.1	21.1	23.2	14.8	5.49	6.19	1.93	3.67	1.81	5.57
90.0	2.82	3.67	9.36	8.20	10.0	4.21	0.85	2.63	0.85	2.59	0.74	2.51
95.0	2.43	0.77	2.90	1.16	3.13	0.70	0.89	2.28	0.62	2.24	0.62	2.35
100.0	2.32	0.66	2.35	0.66	2.32	0.58	0.77	2.20	0.70	2.01	0.66	2.16
105.0	2.16	0.70	2.20	0.70	2.16	0.58	0.81	2.01	0.62	1.93	0.58	2.05
110.0	2.01	0.74	2.08	0.58	2.01	0.58	0.85	1.97	0.58	1.85	0.58	1.85
115.0	1.97	0.66	1.93	0.62	1.89	0.62	0.97	1.89	0.62	1.77	0.58	1.77
120.0	1.85	0.66	1.77	0.62	1.81	0.62	0.89	1.77	0.70	1.70	0.70	1.77
125.0	1.74	0.70	1.66	0.62	1.70	0.62	0.93	1.70	0.62	1.62	0.62	1.54
130.0	1.74	0.66	1.70	0.66	1.62	0.66	1.00	1.62	0.66	1.58	0.58	1.54
135.0	1.70	0.74	1.58	0.74	1.62	0.70	0.97	1.50	0.70	1.50	0.70	1.50
140.0	1.70	0.66	1.50	0.70	1.54	0.62	0.85	1.43	0.70	1.43	0.74	1.50
145.0	1.54	0.85	1.47	0.74	1.47	0.66	1.00	1.43	0.70	1.47	0.77	1.43
150.0	1.47	0.74	1.50	0.70	1.47	0.70	1.00	1.43	0.74	1.39	0.70	1.47
155.0	1.47	0.74	1.43	0.70	1.35	0.70	0.97	1.35	0.70	1.31	0.62	1.35
160.0	1.39	0.77	1.39	0.74	1.31	0.70	1.00	1.31	0.77	1.23	0.77	1.23
165.0	1.35	0.85	1.31	0.74	1.31	0.77	1.04	1.31	0.77	1.31	0.66	1.31
170.0	1.31	0.77	1.31	0.74	1.27	0.62	0.97	1.23	0.70	1.23	0.70	1.31
175.0	1.35	0.81	1.23	0.74	1.27	0.74	1.04	1.31	0.66	1.23	0.74	1.23
180.0	1.23	0.81	1.16	0.85	1.08	0.81	1.23	1.19	0.81	1.08	0.77	1.16

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