

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	192.6 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of I <sub>max</sub>	235.3V x 180.0H
	At 50% of I <sub>max</sub>	153.8V x 155.2H
	At 90% of I <sub>max</sub>	80.4V x 83.5H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of I <sub>max</sub>	974.4 lumens per klm.
	To 50% of I <sub>max</sub>	728.8 lumens per klm.
	To 90% of I <sub>max</sub>	266.6 lumens per klm.

Upward LOR	15.4 %
Downward LOR	84.6 %

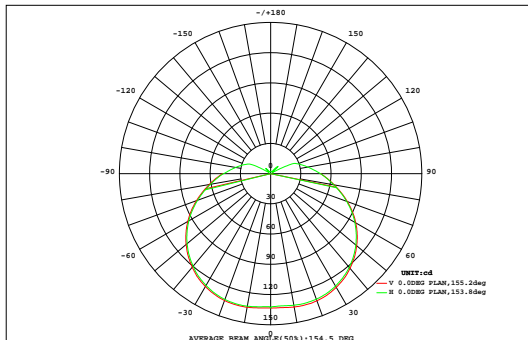
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:Matthew  
Test Date:2018-12-28

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:11.510m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.7V I:0.0927A P:18.60W PF:0.9092 Lamp Flux:699.699x1 lm		
NAME: L1433/A-WR-12-4000K-Drum	TYPE:PROJECTOR	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:37.63lm/W	
MODEL	CREE	Imax(cd)	134.8
NOMINAL POWER(W)	20	AVAILABILITY(%)	97.4
RATED VOLTAGE(V)	AC 220V	Avai. FLUX(lm)	681.2
NOMINAL FLUX(lm)	699.699	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	699.7
TEST VOLTAGE(V)	AC 220V	θ @50%(H,V)	155,154DEG

VERTICAL( DEG )	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.13	0.39	0.66	0.91	1.15	1.36	1.52	1.63	1.70	1.70	1.65	1.53	1.38	1.17	0.93	0.67	0.40	0.13	19.0	19.0
90	0.13	0.39	0.66	0.91	1.15	1.36	1.52	1.63	1.70	1.70	1.65	1.53	1.38	1.17	0.93	0.67	0.40	0.13	19.0	19.0
80	0.13	0.42	0.73	1.05	1.37	1.66	1.90	2.07	2.17	2.17	2.09	1.92	1.68	1.40	1.08	0.75	0.43	0.14	23.1	23.1
70	0.14	0.45	0.81	1.21	1.62	2.00	2.32	2.55	2.67	2.68	2.56	2.34	2.02	1.64	1.23	0.83	0.46	0.14	27.6	27.6
60	0.14	0.47	0.88	1.36	1.85	2.31	2.70	2.98	3.13	3.13	2.99	2.72	2.34	1.88	1.39	0.91	0.49	0.14	31.8	31.8
50	0.14	0.50	0.96	1.49	2.06	2.59	3.02	3.34	3.50	3.51	3.35	3.04	2.61	2.09	1.52	0.98	0.51	0.15	35.4	35.4
40	0.15	0.52	1.02	1.61	2.22	2.80	3.28	3.61	3.79	3.79	3.62	3.29	2.81	2.25	1.64	1.05	0.54	0.15	38.1	38.1
30	0.15	0.54	1.07	1.70	2.35	2.96	3.46	3.80	3.97	3.96	3.79	3.45	2.96	2.37	1.73	1.10	0.56	0.15	40.1	40.1
20	0.15	0.55	1.10	1.76	2.44	3.07	3.57	3.90	4.03	4.02	3.87	3.55	3.07	2.46	1.79	1.13	0.57	0.16	41.2	41.2
10	0.15	0.56	1.12	1.79	2.48	3.12	3.63	3.94	4.03	4.00	3.91	3.62	3.14	2.51	1.82	1.15	0.58	0.16	41.7	41.7
0	0.15	0.56	1.12	1.78	2.47	3.11	3.61	3.91	4.02	4.05	3.95	3.64	3.15	2.52	1.83	1.15	0.58	0.16	41.7	41.7
-10	0.15	0.55	1.10	1.74	2.41	3.03	3.53	3.87	4.04	4.05	3.91	3.59	3.09	2.47	1.79	1.13	0.57	0.16	41.2	41.2
-20	0.15	0.53	1.06	1.67	2.31	2.91	3.41	3.77	3.95	3.96	3.80	3.47	2.98	2.38	1.73	1.10	0.55	0.15	39.9	39.9
-30	0.15	0.52	1.00	1.58	2.18	2.74	3.22	3.57	3.75	3.77	3.60	3.28	2.81	2.25	1.64	1.04	0.54	0.15	37.8	37.8
-40	0.14	0.49	0.94	1.46	2.01	2.52	2.96	3.28	3.45	3.46	3.31	3.01	2.58	2.07	1.52	0.98	0.51	0.15	34.8	34.8
-50	0.14	0.47	0.86	1.32	1.79	2.24	2.63	2.91	3.06	3.07	2.94	2.68	2.30	1.85	1.37	0.90	0.49	0.14	31.2	31.2
-60	0.14	0.44	0.79	1.16	1.55	1.92	2.23	2.46	2.58	2.59	2.49	2.28	1.98	1.61	1.21	0.82	0.46	0.14	26.9	26.9
-70	0.13	0.41	0.71	1.02	1.32	1.59	1.82	1.98	2.07	2.08	2.01	1.86	1.64	1.36	1.06	0.74	0.43	0.14	22.4	22.4
-80	0.13	0.38	0.63	0.88	1.10	1.29	1.45	1.56	1.62	1.63	1.58	1.48	1.33	1.14	0.92	0.67	0.40	0.13	18.3	18.3
-90	0.13	0.38	0.63	0.88	1.10	1.29	1.45	1.56	1.62	1.63	1.58	1.48	1.33	1.14	0.92	0.67	0.40	0.13	18.3	18.3
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL( DEG ) 20 30 40 50 60 70 80 90																				
Φ t	2.55	8.74	16.5	25.5	34.7	43.2	50.2	55.1	57.5	57.6	55.4	50.7	43.9	35.4	26.2	17.1	9.06	2.64	592	---
Φ a	2.55	8.74	16.5	25.5	34.7	43.2	50.2	55.1	57.5	57.6	55.4	50.7	43.9	35.4	26.2	17.1	9.06	2.64	---	592

one-half-peak spread: U:62.4,D:64.2 , L:65.3,R:64.7

NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:Matthew  
Test Date:2018-12-28

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:11.510m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:220.7V I:0.0927A P:18.60W PF:0.9092 Lamp Flux:699.699x1 lm		
NAME: L1433/A-WR-12-4000K-Drum	TYPE:PROJECTOR	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

233.37 lm

%lum = 33.3%

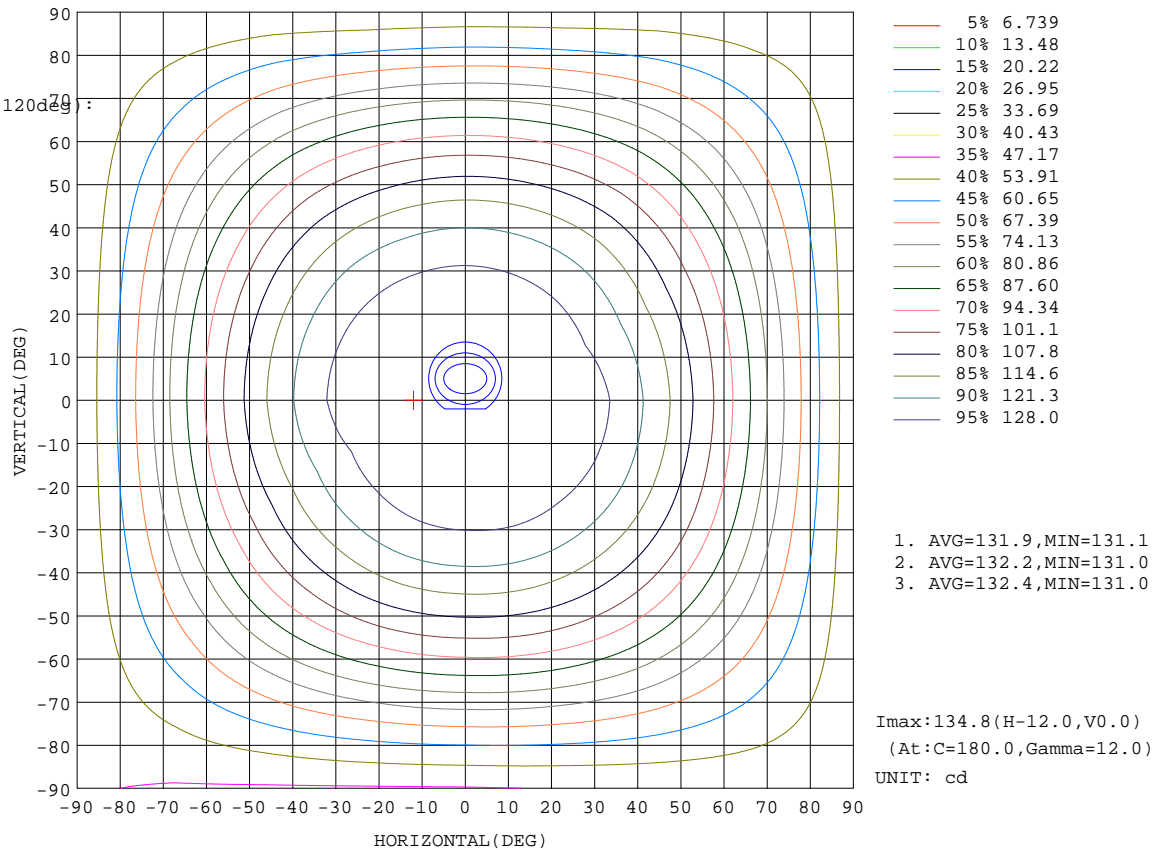
%lamp = 33.4%

Conical surface Flux(120deg):

370.92 lm

%lum = 53.0%

%lamp = 53.0%

H( $\beta$ ) Range:-90 - 90DEGH( $\beta$ ) Interval: 0.5DEG

Test Speed: HIGH

Temperature:30DEG

Operators:Matthew

Test Date:2018-12-28

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290

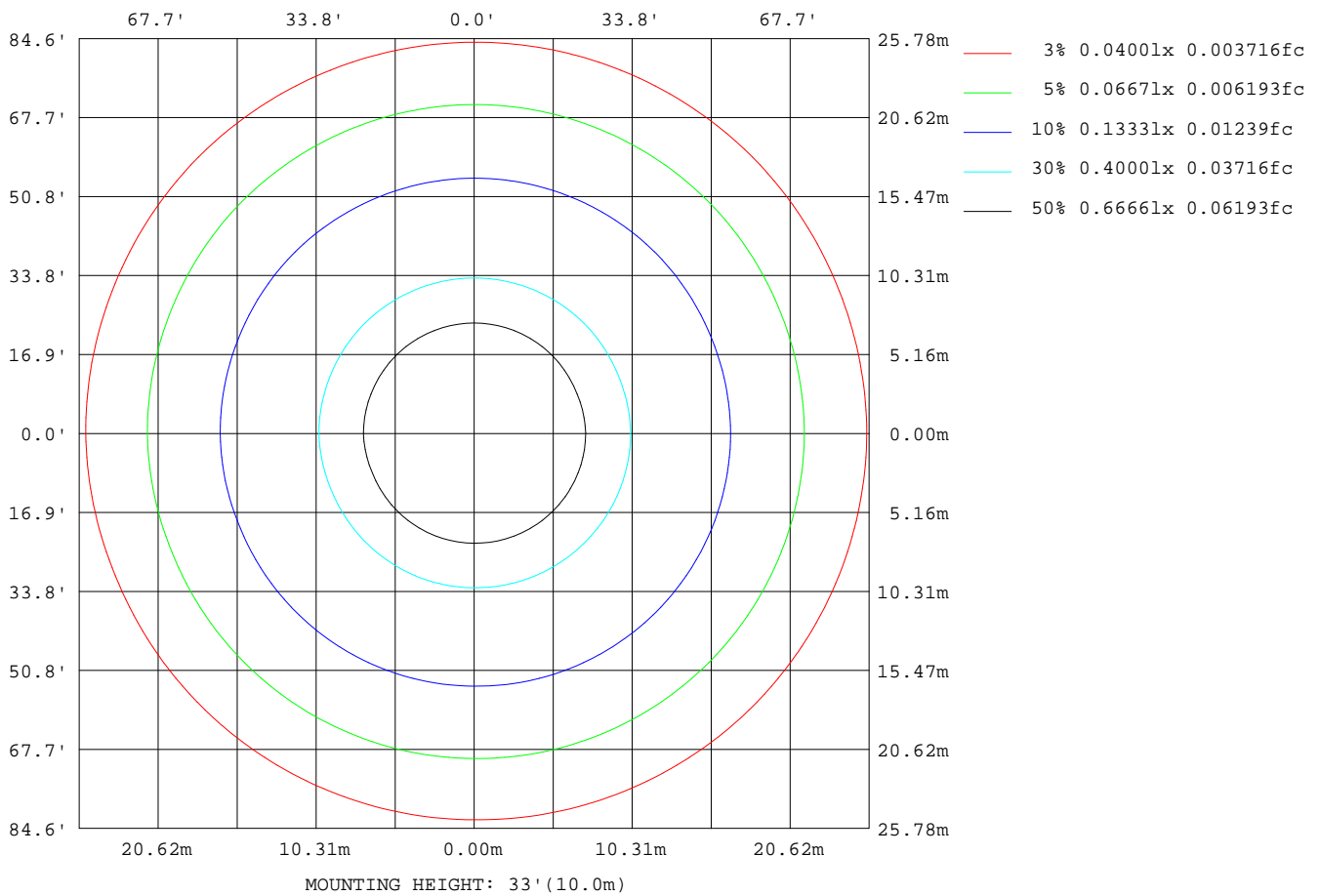
Humidity:65.0%

Test Distance:11.510m [K=1.0000]

Remarks:

## ISOLUX DIAGRAM

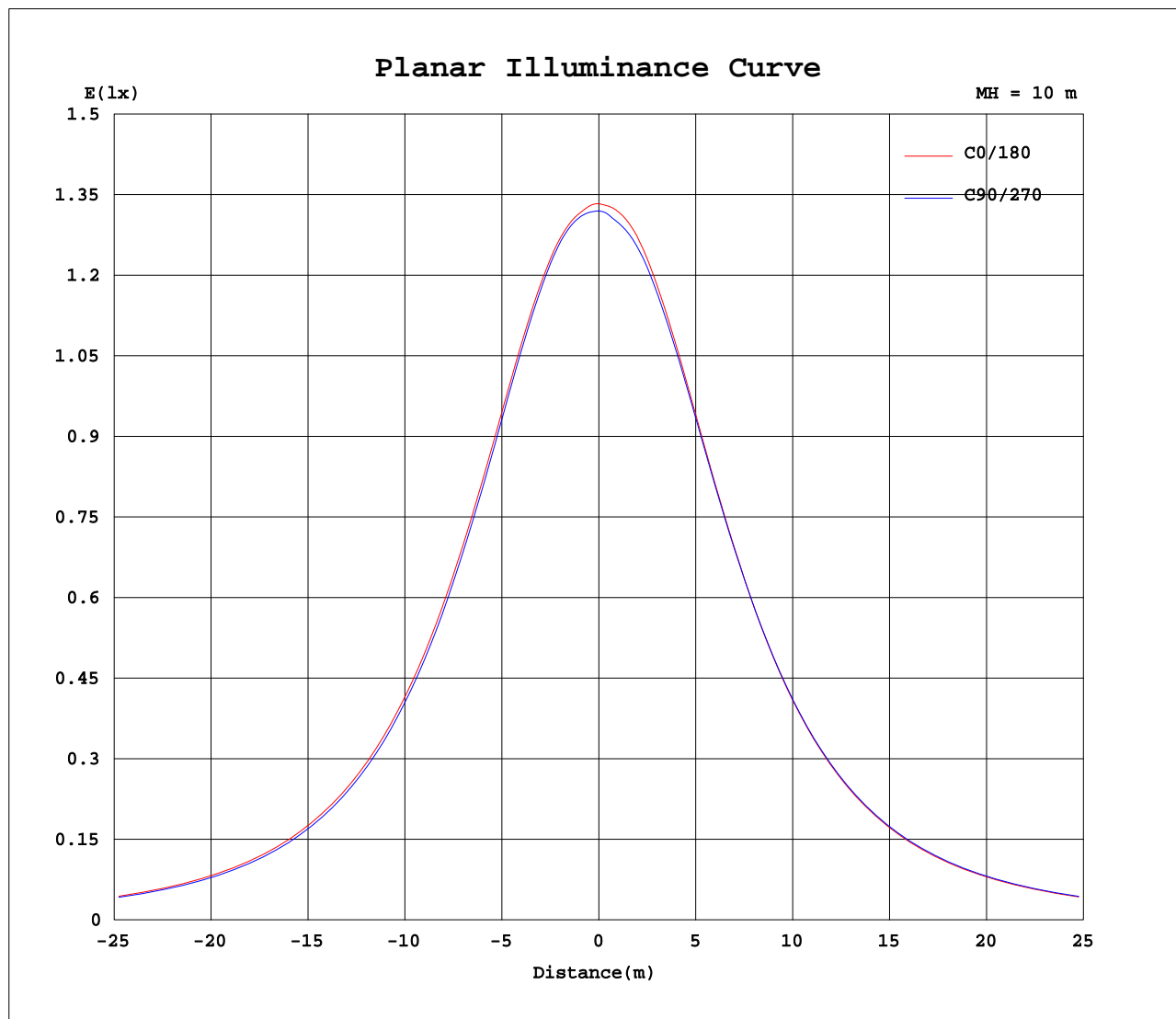
Test:U:220.7V I:0.0927A P:18.60W PF:0.9092 Lamp Flux:699.699x1 lm		
NAME: L1433/A-WR-12-4000K-Drum	TYPE:PROJECTOR	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:Matthew  
Test Date:2018-12-28

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:11.510m [K=1.0000]  
Remarks:

## Planar Illuminance Curve

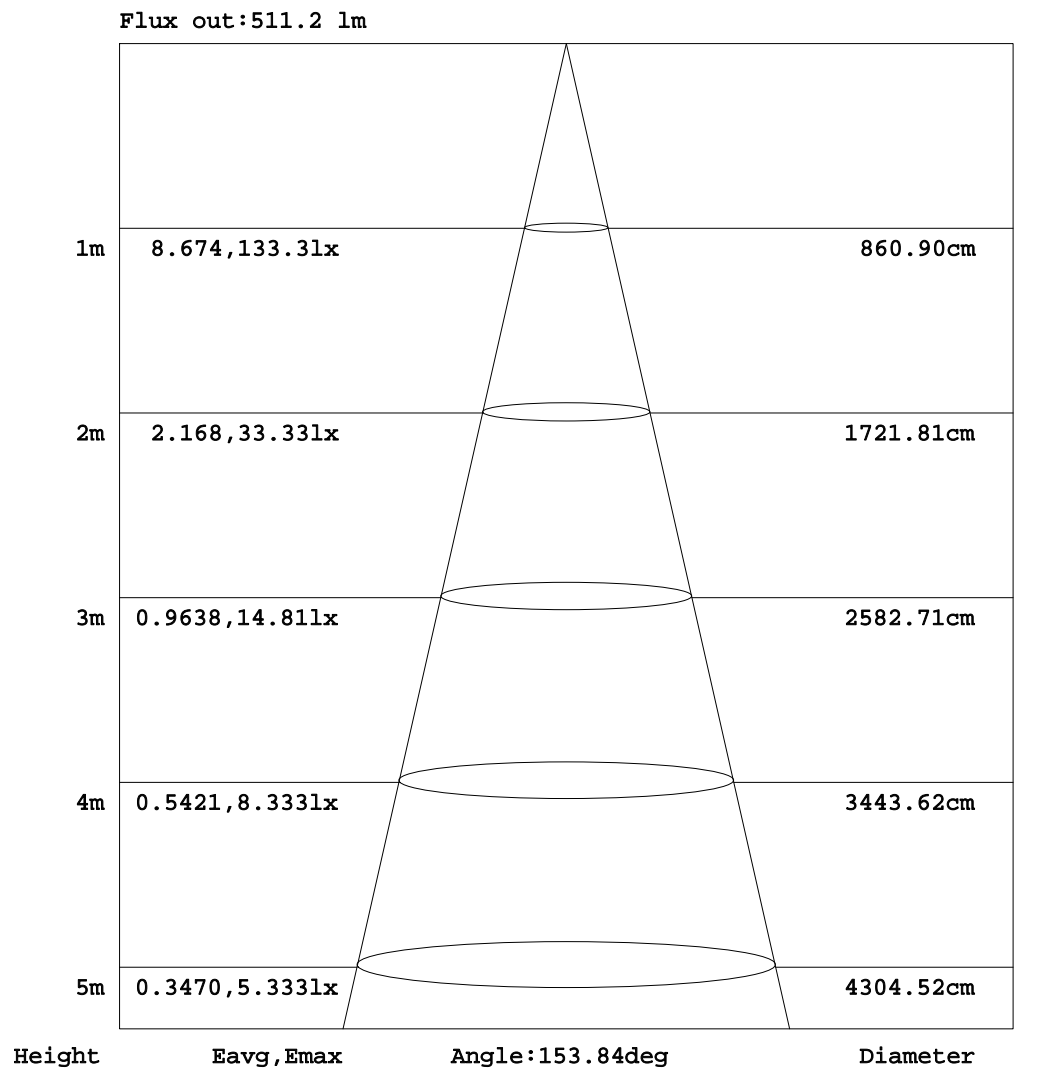


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:Matthew  
Test Date:2018-12-28

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:11.510m [K=1.0000]  
Remarks:

## AAI Figure

Test:U:220.7V I:0.0927A P:18.60W PF:0.9092 Lamp Flux:699.699x1 lm		
NAME: L1433/A-WR-12-4000K-Drum	TYPE:PROJECTOR	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:



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

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:Matthew  
Test Date:2018-12-28

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:11.510m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.0927A P:18.60W PF:0.9092 Lamp Flux:699.699x1 lm																	
NAME: L1433/A-WR-12-4000K-Drum									TYPE:PROJECTOR						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:1		
MFR.:									SUR.:						PROTECTION ANGLE:		

Table--1

UNIT: cd

H(°) \ V(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	47.7	41.2	35.8	31.3	27.4	21.8	6.31	10.1	12.6	9.36	6.32	3.75	2.29	2.30	2.30	2.30	2.30	2.30	2.29
-170	47.7	41.3	35.9	31.5	27.6	20.5	6.91	8.23	10.4	7.78	5.55	3.39	2.28	2.30	2.30	2.29	2.29	2.30	2.28
-160	47.7	41.5	36.3	32.0	28.2	21.4	8.27	6.07	8.20	6.29	4.83	3.90	2.41	2.28	2.28	2.28	2.30	2.29	2.27
-150	47.7	41.9	37.0	32.8	29.3	24.5	12.2	5.38	6.89	6.41	5.64	4.57	3.51	3.26	2.51	2.27	2.29	2.28	2.27
-140	47.7	42.5	38.0	34.1	30.8	27.8	20.4	7.79	5.34	5.96	7.19	7.48	6.51	6.89	6.71	6.98	6.33	5.97	5.92
-130	47.7	43.2	39.3	35.8	32.8	30.2	27.0	18.4	8.52	5.55	6.05	4.81	4.07	4.55	4.22	4.18	4.03	3.43	2.48
-120	47.7	44.1	40.9	37.9	35.3	33.0	31.0	27.0	20.3	10.7	4.81	7.77	11.1	11.5	9.98	8.34	7.38	6.98	7.24
-110	47.7	45.1	42.7	40.5	38.5	36.6	35.2	33.8	32.7	31.6	29.1	26.7	26.0	26.7	27.9	27.5	27.2	27.0	26.9
-100	47.7	46.3	44.8	43.5	42.3	41.2	40.3	39.4	38.7	38.0	37.5	37.0	36.5	36.2	35.9	35.7	35.6	35.5	35.5
-90	47.7	47.5	47.2	46.9	46.6	46.5	46.5	46.4	46.4	46.4	46.4	46.4	46.5	46.5	46.5	46.6	46.6	46.7	46.7
-80	47.7	48.7	49.5	50.4	51.2	52.1	53.1	54.1	55.0	55.9	56.8	57.6	58.3	58.9	59.4	59.9	60.2	60.5	60.6
-70	47.7	49.8	51.8	53.8	55.8	57.9	60.1	62.4	64.5	66.5	68.5	70.3	71.9	73.3	74.6	75.6	76.3	76.8	77.0
-60	47.7	50.9	54.0	57.2	60.5	63.8	67.4	71.0	74.6	77.9	81.0	83.8	86.3	88.4	90.2	91.6	92.7	93.5	93.8
-50	47.7	51.8	56.1	60.5	65.0	69.7	74.6	79.5	84.2	88.5	92.5	96.0	99.1	102	104	106	107	108	108
-40	47.7	52.7	57.9	63.4	69.2	75.2	81.2	87.0	92.5	97.6	102	106	110	113	115	117	119	119	120
-30	47.7	53.4	59.5	65.9	72.8	79.9	86.8	93.2	99.1	105	109	114	118	121	123	126	127	128	128
-20	47.7	54.0	60.7	67.8	75.6	83.5	91.0	98.0	104	110	115	119	123	126	129	131	132	132	133
-10	47.7	54.3	61.5	69.2	77.5	85.8	93.8	101	108	114	119	123	127	129	131	132	133	133	134
0	47.7	54.5	61.8	69.7	78.3	86.9	95.0	103	110	116	121	126	129	132	134	135	135	134	133
10	47.7	54.4	61.6	69.4	77.8	86.2	94.3	102	108	115	120	125	128	131	133	134	134	133	133
20	47.7	54.1	60.9	68.3	76.3	84.3	92.0	99.1	106	112	117	121	125	128	130	132	132	133	133
30	47.7	53.6	59.9	66.5	73.7	81.1	88.2	94.8	101	107	112	116	120	123	125	127	128	129	129
40	47.7	52.9	58.4	64.2	70.3	76.7	83.0	89.0	94.6	99.8	104	108	112	115	117	119	120	121	121
50	47.7	52.1	56.6	61.3	66.2	71.4	76.6	81.8	86.6	91.1	95.2	98.8	102	104	106	108	109	110	110
60	47.7	51.1	54.6	58.1	61.8	65.6	69.5	73.4	77.1	80.7	83.9	86.8	89.2	91.4	93.1	94.5	95.5	96.2	96.5
70	47.7	50.1	52.4	54.7	57.1	59.6	62.1	64.6	67.0	69.4	71.5	73.3	75.0	76.5	77.7	78.7	79.5	80.0	80.2
80	47.7	49.0	50.2	51.3	52.5	53.7	55.0	56.2	57.4	58.6	59.5	60.2	60.9	61.5	62.1	62.6	63.0	63.3	63.5
90	47.7	47.8	47.8	47.9	48.0	48.1	48.3	48.6	48.8	49.0	49.0	49.0	49.0	49.0	49.0	49.1	49.2	49.3	49.5
100	47.7	46.6	45.5	44.5	43.5	42.6	41.9	41.2	40.6	40.1	39.5	38.9	38.4	38.0	37.8	37.6	37.6	37.6	37.7
110	47.7	45.4	43.3	41.4	39.5	37.9	36.5	35.3	34.2	33.2	31.5	29.8	29.0	29.1	29.5	29.2	28.9	28.7	28.7
120	47.7	44.4	41.4	38.7	36.2	34.1	32.2	29.4	24.6	16.3	8.65	8.60	9.42	8.64	6.20	4.91	4.51	4.40	4.73
130	47.7	43.5	39.7	36.4	33.5	31.0	28.3	20.0	9.18	6.19	7.55	8.47	8.06	6.34	5.13	5.19	5.27	4.66	3.48
140	47.7	42.7	38.3	34.6	31.4	28.5	20.6	8.12	6.05	8.27	8.52	7.28	6.58	6.72	7.29	8.11	7.64	7.02	6.66
150	47.7	42.1	37.2	33.2	29.8	24.7	12.4	5.65	6.93	6.51	5.55	4.30	3.66	3.51	3.00	2.65	2.36	2.28	2.25
160	47.7	41.6	36.5	32.2	28.5	21.5	8.59	6.03	8.29	6.26	4.83	3.84	2.41	2.27	2.28	2.28	2.27	2.27	2.28
170	47.7	41.3	36.0	31.6	27.7	20.6	7.01	8.23	10.4	7.76	5.48	3.42	2.26	2.26	2.26	2.28	2.28	2.28	2.29
180	47.7	41.2	35.8	31.3	27.4	21.8	6.31	10.1	12.6	9.36	6.32	3.75	2.29	2.30	2.30	2.30	2.30	2.30	2.29

H(β) Range:-90 - 90DEG

H(β) Interval: 0.5DEG

Test Speed: HIGH

Temperature:30DEG

Operators:Matthew

Test Date:2018-12-28

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290

Humidity:65.0%

Test Distance:11.510m [K=1.0000]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.0927A P:18.60W PF:0.9092 Lamp Flux:699.699x1 lm																		
NAME: L1433/A-WR-12-4000K-Drum									TYPE:PROJECTOR					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:1				
MFR.:									SUR.:					PROTECTION ANGLE:				

Table--2

UNIT: cd

H(°) \ V(°)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	2.29	2.28	2.27	2.24	2.22	2.22	2.66	2.79	9.63	13.6	11.3	6.21	21.8	28.5	32.6	37.2	42.9	49.6	
-170	2.30	2.28	2.29	2.29	2.29	2.25	2.86	3.72	8.55	11.3	9.19	6.65	20.2	28.4	32.7	37.4	42.9	49.6	
-160	2.29	2.29	2.27	2.26	2.26	2.31	3.77	5.54	7.21	9.09	6.50	7.97	20.8	29.2	33.3	37.8	43.2	49.6	
-150	2.28	2.28	2.26	2.47	3.23	3.45	4.65	6.14	7.07	7.21	5.17	10.7	23.7	30.6	34.3	38.6	43.7	49.6	
-140	6.04	6.44	7.16	6.78	6.55	6.00	7.31	8.72	7.55	5.24	6.19	18.4	28.5	32.2	35.7	39.6	44.3	49.6	
-130	2.89	3.18	3.45	4.09	5.56	6.91	6.76	6.24	5.36	8.25	18.3	28.0	31.7	34.4	37.5	41.0	45.1	49.6	
-120	7.07	7.54	8.53	10.2	11.7	11.6	9.79	9.62	16.1	24.1	29.5	32.6	34.8	37.1	39.8	42.7	46.0	49.6	
-110	27.1	27.4	27.8	28.3	28.0	28.1	29.1	30.9	32.8	34.0	35.4	36.9	38.6	40.5	42.5	44.7	47.1	49.6	
-100	35.7	35.8	36.1	36.4	36.9	37.4	38.0	38.7	39.5	40.3	41.3	42.3	43.4	44.6	45.7	47.0	48.3	49.6	
-90	46.9	47.1	47.2	47.4	47.6	47.8	48.0	48.1	48.3	48.5	48.7	48.9	49.0	49.2	49.3	49.4	49.5	49.6	
-80	60.7	60.7	60.6	60.4	60.1	59.7	59.3	58.7	58.0	57.2	56.4	55.6	54.7	53.7	52.7	51.6	50.6	49.6	
-70	77.1	76.9	76.5	75.8	74.8	73.7	72.3	70.8	69.0	67.1	65.0	62.9	60.7	58.5	56.2	53.9	51.7	49.6	
-60	93.8	93.5	92.8	91.7	90.2	88.3	86.1	83.6	80.7	77.5	74.0	70.5	66.8	63.2	59.7	56.2	52.8	49.6	
-50	108	108	107	105	104	101	98.5	95.2	91.5	87.3	82.8	78.0	72.9	67.9	63.0	58.3	53.8	49.6	
-40	120	119	118	117	114	112	109	105	101	95.8	90.4	84.6	78.5	72.1	66.0	60.2	54.7	49.6	
-30	128	128	127	125	123	120	117	112	108	103	96.6	90.1	83.1	75.8	68.5	61.8	55.4	49.6	
-20	133	133	132	131	128	126	122	118	113	107	101	94.1	86.5	78.5	70.5	63.0	56.0	49.6	
-10	134	134	134	133	132	129	126	121	116	110	104	96.6	88.7	80.3	71.8	63.7	56.3	49.6	
0	133	134	135	134	133	130	127	123	117	111	105	97.5	89.5	80.9	72.3	64.0	56.4	49.6	
10	132	132	132	132	130	128	125	121	116	110	104	96.6	88.7	80.3	71.8	63.7	56.3	49.6	
20	132	132	131	130	127	125	121	117	112	107	101	94.2	86.6	78.7	70.6	63.0	56.0	49.6	
30	128	128	127	125	123	120	116	112	107	102	96.6	90.2	83.2	76.0	68.7	61.8	55.4	49.6	
40	121	120	119	117	115	112	109	105	101	96.1	90.7	84.9	78.7	72.4	66.2	60.3	54.7	49.6	
50	110	109	108	107	105	102	99.7	96.3	92.4	88.1	83.4	78.4	73.3	68.1	63.2	58.4	53.8	49.6	
60	96.3	95.8	94.9	93.6	92.0	90.0	87.7	85.1	82.0	78.6	74.9	71.1	67.2	63.5	59.8	56.3	52.8	49.6	
70	80.1	79.8	79.2	78.4	77.3	75.9	74.3	72.5	70.5	68.3	65.9	63.5	61.1	58.7	56.3	54.0	51.8	49.6	
80	63.5	63.3	63.1	62.7	62.2	61.7	61.0	60.3	59.5	58.5	57.4	56.2	55.0	53.9	52.8	51.7	50.6	49.6	
90	49.5	49.5	49.5	49.5	49.5	49.6	49.7	49.8	49.9	49.7	49.6	49.5	49.4	49.3	49.4	49.5	49.5	49.6	
100	37.7	37.8	37.9	38.2	38.6	39.0	39.6	40.2	40.9	41.5	42.2	43.0	43.9	44.8	45.9	47.1	48.4	49.6	
110	28.8	29.0	29.3	29.7	29.1	29.0	29.8	31.5	33.7	34.9	36.1	37.5	39.0	40.8	42.7	44.9	47.2	49.6	
120	4.64	5.06	5.91	7.57	9.82	10.5	9.19	8.64	15.6	24.1	29.8	32.9	35.0	37.3	40.0	42.9	46.1	49.6	
130	5.22	6.44	7.11	6.62	7.04	9.43	9.76	8.01	6.16	7.88	17.9	28.2	31.9	34.6	37.6	41.1	45.2	49.6	
140	6.88	7.44	8.18	7.46	6.55	4.80	5.22	8.45	9.26	6.29	6.44	18.1	28.7	32.4	35.8	39.7	44.4	49.6	
150	2.23	2.21	2.38	2.84	3.37	3.38	3.63	4.62	5.61	7.17	5.85	10.8	23.7	30.7	34.3	38.6	43.7	49.6	
160	2.23	2.21	2.24	2.23	2.20	2.19	2.39	4.81	6.34	8.20	6.62	8.30	20.7	29.2	33.4	37.8	43.2	49.6	
170	2.27	2.30	2.24	2.19	2.19	2.19	2.63	2.63	8.27	10.3	9.12	6.85	20.2	28.4	32.8	37.4	43.0	49.6	
180	2.29	2.28	2.27	2.24	2.22	2.22	2.66	2.79	9.63	13.6	11.3	6.21	21.8	28.5	32.6	37.2	42.9	49.6	

H(β) Range:-90 - 90DEG

H(β) Interval: 0.5DEG

Test Speed: HIGH

Temperature:30DEG

Operators:Matthew

Test Date:2018-12-28

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290

Humidity:65.0%

Test Distance:11.510m [K=1.0000]

Remarks: