

**Floodlight Summary:**

Report based on lamp delivering 1000 lumens.

Maximum Intensity		395.7 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal

Beam Spread	At 10% of Imax	142.3V x 147.8H
	At 50% of Imax	105.2V x 111.2H
	At 90% of Imax	41.6V x 50.7H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	971.4 lumens per klm.
	To 50% of Imax	752.1 lumens per klm.
	To 90% of Imax	206.6 lumens per klm.

Upward LOR	1.4 %
Downward LOR	98.6 %

Luminaire Efficiency (Light Output Ratio)	100.0 %
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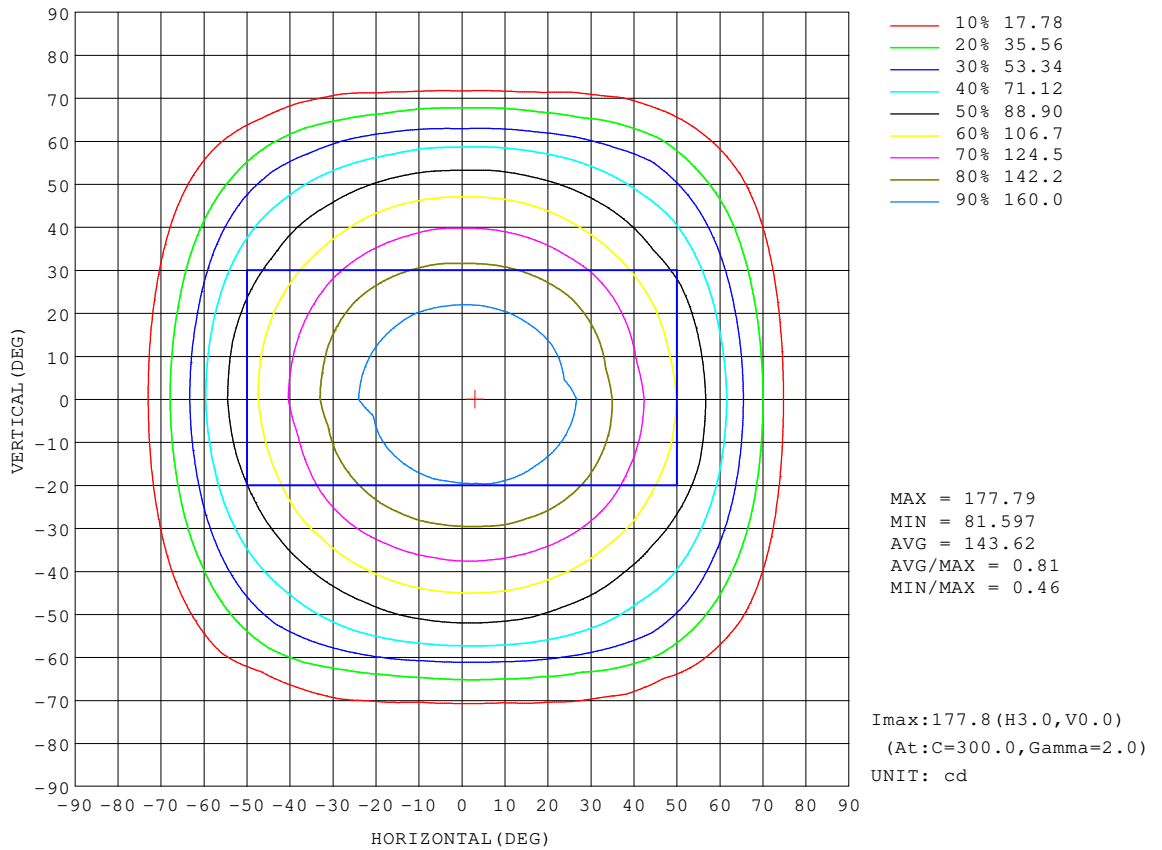
**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: eng. Laskov**  
**Test Date: 20 June 2019**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13**  
**Humidity: 65.0%**  
**Test Distance: 9.420m [K=1.0000]**  
**Remarks: Kpuls = 99.52 %**



**ISOCANDELA DIAGRAM**

Test:U:230.06V I:0.0885A P:19.610W PF:0.9631 Freq:49.99Hz Lamp Flux:449.295x1 lm		
NAME: Floodlight	TYPE:SKU 5992	WEIGHT:
SPEC.:CCT RED	DIM.:	SERIAL No.:
MFR.: V-TAC EUROPE	SUR.:	Shielding Angle:

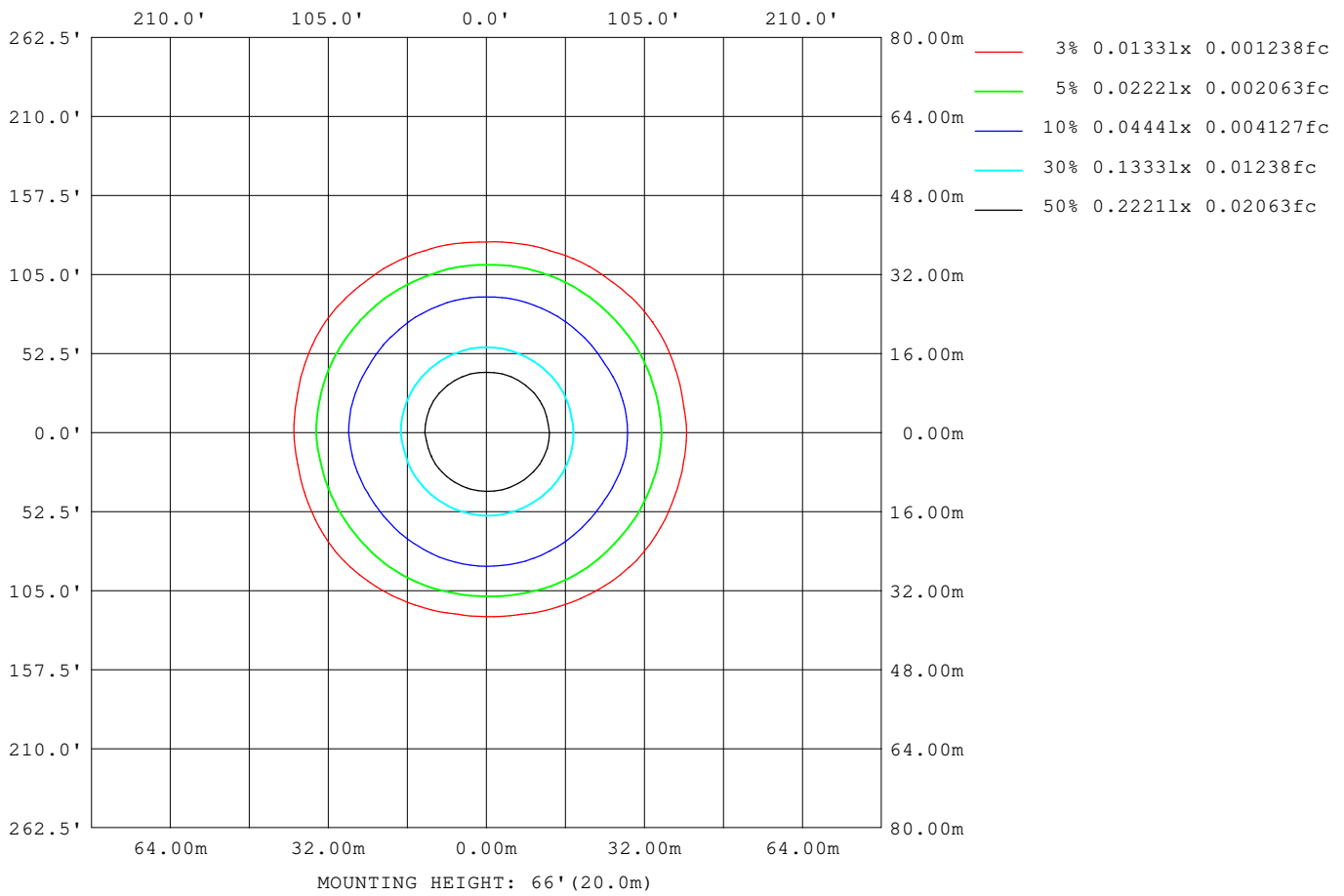


**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:eng. Laskov**  
**Test Date:20 June 2019**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13**  
**Humidity:65.0%**  
**Test Distance:9.420m [K=1.0000]**  
**Remarks: Kpuls = 99.52 %**

**ISOLUX DIAGRAM**

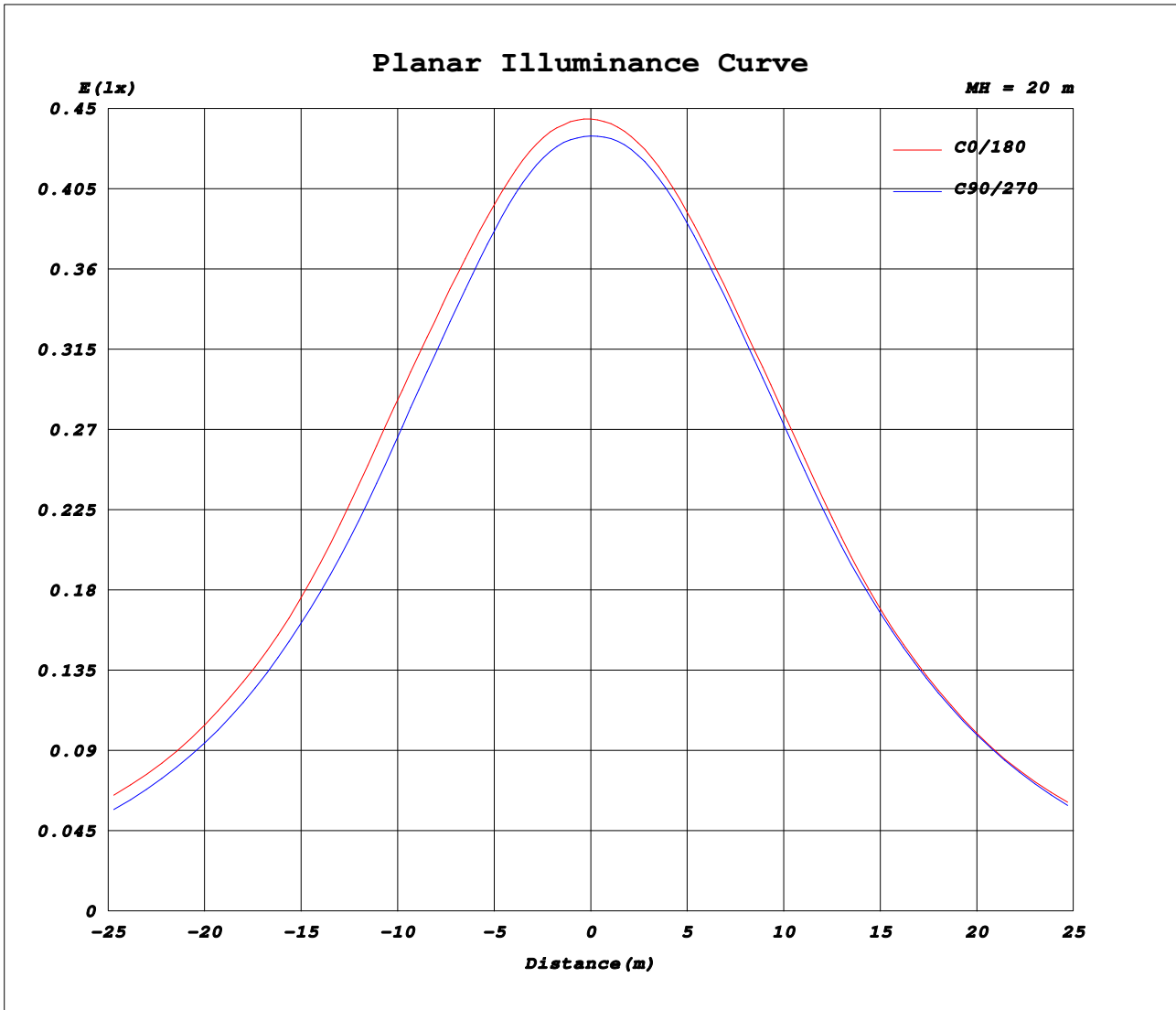
Test:U:230.06V I:0.0885A P:19.610W PF:0.9631 Freq:49.99Hz Lamp Flux:449.295x1 lm		
NAME: Floodlight	TYPE:SKU 5992	WEIGHT:
SPEC.:CCT RED	DIM.:	SERIAL No.:
MFR.: V-TAC EUROPE	SUR.:	Shielding Angle:



**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: eng. Laskov**  
**Test Date: 20 June 2019**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13**  
**Humidity: 65.0%**  
**Test Distance: 9.420m [K=1.0000]**  
**Remarks: Kpuls = 99.52 %**

**Planar Illuminance Curve**



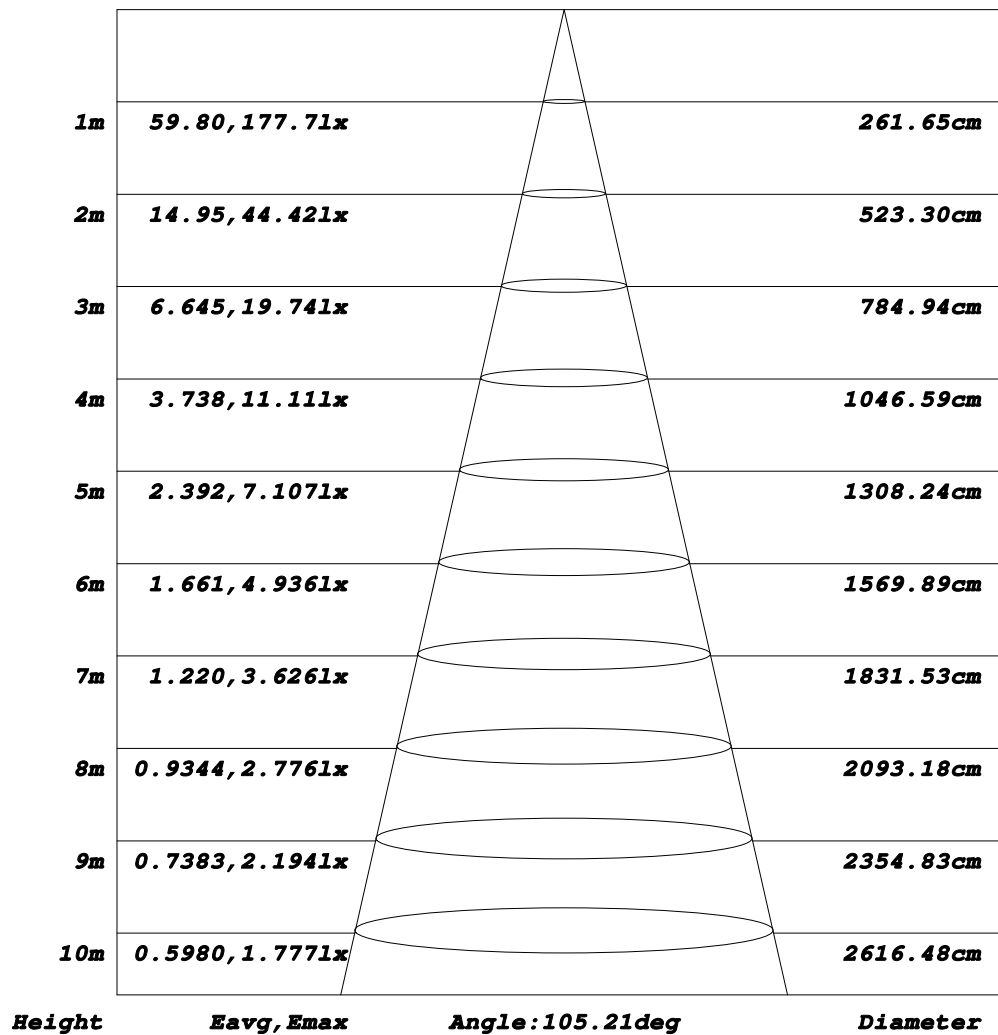
**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: eng. Laskov**  
**Test Date: 20 June 2019**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13**  
**Humidity: 65.0%**  
**Test Distance: 9.420m [K=1.0000]**  
**Remarks: Kpuls = 99.52 %**

**AAI Figure**

Test:U:230.06V I:0.0885A P:19.610W PF:0.9631 Freq:49.99Hz Lamp Flux:449.295x1 lm		
NAME: Floodlight	TYPE:SKU 5992	WEIGHT:
SPEC.:CCT RED	DIM.:	SERIAL No.:
MFR.: V-TAC EUROPE	SUR.:	Shielding Angle:

**Flux out:330.9 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: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:eng. Laskov  
 Test Date:20 June 2019

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity:65.0%  
 Test Distance:9.420m [K=1.0000]  
 Remarks: Kpuls = 99.52 %

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:230.06V I:0.0885A P:19.610W PF:0.9631 Freq:49.99Hz Lamp Flux:449.295x1 lm		
NAME: Floodlight	TYPE:SKU 5992	WEIGHT:
SPEC.:CCT RED	DIM.:	SERIAL No.:
MFR.: V-TAC EUROPE	SUR.:	Shielding Angle:

Table--1

UNIT: cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	0.06	0.13	0.27	0.45	0.63	0.82	1.01	1.20	1.33	1.45	1.60	1.81	1.89	1.98	2.09	2.21	2.26	2.22	2.26
-170	0.06	0.14	0.30	0.49	0.68	0.88	1.09	1.27	1.42	1.56	1.69	1.76	1.78	1.84	1.93	1.98	2.01	2.05	2.08
-160	0.06	0.16	0.32	0.51	0.70	0.92	1.11	1.25	1.36	1.46	1.56	1.65	1.68	1.75	1.82	1.86	1.88	1.92	1.96
-150	0.06	0.17	0.33	0.52	0.70	0.85	1.00	1.14	1.24	1.34	1.43	1.53	1.59	1.64	1.70	1.74	1.77	1.78	1.78
-140	0.06	0.18	0.34	0.52	0.63	0.75	0.89	1.01	1.12	1.21	1.30	1.37	1.44	1.51	1.55	1.59	1.64	1.67	1.69
-130	0.06	0.17	0.33	0.47	0.56	0.66	0.75	0.85	0.95	1.04	1.11	1.18	1.24	1.30	1.35	1.38	1.41	1.44	1.46
-120	0.06	0.17	0.32	0.41	0.48	0.54	0.61	0.68	0.74	0.80	0.86	0.91	0.96	1.00	1.03	1.04	1.05	1.07	1.08
-110	0.06	0.17	0.30	0.35	0.39	0.43	0.47	0.51	0.54	0.57	0.61	0.64	0.67	0.69	0.71	0.73	0.75	0.76	0.76
-100	0.06	0.17	0.28	0.30	0.31	0.33	0.34	0.35	0.36	0.38	0.39	0.40	0.41	0.41	0.42	0.42	0.43	0.43	0.43
-90	0.06	0.16	0.27	0.26	0.25	0.25	0.25	0.25	0.25	0.24	0.24	0.23	0.23	0.23	0.22	0.22	0.21	0.21	0.20
-80	0.06	0.16	0.27	0.29	0.31	0.33	0.37	0.40	0.45	0.48	0.53	0.56	0.58	0.61	0.71	0.71	0.62	0.62	0.61
-70	0.06	0.17	0.30	0.37	0.45	1.01	1.95	3.97	5.44	8.03	10.1	13.2	14.8	17.7	19.1	20.0	20.7	21.9	22.1
-60	0.06	0.18	0.34	0.67	2.20	5.89	10.3	16.9	22.1	28.5	35.7	41.4	45.2	49.4	52.8	55.6	57.3	58.9	59.5
-50	0.06	0.19	0.40	2.02	6.89	14.6	24.6	33.2	44.9	55.2	62.2	69.1	75.3	80.2	84.9	88.9	91.7	93.4	94.2
-40	0.06	0.20	0.70	4.58	13.5	25.2	35.2	50.5	63.3	72.8	80.9	88.7	96.0	103	108	113	116	118	119
-30	0.06	0.21	1.24	7.63	18.0	32.4	47.3	65.2	77.5	87.6	97.7	107	115	124	130	135	138	140	141
-20	0.06	0.21	1.75	9.71	24.4	38.6	58.4	75.8	88.7	100.0	111	122	132	141	147	152	156	158	159
-10	0.06	0.20	2.12	12.4	28.1	43.3	65.8	83.5	96.0	108	119	131	143	151	158	163	167	169	171
0	0.06	0.19	2.26	13.4	29.4	45.4	69.4	87.5	100	113	125	137	149	159	165	171	175	177	178
10	0.06	0.19	2.14	12.6	28.4	43.8	67.0	85.4	98.3	111	123	135	146	155	162	167	170	172	172
20	0.06	0.18	1.75	9.87	25.0	39.3	60.4	78.8	92.1	104	115	126	137	146	152	157	160	162	162
30	0.06	0.17	1.20	7.82	18.6	33.5	49.7	68.5	81.6	91.7	102	112	121	129	135	140	143	145	146
40	0.06	0.15	0.62	4.78	14.2	26.6	37.4	53.7	67.1	76.7	85.9	93.8	101	108	114	119	122	124	124
50	0.06	0.13	0.33	2.13	7.31	15.7	26.2	35.0	47.7	58.5	66.1	72.9	79.2	84.7	89.7	93.6	96.4	97.9	98.3
60	0.06	0.11	0.22	0.58	2.63	6.54	12.1	18.9	25.1	32.5	40.4	46.2	51.1	55.8	59.3	62.3	64.4	65.6	65.7
70	0.06	0.08	0.15	0.24	0.39	1.04	2.37	4.54	7.46	10.1	13.0	16.3	20.4	22.5	25.0	26.6	27.8	28.9	29.1
80	0.06	0.06	0.09	0.12	0.16	0.20	0.26	0.30	0.35	0.39	0.44	0.48	0.53	0.56	0.58	0.63	0.67	0.71	0.73
90	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02
100	0.06	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.13	0.14	0.14	0.15	0.15	0.15	0.16	0.15	0.16	0.16
110	0.06	0.07	0.09	0.12	0.16	0.20	0.24	0.28	0.31	0.35	0.38	0.41	0.42	0.44	0.46	0.47	0.48	0.48	0.47
120	0.06	0.08	0.12	0.18	0.25	0.33	0.40	0.47	0.53	0.59	0.64	0.70	0.74	0.78	0.81	0.84	0.86	0.88	0.90
130	0.06	0.09	0.15	0.25	0.35	0.45	0.55	0.64	0.74	0.82	0.89	0.95	1.01	1.06	1.09	1.13	1.16	1.19	1.20
140	0.06	0.10	0.19	0.32	0.44	0.57	0.69	0.81	0.91	1.01	1.10	1.18	1.25	1.31	1.36	1.37	1.40	1.40	1.39
150	0.06	0.11	0.23	0.37	0.52	0.67	0.81	0.96	1.07	1.17	1.27	1.38	1.48	1.55	1.60	1.63	1.66	1.70	1.72
160	0.06	0.12	0.25	0.42	0.58	0.75	0.92	1.07	1.20	1.32	1.44	1.58	1.69	1.75	1.81	1.84	1.85	1.84	1.83
170	0.06	0.12	0.27	0.44	0.62	0.79	0.98	1.16	1.29	1.40	1.55	1.73	1.83	1.91	1.98	2.02	2.05	2.06	2.05
180	0.06	0.13	0.27	0.45	0.63	0.82	1.01	1.20	1.33	1.45	1.60	1.81	1.89	1.98	2.09	2.21	2.26	2.22	2.24

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:eng. Laskov**  
**Test Date:20 June 2019**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13**  
**Humidity:65.0%**  
**Test Distance:9.420m [K=1.0000]**  
**Remarks: Kpuls = 99.52 %**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:230.06V I:0.0885A P:19.610W PF:0.9631 Freq:49.99Hz Lamp Flux:449.295x1 lm		
NAME: Floodlight	TYPE:SKU 5992	WEIGHT:
SPEC.:CCT RED	DIM.:	SERIAL No.:
MFR.: V-TAC EUROPE	SUR.:	Shielding Angle:

Table--2

UNIT: cd

H (DEG) \ V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-180	2.21	2.14	2.12	2.05	1.94	1.79	1.80	1.74	1.57	1.45	1.27	1.12	0.94	0.75	0.59	0.44	0.32	0.25
-170	2.09	2.01	1.99	1.92	1.82	1.77	1.74	1.66	1.53	1.40	1.24	1.10	0.93	0.75	0.58	0.43	0.32	0.25
-160	1.93	1.88	1.86	1.80	1.74	1.68	1.63	1.53	1.42	1.31	1.17	1.05	0.89	0.71	0.56	0.43	0.32	0.25
-150	1.76	1.76	1.73	1.68	1.62	1.57	1.50	1.40	1.31	1.20	1.08	0.96	0.81	0.66	0.52	0.41	0.31	0.25
-140	1.66	1.63	1.58	1.52	1.47	1.42	1.35	1.27	1.17	1.07	0.96	0.84	0.71	0.59	0.47	0.38	0.30	0.25
-130	1.44	1.41	1.36	1.33	1.27	1.22	1.16	1.08	0.99	0.90	0.80	0.70	0.61	0.51	0.43	0.35	0.29	0.25
-120	1.08	1.06	1.04	1.01	0.98	0.93	0.88	0.83	0.77	0.70	0.63	0.57	0.50	0.43	0.37	0.32	0.28	0.25
-110	0.75	0.74	0.72	0.70	0.67	0.64	0.62	0.58	0.55	0.52	0.47	0.43	0.40	0.35	0.32	0.29	0.27	0.25
-100	0.42	0.41	0.41	0.40	0.40	0.39	0.38	0.38	0.36	0.35	0.33	0.31	0.30	0.29	0.27	0.26	0.26	0.25
-90	0.20	0.20	0.21	0.21	0.21	0.22	0.22	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.25	0.25	0.25
-80	0.63	0.64	0.72	0.71	0.64	0.63	0.62	0.60	0.54	0.51	0.46	0.41	0.37	0.33	0.29	0.27	0.25	0.25
-70	22.3	21.4	20.9	20.2	19.0	16.6	15.2	11.8	9.78	6.98	5.31	2.76	1.36	0.58	0.40	0.31	0.26	0.25
-60	59.6	58.6	57.5	55.2	52.4	48.8	45.7	40.9	34.8	26.6	20.8	13.6	8.20	3.39	0.90	0.38	0.28	0.25
-50	94.2	93.2	91.3	87.8	83.6	79.1	73.6	67.1	61.1	52.6	40.5	29.8	18.7	9.71	3.16	0.53	0.30	0.25
-40	119	118	115	111	106	101	93.6	86.0	78.5	70.5	58.8	42.7	30.8	17.7	6.78	1.05	0.32	0.25
-30	141	140	138	134	128	121	113	104	94.1	84.6	72.9	57.4	39.3	23.1	10.7	2.01	0.34	0.25
-20	160	158	156	151	146	139	129	118	107	96.7	84.6	68.3	46.8	30.5	12.9	2.80	0.36	0.25
-10	171	170	167	163	158	150	139	127	115	104	92.2	74.8	53.4	34.4	16.1	3.34	0.37	0.25
0	178	176	173	168	162	154	142	130	118	107	94.3	77.2	56.3	35.7	17.2	3.55	0.37	0.25
10	171	170	167	162	157	148	137	125	114	103	91.5	74.3	53.3	34.4	16.1	3.33	0.35	0.25
20	162	161	157	153	147	140	129	118	108	97.1	84.5	67.9	46.5	30.5	12.9	2.76	0.33	0.25
30	145	144	141	137	131	123	114	105	95.4	86.3	73.4	57.9	39.5	23.1	10.6	1.96	0.30	0.25
40	124	122	120	115	110	103	96.2	88.5	80.3	71.8	60.1	44.2	31.6	17.8	6.70	1.00	0.26	0.25
50	98.2	96.9	94.6	90.9	86.4	81.4	75.6	69.0	62.5	54.0	41.7	31.1	19.3	9.84	3.17	0.40	0.24	0.25
60	66.0	65.3	63.4	60.7	57.7	53.7	49.8	45.0	38.9	30.1	23.0	15.2	8.74	3.78	0.82	0.22	0.20	0.25
70	29.1	28.2	27.3	25.8	23.6	22.0	18.9	15.1	12.2	9.41	6.16	3.58	1.58	0.44	0.23	0.14	0.17	0.25
80	0.73	0.72	0.70	0.67	0.65	0.62	0.58	0.54	0.48	0.42	0.34	0.27	0.21	0.15	0.11	0.08	0.15	0.25
90	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.15	0.25
100	0.15	0.15	0.15	0.16	0.15	0.14	0.14	0.13	0.12	0.10	0.10	0.09	0.08	0.07	0.06	0.05	0.16	0.25
110	0.47	0.46	0.45	0.43	0.42	0.40	0.38	0.35	0.31	0.28	0.24	0.21	0.16	0.13	0.09	0.08	0.17	0.25
120	0.88	0.85	0.82	0.78	0.74	0.70	0.66	0.60	0.55	0.49	0.42	0.35	0.28	0.21	0.14	0.12	0.18	0.25
130	1.18	1.15	1.10	1.07	1.01	0.97	0.92	0.85	0.77	0.69	0.58	0.49	0.40	0.30	0.20	0.17	0.21	0.25
140	1.38	1.37	1.34	1.31	1.25	1.19	1.13	1.05	0.95	0.85	0.75	0.63	0.49	0.38	0.26	0.23	0.23	0.25
150	1.69	1.65	1.59	1.52	1.44	1.37	1.29	1.21	1.10	1.00	0.88	0.75	0.59	0.44	0.36	0.29	0.25	0.25
160	1.83	1.82	1.79	1.72	1.65	1.55	1.45	1.34	1.22	1.11	0.98	0.82	0.67	0.56	0.45	0.35	0.28	0.25
170	2.02	1.98	1.95	1.86	1.76	1.68	1.57	1.42	1.31	1.23	1.11	0.98	0.82	0.66	0.53	0.39	0.30	0.25
180	2.21	2.14	2.12	2.05	1.94	1.79	1.80	1.74	1.57	1.45	1.27	1.12	0.94	0.75	0.59	0.44	0.32	0.25

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**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:eng. Laskov**  
**Test Date:20 June 2019**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.407.13**  
**Humidity:65.0%**  
**Test Distance:9.420m [K=1.0000]**  
**Remarks: Kpuls = 99.52 %**