

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1859.1 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	63.9V x 65.5H
	At 50% of Imax	43.2V x 44.8H
	At 90% of Imax	20.9V x 23.3H

Beam Flux	Total	999.8 lumens per klm.
	To 10% of Imax	900.6 lumens per klm.
	To 50% of Imax	645.5 lumens per klm.
	To 90% of Imax	195.1 lumens per klm.

Upward LOR	2.4 %
Downward LOR	97.6 %

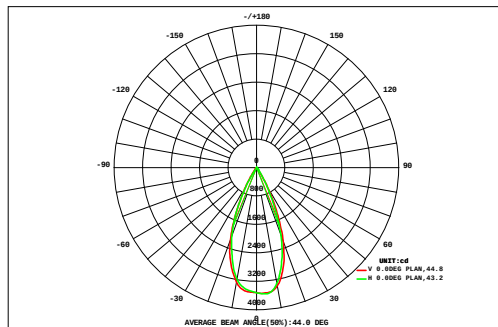
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-18

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-45D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:45 DEG	DIM.:100MM	SERIAL No.:IES001927
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:97.68lm/W	
MODEL		Imax(cd)	3560
NOMINAL POWER(W)	19.6	AVAILABILITY(%)	90.0
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	1723
NOMINAL FLUX(lm)	1915	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1915
TEST VOLTAGE(V)	220	q @50%(H,V)	45,43DEG

45 40 35 30 25 20 15 10 5 0 -5 -10 -15 -20 -25 -30 -35 -40 -45 -45	AREA FLUX DIAGRAM																UNIT:lm				F t	F a
	0.16	0.22	0.30	0.40	0.51	0.60	0.68	0.74	0.77	0.76	0.71	0.64	0.55	0.45	0.35	0.27	0.20	0.15	8.45	0.00		
	0.19	0.28	0.39	0.53	0.69	0.86	1.03	1.17	1.25	1.24	1.13	0.96	0.79	0.62	0.46	0.34	0.24	0.17	12.4	0.00		
	0.23	0.35	0.51	0.71	1.01	1.45	1.97	2.44	2.68	2.64	2.35	1.84	1.31	0.90	0.62	0.43	0.29	0.20	21.9	5.13		
	0.28	0.43	0.65	1.03	1.74	2.94	4.36	5.53	6.16	6.11	5.40	4.15	2.71	1.55	0.88	0.55	0.35	0.21	45.0	35.6		
	0.32	0.51	0.87	1.63	3.24	5.72	8.44	10.7	11.9	11.8	10.5	8.13	5.33	2.91	1.42	0.72	0.40	0.22	84.7	77.2		
	0.35	0.61	1.19	2.65	5.57	9.57	13.7	16.7	18.0	18.0	16.4	13.1	8.89	4.96	2.31	1.00	0.45	0.23	134	128		
	0.38	0.71	1.64	4.03	8.27	13.7	18.3	21.3	22.9	22.9	21.2	17.7	12.6	7.47	3.62	1.44	0.52	0.22	179	174		
	0.39	0.80	2.13	5.36	10.6	16.6	21.1	24.3	26.1	26.1	24.3	20.7	15.9	10.1	5.02	1.94	0.60	0.20	212	208		
	0.39	0.85	2.47	6.20	11.9	17.9	22.4	25.6	26.8	26.9	25.9	22.9	18.1	11.9	6.05	2.32	0.65	0.17	229	226		
	0.35	0.81	2.53	6.40	12.1	17.9	22.3	25.3	26.2	26.5	25.9	23.1	18.3	12.2	6.24	2.35	0.61	0.13	229	226		
	0.28	0.67	2.25	5.92	11.3	16.7	20.7	23.6	25.0	25.3	24.1	21.3	16.8	11.0	5.50	1.98	0.47	0.10	213	210		
	0.20	0.46	1.67	4.77	9.49	14.3	17.8	20.3	22.0	22.2	20.7	18.0	14.0	8.81	4.15	1.39	0.28	0.06	181	177		
	0.13	0.25	0.97	3.14	6.68	10.7	14.0	16.3	17.6	17.6	16.3	13.8	10.0	5.85	2.57	0.73	0.12	0.04	137	133		
	0.07	0.09	0.37	1.44	3.62	6.49	9.31	11.5	12.7	12.6	11.2	8.66	5.74	3.00	1.10	0.23	0.04	0.02	88.1	83.9		
	0.03	0.03	0.08	0.37	1.23	2.76	4.54	6.07	6.88	6.75	5.70	4.02	2.27	0.89	0.23	0.04	0.02	0.01	41.9	36.7		
	0.01	0.01	0.02	0.06	0.15	0.44	1.07	1.71	2.05	1.98	1.50	0.80	0.25	0.08	0.03	0.02	0.01	0.01	10.2	3.49		
	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.06	0.06	0.05	0.04	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.42	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	0.01	0.17	0.00		
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)				10	15	20	25	30	35	40	45		
F t	3.78	7.10	18.1	44.7	88.2	139	182	213	229	229	213	180	134	82.6	40.6	15.7	5.27	2.15	1827	---		
F a	0.00	0.00	6.56	37.4	82.2	134	177	209	225	225	209	175	129	76.4	33.2	5.14	0.00	0.00	---	1723		

one-half-peak spread: U:26.0,D:17.4 , L:25.0,R:20.0

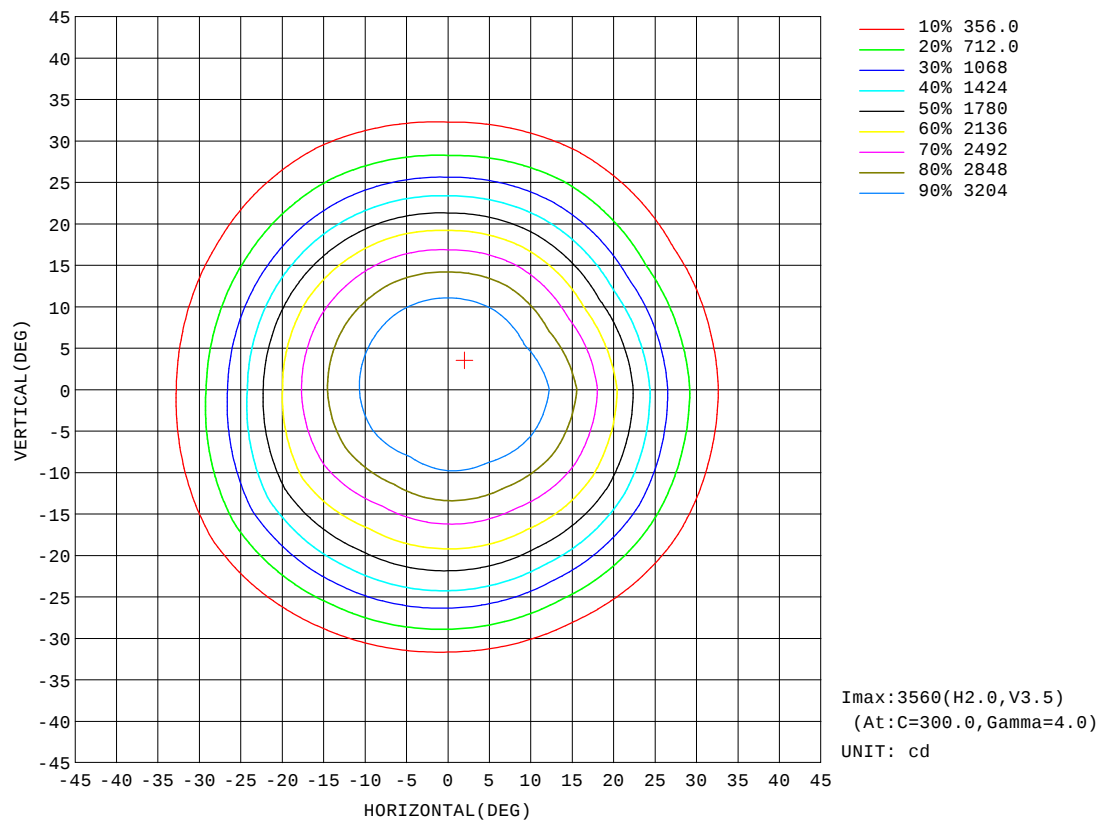
NEMA Beam Type: Type 4

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-45D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:45 DEG	DIM.:100MM	SERIAL No.:IES001927
MFR.:	SUR.:	Shielding Angle:

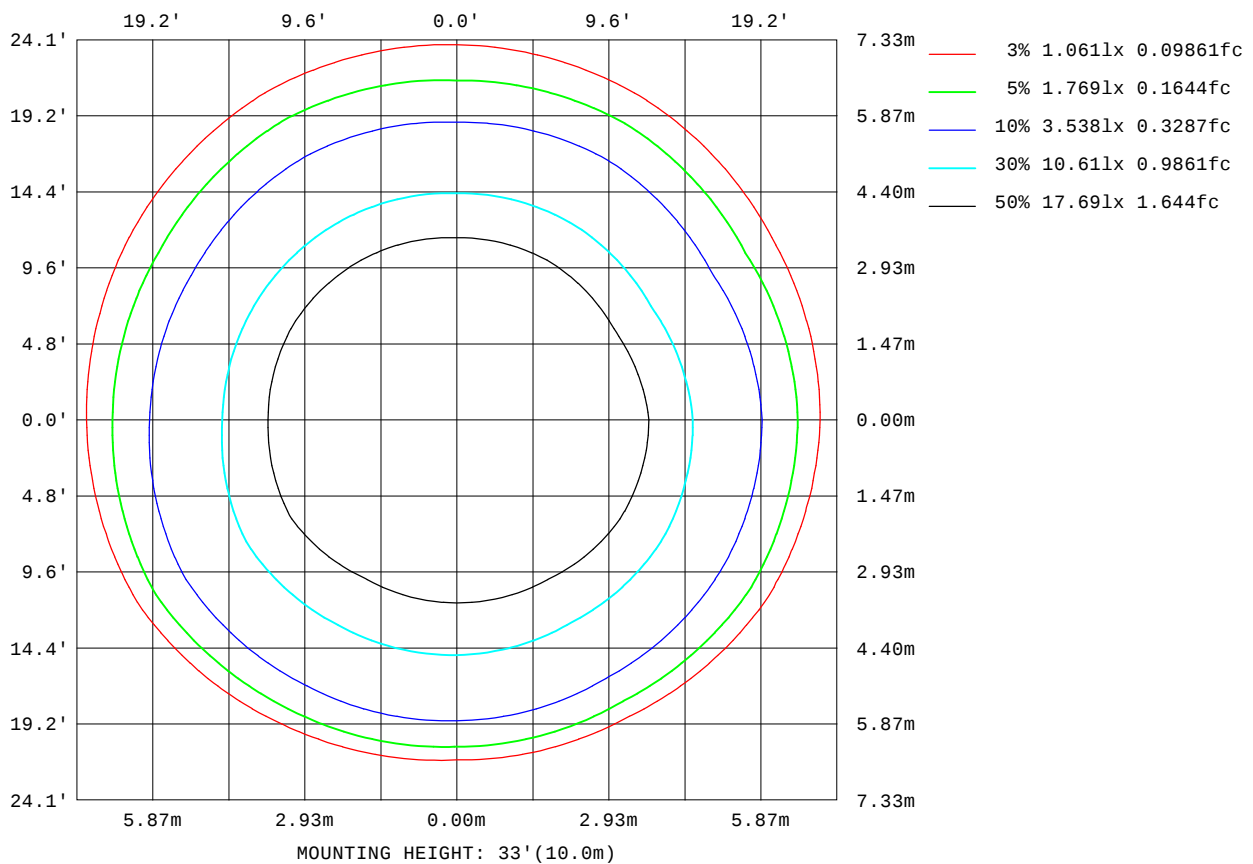


H_(b) Range: -90 - 90DEG
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Test Speed: LOW
Temperature: 25.3DEG
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Humidity: 65.0%
Test Distance: 8.630m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

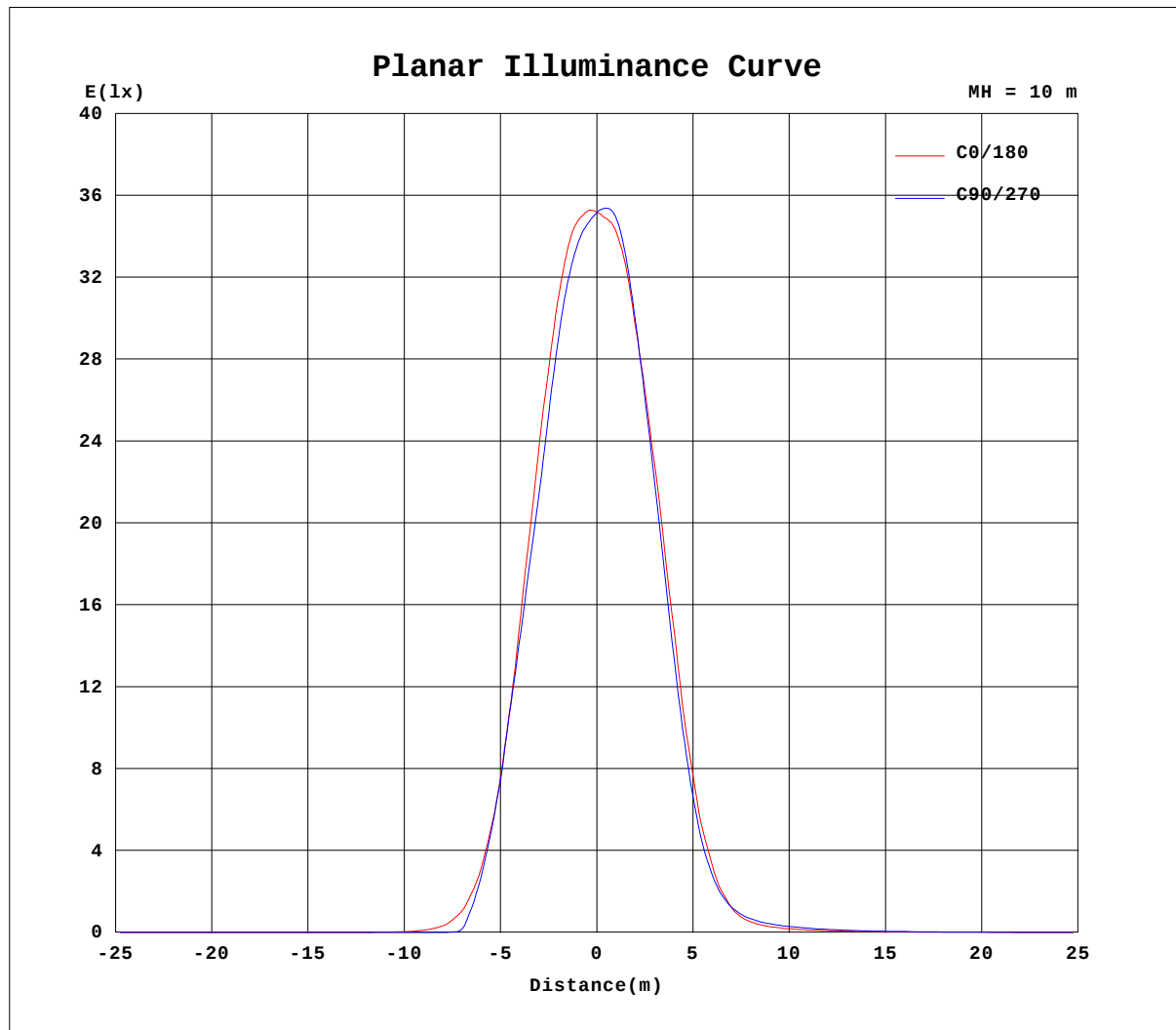
NAME:Nuit 100-100mm-3000K-45D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:45 DEG	DIM.:100MM	SERIAL No.:IES001927
MFR.:	SUR.:	Shielding Angle:



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

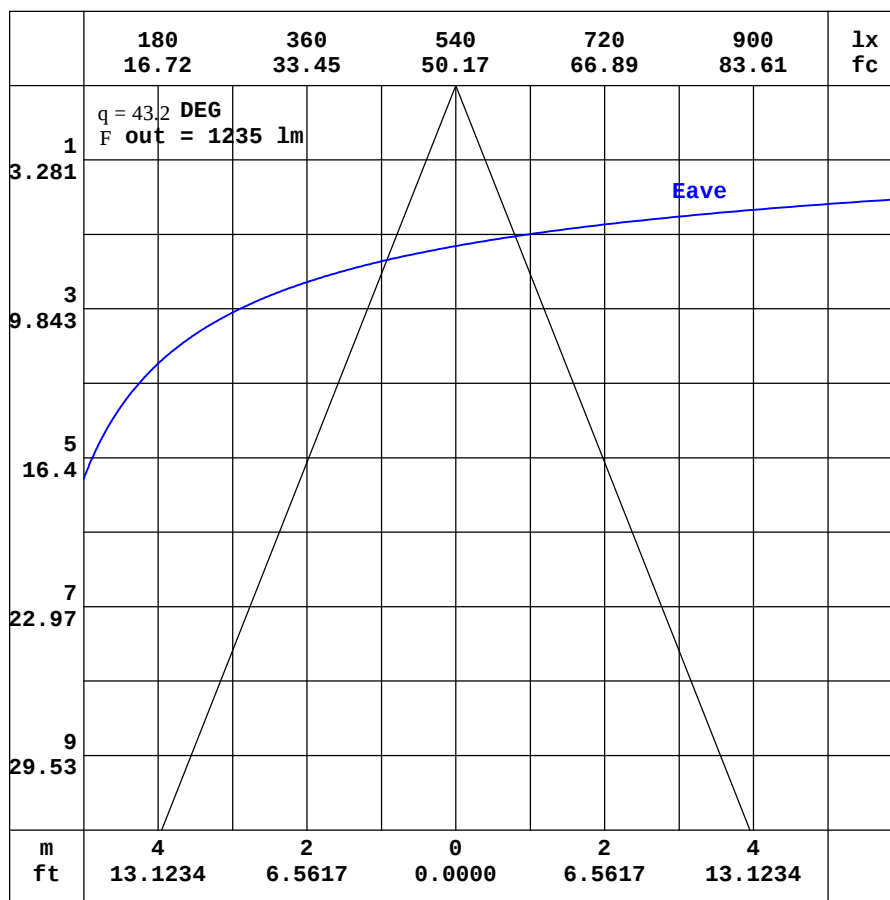


H_b Range: -90 - 90DEG
H_b Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-10-18

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-45D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:45 DEG	DIM.:100MM	SERIAL No.:IES001927
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-45D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:45 DEG	DIM.:100MM	SERIAL No.:IES001927
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	6.71	6.02	5.55	5.28	5.39	6.00	7.13	8.67	10.5	12.3	14.0	15.4	16.4	16.9	16.7	16.1	15.4	15.0	15.4
-170	6.71	5.94	5.42	5.08	5.07	5.42	6.13	7.11	8.20	9.30	10.3	11.1	11.6	11.8	11.7	11.8	12.5	13.1	13.5
-160	6.71	5.88	5.31	4.90	4.76	4.83	5.10	5.49	5.87	6.20	6.40	6.52	6.68	8.10	9.44	10.6	11.4	11.9	12.2
-150	6.71	5.83	5.23	4.76	4.50	4.33	4.23	4.14	3.95	3.60	3.32	4.04	4.96	5.99	7.03	7.97	8.64	9.09	9.27
-140	6.71	5.81	5.18	4.67	4.31	4.00	3.68	3.28	2.76	2.54	2.68	2.97	3.39	3.88	4.41	4.90	5.30	5.56	5.66
-130	6.71	5.79	5.14	4.62	4.18	3.82	3.43	2.97	2.66	2.56	2.53	2.53	2.57	2.68	2.82	2.98	3.11	3.20	3.25
-120	6.71	5.80	5.12	4.59	4.12	3.71	3.33	3.03	2.96	2.87	2.79	2.70	2.65	2.59	2.56	2.55	2.55	2.55	2.56
-110	6.71	5.82	5.14	4.56	4.06	3.63	3.22	3.10	3.12	3.13	3.12	3.10	3.08	3.05	3.01	2.98	2.96	2.95	2.95
-100	6.71	5.88	5.18	4.55	3.97	3.44	2.95	2.97	3.01	3.05	3.09	3.12	3.15	3.17	3.19	3.20	3.21	3.23	3.24
-90	6.71	6.01	5.31	4.62	3.92	3.22	2.52	2.54	2.56	2.57	2.59	2.61	2.63	2.64	2.66	2.68	2.69	2.71	2.73
-80	6.71	6.18	5.55	4.82	4.01	3.11	2.13	1.99	1.94	1.89	1.85	1.81	1.77	1.74	1.73	1.71	1.70	1.70	1.71
-70	6.71	6.36	5.81	5.14	4.27	3.21	1.96	1.45	1.33	1.23	1.14	1.06	0.99	0.94	0.91	0.88	0.87	0.86	0.87
-60	6.71	6.55	6.19	5.59	4.78	3.67	2.28	1.00	0.91	0.86	0.80	0.71	0.62	0.52	0.52	0.52	0.52	0.52	0.52
-50	6.71	6.76	6.62	6.25	5.59	4.64	3.34	1.71	0.95	0.93	0.89	0.86	0.88	0.82	0.80	0.80	0.78	0.75	0.69
-40	6.71	6.99	7.11	7.05	6.78	6.21	5.37	4.13	2.20	1.33	1.49	1.54	1.65	1.84	1.70	1.80	1.90	1.97	1.74
-30	6.71	7.23	7.67	8.01	8.22	8.38	8.36	8.00	7.15	5.22	2.27	3.75	9.00	32.7	110	254	414	532	563
-20	6.71	7.47	8.26	9.09	9.97	11.0	12.2	13.5	15.0	16.1	18.9	42.9	183	501	949	1405	1744	1961	2037
-10	6.71	7.69	8.81	10.2	11.8	13.8	16.5	20.0	25.0	33.1	54.5	159	507	1131	1867	2417	2797	3053	3189
0	6.71	7.87	9.31	11.1	13.4	16.4	20.5	26.5	35.5	51.9	90.9	223	626	1302	2130	2796	3266	3490	3519
10	6.71	7.90	9.35	11.2	13.5	16.5	20.6	26.6	36.6	53.9	88.5	178	451	998	1751	2448	2897	3195	3301
20	6.71	7.89	9.30	11.0	13.2	15.9	19.7	24.9	33.6	48.6	72.9	117	211	429	810	1259	1676	1936	1999
30	6.71	7.83	9.15	10.7	12.6	15.0	18.0	22.0	27.9	37.8	53.9	75.3	104	148	219	332	439	514	528
40	6.71	7.74	8.92	10.3	11.9	13.8	16.1	18.9	22.5	27.6	35.8	47.1	60.7	75.9	91.1	104	114	121	123
50	6.71	7.63	8.66	9.78	11.0	12.4	14.1	16.0	18.2	20.8	23.9	28.4	34.3	41.4	47.3	52.0	55.8	58.2	59.2
60	6.71	7.51	8.34	9.21	10.2	11.1	12.2	13.4	14.8	16.2	17.7	19.3	20.8	22.4	23.7	24.9	26.0	26.8	27.1
70	6.71	7.36	7.99	8.67	9.34	10.0	10.7	11.4	12.1	12.9	13.7	14.5	15.3	15.9	16.3	16.7	17.0	17.1	17.2
80	6.71	7.18	7.65	8.11	8.56	9.03	9.49	9.86	10.2	10.6	10.9	11.3	11.6	11.8	11.9	12.0	12.1	12.2	12.3
90	6.71	6.99	7.28	7.56	7.84	8.12	8.41	8.60	8.80	9.00	9.20	9.39	9.59	9.63	9.68	9.72	9.76	9.81	9.85
100	6.71	6.80	6.95	7.09	7.22	7.33	7.43	7.50	7.56	7.63	7.72	7.83	7.94	7.92	7.90	7.90	7.91	7.93	7.97
110	6.71	6.66	6.69	6.68	6.65	6.60	6.51	6.44	6.41	6.41	6.44	6.51	6.60	6.62	6.62	6.64	6.68	6.72	6.77
120	6.71	6.55	6.44	6.31	6.14	5.96	5.77	5.61	5.59	5.74	6.01	6.25	6.45	6.61	6.75	6.88	7.00	7.10	7.18
130	6.71	6.43	6.21	5.98	5.73	5.53	5.35	5.43	5.85	6.35	6.84	7.38	7.97	8.52	9.03	9.48	9.81	10.0	10.1
140	6.71	6.33	6.02	5.71	5.48	5.33	5.55	6.09	6.86	7.79	8.77	9.77	10.7	11.6	12.4	13.0	13.6	13.9	14.0
150	6.71	6.23	5.85	5.52	5.36	5.47	6.05	6.98	8.17	9.49	10.9	12.2	13.5	14.6	15.5	16.2	16.7	16.9	17.1
160	6.71	6.14	5.72	5.39	5.33	5.71	6.58	7.83	9.34	11.0	12.6	14.1	15.4	16.4	17.0	17.3	17.5	17.5	17.7
170	6.71	6.07	5.62	5.33	5.36	5.91	6.96	8.43	10.1	12.0	13.7	15.2	16.3	16.9	17.0	16.7	16.3	16.0	16.4
180	6.71	6.02	5.55	5.28	5.39	6.00	7.13	8.67	10.5	12.3	14.0	15.4	16.4	16.9	16.7	16.1	15.4	15.0	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-45D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:45 DEG	DIM.:100MM	SERIAL No.:IES001927
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	12.8	12.0	11.1	9.86	8.32	6.70	5.20	3.95	3.08	2.63	2.56	2.70	2.97	3.16	3.15	2.95	2.58
-170	12.8	12.4	11.7	10.8	9.56	8.05	6.48	5.01	3.82	3.02	2.60	2.57	2.72	2.97	3.16	3.15	2.95	2.58
-160	11.9	11.4	10.6	9.56	8.27	6.89	5.53	4.32	3.40	2.81	2.57	2.58	2.76	3.01	3.15	3.14	2.94	2.58
-150	9.11	8.71	8.07	7.16	6.14	5.12	4.18	3.43	2.90	2.61	2.56	2.64	2.86	3.07	3.16	3.12	2.92	2.58
-140	5.58	5.35	4.98	4.50	3.98	3.47	3.05	2.75	2.59	2.55	2.61	2.78	2.98	3.13	3.16	3.09	2.88	2.58
-130	3.22	3.13	3.01	2.87	2.72	2.61	2.56	2.55	2.58	2.67	2.81	2.97	3.10	3.15	3.15	3.04	2.84	2.58
-120	2.56	2.56	2.56	2.57	2.60	2.65	2.71	2.79	2.88	2.97	3.05	3.12	3.15	3.15	3.09	2.97	2.79	2.58
-110	2.95	2.96	2.98	3.01	3.05	3.09	3.12	3.14	3.16	3.16	3.16	3.15	3.14	3.08	2.98	2.87	2.74	2.58
-100	3.23	3.22	3.21	3.20	3.19	3.17	3.16	3.14	3.12	3.09	3.05	3.01	2.95	2.89	2.82	2.75	2.67	2.58
-90	2.72	2.71	2.70	2.70	2.69	2.68	2.67	2.67	2.66	2.65	2.64	2.64	2.63	2.62	2.61	2.60	2.59	2.58
-80	1.72	1.72	1.74	1.76	1.80	1.84	1.87	1.92	1.98	2.04	2.10	2.17	2.24	2.30	2.37	2.44	2.52	2.58
-70	0.87	0.88	0.90	0.94	0.99	1.05	1.13	1.21	1.32	1.43	1.55	1.70	1.87	2.02	2.14	2.28	2.43	2.58
-60	0.52	0.52	0.52	0.52	0.54	0.60	0.66	0.72	0.81	0.94	1.09	1.34	1.58	1.80	1.99	2.14	2.36	2.58
-50	0.73	0.74	0.75	0.72	0.69	0.68	0.73	0.75	0.74	0.71	0.83	1.12	1.39	1.65	1.88	2.06	2.29	2.58
-40	1.78	1.73	1.64	1.52	1.49	1.34	1.31	1.18	1.03	1.00	1.00	1.08	1.32	1.56	1.80	2.01	2.23	2.58
-30	505	369	202	54.5	18.7	5.16	2.29	1.89	1.75	1.48	1.40	1.30	1.36	1.55	1.76	1.97	2.18	2.58
-20	1956	1705	1317	840	411	138	20.3	6.39	3.63	2.25	1.83	1.63	1.50	1.61	1.76	1.96	2.14	2.58
-10	3108	2865	2445	1812	1047	445	127	25.3	7.83	3.44	2.29	1.95	1.70	1.70	1.79	1.95	2.13	2.58
0	3529	3374	2906	2198	1322	609	194	48.2	12.7	4.60	2.70	2.24	1.90	1.81	1.84	1.96	2.12	2.58
10	3195	2858	2329	1616	913	411	150	55.1	25.1	13.1	8.18	5.74	4.16	3.25	2.71	2.44	2.32	2.58
20	1910	1628	1193	737	378	179	91.3	51.9	30.4	18.3	12.2	8.51	6.08	4.53	3.51	2.89	2.51	2.58
30	503	418	308	197	129	88.7	63.1	44.5	29.5	20.2	14.3	10.2	7.47	5.52	4.19	3.29	2.71	2.58
40	118	109	96.4	82.5	66.7	52.8	40.7	31.5	24.9	19.7	14.7	11.0	8.24	6.19	4.71	3.63	2.89	2.58
50	57.0	53.3	48.5	42.8	36.7	30.6	25.7	22.1	19.2	16.7	14.1	10.9	8.48	6.55	5.05	3.87	3.05	2.58
60	26.4	25.3	24.0	22.6	21.3	19.8	18.2	16.6	15.1	13.7	12.4	10.4	8.36	6.65	5.22	4.04	3.20	2.58
70	17.0	16.6	16.2	15.7	15.1	14.4	13.6	12.8	12.0	11.3	10.6	9.59	7.98	6.53	5.25	4.18	3.30	2.58
80	12.1	11.9	11.8	11.5	11.3	11.1	10.7	10.3	9.95	9.55	9.14	8.66	7.43	6.28	5.23	4.26	3.38	2.58
90	9.73	9.61	9.49	9.38	9.26	9.14	8.90	8.65	8.41	8.16	7.92	7.68	6.83	5.98	5.13	4.28	3.43	2.58
100	7.86	7.76	7.67	7.60	7.55	7.49	7.32	7.17	7.03	6.90	6.79	6.66	6.15	5.58	4.95	4.24	3.45	2.58
110	6.65	6.54	6.44	6.35	6.28	6.21	6.10	5.98	5.85	5.74	5.72	5.67	5.45	5.14	4.71	4.15	3.45	2.58
120	7.11	6.98	6.80	6.55	6.26	6.14	6.01	5.83	5.61	5.39	5.23	4.98	4.81	4.70	4.45	4.04	3.42	2.58
130	10.0	9.85	9.53	9.11	8.60	8.07	7.49	6.89	6.34	5.87	5.29	4.76	4.49	4.29	4.19	3.90	3.37	2.58
140	13.9	13.6	13.1	12.5	11.7	10.9	9.92	8.92	7.94	6.74	5.49	4.68	4.24	4.05	3.94	3.75	3.31	2.58
150	17.0	16.8	16.3	15.6	14.7	13.7	12.4	11.1	8.88	6.91	5.46	4.51	4.00	3.81	3.70	3.60	3.24	2.58
160	17.6	17.6	17.5	17.1	16.5	15.6	13.2	10.6	8.22	6.33	4.96	4.09	3.66	3.54	3.52	3.45	3.16	2.58
170	16.1	16.4	16.8	16.2	14.6	12.7	10.5	8.41	6.50	4.99	3.94	3.41	3.21	3.26	3.34	3.30	3.06	2.58
180	13.8	12.8	12.0	11.1	9.86	8.32	6.70	5.20	3.95	3.08	2.63	2.56	2.70	2.97	3.16	3.15	2.95	2.58

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: