

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	3382.5 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	51.3V x 51.3H
	At 50% of Imax	29.5V x 29.1H
	At 90% of Imax	11.9V x 12.3H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	872.2 lumens per klm.
	To 50% of Imax	505.5 lumens per klm.
	To 90% of Imax	112.1 lumens per klm.

Upward LOR	2.3 %
Downward LOR	97.7 %

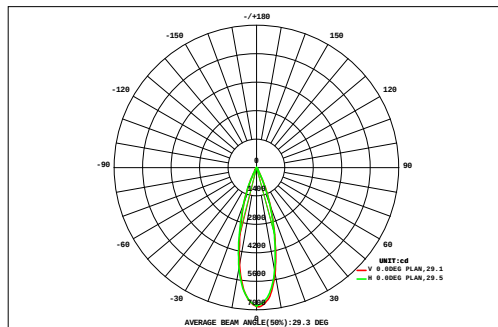
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-18

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.630m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME:Nuit 100-100mm-3000K-30D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:30 DEG	DIM.:100MM	SERIAL No.:IES001926
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:103.31lm/W	
MODEL		Imax(cd)	6850
NOMINAL POWER(W)	19.6	AVAILABILITY(%)	87.1
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	1763
NOMINAL FLUX(lm)	2025	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	2025
TEST VOLTAGE(V)	220	q @50%(H,V)	29,30DEG

45 40 35 30 25 20 15 10 5 -5 -10 -15 -20 -25 -30 -35 -40 -45	AREA FLUX DIAGRAM																UNIT:lm				F t	F a
	0.15	0.21	0.29	0.38	0.48	0.56	0.63	0.67	0.70	0.69	0.66	0.61	0.55	0.46	0.36	0.26	0.19	0.14	7.98	0.00		
	0.18	0.26	0.38	0.50	0.62	0.73	0.82	0.89	0.94	0.93	0.88	0.80	0.71	0.59	0.47	0.34	0.24	0.16	10.4	0.00		
	0.22	0.34	0.47	0.62	0.78	0.96	1.14	1.31	1.42	1.41	1.28	1.10	0.92	0.75	0.58	0.43	0.29	0.19	14.2	0.00		
	0.27	0.40	0.56	0.75	1.02	1.43	2.12	2.96	3.55	3.48	2.78	1.93	1.30	0.95	0.71	0.52	0.36	0.21	25.3	1.53		
	0.31	0.46	0.66	0.95	1.54	3.00	5.64	8.34	9.87	9.78	8.05	5.17	2.55	1.32	0.87	0.61	0.39	0.22	59.7	42.5		
	0.33	0.51	0.77	1.28	2.84	6.65	11.8	16.7	19.5	19.4	16.4	11.4	5.90	2.25	1.08	0.66	0.40	0.22	118	105		
	0.35	0.55	0.89	1.83	5.08	11.1	18.7	27.0	31.9	31.6	26.5	18.5	10.4	4.26	1.45	0.69	0.38	0.20	191	181		
	0.36	0.58	1.00	2.53	7.36	14.9	24.9	36.4	43.5	43.3	36.5	25.4	15.1	7.09	2.14	0.73	0.35	0.17	262	253		
	0.36	0.58	1.06	3.03	8.71	17.1	28.8	41.7	49.4	49.7	43.2	31.1	18.7	9.21	2.83	0.73	0.29	0.13	307	299		
	0.32	0.52	1.00	3.08	8.89	17.4	29.1	41.9	49.0	49.5	43.4	31.4	19.0	9.47	2.92	0.67	0.23	0.09	308	301		
	0.25	0.41	0.80	2.60	7.88	15.6	25.5	35.8	42.1	42.5	36.5	26.2	16.0	7.83	2.32	0.54	0.18	0.07	263	255		
	0.18	0.28	0.54	1.72	5.66	11.8	18.6	25.4	30.4	30.6	25.8	18.7	11.5	5.20	1.44	0.35	0.12	0.05	188	181		
	0.12	0.16	0.29	0.83	2.85	6.88	11.5	15.8	18.6	18.6	15.7	11.3	6.48	2.54	0.65	0.19	0.07	0.03	113	104		
	0.07	0.07	0.11	0.31	0.95	2.57	5.20	7.91	9.52	9.48	7.78	5.03	2.39	0.81	0.24	0.08	0.03	0.02	52.6	40.0		
	0.03	0.02	0.04	0.11	0.25	0.60	1.27	2.22	2.91	2.89	2.17	1.20	0.53	0.21	0.08	0.03	0.02	0.01	14.6	0.00		
	0.01	0.01	0.02	0.03	0.06	0.11	0.21	0.34	0.42	0.41	0.32	0.19	0.09	0.05	0.03	0.02	0.01	0.01	2.32	0.00		
	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.04	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.34	0.00		
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.15	0.00		
-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)						10	15	20	25	30	35	40	45	
F t	3.50	5.38	8.88	20.6	55.0	111	186	265	314	314	268	190	112	53.0	18.2	6.88	3.57	1.93	1938	---		
F a	0.00	0.00	0.00	1.15	40.5	100	176	256	305	305	259	180	101	38.4	1.37	0.00	0.00	0.00	---	1763		

one-half-peak spread: U:14.7,D:15.1 , L:15.0,R:14.3

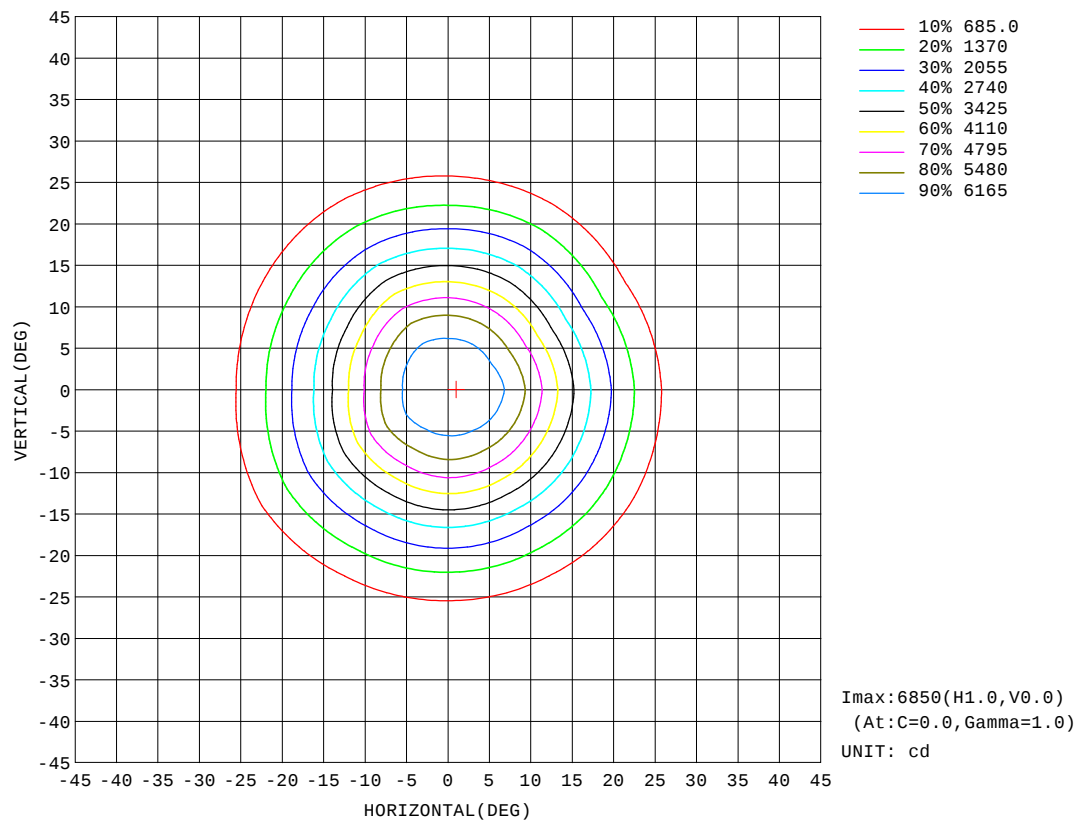
NEMA Beam Type: Type 4

H_(b) Range: -90 - 90DEG
 H_(b) Interval: 0.5DEG
 Test Speed: LOW
 Temperature: 25.3DEG
 Operators: Fan
 Test Date: 2023-10-18

V(B) Range: -180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 8.630m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

NAME:Nuit 100-100mm-3000K-30D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:30 DEG	DIM.:100MM	SERIAL No.:IES001926
MFR.:	SUR.:	Shielding Angle:

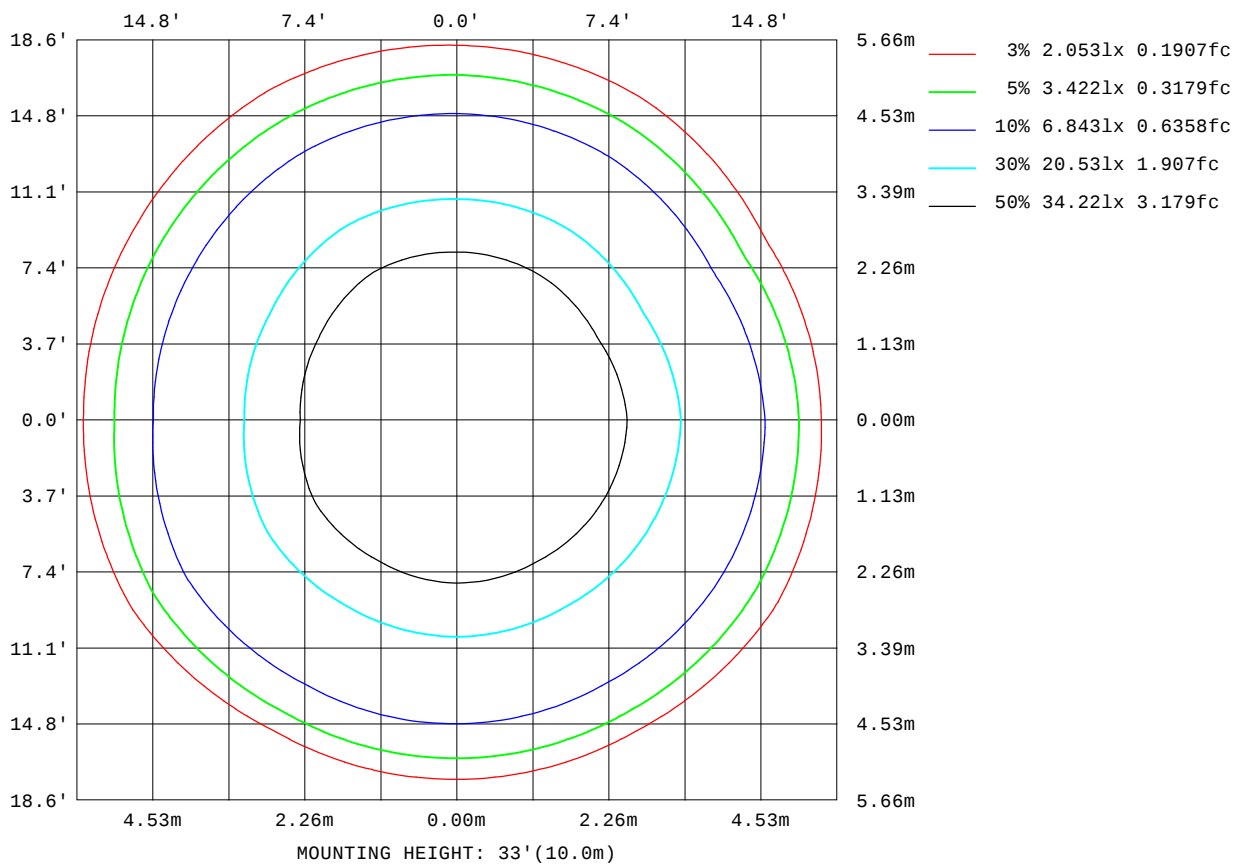


H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-18

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.630m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

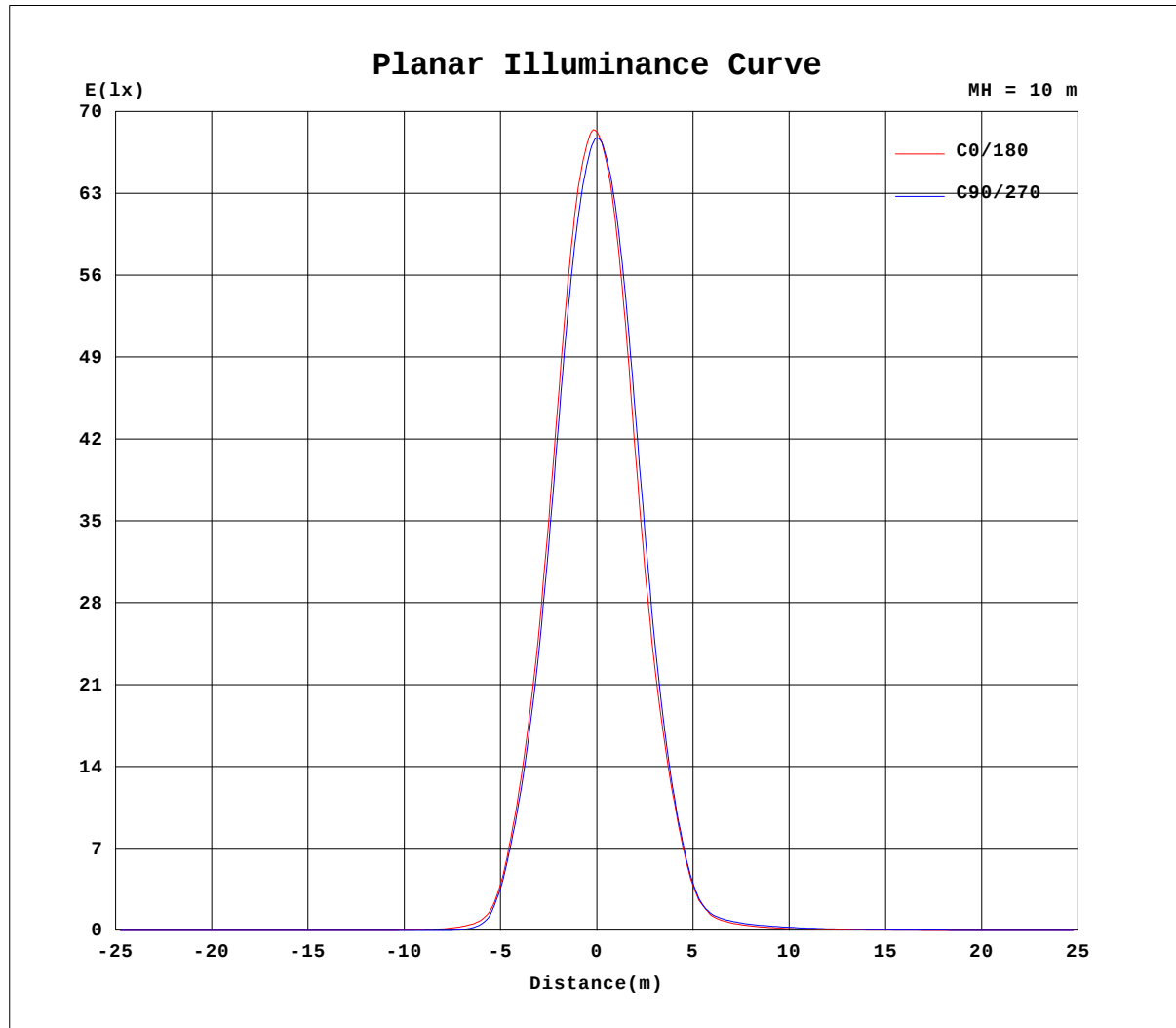
NAME:Nuit 100-100mm-3000K-30D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:30 DEG	DIM.:100MM	SERIAL No.:IES001926
MFR.:	SUR.:	Shielding Angle:



H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-10-18

V(B) Range: -180 - 180DEG
V(B) Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 8.630m [K=1.0000]
Remarks:

Planar Illuminance Curve

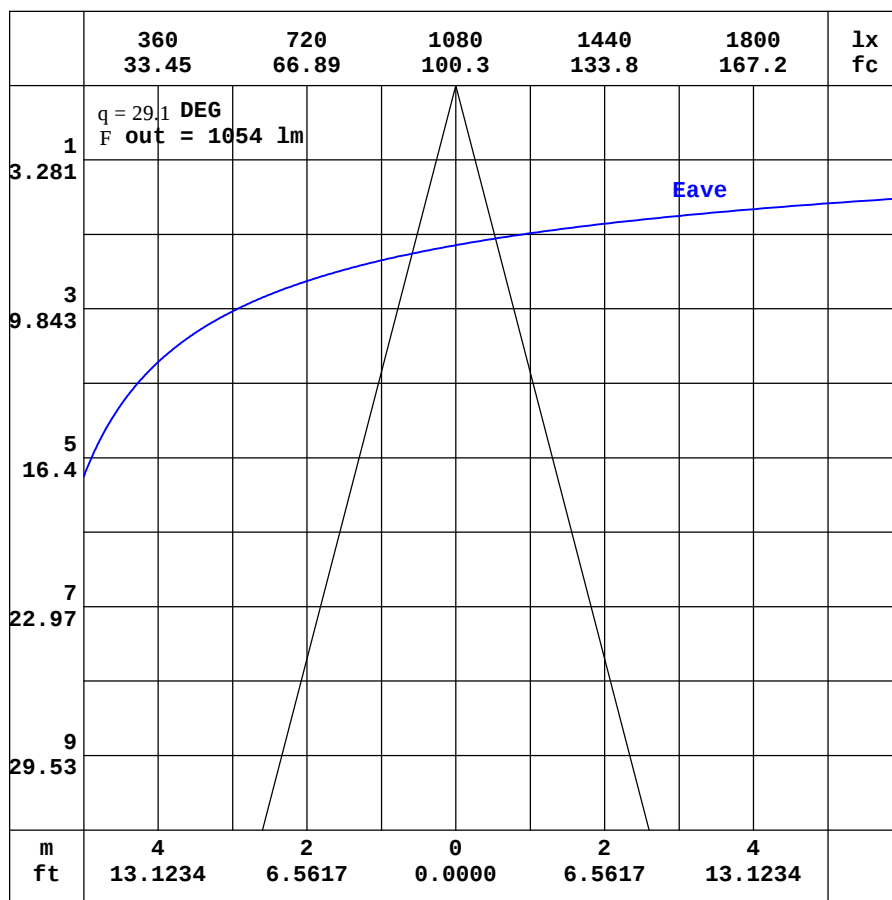


H_b Range: -90 - 90DEG
H_b Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-10-18

V(B) Range: -180 - 180DEG
V(B) Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 8.630m [K=1.0000]
Remarks:

AAI CURVES

NAME:Nuit 100-100mm-3000K-30D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:30 DEG	DIM.:100MM	SERIAL No.:IES001926
MFR.:	SUR.:	Shielding Angle:



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

H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-18

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.630m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:Nuit 100-100mm-3000K-30D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:30 DEG	DIM.:100MM	SERIAL No.:IES001926
MFR.:	SUR.:	Shielding 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	6.92	6.15	5.52	5.10	5.02	5.42	6.52	8.40	10.8	13.4	15.6	17.1	17.9	18.0	17.8	17.2	16.0	15.1	15.4
-170	6.92	6.09	5.44	4.99	4.82	4.98	5.60	6.76	8.25	9.83	11.2	12.2	12.8	13.1	13.1	13.3	14.0	14.3	14.5
-160	6.92	6.05	5.39	4.93	4.66	4.55	4.68	5.05	5.59	6.11	6.51	6.78	7.15	8.99	10.7	12.1	13.2	13.7	14.0
-150	6.92	6.03	5.37	4.89	4.55	4.27	4.02	3.79	3.54	3.15	2.82	3.71	4.88	6.20	7.53	8.72	9.58	10.1	10.3
-140	6.92	6.02	5.37	4.89	4.52	4.18	3.77	3.24	2.55	2.16	2.20	2.47	2.93	3.54	4.20	4.81	5.31	5.64	5.76
-130	6.92	6.03	5.39	4.92	4.54	4.21	3.83	3.33	2.88	2.57	2.34	2.21	2.19	2.23	2.35	2.50	2.64	2.75	2.80
-120	6.92	6.06	5.42	4.94	4.58	4.26	3.98	3.71	3.53	3.32	3.10	2.90	2.72	2.58	2.47	2.40	2.34	2.31	2.30
-110	6.92	6.10	5.46	4.95	4.55	4.24	3.97	3.90	3.90	3.88	3.83	3.76	3.69	3.61	3.53	3.47	3.43	3.40	3.38
-100	6.92	6.16	5.51	4.94	4.45	4.01	3.64	3.68	3.76	3.81	3.85	3.89	3.93	3.96	3.98	3.99	4.00	4.02	4.03
-90	6.92	6.26	5.61	4.95	4.30	3.65	2.99	3.02	3.04	3.07	3.09	3.12	3.14	3.16	3.18	3.19	3.21	3.23	3.24
-80	6.92	6.39	5.78	5.06	4.25	3.33	2.33	2.17	2.09	2.02	1.96	1.90	1.86	1.82	1.79	1.76	1.75	1.74	1.75
-70	6.92	6.55	6.01	5.28	4.35	3.24	1.94	1.39	1.24	1.12	1.02	0.93	0.86	0.81	0.77	0.75	0.74	0.74	0.74
-60	6.92	6.73	6.31	5.63	4.70	3.52	2.10	0.85	0.72	0.68	0.63	0.58	0.53	0.49	0.49	0.49	0.49	0.49	0.49
-50	6.92	6.93	6.68	6.15	5.37	4.33	3.03	1.47	0.73	0.75	0.75	0.72	0.74	0.73	0.72	0.72	0.71	0.68	0.63
-40	6.92	7.14	7.13	6.85	6.39	5.76	4.96	3.77	1.94	1.07	1.21	1.28	1.40	1.56	1.47	1.68	1.94	2.02	1.82
-30	6.92	7.36	7.62	7.70	7.75	7.82	7.81	7.48	6.58	4.69	1.96	2.93	5.27	11.4	22.8	45.4	84.5	120	130
-20	6.92	7.58	8.14	8.67	9.34	10.3	11.5	12.7	14.0	15.2	16.9	21.2	39.2	124	380	860	1335	1701	1841
-10	6.92	7.79	8.66	9.65	11.0	13.0	15.6	18.9	23.7	31.4	45.4	72.3	159	568	1440	2430	3559	4543	5008
0	6.92	7.97	9.14	10.6	12.6	15.5	19.4	25.0	33.7	49.0	75.2	119	247	779	1784	3094	4836	6265	6828
10	6.92	7.98	9.16	10.6	12.6	15.5	19.3	24.9	34.6	51.4	76.5	114	195	524	1323	2343	3624	4793	5146
20	6.92	7.96	9.11	10.5	12.3	14.9	18.4	23.2	31.2	47.1	68.0	93.4	131	201	401	873	1416	1774	1896
30	6.92	7.91	9.00	10.2	11.8	14.0	16.8	20.4	25.7	34.8	52.7	70.9	89.8	112	139	171	207	248	259
40	6.92	7.83	8.82	9.87	11.1	12.8	14.9	17.5	20.7	25.3	33.0	44.2	58.8	71.7	84.4	92.4	99.3	104	105
50	6.92	7.72	8.57	9.46	10.4	11.6	13.0	14.8	16.8	19.1	22.0	26.1	31.5	38.4	44.7	49.7	54.0	56.9	58.2
60	6.92	7.59	8.29	9.02	9.75	10.5	11.4	12.4	13.6	14.9	16.1	17.6	19.0	20.4	21.7	23.0	24.1	24.9	25.2
70	6.92	7.44	7.97	8.52	9.07	9.61	10.2	10.7	11.3	11.9	12.6	13.2	13.8	14.3	14.7	15.1	15.3	15.5	15.5
80	6.92	7.27	7.64	8.00	8.37	8.73	9.09	9.39	9.68	9.96	10.2	10.5	10.8	10.9	11.1	11.2	11.3	11.4	11.4
90	6.92	7.11	7.30	7.49	7.68	7.87	8.06	8.20	8.34	8.48	8.62	8.77	8.91	8.94	8.98	9.01	9.04	9.08	9.11
100	6.92	6.94	6.98	7.01	7.03	7.04	7.05	7.04	7.03	7.04	7.07	7.10	7.14	7.10	7.07	7.05	7.05	7.07	7.09
110	6.92	6.80	6.69	6.57	6.42	6.27	6.12	5.99	5.90	5.84	5.79	5.77	5.77	5.76	5.72	5.71	5.72	5.73	5.76
120	6.92	6.66	6.42	6.15	5.90	5.65	5.43	5.25	5.17	5.20	5.32	5.47	5.63	5.79	5.95	6.10	6.24	6.34	6.39
130	6.92	6.54	6.17	5.81	5.49	5.22	5.04	5.02	5.28	5.69	6.20	6.80	7.50	8.18	8.85	9.43	9.88	10.2	10.2
140	6.92	6.43	5.96	5.54	5.21	5.02	5.09	5.51	6.24	7.27	8.51	9.86	11.2	12.4	13.4	14.2	14.8	15.2	15.3
150	6.92	6.33	5.79	5.35	5.06	5.05	5.47	6.36	7.74	9.49	11.4	13.2	14.8	16.1	17.1	17.8	18.3	18.5	18.6
160	6.92	6.25	5.66	5.22	5.02	5.20	5.95	7.33	9.28	11.5	13.8	15.7	17.2	18.2	18.8	19.1	19.3	19.4	19.6
170	6.92	6.19	5.57	5.14	5.01	5.35	6.35	8.09	10.4	12.9	15.2	16.9	18.0	18.5	18.6	18.3	17.9	17.4	17.7
180	6.92	6.15	5.52	5.10	5.02	5.42	6.52	8.40	10.8	13.4	15.6	17.1	17.9	18.0	17.8	17.2	16.0	15.1	15.4

H_b Range:-90 - 90DEG
H_b Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-18

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.630m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:Nuit 100-100mm-3000K-30D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:30 DEG	DIM.:100MM	SERIAL No.:IES001926
MFR.:	SUR.:	Shielding 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	13.8	13.5	13.2	12.3	10.8	8.98	6.98	5.06	3.48	2.47	2.16	2.36	2.90	3.50	3.91	3.92	3.61	2.99
-170	13.9	13.7	13.2	12.2	10.6	8.72	6.71	4.81	3.32	2.42	2.17	2.40	2.94	3.52	3.92	3.92	3.60	2.99
-160	13.7	13.1	12.1	10.7	9.04	7.25	5.47	3.93	2.83	2.25	2.19	2.52	3.07	3.60	3.94	3.90	3.58	2.99
-150	10.1	9.60	8.76	7.59	6.28	4.97	3.79	2.88	2.33	2.18	2.33	2.76	3.28	3.73	3.94	3.87	3.54	2.99
-140	5.65	5.34	4.85	4.25	3.59	2.97	2.50	2.23	2.18	2.33	2.69	3.13	3.56	3.86	3.94	3.82	3.49	2.99
-130	2.75	2.65	2.52	2.37	2.24	2.21	2.22	2.33	2.56	2.86	3.21	3.54	3.80	3.92	3.91	3.74	3.42	2.99
-120	2.31	2.34	2.39	2.47	2.57	2.71	2.89	3.08	3.31	3.52	3.71	3.86	3.92	3.92	3.82	3.63	3.34	2.99
-110	3.39	3.42	3.47	3.53	3.60	3.68	3.76	3.83	3.90	3.92	3.93	3.92	3.89	3.79	3.65	3.46	3.23	2.99
-100	4.02	4.01	3.99	3.97	3.96	3.94	3.92	3.89	3.85	3.80	3.74	3.67	3.59	3.48	3.37	3.25	3.13	2.99
-90	3.23	3.22	3.21	3.20	3.19	3.18	3.17	3.15	3.13	3.11	3.10	3.08	3.06	3.05	3.03	3.02	3.01	2.99
-80	1.75	1.76	1.78	1.82	1.86	1.91	1.96	2.02	2.09	2.16	2.25	2.34	2.44	2.54	2.65	2.76	2.88	2.99
-70	0.74	0.75	0.77	0.80	0.84	0.90	0.98	1.07	1.18	1.31	1.46	1.64	1.87	2.08	2.29	2.50	2.75	2.99
-60	0.49	0.50	0.50	0.50	0.50	0.51	0.54	0.59	0.66	0.77	0.91	1.14	1.41	1.70	1.99	2.29	2.63	2.99
-50	0.66	0.68	0.68	0.66	0.63	0.62	0.65	0.66	0.63	0.58	0.67	0.89	1.13	1.42	1.75	2.12	2.52	2.99
-40	1.91	1.75	1.52	1.34	1.37	1.17	1.12	1.00	0.88	0.84	0.80	0.84	1.03	1.25	1.58	1.97	2.42	2.99
-30	117	76.7	40.9	18.0	8.95	4.32	2.59	1.63	1.49	1.26	1.14	1.02	1.04	1.20	1.48	1.88	2.35	2.99
-20	1692	1312	815	352	101	30.7	11.7	5.73	2.79	1.98	1.52	1.30	1.15	1.22	1.42	1.81	2.30	2.99
-10	4616	3626	2443	1399	522	120	39.6	16.2	5.79	2.86	1.98	1.55	1.31	1.29	1.41	1.77	2.27	2.99
0	6512	5275	3498	1983	835	188	64.4	26.0	9.37	3.70	2.39	1.77	1.47	1.37	1.43	1.77	2.26	2.99
10	4720	3619	2331	1240	437	152	79.8	45.6	23.5	12.3	7.61	5.20	3.69	2.78	2.30	2.25	2.46	2.99
20	1757	1365	779	328	172	119	81.5	51.7	29.5	17.5	11.4	7.96	5.58	4.04	3.12	2.72	2.66	2.99
30	236	197	162	132	106	84.7	64.3	44.2	28.4	19.2	13.6	9.70	6.93	5.03	3.84	3.17	2.86	2.99
40	103	97.8	90.3	81.1	68.0	53.3	40.0	30.0	23.7	18.9	14.1	10.4	7.68	5.74	4.42	3.56	3.06	2.99
50	56.2	52.6	47.7	41.8	35.1	29.0	24.4	20.9	18.3	16.0	13.4	10.3	7.99	6.20	4.86	3.88	3.25	2.99
60	24.6	23.6	22.4	21.1	19.7	18.3	16.9	15.5	14.2	13.0	11.8	9.92	8.02	6.45	5.15	4.13	3.42	2.99
70	15.4	15.1	14.8	14.4	13.9	13.3	12.7	12.0	11.4	10.8	10.3	9.38	7.85	6.49	5.30	4.33	3.57	2.99
80	11.3	11.2	11.0	10.8	10.6	10.4	10.2	9.89	9.60	9.31	9.01	8.62	7.44	6.35	5.36	4.47	3.68	2.99
90	9.03	8.95	8.86	8.78	8.69	8.61	8.46	8.30	8.15	8.00	7.84	7.69	6.91	6.12	5.34	4.56	3.77	2.99
100	7.02	6.96	6.92	6.89	6.87	6.87	6.80	6.75	6.72	6.70	6.68	6.65	6.25	5.78	5.23	4.58	3.84	2.99
110	5.69	5.64	5.59	5.56	5.55	5.54	5.53	5.51	5.51	5.55	5.63	5.68	5.58	5.38	5.05	4.55	3.87	2.99
120	6.33	6.22	6.05	5.83	5.64	5.49	5.35	5.21	5.08	5.04	5.01	4.97	5.00	5.00	4.85	4.50	3.89	2.99
130	10.2	9.90	9.45	8.88	8.22	7.55	6.85	6.22	5.69	5.28	4.88	4.67	4.62	4.66	4.65	4.41	3.87	2.99
140	15.2	14.8	14.2	13.4	12.4	11.2	9.94	8.60	7.36	6.08	5.00	4.46	4.35	4.40	4.46	4.32	3.85	2.99
150	18.6	18.3	17.9	17.2	16.2	14.9	13.3	11.5	8.72	6.43	4.95	4.24	4.05	4.18	4.29	4.22	3.81	2.99
160	19.5	19.5	19.2	18.8	18.2	17.3	14.4	11.2	8.28	5.97	4.50	3.81	3.72	3.94	4.16	4.12	3.75	2.99
170	17.5	18.0	18.5	17.7	16.0	13.9	11.4	8.80	6.41	4.57	3.52	3.15	3.31	3.70	4.03	4.02	3.69	2.99
180	13.8	13.5	13.2	12.3	10.8	8.98	6.98	5.06	3.48	2.47	2.16	2.36	2.90	3.50	3.91	3.92	3.61	2.99

H_b Range:-90 - 90DEG
H_b Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-18

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.630m [K=1.0000]
Remarks: