

Luminaire Photograph

202 026 105 03 DOWN LIGHT 4000K 16W
Hera GmbH & Co. KG



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Killua
Test Date:2015-03-11

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203
Humidity:65.0%
Test Distance:2.500m [K=1.3016]
Remarks: LAMP:SMD 3014 4000K 1438mm 16W nw
LANS:WHITE PC
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

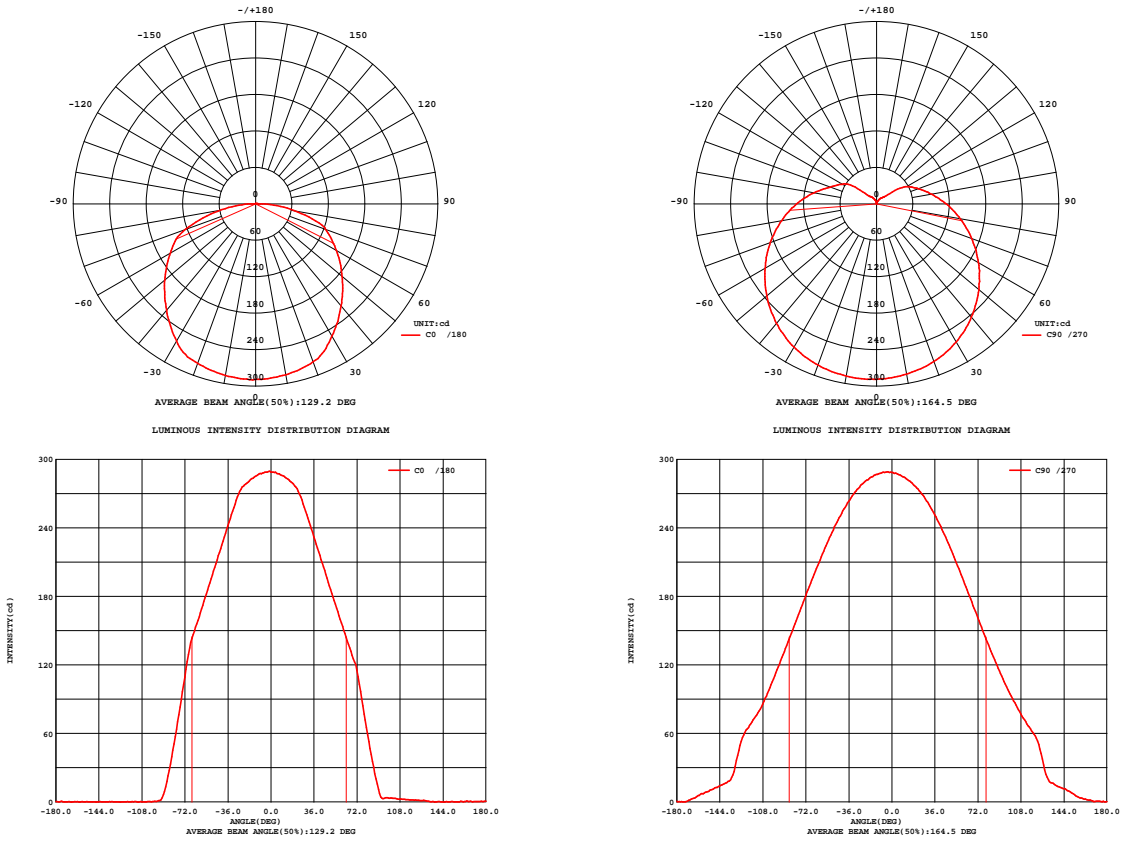


Fig. C0/C180

Fig. C90/C270

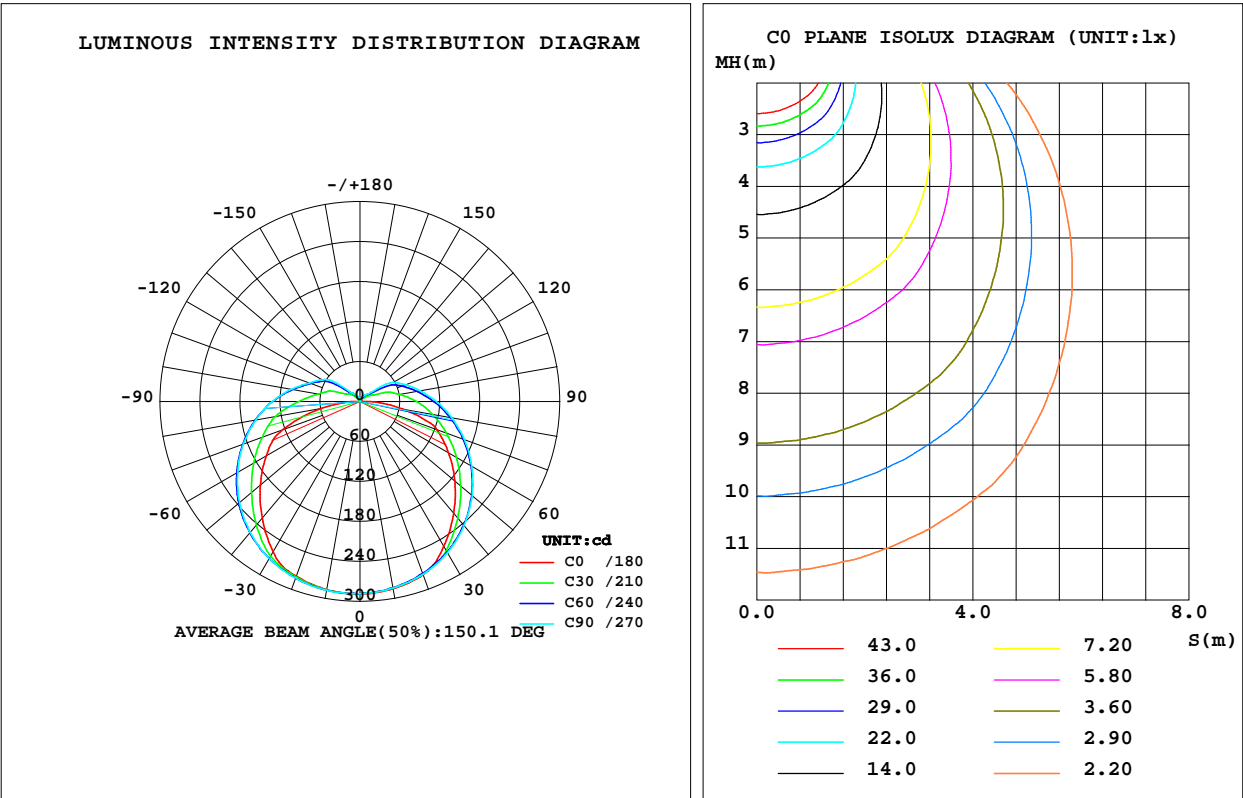
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LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:231.1V I:0.0737A P:15.82W PF:0.9289 Lamp Flux:1603x1 lm		
NAME: 202 026 105 03	TYPE:DOWN LIGHT	WEIGHT:
DIMENSION:	SPECIFICATION:4000K 16W SERIAL No.:1503116716	
MANUFACTURER: Hera GmbH & Co. KG	SURFACE:0.0276m2	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 90.11 lm/W			
MODEL	SMD 3014	Imax(cd)	289.5	S/MH(C0/180)	1.33
NOMINAL POWER(W)	16	EFFICIENCY(%)	88.9	S/MH(C90/270)	1.41
RATED VOLTAGE(V)	232	TOTAL FLUX(lm)	1425.5	h UP(C0-180)	8.0
NOMINAL FLUX(lm)	1602.8	CIE CLASS	SEMI-D.	h DN(C0-180)	38.1
LAMPS INSIDE	1	h up(%)	14.9	h UP(C180-360)	6.9
TEST VOLTAGE(V)	231.1	h down(%)	74.0	h DN(C180-360)	35.9

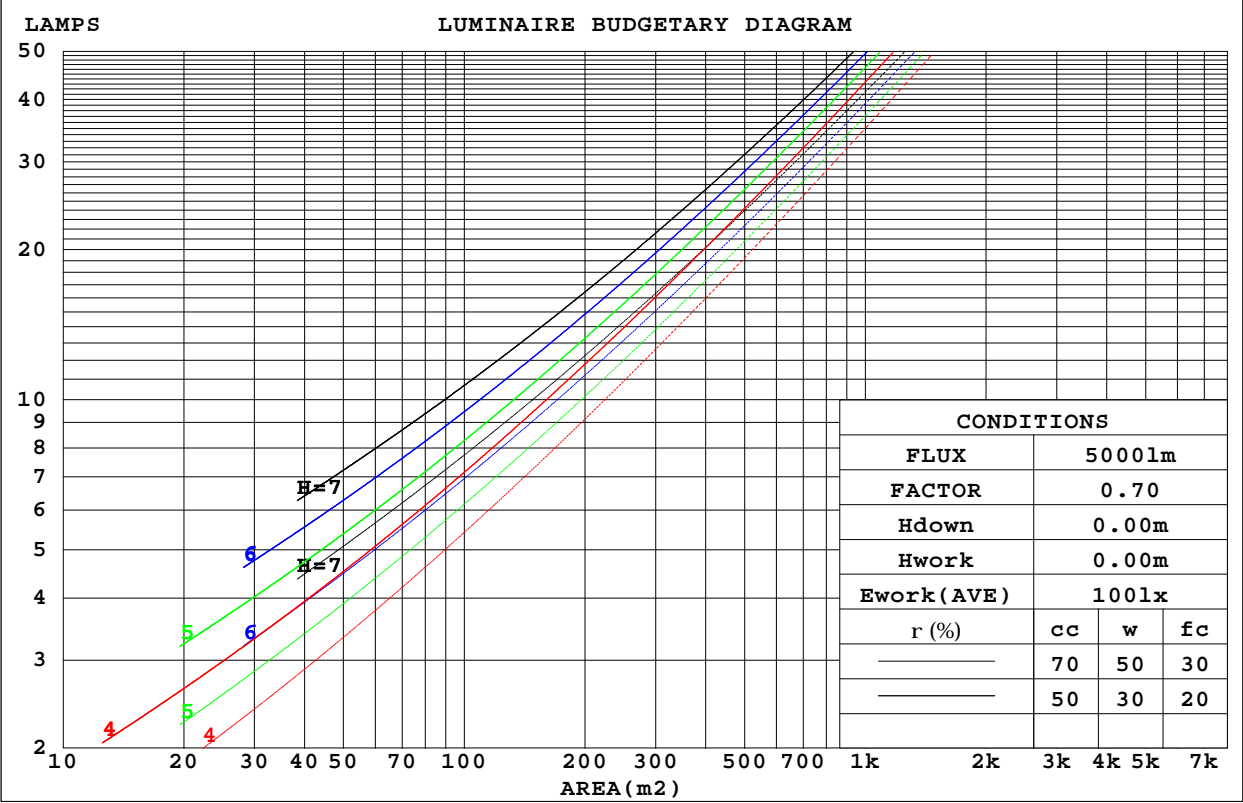


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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	1.02	1.02	1.02	.98	.98	.98	.91	.91	.91	.84	.84	.84	.77	.77	.77	.74
1.0	.85	.80	.75	.81	.77	.73	.74	.71	.67	.68	.65	.63	.63	.60	.58	.55
2.0	.72	.65	.59	.69	.62	.57	.63	.58	.53	.58	.54	.50	.53	.50	.46	.44
3.0	.62	.54	.47	.60	.52	.46	.55	.49	.43	.50	.45	.41	.46	.42	.38	.35
4.0	.55	.46	.39	.52	.44	.38	.48	.41	.36	.44	.39	.34	.41	.36	.32	.29
5.0	.48	.40	.33	.46	.38	.32	.43	.36	.31	.39	.34	.29	.36	.31	.27	.25
6.0	.43	.35	.29	.42	.34	.28	.38	.32	.27	.35	.30	.25	.33	.28	.24	.21
7.0	.39	.31	.25	.37	.30	.24	.35	.28	.23	.32	.26	.22	.30	.25	.21	.19
8.0	.35	.27	.22	.34	.27	.22	.32	.25	.21	.29	.24	.19	.27	.22	.19	.17
9.0	.32	.25	.20	.31	.24	.19	.29	.23	.18	.27	.21	.17	.25	.20	.17	.15
10.0	.30	.22	.18	.29	.22	.17	.27	.21	.16	.25	.20	.16	.23	.18	.15	.13



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ZONAL FLUX DIAGRAM

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g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	287.0	287.0	287.5	287.0	285.5	283.9	284.5	285.2	0- 10	27.42	27.42	1.92,1.71
20	279.2	281.2	281.9	280.3	276.6	275.4	276.0	277.1	10- 20	80.01	107.4	7.54,6.7
30	260.6	270.0	272.2	267.2	251.5	260.0	262.4	263.9	20- 30	125.8	233.2	16.4,14.5
40	228.3	249.5	256.6	245.9	219.0	235.3	243.1	240.8	30- 40	158.5	391.7	27.5,24.4
50	195.4	225.0	236.1	221.0	186.1	208.2	220.0	214.3	40- 50	176.2	567.9	39.8,35.4
60	162.1	199.0	211.9	195.0	153.5	179.7	193.4	185.7	50- 60	179.8	747.7	52.5,46.6
70	122.8	171.4	186.0	167.9	122.6	151.3	166.8	157.7	60- 70	171.1	918.8	64.5,57.3
80	57.34	144.1	158.6	140.6	65.03	123.8	139.8	129.9	70- 80	149.6	1068	75.6,6.7
90	6.695	111.6	131.6	114.0	11.20	97.96	114.8	102.9	80- 90	118.3	1187	83.3,74
100	0.1043	83.73	105.1	86.85	3.635	74.48	92.52	78.04	90-100	88.70	1275	89.5,79.6
110	0.2214	63.08	81.39	65.73	2.472	54.53	73.51	58.20	100-110	65.47	1341	94.1,83.7
120	0.4333	42.65	65.18	43.23	1.658	33.06	57.85	35.83	110-120	43.86	1385	97.1,86.4
130	0.0625	20.27	36.49	21.07	0.8624	14.48	21.66	16.41	120-130	23.95	1409	98.8,87.9
140	0.2693	12.64	16.06	12.66	0.3804	7.491	13.26	9.098	130-140	9.674	1418	99.5,88.5
150	0.1511	7.303	11.11	7.667	0.0103	3.545	8.291	4.488	140-150	4.761	1423	99.8,88.8
160	0	3.580	6.726	3.605	0.5166	1.003	2.987	1.314	150-160	1.813	1425	100,88.9
170	0.0377	0.7093	1.599	0.5168	0.5069	0.4169	0.3285	0.6127	160-170	0.4325	1425	100,88.9
180	0.4359	0.2060	0.6037	0.2709	0.8053	0.2562	0.4050	0.5255	170-180	0.0443	1425	100,88.9
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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WEC AND CCEC

rcc	80%			70%			50%			30%			10%			0	
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
rfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.356	.203	.064	.345	.197	.063	.325	.186	.059	.306	.176	.057	.288	.167	.054		
2.0	.306	.168	.051	.296	.163	.050	.277	.154	.048	.260	.146	.046	.244	.138	.044		
3.0	.270	.144	.043	.261	.140	.042	.244	.132	.040	.229	.125	.038	.214	.119	.037		
4.0	.242	.126	.037	.234	.123	.036	.219	.116	.035	.205	.110	.033	.192	.104	.032		
5.0	.220	.112	.032	.212	.109	.032	.198	.103	.030	.186	.098	.029	.174	.093	.028		
6.0	.201	.101	.029	.194	.098	.028	.182	.093	.027	.170	.088	.026	.159	.084	.025		
7.0	.185	.091	.026	.179	.089	.025	.167	.085	.024	.156	.080	.023	.146	.076	.022		
8.0	.171	.084	.024	.166	.082	.023	.155	.077	.022	.145	.074	.021	.136	.070	.020		
9.0	.159	.077	.022	.154	.075	.021	.145	.071	.020	.135	.068	.019	.127	.064	.019		
10.0	.149	.071	.020	.144	.070	.019	.135	.066	.019	.127	.063	.018	.119	.060	.017		

rcc	80%			70%			50%			30%			10%			0	
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
rfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.283	.283	.283	.242	.242	.242	.165	.165	.165	.095	.095	.095	.030	.030	.030		
1.0	.280	.253	.228	.240	.217	.196	.164	.149	.135	.094	.086	.079	.030	.028	.025		
2.0	.275	.232	.197	.235	.200	.170	.161	.138	.119	.093	.080	.070	.030	.026	.023		
3.0	.268	.218	.178	.230	.188	.154	.158	.130	.108	.091	.076	.064	.029	.025	.021		
4.0	.261	.207	.165	.224	.178	.143	.154	.124	.101	.089	.073	.060	.029	.024	.020		
5.0	.254	.198	.156	.218	.171	.136	.150	.120	.096	.087	.070	.057	.028	.023	.019		
6.0	.247	.191	.150	.212	.165	.131	.147	.116	.093	.085	.068	.055	.027	.022	.018		
7.0	.241	.185	.146	.207	.160	.127	.143	.112	.090	.083	.066	.054	.027	.022	.018		
8.0	.235	.180	.142	.202	.156	.124	.140	.110	.088	.081	.065	.052	.026	.021	.017		
9.0	.229	.176	.140	.197	.152	.122	.137	.107	.086	.080	.063	.052	.026	.021	.017		
10.0	.224	.172	.138	.193	.149	.120	.134	.105	.085	.078	.062	.051	.025	.020	.017		

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 30minutes warm-up

Uncorrected UGR Table

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	20.4	21.8	20.9	22.3	22.8	21.5	22.9	22.0	23.4	24.0
3H	22.5	23.8	23.0	24.3	24.9	24.2	25.5	24.7	26.0	26.6
4H	23.4	24.7	24.0	25.2	25.8	25.6	26.9	26.2	27.4	28.0
6H	24.2	25.4	24.7	25.9	26.6	27.2	28.4	27.8	28.9	29.6
8H	24.5	25.6	25.0	26.2	26.8	28.1	29.2	28.7	29.8	30.4
12H	24.6	25.7	25.2	26.3	27.0	29.1	30.2	29.7	30.8	31.4
4H 2H	21.4	22.7	22.0	23.2	23.8	22.3	23.5	22.8	24.1	24.7
3H	23.8	24.9	24.4	25.5	26.2	25.2	26.3	25.7	26.8	27.5
4H	25.0	26.0	25.6	26.6	27.3	26.8	27.8	27.4	28.4	29.1
6H	26.0	26.9	26.6	27.5	28.2	28.6	29.5	29.2	30.1	30.8
8H	26.4	27.2	27.0	27.9	28.6	29.6	30.4	30.2	31.1	31.8
12H	26.7	27.5	27.3	28.1	28.9	30.7	31.5	31.4	32.1	32.9
8H 4H	25.9	26.7	26.5	27.4	28.1	27.3	28.2	28.0	28.8	29.5
6H	27.3	28.1	28.0	28.7	29.5	29.4	30.1	30.1	30.8	31.6
8H	28.0	28.6	28.7	29.3	30.1	30.6	31.3	31.3	32.0	32.8
12H	28.5	29.1	29.3	29.8	30.6	32.0	32.6	32.7	33.3	34.1
12H 4H	26.2	26.9	26.8	27.6	28.4	27.4	28.2	28.1	28.8	29.6
6H	27.8	28.4	28.5	29.1	29.9	29.6	30.3	30.3	31.0	31.8
8H	28.6	29.2	29.4	29.9	30.7	30.9	31.5	31.7	32.2	33.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 1603 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.6)

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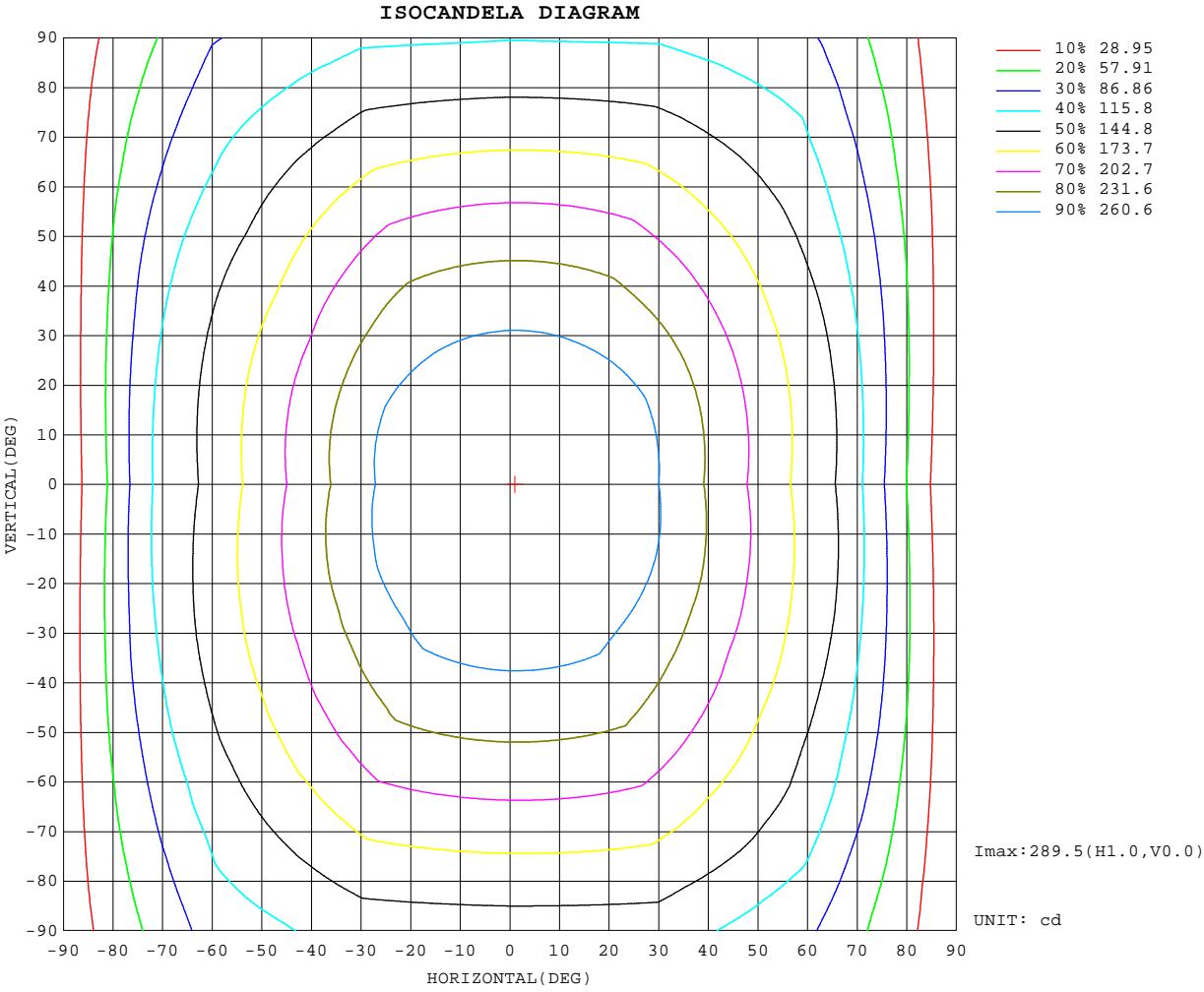
UTILIZATION FACTORS TABLE

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	42	31	24	41	30	24	39	30	24	18
0.80	50	38	31	49	38	31	46	36	30	23
1.00	57	45	37	55	44	37	52	45	36	28
1.25	63	51	44	61	50	43	57	48	42	33
1.50	67	56	48	65	55	48	61	52	46	37
2.00	74	64	56	71	62	55	67	59	53	43
2.50	78	69	61	75	67	60	70	63	57	46
3.00	82	73	66	78	71	64	73	66	61	49
4.00	86	78	72	82	76	70	76	71	66	54
5.00	89	82	77	85	79	74	79	74	70	57
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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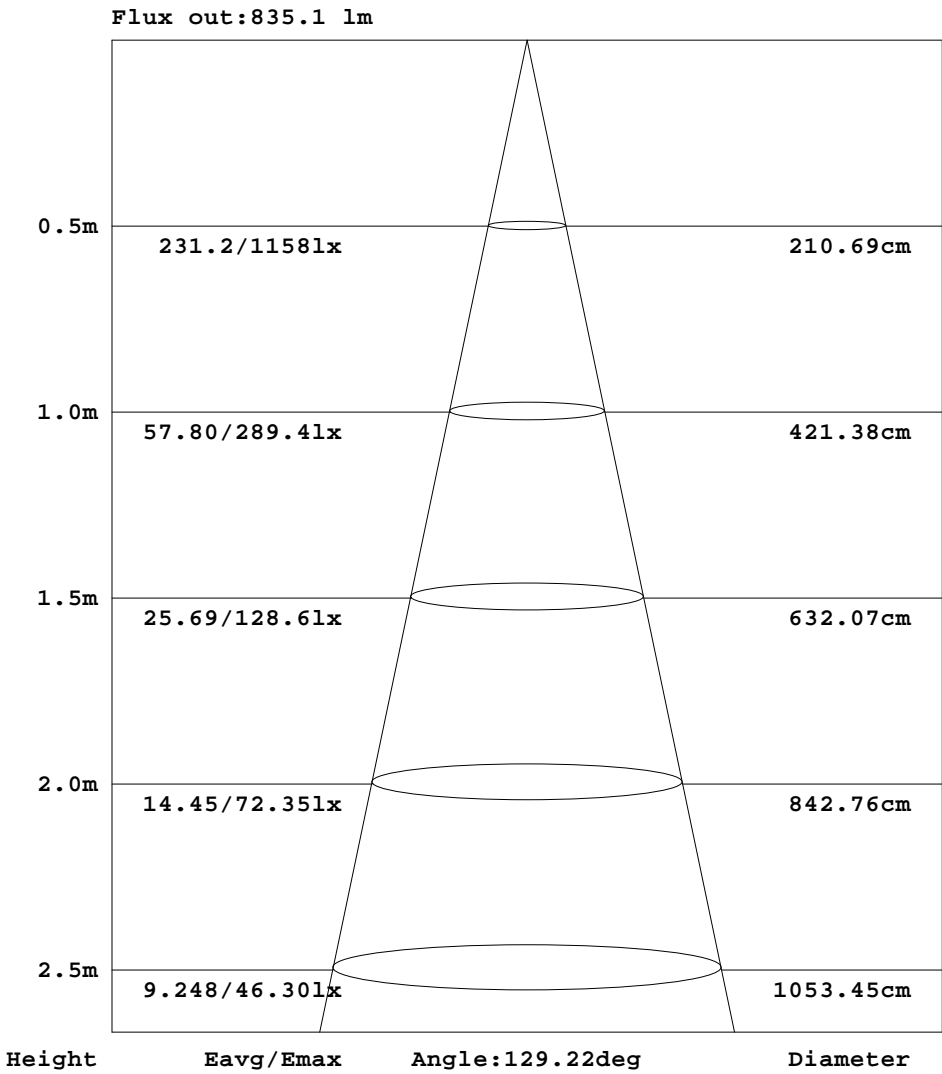
ISOCANDELA DIAGRAM



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AAI Figure



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

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LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C(°) \ g(°)	0	30	60	90	120	150	180	210	240	270	300	330						
0	289	289	288	288	289	288	289	289	288	288	289	288						
5	289	288	289	289	288	288	287	287	287	287	287	287						
10	287	287	287	288	288	286	286	284	284	285	285	286						
15	283	285	286	286	285	283	282	281	280	281	281	282						
20	279	280	282	282	282	279	277	276	275	276	277	278						
25	273	275	278	278	277	273	267	270	268	270	270	272						
30	261	268	272	272	271	263	251	259	261	262	263	265						
35	245	256	265	265	264	250	236	244	252	253	254	253						
40	228	242	257	257	256	236	219	229	242	243	244	238						
45	212	227	248	247	246	221	203	213	231	232	233	222						
50	195	213	237	236	235	207	186	198	219	220	221	207						
55	179	198	226	224	224	193	170	182	206	207	208	192						
60	162	184	214	212	211	179	154	167	192	193	194	177						
65	147	170	201	199	198	165	138	152	179	181	181	162						
70	123	156	187	186	185	151	123	138	165	167	167	148						
75	90.1	143	173	172	170	138	96.7	124	151	153	153	134						
80	57.3	129	160	159	157	125	65.0	111	137	140	139	120						
85	27.6	110	145	145	143	111	35.4	97.6	124	127	126	107						
90	6.69	92.1	131	132	129	98.8	11.2	85.1	111	115	113	92.9						
95	0.67	77.1	117	118	115	85.5	3.25	72.8	98.9	103	101	78.8						
100	0.10	64.1	103	105	102	71.9	3.63	61.1	87.9	92.5	89.4	66.7						
105	0.26	54.9	90.3	92.6	89.0	61.9	3.03	51.7	77.2	82.5	79.4	56.7						
110	0.22	46.5	79.6	81.4	77.6	53.8	2.47	41.3	67.8	73.5	70.0	46.4						
115	0.01	29.7	70.4	73.1	69.8	37.0	2.13	24.7	59.6	65.6	61.7	28.9						
120	0.43	23.8	61.6	65.2	61.7	24.8	1.66	19.3	46.8	57.9	48.4	23.2						
125	0.26	20.4	44.9	56.5	46.6	20.4	1.24	15.1	25.3	42.4	26.3	18.0						
130	0.06	15.9	24.6	36.5	25.6	16.5	0.86	10.8	18.1	21.7	18.7	14.1						
135	0.42	12.1	18.7	19.4	18.9	12.9	0.45	4.92	14.5	16.3	15.6	9.68						
140	0.27	9.60	15.7	16.1	15.1	10.2	0.38	2.65	12.3	13.3	12.3	5.92						
145	0.04	6.41	13.0	13.6	12.7	7.71	0.00	1.85	9.01	11.5	9.69	3.93						
150	0.15	4.30	10.3	11.1	10.4	4.95	0.01	1.56	5.53	8.29	6.49	2.48						
155	0.17	3.05	7.53	8.96	8.00	3.57	0.15	1.03	2.47	4.81	3.82	0.91						
160	0.00	1.50	5.66	6.73	5.58	1.63	0.52	0.16	1.85	2.99	2.09	0.54						
165	0.16	0.08	3.25	3.60	3.08	0.64	0.36	0.28	0.86	1.66	1.04	0.55						
170	0.04	0.13	1.29	1.60	0.85	0.18	0.51	0.47	0.36	0.33	0.69	0.53						
175	0.62	0.38	0.00	0.28	0.02	0.13	0.29	0.48	0.55	0.52	0.58	0.36						
180	0.44	0.39	0.03	0.60	0.00	0.54	0.81	0.24	0.28	0.41	0.59	0.46						

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Killua
 Test Date: 2015-03-11

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203
 Humidity: 65.0%
 Test Distance: 2.500m [K=1.3016]
 Remarks: LAMP: SMD 3014 4000K 1438mm 16W nw
 LANS: WHITE PC
 30minutes warm-up

Photometric Data Table [cd]

G/C	0.0	30.0	60.0	90.0	120.0	150.0	180.0	210.0	240.0	270.0
0.0	288.8	288.6	288.2	288.4	288.8	288.4	288.8	288.6	288.2	288.4
3.0	288.6	288.6	288.7	288.8	289.0	288.2	288.5	288.0	287.5	287.8
6.0	288.2	288.1	288.3	288.5	288.4	288.0	287.3	286.4	285.9	286.4
9.0	287.4	287.5	288.2	287.8	287.6	286.8	285.9	285.0	284.2	284.7
12.0	285.6	286.0	286.8	286.7	286.6	285.4	284.1	283.3	282.2	282.9
15.0	283.4	284.5	285.7	285.7	285.3	283.3	282.0	280.6	279.9	280.9
18.0	280.9	281.9	283.9	284.0	283.2	280.7	279.1	278.4	276.9	277.8
21.0	278.2	279.7	281.2	281.6	280.8	277.6	275.6	274.6	273.8	274.7
24.0	275.7	276.6	278.3	278.8	278.1	274.8	269.4	271.1	269.5	271.4
27.0	269.6	272.9	275.7	275.4	274.6	270.6	260.8	266.2	265.8	267.2
30.0	260.6	268.0	272.0	272.2	271.0	263.3	251.5	258.9	261.1	262.4
33.0	251.5	261.1	268.5	268.1	267.2	255.7	241.9	249.6	256.1	256.8
36.0	241.7	253.3	263.7	263.2	262.6	247.3	231.9	240.5	250.2	251.1
39.0	231.8	245.0	258.9	257.8	257.0	238.8	222.2	231.8	244.0	245.3
42.0	221.6	236.3	253.7	252.4	251.9	230.1	212.3	222.3	237.8	238.6
45.0	212.0	227.3	247.8	246.9	246.2	221.2	202.5	213.0	230.9	231.8
48.0	202.1	218.3	242.0	240.7	239.7	212.9	192.0	203.5	223.4	224.7
51.0	191.7	209.5	235.3	233.6	233.2	204.6	182.6	194.5	216.1	217.3
54.0	182.0	201.0	228.4	226.6	226.4	195.9	173.2	185.3	208.6	209.4
57.0	172.2	192.6	221.2	219.5	218.7	187.4	163.2	176.0	200.6	202.1
60.0	162.1	184.2	213.7	211.9	210.9	179.0	153.5	167.1	192.3	193.4
63.0	153.2	175.9	205.7	204.3	203.6	170.7	144.0	158.4	184.2	185.5
66.0	143.4	167.5	197.9	196.5	195.6	162.3	134.9	149.4	175.6	177.7
69.0	128.9	158.8	189.9	188.7	187.2	153.8	125.5	140.8	167.3	169.4
72.0	109.4	150.6	181.8	180.4	178.9	145.8	115.7	132.3	159.6	161.3
75.0	90.07	142.9	173.2	172.4	170.3	137.7	96.74	124.1	150.6	153.0
78.0	70.15	135.1	165.1	164.0	162.4	129.5	76.88	115.8	142.8	144.9
81.0	50.73	125.1	156.7	155.8	154.3	121.4	58.70	107.8	134.4	137.3
84.0	33.10	113.4	148.0	147.8	145.6	114.1	41.57	100.1	126.7	129.5
87.0	18.19	102.3	140.0	139.9	137.4	106.2	24.91	92.53	118.6	122.2
90.0	6.695	92.15	131.0	131.6	129.2	98.80	11.20	85.10	110.8	114.8
93.0	1.242	82.94	122.9	123.7	121.1	90.52	3.298	77.58	103.7	107.7
96.0	0.3537	74.51	114.5	115.8	112.6	82.53	3.806	70.29	96.42	101.0
99.0	0.2953	66.70	105.9	107.8	104.7	74.84	3.262	63.36	89.66	94.61
102.0	0.3334	60.04	97.95	100.1	96.43	67.09	3.321	57.30	83.24	88.46
105.0	0.2627	54.89	90.34	92.64	89.04	61.88	3.029	51.74	77.23	82.53
108.0	0.1776	50.71	83.53	85.70	82.13	57.06	2.666	46.54	71.59	76.99
111.0	0	43.51	78.00	79.72	75.80	51.62	2.270	37.05	65.97	72.01
114.0	0.3638	32.61	72.21	75.01	71.02	41.77	1.975	26.45	61.23	66.85
117.0	0.1036	26.22	66.64	70.30	66.51	30.12	1.783	22.19	55.81	62.32
120.0	0.4333	23.75	61.55	65.18	61.69	24.76	1.658	19.34	46.78	57.85
123.0	0.1276	21.45	53.39	60.56	54.81	22.09	1.491	16.51	32.98	50.23
126.0	0	19.04	40.17	53.21	42.28	19.50	1.379	14.47	22.87	37.61
129.0	0.2477	16.84	27.19	40.86	28.58	17.42	1.365	11.76	18.66	24.35
132.0	0.1669	14.41	21.04	26.81	21.51	15.27	0.7291	8.490	16.63	17.69
135.0	0.4248	12.10	18.72	19.40	18.86	12.87	0.4513	4.923	14.52	16.30
138.0	0.0347	10.27	17.18	16.99	17.10	11.14	0.0279	3.239	13.25	14.01
141.0	0.0656	8.951	15.32	15.65	14.96	9.760	0.3212	2.478	11.85	12.82
144.0	0.2577	7.523	13.26	14.25	13.14	8.330	0.1432	2.060	9.702	11.61
147.0	0.0152	5.846	12.12	12.68	11.53	6.769	0.3306	1.589	7.694	10.03
150.0	0.1511	4.301	10.30	11.11	10.38	4.952	0.0103	1.562	5.528	8.291
153.0	0.0118	3.573	9.135	9.506	9.172	4.197	0.2103	0.8390	3.251	6.185
156.0	0.0928	2.620	7.294	8.582	7.449	2.890	0.2207	0.5810	2.198	4.480
159.0	0.0522	2.013	5.829	7.327	5.924	2.313	0.5831	0.2899	2.141	3.364
162.0	0.3190	0.6803	4.161	5.708	4.637	1.516	0.5579	0.2364	1.683	2.631
165.0	0.1554	0.0766	3.250	3.597	3.081	0.6367	0.3582	0.2796	0.8642	1.661
168.0	0.1303	0.2066	1.600	2.381	1.839	0.2772	0.5172	0.5792	0.6061	1.010
171.0	0.0791	0.3749	0.7605	0.7827	0.5023	0.5448	0.5313	0.4080	0.8579	0.5923
174.0	0.2383	0.3365	0.0560	0.2401	0.1502	0.2543	0.5096	0.7373	0.5251	0.6529
177.0	0.0295	0.2509	0.4957	0.1947	0.5130	0.2429	0.4683	0.4033	0.6605	0.6496
180.0	0.4359	0.3867	0.0253	0.6037	0	0.5418	0.8053	0.2363	0.2762	0.4050

G/C	300.0	330.0
0.0	288.8	288.4
3.0	288.0	288.7
6.0	287.1	287.5
9.0	285.7	285.9
12.0	284.1	284.2
15.0	281.5	282.3
18.0	277.9	279.7
21.0	275.1	276.3
24.0	271.6	272.8
27.0	267.7	269.4
30.0	262.8	264.9

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Killua
Test Date:2015-03-11

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203
Humidity:65.0%
Test Distance:2.500m [K=1.3016]
Remarks: LAMP:SMD 3014 4000K 1438mm 16W nw
LANS:WHITE PC
30minutes warm-up

Photometric Data Table [cd]

33.0	257.8	258.0
36.0	251.7	249.5
39.0	246.4	240.7
42.0	239.6	231.7
45.0	232.9	222.4
48.0	225.7	213.6
51.0	218.4	204.3
54.0	210.8	195.2
57.0	203.0	185.8
60.0	194.4	176.9
63.0	186.6	168.3
66.0	178.4	159.6
69.0	169.8	150.5
72.0	161.6	142.3
75.0	152.9	134.2
78.0	144.6	126.3
81.0	137.0	117.9
84.0	128.8	109.7
87.0	120.7	101.9
90.0	112.9	92.87
93.0	105.3	84.33
96.0	98.60	75.86
99.0	91.80	68.91
102.0	85.01	62.21
105.0	79.38	56.67
108.0	73.40	52.07
111.0	68.25	42.45
114.0	62.77	30.90
117.0	57.76	25.73
120.0	48.41	23.24
123.0	34.62	20.42
126.0	23.55	17.45
129.0	19.47	14.88
132.0	17.20	12.29
135.0	15.56	9.684
138.0	13.66	7.710
141.0	12.03	5.732
144.0	10.57	4.027
147.0	8.561	3.256
150.0	6.495	2.481
153.0	4.673	1.987
156.0	3.117	1.095
159.0	2.490	0.2024
162.0	2.305	0.4360
165.0	1.039	0.5498
168.0	0.8218	0.7913
171.0	0.6862	0.5372
174.0	0.3074	0.6561
177.0	0.3733	0.5706
180.0	0.5944	0.4565

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Killua
Test Date:2015-03-11

g Range: 0 - 180DEG
g Interval: 1.0DEG
g Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203
Humidity:65.0%
Test Distance:2.500m [K=1.3016]
Remarks: LAMP:SMD 3014 4000K 1438mm 16W nw
LANS:WHITE PC
30minutes warm-up