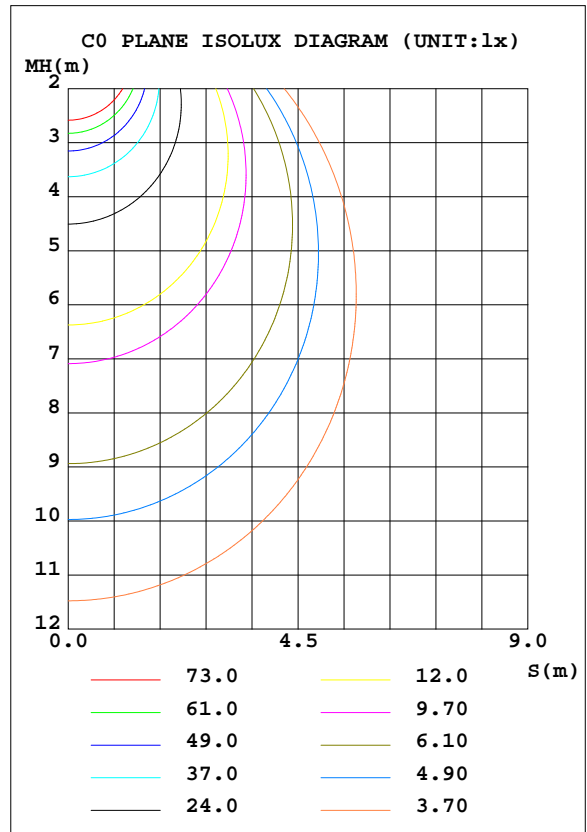
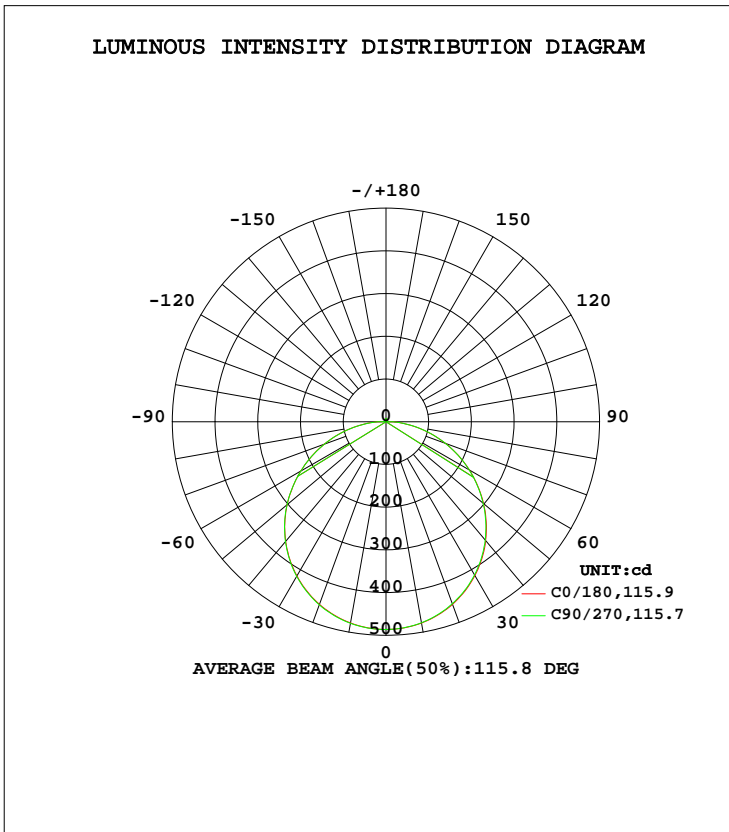


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.26V I:0.0688A P:14.145W PF:0.8935 Freq:50.00Hz Lamp Flux:1498.72x1 lm		
NAME: 136-049_15W_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.:280	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 105.95 lm/W			
MODEL	136-049_15W_3000K	Imax(cd)	486.3	S/MH(C0/180)	1.27
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1498.7	η UP, DN(C0-180)	1.0,48.7
NOMINAL FLUX(lm)	1498.72	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.9,49.3
LAMPS INSIDE	1	η up(%)	1.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down(%)	98.1	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-11-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.240m [K=1.0000]
 Remarks: 136-049_15W_3000K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

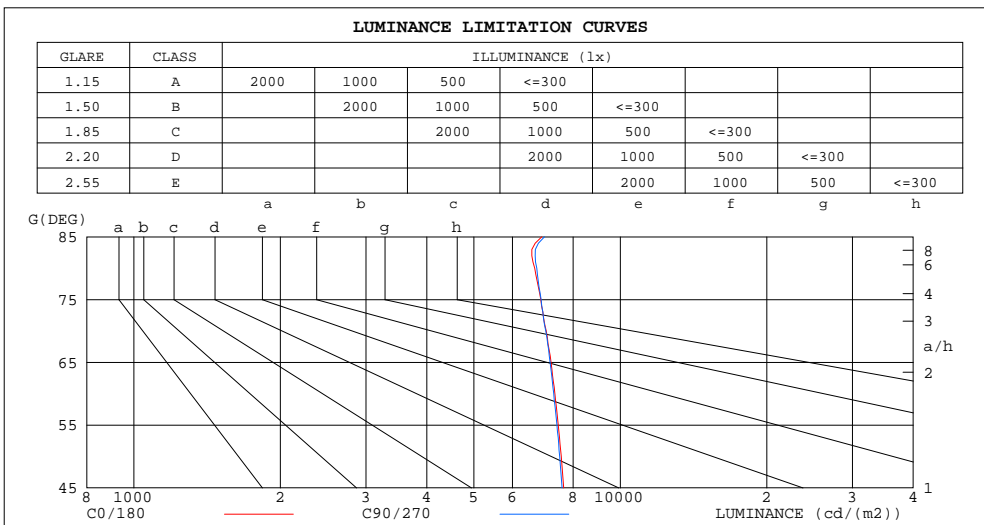
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	478.5	478.2	477.8	478.2	478.3	478.4	479.0	478.5	0- 10	46.04	46.04	3.07,3.07
20	454.9	454.6	453.5	454.5	455.1	455.2	456.1	455.2	10- 20	132.3	178.3	11.9,11.9
30	415.9	415.5	414.3	416.1	416.9	417.0	418.0	416.4	20- 30	201.6	379.9	25.4,25.4
40	363.0	362.7	361.3	364.0	365.4	365.4	366.1	363.7	30- 40	245.1	625.0	41.7,41.7
50	298.2	298.0	296.9	300.6	302.3	301.9	302.6	299.1	40- 50	257.0	882.0	58.8,58.8
60	225.2	224.6	224.6	228.5	230.1	230.4	230.0	226.3	50- 60	236.3	1118	74.6,74.6
70	147.8	147.8	147.9	152.4	153.9	153.9	153.6	149.1	60- 70	187.4	1306	87.1,87.1
80	71.07	71.48	71.95	76.82	78.03	77.58	77.39	72.16	70- 80	118.6	1424	95,95
90	13.71	13.85	14.13	17.37	18.17	17.53	16.68	14.06	80- 90	45.37	1470	98.1,98.1
100	2.651	2.656	2.802	2.853	2.393	2.349	2.427	2.350	90-100	6.253	1476	98.5,98.5
110	3.183	3.245	3.229	3.308	2.703	2.655	2.688	2.708	100-110	2.890	1479	98.7,98.7
120	4.062	4.083	4.078	4.033	3.351	3.317	3.352	3.391	110-120	3.285	1482	98.9,98.9
130	4.830	4.871	4.835	4.837	4.230	4.193	4.234	4.245	120-130	3.694	1486	99.1,99.1
140	5.548	5.599	5.569	5.576	5.059	5.027	5.055	5.058	130-140	3.818	1490	99.4,99.4
150	6.209	6.257	6.227	6.235	5.799	5.750	5.797	5.811	140-150	3.552	1493	99.6,99.6
160	6.779	6.836	6.798	6.820	6.479	6.451	6.470	6.485	150-160	2.921	1496	99.8,99.8
170	7.237	7.290	7.239	7.285	7.136	7.108	7.120	7.126	160-170	1.955	1498	100,100
180	7.469	7.507	7.477	7.512	7.492	7.484	7.495	7.498	170-180	0.6997	1499	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-11-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.240m [K=1.0000]
 Remarks: 136-049_15W_3000K

LUMINANCE LIMITATION CURVES

Test:U:230.26V I:0.0688A P:14.145W PF:0.8935 Freq:50.00Hz Lamp Flux:1498.72x1 lm		
NAME: 136-049_15W_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.:280	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	6893	6983
80	6669	6732
75	6862	6873
70	7040	7025
65	7203	7170
60	7338	7298
55	7455	7407
50	7560	7504
45	7648	7587

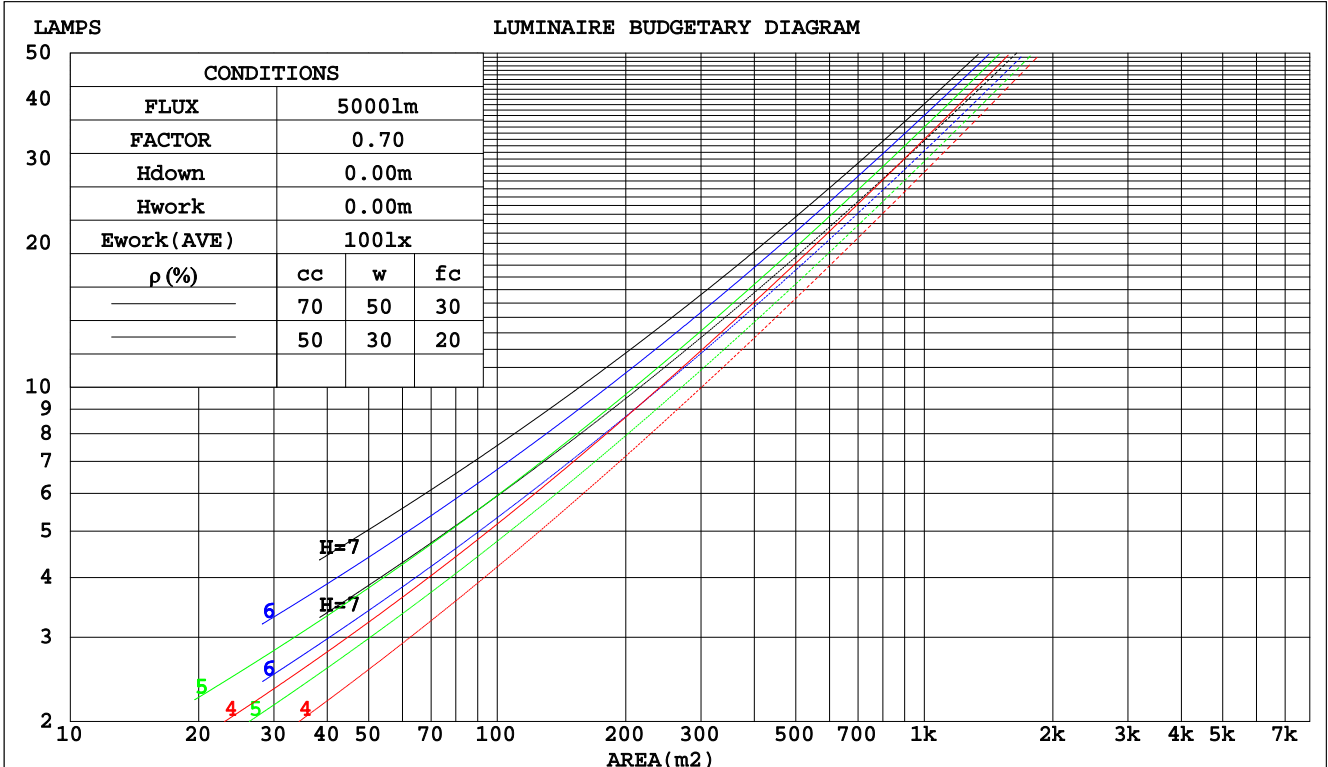
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-11-11

γ Range: 0 - 180DEG
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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.240m [K=1.0000]
 Remarks: 136-049_15W_3000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.26V I:0.0688A P:14.145W PF:0.8935 Freq:50.00Hz Lamp Flux:1498.72x1 lm		
NAME: 136-049_15W_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.:280	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
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	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.02	.98	.94	.90	.96	.92	.95	.92	.89	.91	.88	.86	.87	.85	.83	.81
2.0	.89	.82	.76	.87	.80	.75	.83	.77	.73	.79	.75	.71	.76	.72	.69	.66
3.0	.78	.69	.63	.76	.68	.62	.73	.66	.60	.70	.64	.59	.67	.62	.58	.56
4.0	.69	.60	.53	.67	.59	.52	.64	.57	.51	.62	.55	.50	.59	.54	.49	.47
5.0	.61	.52	.45	.60	.51	.45	.58	.50	.44	.55	.49	.43	.53	.47	.43	.41
6.0	.55	.46	.39	.54	.45	.39	.52	.44	.39	.50	.43	.38	.48	.42	.38	.35
7.0	.50	.41	.35	.49	.40	.34	.47	.40	.34	.46	.39	.34	.44	.38	.33	.31
8.0	.45	.37	.31	.45	.36	.31	.43	.36	.30	.42	.35	.30	.40	.34	.30	.28
9.0	.42	.33	.28	.41	.33	.28	.40	.32	.27	.38	.32	.27	.37	.31	.27	.25
10.0	.38	.30	.25	.38	.30	.25	.37	.30	.25	.36	.29	.25	.35	.29	.24	.23



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-11-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.240m [K=1.0000]
 Remarks: 136-049_15W_3000K

WEC AND CCEC

Test:U:230.26V I:0.0688A P:14.145W PF:0.8935 Freq:50.00Hz Lamp Flux:1498.72x1 lm		
NAME: 136-049_15W_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.:280	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.328	.186	.059	.320	.183	.058	.306	.175	.056	.292	.169	.054	.280	.162	.052	
2.0	.303	.166	.051	.296	.163	.050	.283	.157	.049	.271	.152	.048	.260	.147	.046	
3.0	.278	.148	.044	.272	.145	.044	.260	.141	.043	.250	.137	.042	.240	.133	.041	
4.0	.255	.132	.039	.249	.130	.039	.239	.127	.038	.230	.123	.037	.221	.120	.037	
5.0	.234	.119	.035	.230	.118	.034	.221	.115	.034	.212	.112	.033	.204	.109	.033	
6.0	.217	.109	.031	.213	.107	.031	.204	.105	.030	.197	.102	.030	.190	.100	.030	
7.0	.201	.100	.028	.197	.098	.028	.190	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.188	.092	.026	.184	.091	.026	.178	.089	.025	.172	.087	.025	.166	.085	.025	
9.0	.176	.085	.024	.173	.084	.024	.167	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.152	.075	.021	.147	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.205	.205	.205	.175	.175	.175	.120	.120	.120	.069	.069	.069	.022	.022	.022	
1.0	.196	.171	.148	.168	.147	.127	.115	.101	.088	.066	.058	.051	.021	.019	.017	
2.0	.189	.147	.112	.162	.126	.097	.111	.087	.067	.064	.051	.039	.020	.016	.013	
3.0	.181	.129	.088	.155	.112	.077	.107	.078	.054	.062	.045	.032	.020	.015	.010	
4.0	.173	.116	.073	.149	.100	.063	.102	.070	.044	.059	.041	.026	.019	.013	.009	
5.0	.166	.106	.062	.142	.092	.054	.098	.064	.038	.057	.038	.023	.018	.012	.007	
6.0	.159	.098	.054	.136	.085	.047	.094	.059	.033	.055	.035	.020	.018	.011	.007	
7.0	.152	.091	.048	.130	.079	.042	.090	.055	.030	.052	.033	.018	.017	.011	.006	
8.0	.145	.085	.044	.125	.074	.038	.086	.052	.027	.050	.031	.016	.016	.010	.005	
9.0	.139	.080	.040	.120	.070	.035	.083	.049	.025	.048	.029	.015	.016	.009	.005	
10.0	.133	.076	.038	.115	.066	.033	.080	.046	.023	.046	.027	.014	.015	.009	.005	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-11-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.240m [K=1.0000]
 Remarks: 136-049_15W_3000K

UGR(Unified Glare Rating) Table

Test:U:230.26V I:0.0688A P:14.145W PF:0.8935 Freq:50.00Hz Lamp Flux:1498.72x1 lm										
NAME: 136-049_15W_3000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: Tronix Lighting					SUR.:280			Shielding Angle:		
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	19.7	21.2	20.0	21.5	21.7	19.7	21.2	20.0	21.5	21.7
3H	21.4	22.8	21.7	23.0	23.3	21.3	22.8	21.7	23.0	23.3
4H	22.1	23.4	22.4	23.7	24.0	22.1	23.4	22.4	23.7	24.0
6H	22.6	23.9	23.0	24.2	24.5	22.6	23.9	23.0	24.2	24.5
8H	22.8	24.1	23.2	24.4	24.7	22.9	24.1	23.2	24.4	24.7
12H	23.0	24.2	23.4	24.5	24.9	23.0	24.2	23.4	24.5	24.9
4H 2H	20.4	21.7	20.7	22.0	22.3	20.3	21.7	20.7	22.0	22.3
3H	22.2	23.4	22.6	23.7	24.1	22.2	23.4	22.6	23.7	24.0
4H	23.0	24.1	23.4	24.5	24.9	23.0	24.1	23.4	24.5	24.8
6H	23.8	24.7	24.2	25.1	25.5	23.8	24.7	24.2	25.1	25.5
8H	24.0	24.9	24.5	25.3	25.8	24.0	24.9	24.5	25.3	25.8
12H	24.2	25.1	24.7	25.5	25.9	24.3	25.1	24.7	25.5	26.0
8H 4H	23.4	24.3	23.8	24.7	25.1	23.4	24.2	23.8	24.7	25.1
6H	24.2	25.0	24.7	25.4	25.9	24.2	25.0	24.7	25.4	25.9
8H	24.6	25.3	25.1	25.8	26.2	24.6	25.3	25.1	25.8	26.3
12H	25.0	25.5	25.5	26.0	26.5	25.0	25.6	25.5	26.0	26.6
12H 4H	23.4	24.2	23.8	24.6	25.1	23.4	24.2	23.8	24.6	25.1
6H	24.3	25.0	24.8	25.5	26.0	24.3	25.0	24.8	25.5	26.0
8H	24.8	25.3	25.3	25.8	26.3	24.8	25.3	25.3	25.8	26.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117, 1499 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.4)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-11-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.240m [K=1.0000]
 Remarks: 136-049_15W_3000K

UTILIZATION FACTORS TABLE

Test:U:230.26V I:0.0688A P:14.145W PF:0.8935 Freq:50.00Hz Lamp Flux:1498.72x1 lm		
NAME: 136-049_15W_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.:280	Shielding Angle:

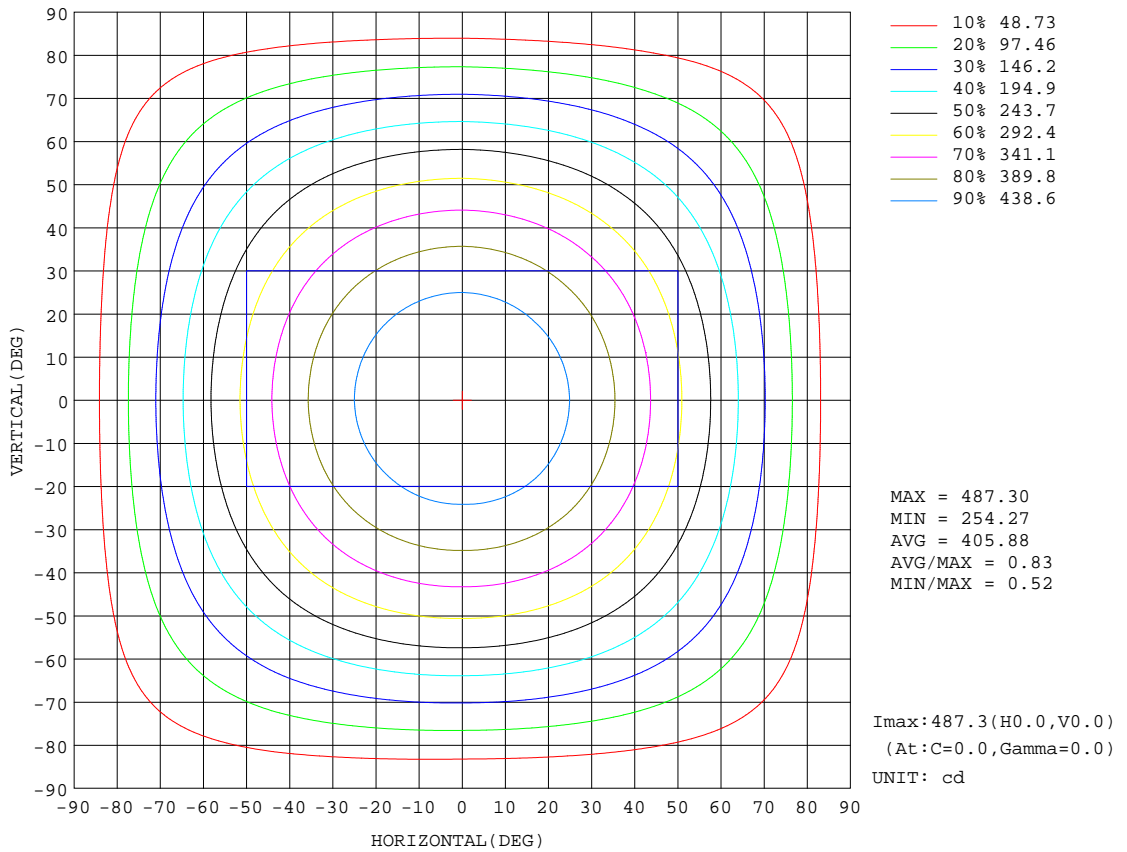
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	44	37	55	44	37	54	43	37	30
0.80	66	54	46	65	53	46	63	52	46	38
1.00	74	63	55	73	62	55	70	63	54	47
1.25	81	70	63	80	69	62	77	68	61	54
1.50	86	76	69	84	75	68	81	73	67	59
2.00	93	84	77	91	83	77	87	80	75	66
2.50	97	89	83	95	87	82	91	85	80	71
3.00	101	93	87	98	92	86	94	88	84	75
4.00	105	99	94	102	97	92	98	93	89	80
5.00	107	102	98	105	100	96	100	96	93	83
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-11-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.240m [K=1.0000]
 Remarks: 136-049_15W_3000K

ISOCANDELA DIAGRAM

Test:U:230.26V I:0.0688A P:14.145W PF:0.8935 Freq:50.00Hz Lamp Flux:1498.72x1 lm		
NAME: 136-049_15W_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.:280	Shielding Angle:

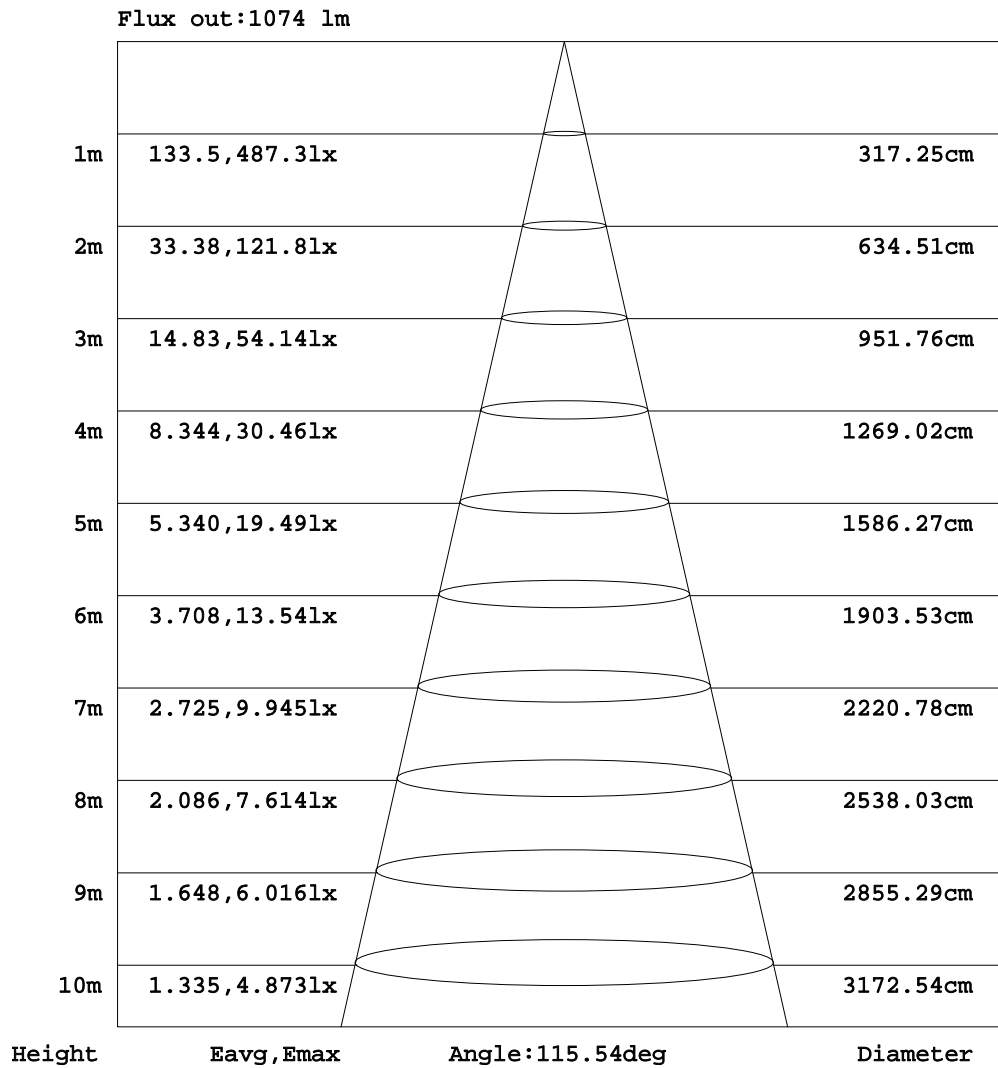


C Range: 0 - 360DEG
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 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity: 65.0%
 Test Distance: 8.240m [K=1.0000]
 Remarks: 136-049_15W_3000K

AAI Figure

Test:U:230.26V I:0.0688A P:14.145W PF:0.8935 Freq:50.00Hz Lamp Flux:1498.72x1 lm		
NAME: 136-049_15W_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.:280	Shielding Angle:



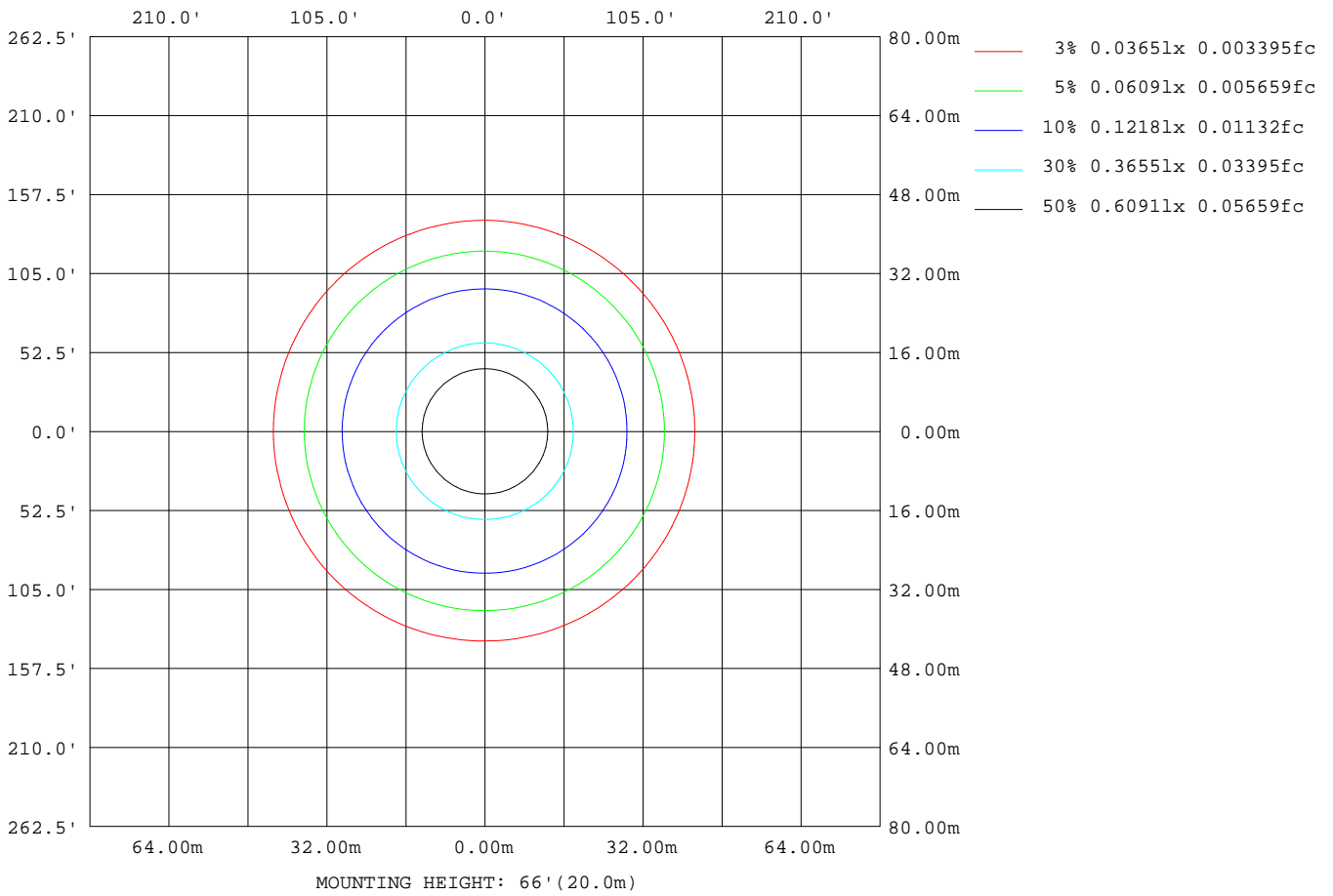
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-11-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity: 65.0%
 Test Distance: 8.240m [K=1.0000]
 Remarks: 136-049_15W_3000K

ISOLUX DIAGRAM

Test:U:230.26V I:0.0688A P:14.145W PF:0.8935 Freq:50.00Hz Lamp Flux:1498.72x1 lm		
NAME: 136-049_15W_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.:280	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
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γ Range: 0 - 180DEG
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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.240m [K=1.0000]
 Remarks: 136-049_15W_3000K

LED Avg.L Report

Test:U:230.26V I:0.0688A P:14.145W PF:0.8935 Freq:50.00Hz Lamp Flux:1498.72x1 lm		
NAME: 136-049_15W_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.:280	Shielding Angle:

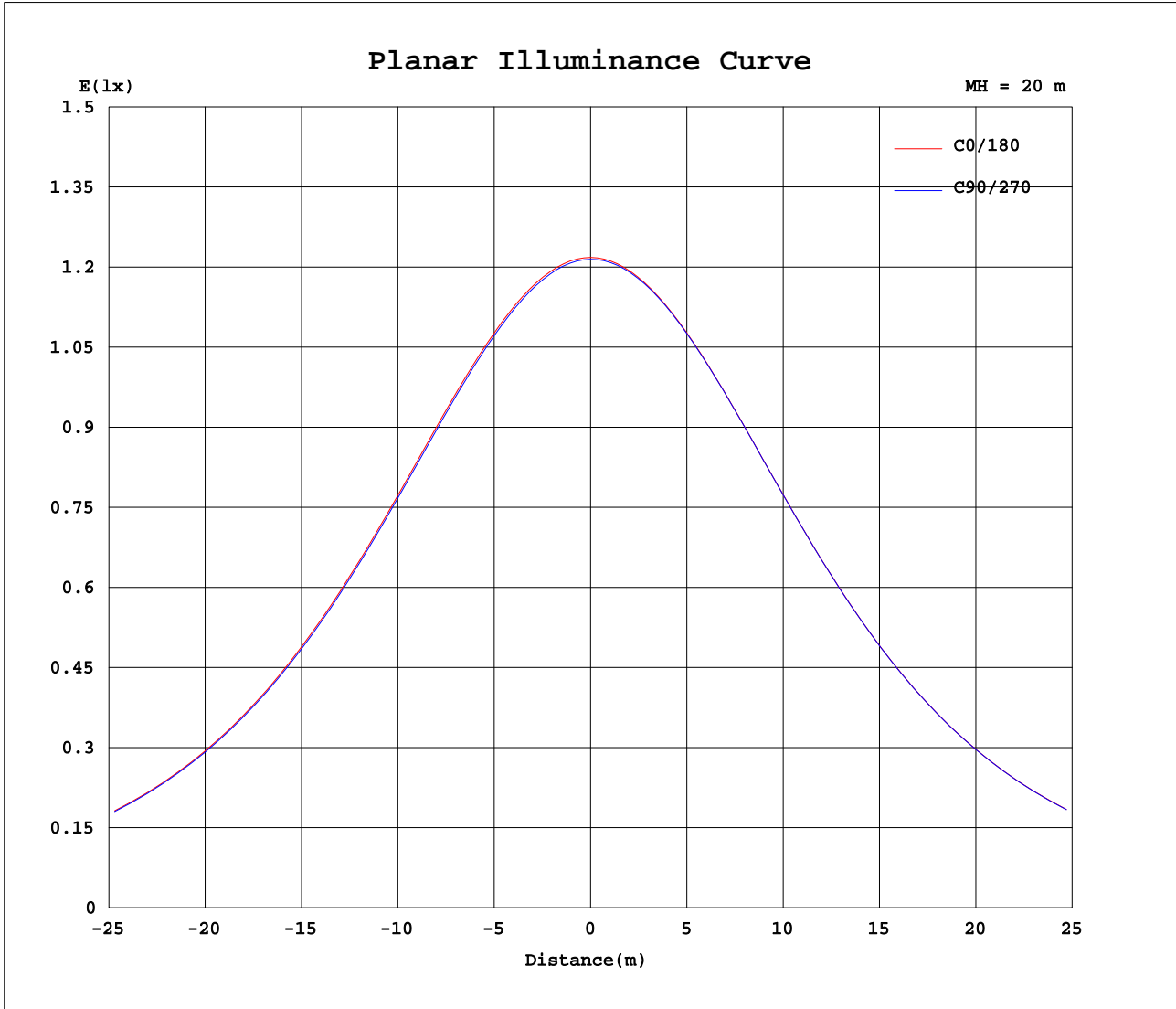
AvgL	cd/m2
L_0~180(65)av	7294
L_0~180(75)av	7053
L_0~180(85)av	7447
L_90~270(65)av	7285
L_90~270(75)av	7057
L_90~270(85)av	7403
L_45(65)av	7287
L_45(75)av	7046
L_45(85)av	7405

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-11-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.240m [K=1.0000]
 Remarks: 136-049_15W_3000K

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-11-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity: 65.0%
 Test Distance: 8.240m [K=1.0000]
 Remarks: 136-049_15W_3000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.26V I:0.0688A P:14.145W PF:0.8935 Freq:50.00Hz Lamp Flux:1498.72x1 lm		
NAME: 136-049_15W_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.:280	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	45	90	135	180	225	270	315											
0	486	486	486	486	486	486	486	486											
5	484	484	484	484	484	484	484	485	484										
10	478	478	478	478	478	478	478	479	479										
15	469	468	468	468	469	469	469	470	469										
20	455	455	454	455	455	455	456	455											
25	437	437	436	437	438	438	439	438											
30	416	416	414	416	417	417	418	416											
35	391	391	389	392	393	393	394	392											
40	363	363	361	364	365	365	366	364											
45	332	332	330	334	335	335	336	333											
50	298	298	297	301	302	302	303	299											
55	262	262	261	265	267	267	267	263											
60	225	225	225	228	230	230	230	226											
65	187	186	186	191	192	192	192	188											
70	148	148	148	152	154	154	154	149											
75	109	109	109	114	116	115	115	110											
80	71.1	71.5	72.0	76.8	78.0	77.6	77.4	72.2											
85	36.9	37.1	37.5	41.7	43.0	42.4	41.9	37.6											
90	13.7	13.8	14.1	17.4	18.2	17.5	16.7	14.1											
95	2.99	2.98	3.46	4.50	4.76	4.32	3.93	2.76											
100	2.65	2.66	2.80	2.85	2.39	2.35	2.43	2.35											
105	2.88	2.89	2.97	3.03	2.52	2.44	2.53	2.49											
110	3.18	3.24	3.23	3.31	2.70	2.65	2.69	2.71											
115	3.61	3.67	3.60	3.66	2.96	2.96	2.93	3.00											
120	4.06	4.08	4.08	4.03	3.35	3.32	3.35	3.39											
125	4.44	4.48	4.45	4.43	3.79	3.76	3.79	3.83											
130	4.83	4.87	4.83	4.84	4.23	4.19	4.23	4.25											
135	5.25	5.26	5.26	5.23	4.66	4.66	4.67	4.67											
140	5.55	5.60	5.57	5.58	5.06	5.03	5.05	5.06											
145	5.90	5.94	5.91	5.91	5.43	5.38	5.43	5.42											
150	6.21	6.26	6.23	6.24	5.80	5.75	5.80	5.81											
155	6.51	6.55	6.52	6.54	6.14	6.14	6.15	6.16											
160	6.78	6.84	6.80	6.82	6.48	6.45	6.47	6.49											
165	7.03	7.07	7.04	7.06	6.83	6.79	6.82	6.81											
170	7.24	7.29	7.24	7.28	7.14	7.11	7.12	7.13											
175	7.40	7.46	7.41	7.47	7.38	7.35	7.38	7.36											
180	7.47	7.51	7.48	7.51	7.49	7.48	7.50	7.50											

C Range: 0 - 360DEG
 C Interval: 45.0DEG
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