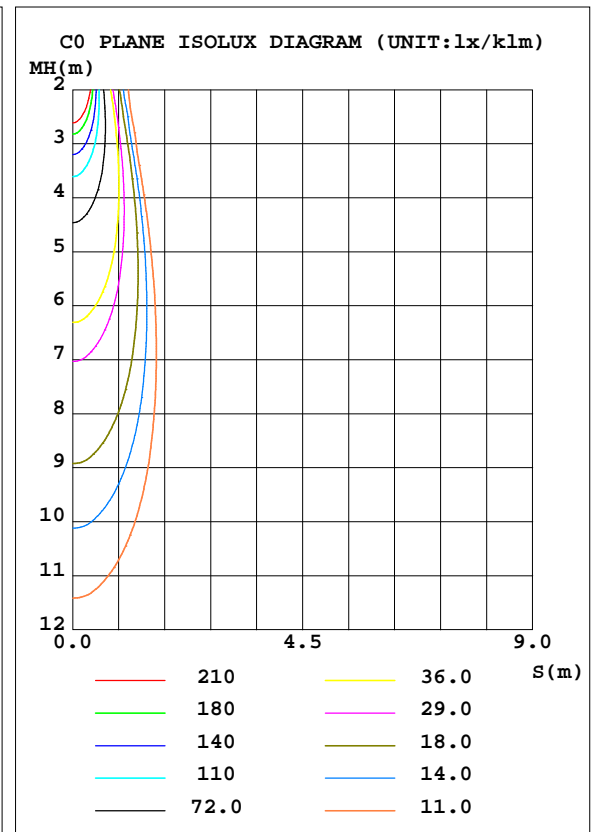
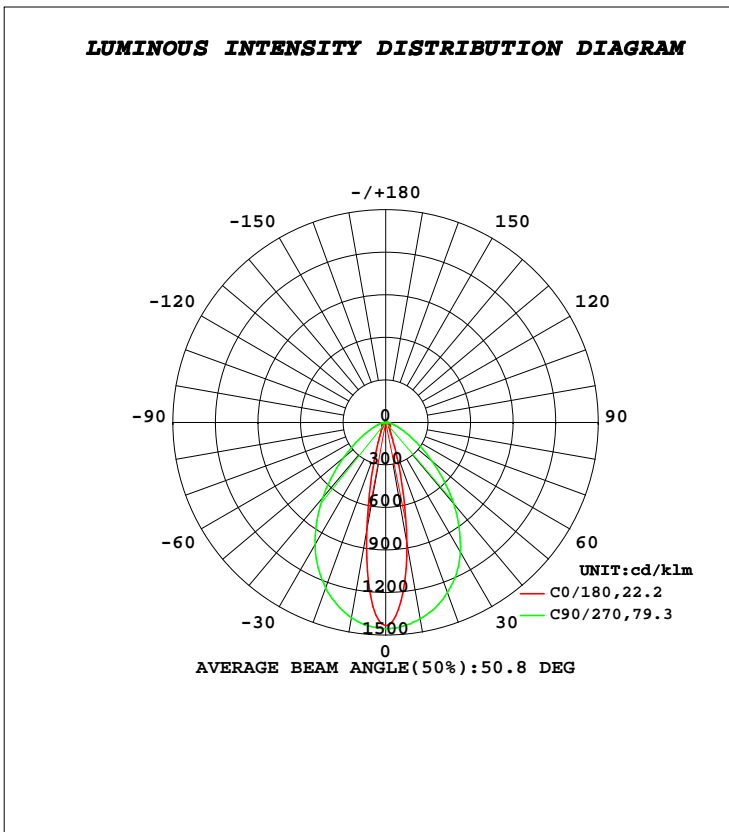


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:226.87V I:0.1818A P:40.004W PF:0.9698 Freq:49.96Hz Lamp Flux:6412.46x1 lm		
NAME: LED Linear Lighting System	TYPE:	WEIGHT:4kg
SPEC.:	DIM.: 1416*70*85mm	SERIAL No.:
MFR.:	SUR.:1416*70mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 160.30 lm/W			
MODEL	CSLS-1540-40SP-05WH	I <sub>max</sub> (cd/klm)	1454	S/MH(C0/180)	0.36
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.06
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm/klm)	1000.0	η UP, DN(C0-180)	1.1,50.0
NOMINAL FLUX(lm)	6412.46	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.9,48.0
LAMPS INSIDE	1	η up(%)	2.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230.0	η down(%)	98.0	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Kaye  
 Test Date:2017-02-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:7.100m [K=1.0000]  
 Remarks:

**ZONAL FLUX DIAGRAM**

**ZONAL FLUX DIAGRAM:**

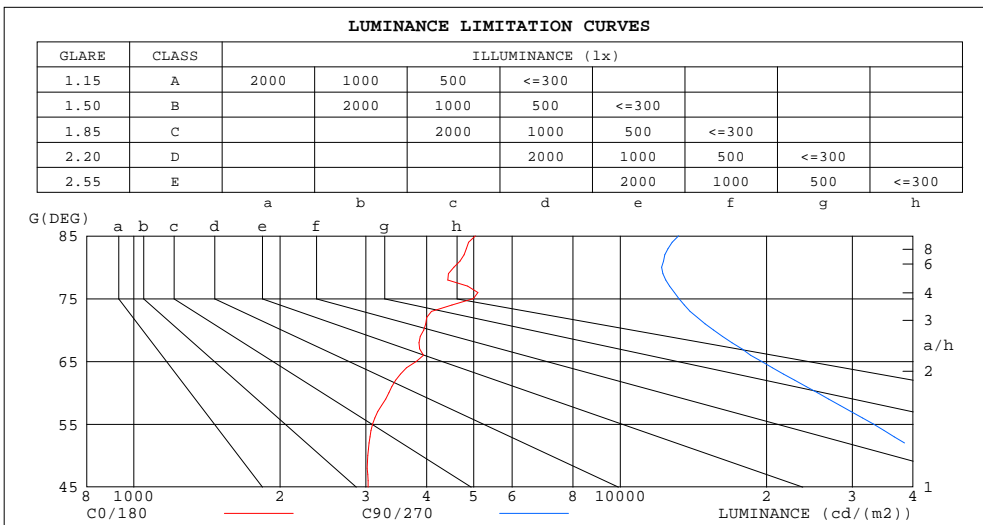
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	863.2	1113	1406	1027	771.9	1033	1399	1113	0- 10	119.7	119.7	12,12
20	185.6	493.4	1276	415.7	175.7	410.8	1240	495.8	10- 20	224.6	344.3	34.4,34.4
30	59.41	149.4	1053	141.4	63.59	139.2	996.5	152.3	20- 30	200.5	544.8	54.5,54.5
40	39.03	68.61	744.3	70.62	41.26	69.60	690.6	69.12	30- 40	160.0	704.8	70.5,70.5
50	30.94	46.15	429.8	47.89	31.73	47.14	389.0	45.61	40- 50	116.5	821.3	82.1,82.1
60	26.62	33.90	202.4	34.86	25.85	34.06	183.9	33.13	50- 60	76.37	897.6	89.8,89.8
70	21.49	24.90	84.64	25.13	19.69	24.35	75.28	24.12	60- 70	45.63	943.3	94.3,94.3
80	12.56	16.36	33.60	16.58	11.18	15.12	29.54	15.31	70- 80	26.36	969.6	97,97
90	4.702	4.449	3.902	4.365	4.553	4.011	2.264	4.091	80- 90	10.74	980.4	98,98
100	4.333	4.133	2.772	4.025	3.862	3.823	2.018	3.783	90-100	4.049	984.4	98.4,98.4
110	4.700	4.676	2.912	4.362	4.321	3.994	1.895	4.015	100-110	4.281	988.7	98.9,98.9
120	4.248	3.377	3.066	3.268	3.800	2.791	1.936	2.653	110-120	3.505	992.2	99.2,99.2
130	3.059	3.057	3.137	3.185	2.553	2.250	1.864	1.923	120-130	2.546	994.7	99.5,99.5
140	2.864	2.973	3.113	2.996	2.084	1.567	1.957	1.361	130-140	1.915	996.6	99.7,99.7
150	3.302	3.059	2.866	3.255	1.475	1.494	1.801	1.245	140-150	1.429	998.1	99.8,99.8
160	3.833	3.039	2.654	3.242	1.147	1.607	1.657	1.280	150-160	1.058	999.1	99.9,99.9
170	3.699	2.629	2.385	2.899	1.363	1.828	1.991	1.623	160-170	0.6491	999.8	100,100
180	2.433	2.204	2.265	2.355	2.436	2.205	2.269	2.357	170-180	0.2179	1000	100,100
DEG	LUMINOUS INTENSITY:cd/klm									UNIT: lm/klm		

**C Range: 0 - 360DEG**  
**C Interval: 22.5DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Kaye**  
**Test Date:2017-02-10**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.366**  
**Humidity:65.0%**  
**Test Distance:7.100m [K=1.0000]**  
**Remarks:**

LUMINANCE LIMITATION CURVES

Test:U:226.87V I:0.1818A P:40.004W PF:0.9698 Freq:49.96Hz Lamp Flux:6412.46x1 lm		
NAME: LED Linear Lighting System	TYPE:	WEIGHT:4kg
SPEC.:	DIM.: 1416*70*85mm	SERIAL No.:
MFR.:	SUR.:1416*70mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5040	13192
80	4549	12163
75	4991	13203
70	3950	15557
65	3810	19517
60	3347	25451
55	3099	33161
50	3027	42036
45	3034	51755

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Kaye  
 Test Date: 2017-02-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 7.100m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:226.87V I:0.1818A P:40.004W PF:0.9698 Freq:49.96Hz Lamp Flux:6412.46x1 Lm		
NAME: LED Linear Lighting System	TYPE:	WEIGHT:4kg
SPEC.:	DIM.: 1416*70*85mm	SERIAL No.:
MFR.:	SUR.:1416*70mm	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Wall Exitance Coefficients(WEC)</b>									
0.0																
1.0	.228	.130	.041	.221	.126	.040	.207	.119	.038	.194	.112	.036	.182	.105	.034	
2.0	.215	.118	.036	.208	.115	.035	.196	.109	.034	.185	.104	.033	.175	.099	.031	
3.0	.201	.107	.032	.195	.105	.031	.185	.100	.030	.175	.096	.029	.166	.092	.028	
4.0	.188	.098	.029	.183	.096	.028	.174	.092	.027	.165	.089	.027	.157	.085	.026	
5.0	.176	.090	.026	.171	.088	.026	.163	.085	.025	.156	.082	.024	.149	.079	.024	
6.0	.165	.083	.024	.161	.081	.023	.154	.079	.023	.147	.077	.023	.141	.074	.022	
7.0	.155	.077	.022	.152	.076	.022	.146	.074	.021	.140	.072	.021	.134	.070	.020	
8.0	.147	.072	.020	.144	.071	.020	.138	.069	.020	.133	.067	.019	.127	.065	.019	
9.0	.139	.067	.019	.136	.066	.019	.131	.065	.018	.126	.063	.018	.121	.062	.018	
10.0	.132	.063	.018	.129	.063	.017	.125	.061	.017	.120	.060	.017	.116	.058	.017	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Ceiling Cavity Exitance Coefficients(CCEC)</b>									
0.0																
1.0	.205	.205	.205	.176	.176	.176	.120	.120	.120	.069	.069	.069	.022	.022	.022	
2.0	.177	.147	.123	.152	.127	.106	.104	.088	.074	.060	.051	.043	.019	.017	.014	
3.0	.166	.129	.099	.143	.111	.086	.098	.077	.060	.057	.045	.036	.018	.015	.012	
4.0	.157	.115	.083	.135	.099	.072	.093	.069	.051	.054	.041	.030	.017	.013	.010	
5.0	.149	.104	.071	.128	.090	.061	.088	.063	.043	.051	.037	.026	.016	.012	.008	
6.0	.141	.095	.062	.121	.082	.054	.084	.058	.038	.049	.034	.023	.016	.011	.007	
7.0	.135	.088	.055	.116	.076	.048	.080	.053	.034	.046	.031	.020	.015	.010	.007	
8.0	.128	.081	.049	.111	.071	.043	.076	.050	.030	.045	.029	.018	.014	.010	.006	
9.0	.123	.076	.045	.106	.066	.039	.073	.047	.028	.043	.027	.017	.014	.009	.005	
10.0	.118	.072	.041	.102	.062	.036	.070	.044	.026	.041	.026	.015	.013	.009	.005	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Kaye  
 Test Date:2017-02-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:7.100m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:226.87V I:0.1818A P:40.004W PF:0.9698 Freq:49.96Hz Lamp Flux:6412.46x1 lm										
NAME: LED Linear Lighting System					TYPE:			WEIGHT:4kg		
SPEC.:					DIM.: 1416*70*85mm			SERIAL No.:		
MFR.:					SUR.:1416*70mm			Shielding Angle:		
<b>ceiling/cavity</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	<b>0.3</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	<b>0.3</b>
<b>walls</b>	<b>0.5</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.3</b>
<b>working plane</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>
<b>Room dimensions</b>	<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>x = 2H y = 2H</b>	<b>5.0</b>	<b>6.1</b>	<b>5.3</b>	<b>6.4</b>	<b>6.6</b>	<b>17.2</b>	<b>18.4</b>	<b>17.5</b>	<b>18.6</b>	<b>18.8</b>
<b>3H</b>	<b>7.1</b>	<b>8.1</b>	<b>7.4</b>	<b>8.3</b>	<b>8.6</b>	<b>17.9</b>	<b>18.9</b>	<b>18.2</b>	<b>19.2</b>	<b>19.4</b>
<b>4H</b>	<b>8.2</b>	<b>9.2</b>	<b>8.5</b>	<b>9.5</b>	<b>9.7</b>	<b>18.2</b>	<b>19.2</b>	<b>18.5</b>	<b>19.4</b>	<b>19.7</b>
<b>6H</b>	<b>9.1</b>	<b>10.1</b>	<b>9.5</b>	<b>10.3</b>	<b>10.6</b>	<b>18.5</b>	<b>19.4</b>	<b>18.8</b>	<b>19.7</b>	<b>20.0</b>
<b>8H</b>	<b>9.5</b>	<b>10.4</b>	<b>9.9</b>	<b>10.7</b>	<b>11.0</b>	<b>18.6</b>	<b>19.5</b>	<b>18.9</b>	<b>19.8</b>	<b>20.1</b>
<b>12H</b>	<b>9.8</b>	<b>10.6</b>	<b>10.1</b>	<b>11.0</b>	<b>11.3</b>	<b>18.7</b>	<b>19.5</b>	<b>19.0</b>	<b>19.9</b>	<b>20.2</b>
<b>4H 2H</b>	<b>6.7</b>	<b>7.7</b>	<b>7.0</b>	<b>8.0</b>	<b>8.2</b>	<b>17.0</b>	<b>18.0</b>	<b>17.3</b>	<b>18.3</b>	<b>18.5</b>
<b>3H</b>	<b>8.6</b>	<b>9.4</b>	<b>9.0</b>	<b>9.8</b>	<b>10.1</b>	<b>17.8</b>	<b>18.6</b>	<b>18.1</b>	<b>18.9</b>	<b>19.2</b>
<b>4H</b>	<b>9.7</b>	<b>10.5</b>	<b>10.1</b>	<b>10.9</b>	<b>11.2</b>	<b>18.1</b>	<b>18.9</b>	<b>18.5</b>	<b>19.2</b>	<b>19.6</b>
<b>6H</b>	<b>10.7</b>	<b>11.4</b>	<b>11.1</b>	<b>11.8</b>	<b>12.2</b>	<b>18.5</b>	<b>19.2</b>	<b>18.9</b>	<b>19.6</b>	<b>20.0</b>
<b>8H</b>	<b>11.1</b>	<b>11.8</b>	<b>11.5</b>	<b>12.1</b>	<b>12.6</b>	<b>18.7</b>	<b>19.3</b>	<b>19.1</b>	<b>19.7</b>	<b>20.1</b>
<b>12H</b>	<b>11.4</b>	<b>12.0</b>	<b>11.9</b>	<b>12.4</b>	<b>12.9</b>	<b>18.9</b>	<b>19.5</b>	<b>19.3</b>	<b>19.9</b>	<b>20.3</b>
<b>8H 4H</b>	<b>10.5</b>	<b>11.1</b>	<b>10.9</b>	<b>11.5</b>	<b>11.9</b>	<b>18.1</b>	<b>18.7</b>	<b>18.5</b>	<b>19.1</b>	<b>19.5</b>
<b>6H</b>	<b>11.6</b>	<b>12.1</b>	<b>12.0</b>	<b>12.5</b>	<b>13.0</b>	<b>18.5</b>	<b>19.0</b>	<b>19.0</b>	<b>19.5</b>	<b>19.9</b>
<b>8H</b>	<b>12.1</b>	<b>12.6</b>	<b>12.6</b>	<b>13.0</b>	<b>13.5</b>	<b>18.8</b>	<b>19.2</b>	<b>19.2</b>	<b>19.7</b>	<b>20.2</b>
<b>12H</b>	<b>12.5</b>	<b>12.9</b>	<b>13.0</b>	<b>13.4</b>	<b>13.9</b>	<b>19.0</b>	<b>19.4</b>	<b>19.5</b>	<b>19.9</b>	<b>20.4</b>
<b>12H 4H</b>	<b>10.6</b>	<b>11.2</b>	<b>11.0</b>	<b>11.6</b>	<b>12.0</b>	<b>18.0</b>	<b>18.6</b>	<b>18.5</b>	<b>19.0</b>	<b>19.5</b>
<b>6H</b>	<b>11.8</b>	<b>12.3</b>	<b>12.3</b>	<b>12.7</b>	<b>13.2</b>	<b>18.5</b>	<b>19.0</b>	<b>19.0</b>	<b>19.4</b>	<b>19.9</b>
<b>8H</b>	<b>12.4</b>	<b>12.8</b>	<b>12.9</b>	<b>13.3</b>	<b>13.8</b>	<b>18.8</b>	<b>19.2</b>	<b>19.3</b>	<b>19.6</b>	<b>20.2</b>
<b>Variations with the observer position at spacings:</b>										
<b>S = 1.0H</b>	<b>+ 0.2 / - 0.2</b>					<b>+ 2.0 / - 1.1</b>				
<b>1.5H</b>	<b>+ 0.2 / - 0.2</b>					<b>+ 3.0 / - 2.9</b>				
<b>2.0H</b>	<b>+ 0.3 / - 0.4</b>					<b>+ 4.4 / - 3.5</b>				

CIE Pub.117, 6412 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 6.5$ )

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Kaye  
 Test Date: 2017-02-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 7.100m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:226.87V I:0.1818A P:40.004W PF:0.9698 Freq:49.96Hz Lamp Flux:6412.46x1 Lm		
NAME: LED Linear Lighting System	TYPE:	WEIGHT:4kg
SPEC.:	DIM.: 1416*70*85mm	SERIAL No.:
MFR.:	SUR.:1416*70mm	Shielding Angle:

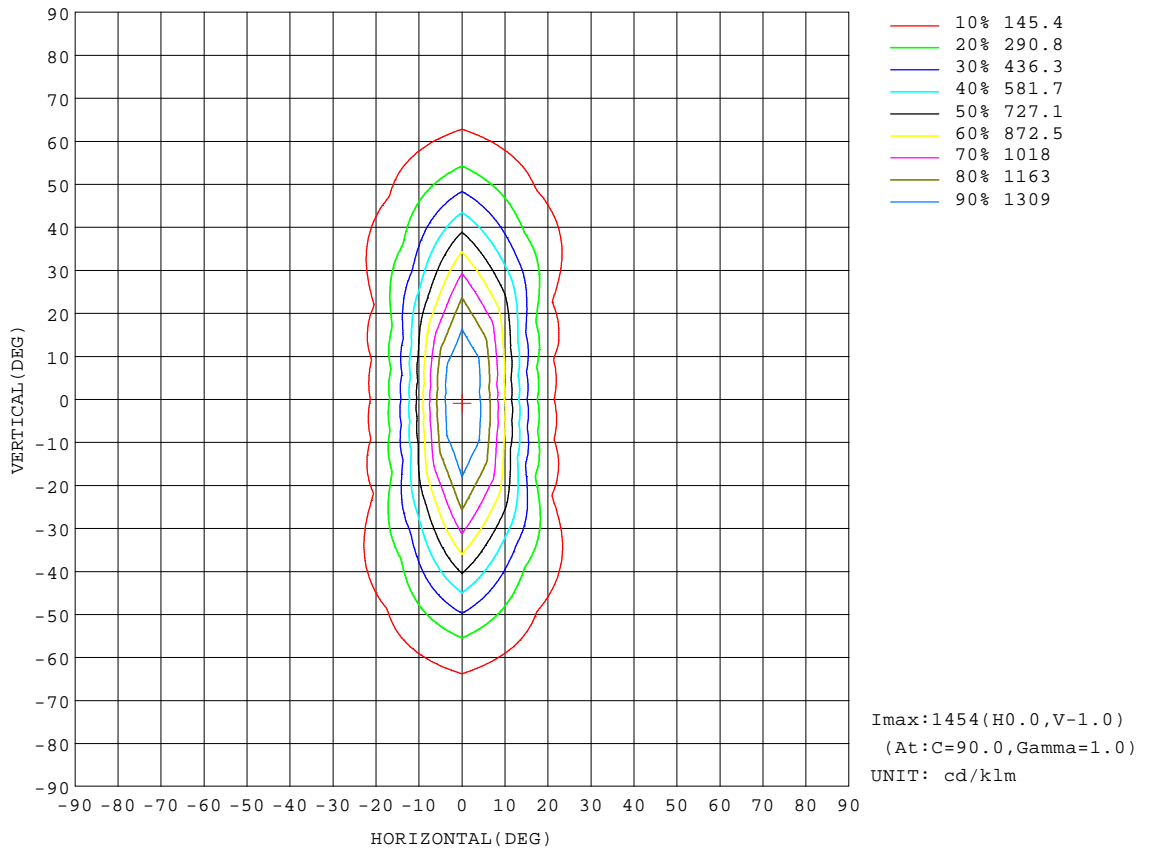
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	73	64	59	72	64	59	71	64	59	54
0.80	82	73	68	81	73	68	79	72	67	62
1.00	88	80	75	87	80	75	85	80	74	69
1.25	94	86	81	92	86	81	90	84	80	74
1.50	98	90	86	96	90	85	93	88	84	78
2.00	102	96	91	100	95	90	97	92	89	82
2.50	105	99	95	103	98	94	99	95	92	84
3.00	107	102	98	105	100	97	101	97	94	87
4.00	110	106	102	107	104	101	103	100	98	89
5.00	112	108	105	109	106	103	105	102	100	91
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Kaye  
 Test Date:2017-02-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:7.100m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:226.87V I:0.1818A P:40.004W PF:0.9698 Freq:49.96Hz Lamp Flux:6412.46x1 lm		
NAME: LED Linear Lighting System	TYPE:	WEIGHT:4kg
SPEC.:	DIM.: 1416*70*85mm	SERIAL No.:
MFR.:	SUR.:1416*70mm	Shielding Angle:



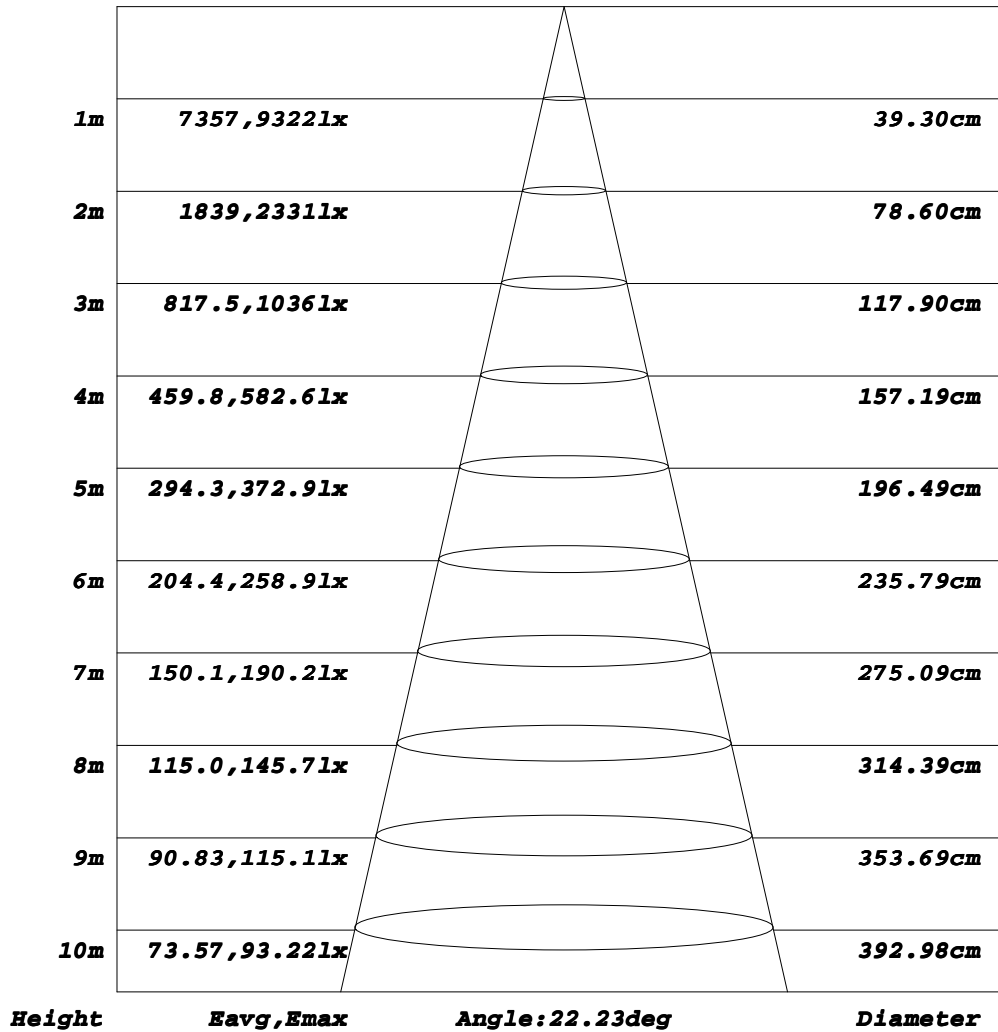
**C Range: 0 - 360DEG**  
**C Interval: 22.5DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: Kaye**  
**Test Date: 2017-02-10**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.366**  
**Humidity: 65.0%**  
**Test Distance: 7.100m [K=1.0000]**  
**Remarks:**

**AAI Figure**

Test:U:226.87V I:0.1818A P:40.004W PF:0.9698 Freq:49.96Hz Lamp Flux:6412.46x1 lm		
NAME: LED Linear Lighting System	TYPE:	WEIGHT:4kg
SPEC.:	DIM.: 1416*70*85mm	SERIAL No.:
MFR.:	SUR.:1416*70mm	Shielding Angle:

**Flux out:1044 lm**



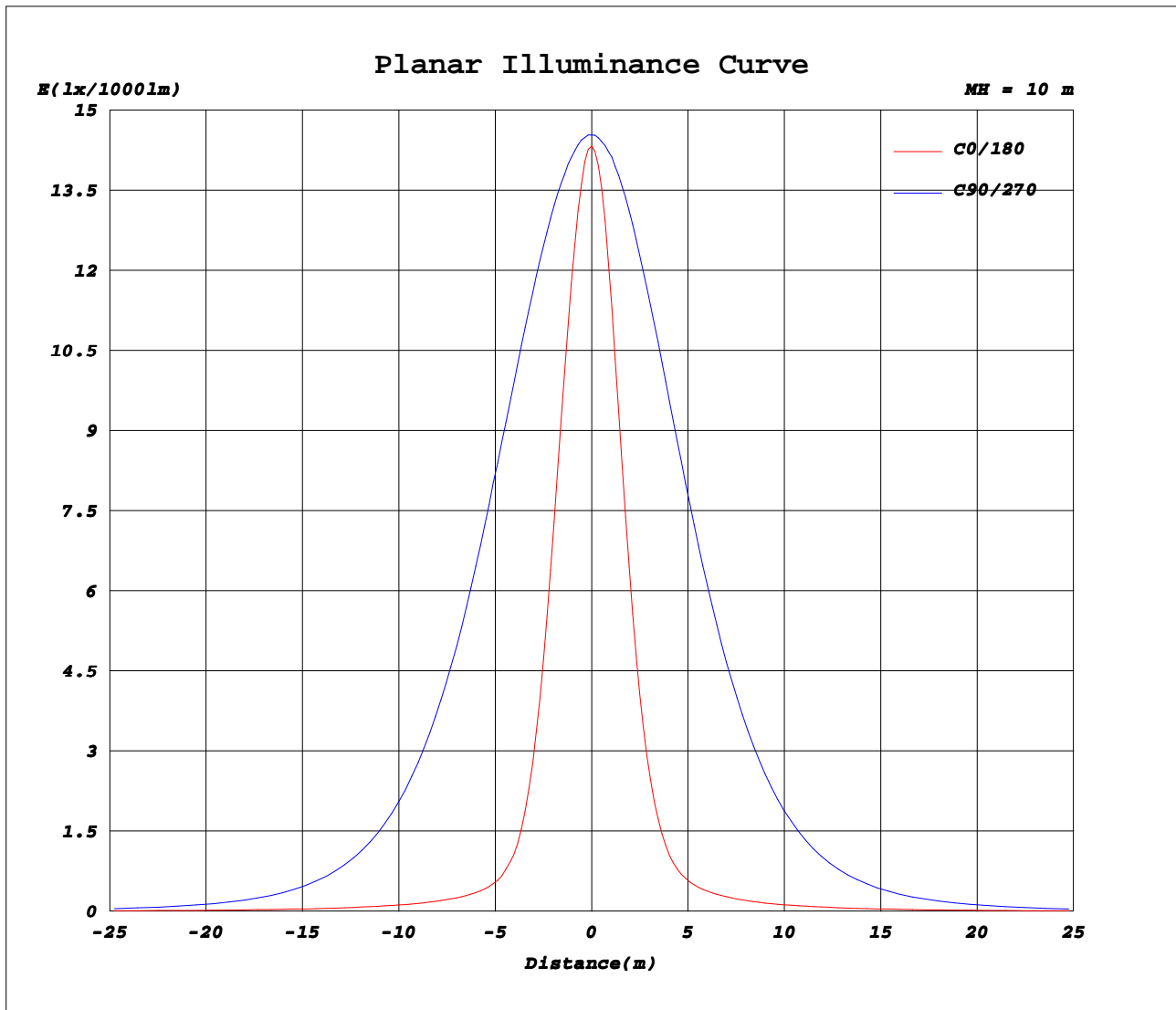
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

**C Range: 0 - 360DEG**  
**C Interval: 22.5DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Kaye**  
**Test Date:2017-02-10**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.366**  
**Humidity:65.0%**  
**Test Distance:7.100m [K=1.0000]**  
**Remarks:**



Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Kaye  
 Test Date: 2017-02-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 7.100m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:226.87V I:0.1818A P:40.004W PF:0.9698 Freq:49.96Hz Lamp Flux:6412.46x1 lm		
NAME: LED Linear Lighting System	TYPE:	WEIGHT:4kg
SPEC.:	DIM.: 1416*70*85mm	SERIAL No.:
MFR.:	SUR.:1416*70mm	Shielding Angle:

Table--1

UNIT: cd/klm

C( DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1433	1431	1442	1453	1454	1452	1433	1422	1433	1431	1442	1453	1454	1452	1433	1422			
5	1262	1292	1350	1421	1441	1404	1321	1250	1228	1243	1326	1405	1439	1420	1345	1273			
10	863	942	1113	1321	1406	1285	1027	838	772	823	1033	1272	1399	1317	1113	920			
15	444	534	797	1182	1354	1104	690	453	386	441	690	1075	1330	1165	800	521			
20	186	248	493	1007	1276	897	416	221	176	214	411	858	1240	983	496	241			
25	89.2	113	273	814	1180	693	240	115	93.1	115	236	653	1130	787	279	115			
30	59.4	69.8	149	625	1053	520	141	74.4	63.6	73.6	139	486	997	602	152	68.9			
35	46.8	52.8	93.6	453	904	384	94.4	56.7	49.9	56.1	92.8	356	847	440	94.9	51.9			
40	39.0	43.3	68.6	319	744	282	70.6	46.4	41.3	45.8	69.6	259	691	311	69.1	42.6			
45	34.1	36.8	54.9	223	582	208	57.1	39.0	35.5	38.7	56.0	190	532	218	54.9	36.2			
50	30.9	32.6	46.2	160	430	155	47.9	34.0	31.7	33.7	47.1	140	389	154	45.6	31.8			
55	28.3	29.1	38.6	116	303	116	40.4	29.9	28.3	29.6	39.7	103	274	111	37.9	28.5			
60	26.6	26.3	33.9	82.6	202	84.7	34.9	26.6	25.8	26.3	34.1	75.0	184	77.2	33.1	25.7			
65	25.6	24.0	29.1	55.1	131	59.1	29.6	23.6	23.8	23.5	28.7	51.2	119	50.3	28.3	23.4			
70	21.5	20.9	24.9	38.1	84.6	39.4	25.1	20.3	19.7	19.9	24.4	35.3	75.3	34.9	24.1	20.0			
75	20.5	18.1	20.8	28.3	54.4	28.6	21.0	16.8	17.8	17.5	19.9	25.4	47.8	25.5	19.9	18.9			
80	12.6	12.3	16.4	19.4	33.6	19.5	16.6	11.9	11.2	11.4	15.1	16.9	29.5	16.9	15.3	11.8			
85	6.99	7.61	9.72	11.6	18.3	11.6	9.73	7.52	6.54	6.87	8.31	8.69	14.3	8.64	8.21	6.85			
90	4.70	4.95	4.45	4.27	3.90	4.28	4.37	5.04	4.55	4.64	4.01	3.44	2.26	3.45	4.09	4.56			
95	3.76	3.92	4.51	3.61	2.76	3.52	4.25	3.91	3.66	3.76	4.15	3.05	2.15	3.09	4.21	3.75			
100	4.33	4.28	4.13	3.48	2.77	3.33	4.03	4.08	3.86	4.09	3.82	2.77	2.02	2.86	3.78	4.18			
105	6.31	6.22	5.17	3.43	2.76	3.29	4.60	5.52	5.46	5.50	4.62	2.72	1.95	2.71	4.92	5.84			
110	4.70	4.64	4.68	3.75	2.91	3.62	4.36	4.45	4.32	4.32	3.99	2.79	1.90	2.75	4.02	4.36			
115	4.75	4.55	3.90	3.47	2.97	3.42	3.57	4.35	4.23	4.14	3.16	2.53	1.95	2.43	3.15	4.24			
120	4.25	3.92	3.38	3.35	3.07	3.30	3.27	3.69	3.80	3.41	2.79	2.29	1.94	2.17	2.65	3.33			
125	3.35	3.26	3.20	3.16	3.12	3.12	3.30	3.00	2.89	2.76	2.59	2.02	1.94	1.88	2.32	2.91			
130	3.06	3.03	3.06	3.10	3.14	3.06	3.18	2.80	2.55	2.45	2.25	1.86	1.86	1.73	1.92	2.56			
135	2.93	2.96	2.96	3.09	3.14	3.04	3.03	2.78	2.37	2.24	1.85	1.77	1.94	1.63	1.58	2.22			
140	2.86	2.74	2.97	3.06	3.11	3.01	3.00	2.74	2.08	1.85	1.57	1.74	1.96	1.54	1.36	1.61			
145	2.96	2.76	3.08	3.04	2.99	3.00	3.13	2.82	1.62	1.51	1.50	1.76	1.87	1.47	1.29	1.30			
150	3.30	3.04	3.06	2.98	2.87	2.96	3.26	3.19	1.48	1.38	1.49	1.78	1.80	1.45	1.25	1.18			
155	3.62	3.34	3.10	2.88	2.75	2.90	3.27	3.46	1.29	1.25	1.52	1.70	1.76	1.36	1.23	1.12			
160	3.83	3.50	3.04	2.73	2.65	2.81	3.24	3.60	1.15	1.22	1.61	1.77	1.66	1.44	1.28	1.09			
165	3.88	3.44	2.87	2.47	2.50	2.69	3.12	3.59	1.16	1.34	1.72	1.87	1.82	1.63	1.41	1.15			
170	3.70	3.14	2.63	2.37	2.39	2.56	2.90	3.35	1.36	1.54	1.83	2.00	1.99	1.87	1.62	1.34			
175	3.16	2.67	2.39	2.29	2.31	2.44	2.65	2.91	1.78	1.83	2.00	2.11	2.15	2.11	1.97	1.73			
180	2.43	2.24	2.20	2.22	2.26	2.32	2.36	2.33	2.44	2.23	2.20	2.22	2.27	2.31	2.36	2.33			

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