

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	1831.1 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
---	--

Beam Spread	At 10% of Imax	61.0V x 63.3H
	At 50% of Imax	44.3V x 44.9H
	At 90% of Imax	24.4V x 24.7H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	891.9 lumens per klm.
	To 50% of Imax	685.3 lumens per klm.
	To 90% of Imax	257.6 lumens per klm.

Upward LOR	2.4 %
Downward LOR	97.6 %

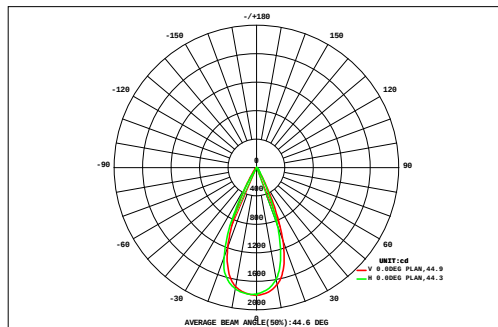
Luminaire Efficiency(Light Output Ratio)	100.0 %
--	---------

H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-24

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 60-60mm-3000K-45D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:45 DEG	DIM.:60MM	SERIAL No.:IES001930
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:93.30lm/W	
MODEL		Imax(cd)	1794
NOMINAL POWER(W)	10.5	AVAILABILITY(%)	89.2
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	873.5
NOMINAL FLUX(lm)	979.6	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	979.6
TEST VOLTAGE(V)	220	q @50%(H,V)	45,44DEG

		AREA FLUX DIAGRAM															UNIT:lm				F t	F a				
VERTICAL (DEG)	45	0.10	0.13	0.18	0.23	0.29	0.33	0.37	0.39	0.40	0.39	0.37	0.34	0.29	0.24	0.18	0.13	0.10	0.07	4.52	0.00					
	40	0.12	0.17	0.23	0.31	0.38	0.45	0.50	0.54	0.56	0.55	0.52	0.46	0.40	0.32	0.24	0.17	0.12	0.08	6.11	0.00					
	35	0.14	0.21	0.30	0.40	0.51	0.63	0.77	0.88	0.92	0.90	0.82	0.69	0.56	0.43	0.31	0.21	0.14	0.10	8.91	0.00					
	30	0.17	0.26	0.38	0.54	0.77	1.10	1.55	1.95	2.10	2.01	1.72	1.28	0.89	0.60	0.40	0.27	0.17	0.10	16.3	9.29					
	25	0.20	0.31	0.49	0.78	1.35	2.31	3.46	4.43	4.83	4.64	3.90	2.77	1.69	0.95	0.55	0.33	0.19	0.11	33.3	28.8					
	20	0.22	0.37	0.64	1.23	2.47	4.37	6.38	7.83	8.41	8.20	7.17	5.35	3.26	1.63	0.79	0.40	0.21	0.11	59.0	55.5					
	15	0.24	0.42	0.84	1.88	3.98	6.74	9.15	10.7	11.2	11.0	10.1	8.10	5.34	2.74	1.20	0.50	0.21	0.10	84.5	81.7					
	-15	0.25	0.48	1.06	2.61	5.47	8.62	11.0	12.3	12.7	12.6	11.8	10.1	7.40	4.20	1.77	0.63	0.22	0.09	103	101					
		0.25	0.51	1.23	3.16	6.46	9.68	11.9	13.0	13.4	13.3	12.7	11.4	8.91	5.38	2.27	0.74	0.20	0.07	114	112					
		0.23	0.50	1.29	3.39	6.86	10.0	12.0	13.1	13.5	13.5	13.0	11.8	9.45	5.79	2.44	0.74	0.18	0.05	118	116					
		0.19	0.42	1.18	3.22	6.61	9.81	11.8	12.8	13.3	13.3	12.8	11.6	9.03	5.33	2.17	0.60	0.14	0.04	114	112					
		0.14	0.30	0.91	2.62	5.64	8.82	10.9	12.1	12.7	12.7	12.1	10.5	7.63	4.21	1.56	0.38	0.08	0.03	103	102					
		0.09	0.18	0.56	1.71	3.94	6.71	9.10	10.6	11.3	11.2	10.3	8.25	5.44	2.62	0.82	0.18	0.04	0.02	83.1	81.2					
		0.05	0.09	0.24	0.80	2.03	4.01	6.11	7.60	8.32	8.14	7.01	5.07	2.83	1.11	0.29	0.07	0.02	0.01	53.8	51.7					
		0.03	0.03	0.09	0.25	0.69	1.55	2.71	3.74	4.26	4.06	3.16	1.90	0.84	0.29	0.07	0.02	0.01	0.01	23.7	20.8					
		0.01	0.01	0.03	0.06	0.14	0.32	0.62	0.92	1.05	0.95	0.67	0.36	0.13	0.04	0.02	0.01	0.01	0.01	5.35	1.18					
0.01		0.01	0.01	0.02	0.02	0.03	0.07	0.10	0.11	0.09	0.06	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.59	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	0.00	0.00	0.00	0.00	0.00	0.11	0.00							
-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)											10	15	20	25	30	35	40	45
F t	2.42	4.41	9.65	23.2	47.6	75.5	98.4	113	119	118	108	90.0	64.1	35.9	15.1	5.39	2.04	0.98	933	---						
F a	0.00	0.00	3.33	19.2	44.3	72.5	95.7	110	116	115	106	87.1	61.0	32.3	10.6	0.14	0.00	0.00	---	873						

one-half-peak spread: U:21.7,D:19.8 , L:22.8,R:22.3

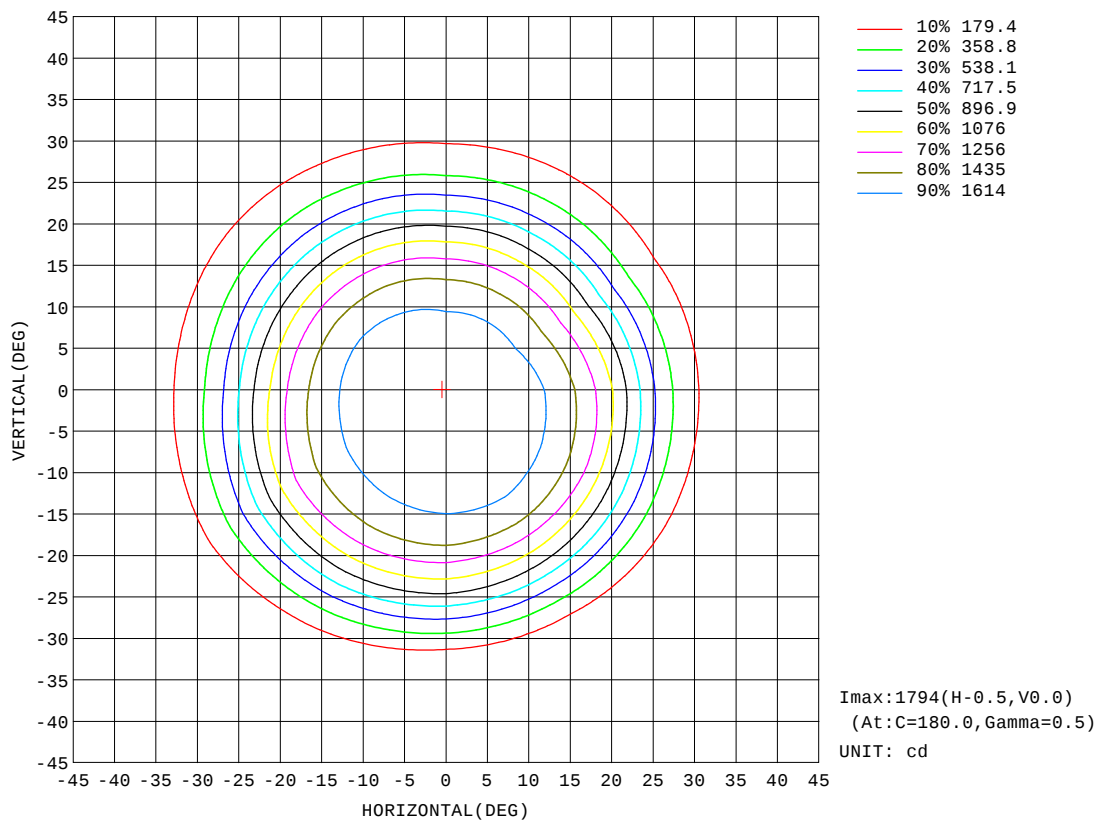
NEMA Beam Type: Type 4

H_(b) Range: -90 - 90DEG
 H_(b) Interval: 0.5DEG
 Test Speed: LOW
 Temperature: 25.3DEG
 Operators: Fan
 Test Date: 2023-10-24

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 60-60mm-3000K-45D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:45 DEG	DIM.:60MM	SERIAL No.:IES001930
MFR.:	SUR.:	Shielding Angle:

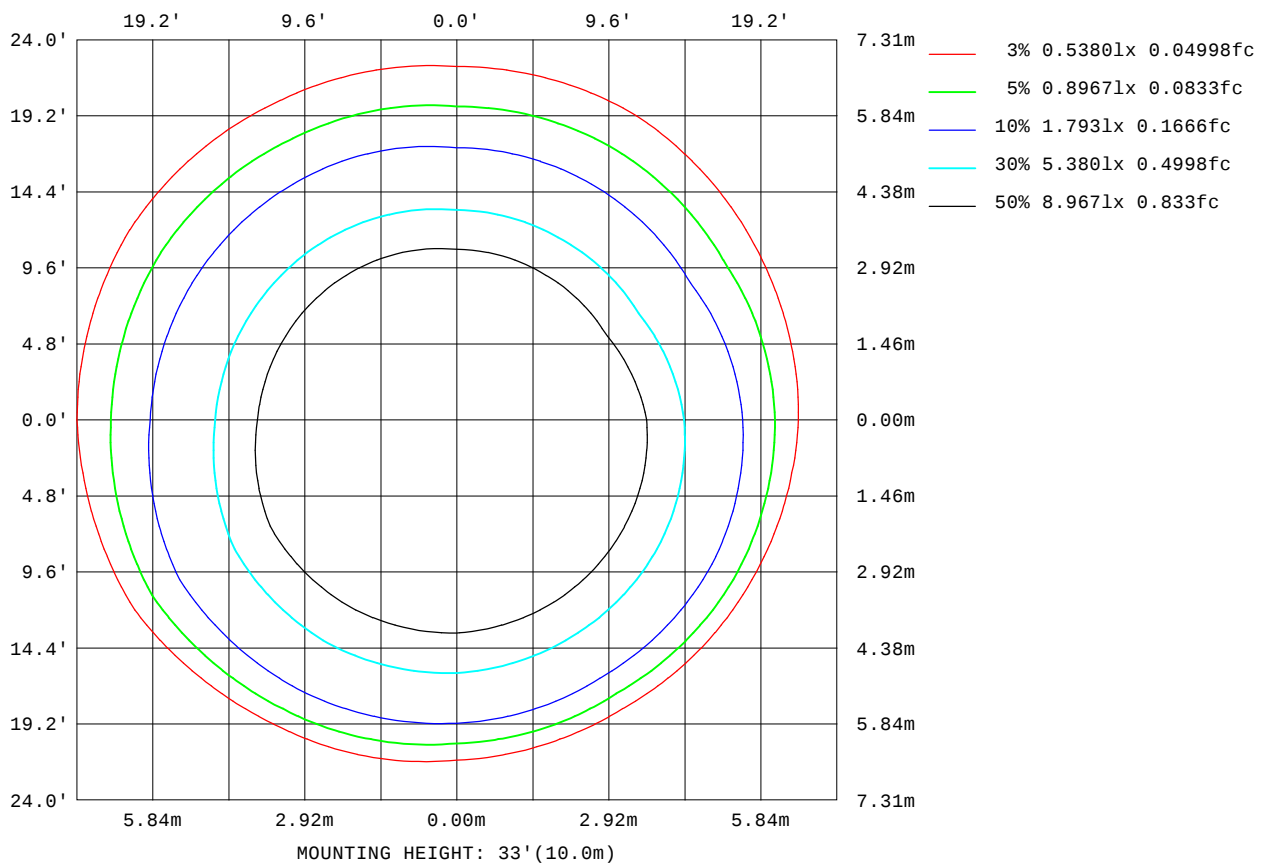


H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-24

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

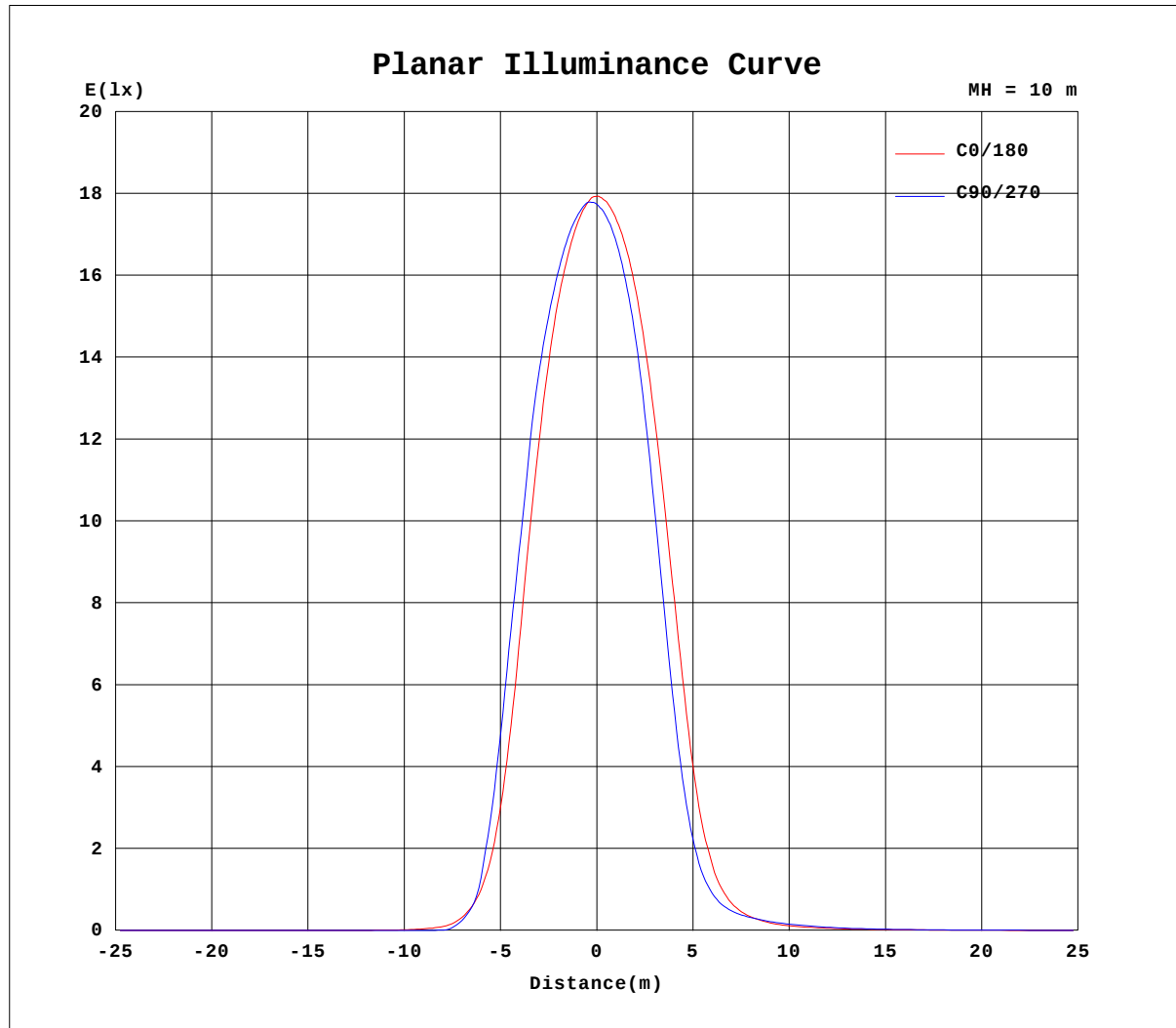
NAME:Nuit 60-60mm-3000K-45D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:45 DEG	DIM.:60MM	SERIAL No.:IES001930
MFR.:	SUR.:	Shielding Angle:



H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-10-24

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

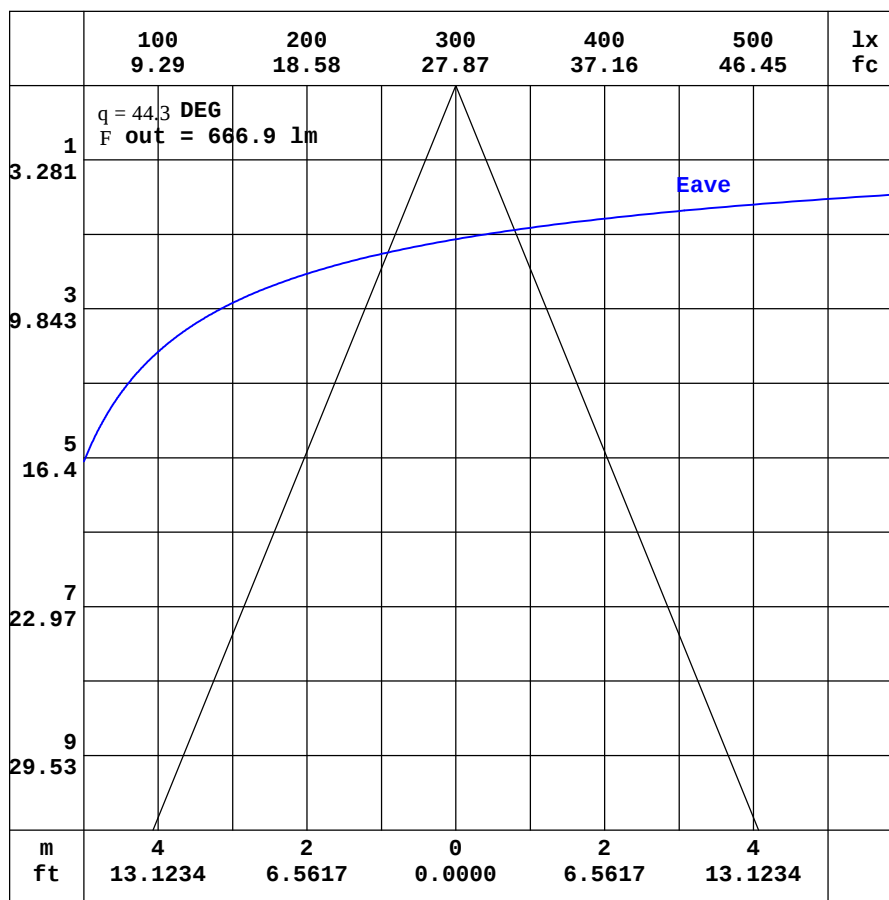


H_b Range: -90 - 90DEG
H_b Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-10-24

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 60-60mm-3000K-45D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:45 DEG	DIM.:60MM	SERIAL No.:IES001930
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:2023-10-24

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 60-60mm-3000K-45D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:45 DEG	DIM.:60MM	SERIAL No.:IES001930
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	3.78	3.11	2.84	2.65	2.67	2.93	3.49	4.25	5.14	6.09	6.98	7.74	8.31	8.59	8.56	8.27	7.98	7.78	7.77
-170	3.78	3.07	2.77	2.56	2.53	2.66	3.01	3.48	4.02	4.55	5.05	5.47	5.76	5.89	5.84	5.92	6.33	6.63	6.91
-160	3.78	3.05	2.72	2.48	2.39	2.39	2.51	2.69	2.86	2.99	3.07	3.09	3.16	3.88	4.58	5.20	5.68	5.99	6.18
-150	3.78	3.05	2.68	2.42	2.27	2.16	2.09	2.04	1.94	1.74	1.54	1.85	2.28	2.77	3.28	3.75	4.13	4.39	4.52
-140	3.78	3.06	2.65	2.38	2.18	2.02	1.85	1.64	1.38	1.26	1.29	1.39	1.55	1.76	1.99	2.23	2.44	2.59	2.66
-130	3.78	3.09	2.63	2.36	2.13	1.94	1.75	1.52	1.37	1.30	1.27	1.27	1.27	1.28	1.33	1.40	1.46	1.52	1.55
-120	3.78	3.15	2.63	2.34	2.11	1.89	1.69	1.56	1.53	1.49	1.44	1.41	1.37	1.34	1.32	1.30	1.30	1.30	1.30
-110	3.78	3.20	2.71	2.32	2.06	1.84	1.64	1.57	1.58	1.58	1.59	1.59	1.59	1.59	1.56	1.54	1.52	1.51	1.50
-100	3.78	3.27	2.81	2.41	2.04	1.73	1.46	1.47	1.49	1.51	1.52	1.54	1.55	1.57	1.59	1.61	1.62	1.63	1.64
-90	3.78	3.36	2.93	2.50	2.07	1.64	1.21	1.21	1.22	1.22	1.22	1.22	1.22	1.23	1.24	1.26	1.27	1.28	1.29
-80	3.78	3.45	3.07	2.63	2.15	1.60	1.01	0.93	0.88	0.86	0.83	0.79	0.78	0.77	0.76	0.76	0.76	0.77	0.78
-70	3.78	3.56	3.25	2.84	2.32	1.70	0.95	0.65	0.59	0.56	0.52	0.47	0.42	0.38	0.37	0.37	0.37	0.37	0.38
-60	3.78	3.69	3.48	3.14	2.65	2.00	1.25	0.61	0.60	0.56	0.49	0.41	0.32	0.26	0.29	0.29	0.28	0.25	0.23
-50	3.78	3.83	3.75	3.53	3.16	2.68	2.05	1.18	0.76	0.76	0.76	0.72	0.66	0.59	0.59	0.55	0.51	0.45	0.37
-40	3.78	3.97	4.06	4.03	3.91	3.69	3.29	2.62	1.62	1.13	1.17	1.22	1.45	1.56	1.26	1.85	2.22	2.31	1.69
-30	3.78	4.12	4.40	4.61	4.83	4.98	4.99	4.84	4.37	3.41	2.33	4.67	11.4	26.7	64.9	134	219	289	301
-20	3.78	4.26	4.74	5.25	5.85	6.46	7.14	7.84	8.98	10.8	14.7	30.8	105	278	576	908	1155	1292	1330
-10	3.78	4.40	5.08	5.88	6.88	8.05	9.52	11.6	15.4	22.0	38.9	93.9	268	646	1129	1451	1618	1697	1729
0	3.78	4.51	5.38	6.46	7.82	9.53	11.8	15.2	21.9	33.1	59.4	122	308	711	1187	1520	1699	1773	1793
10	3.78	4.53	5.42	6.50	7.86	9.54	11.8	15.5	22.3	34.2	55.7	100.0	213	483	882	1250	1485	1589	1594
20	3.78	4.54	5.40	6.44	7.72	9.25	11.3	14.5	20.1	30.1	45.0	68.4	107	188	343	547	744	859	865
30	3.78	4.51	5.33	6.29	7.42	8.76	10.4	12.7	16.6	22.8	32.9	45.5	59.4	76.2	96.4	122	151	170	169
40	3.78	4.47	5.22	6.06	7.01	8.11	9.36	10.8	13.0	16.4	21.1	27.6	35.6	43.7	50.5	55.5	59.1	61.2	61.2
50	3.78	4.40	5.06	5.77	6.55	7.40	8.34	9.36	10.5	11.8	13.8	16.4	19.5	22.9	26.0	28.4	30.3	31.2	31.2
60	3.78	4.32	4.88	5.45	6.06	6.70	7.37	8.06	8.72	9.41	10.1	10.9	11.7	12.5	13.2	13.9	14.3	14.6	14.5
70	3.78	4.22	4.67	5.12	5.58	6.04	6.50	6.92	7.33	7.74	8.13	8.52	8.89	9.13	9.31	9.44	9.53	9.57	9.57
80	3.78	4.11	4.45	4.78	5.11	5.44	5.77	6.01	6.25	6.47	6.69	6.91	7.11	7.20	7.27	7.32	7.36	7.39	7.40
90	3.78	4.00	4.22	4.44	4.66	4.88	5.10	5.24	5.39	5.53	5.67	5.81	5.95	5.97	5.99	6.00	6.02	6.04	6.05
100	3.78	3.88	3.98	4.09	4.20	4.31	4.43	4.48	4.53	4.58	4.65	4.72	4.81	4.78	4.76	4.74	4.73	4.74	4.75
110	3.78	3.76	3.74	3.73	3.77	3.76	3.70	3.63	3.58	3.58	3.61	3.68	3.75	3.74	3.70	3.68	3.68	3.71	3.75
120	3.78	3.64	3.50	3.47	3.37	3.21	3.01	2.89	2.91	2.96	3.03	3.16	3.24	3.29	3.36	3.45	3.54	3.61	3.64
130	3.78	3.52	3.34	3.22	3.02	2.83	2.71	2.69	2.90	3.16	3.45	3.79	4.14	4.47	4.76	5.01	5.21	5.34	5.40
140	3.78	3.41	3.20	3.01	2.80	2.69	2.74	3.01	3.42	3.92	4.47	5.01	5.54	6.03	6.44	6.81	7.09	7.28	7.38
150	3.78	3.31	3.08	2.85	2.71	2.70	2.98	3.47	4.08	4.78	5.49	6.20	6.88	7.48	7.99	8.40	8.67	8.84	8.93
160	3.78	3.23	2.98	2.75	2.68	2.81	3.24	3.87	4.65	5.48	6.34	7.14	7.82	8.34	8.71	8.90	8.99	8.99	9.09
170	3.78	3.16	2.90	2.69	2.67	2.90	3.42	4.15	5.02	5.95	6.85	7.64	8.23	8.57	8.63	8.54	8.29	8.13	8.27
180	3.78	3.11	2.84	2.65	2.67	2.93	3.49	4.25	5.14	6.09	6.98	7.74	8.31	8.59	8.56	8.27	7.98	7.78	7.80

H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-24

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 60-60mm-3000K-45D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:45 DEG	DIM.:60MM	SERIAL No.:IES001930
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	7.10	6.63	6.26	5.84	5.18	4.37	3.52	2.72	2.04	1.56	1.30	1.27	1.34	1.48	1.60	1.58	1.50	1.31
-170	6.63	6.43	6.13	5.63	4.96	4.18	3.36	2.58	1.95	1.52	1.30	1.28	1.35	1.49	1.59	1.58	1.50	1.31
-160	6.05	5.81	5.42	4.87	4.22	3.53	2.83	2.19	1.72	1.42	1.29	1.29	1.38	1.51	1.59	1.58	1.50	1.31
-150	4.46	4.28	3.97	3.54	3.05	2.55	2.09	1.73	1.46	1.31	1.28	1.31	1.42	1.54	1.59	1.57	1.48	1.31
-140	2.64	2.54	2.37	2.15	1.92	1.70	1.52	1.38	1.31	1.29	1.29	1.39	1.49	1.58	1.59	1.57	1.46	1.31
-130	1.54	1.50	1.45	1.39	1.34	1.30	1.30	1.29	1.30	1.33	1.40	1.49	1.57	1.59	1.58	1.54	1.44	1.31
-120	1.30	1.30	1.30	1.31	1.33	1.35	1.38	1.41	1.45	1.50	1.53	1.57	1.59	1.58	1.57	1.51	1.42	1.31
-110	1.51	1.52	1.53	1.55	1.58	1.59	1.59	1.59	1.58	1.59	1.58	1.58	1.58	1.56	1.51	1.45	1.38	1.31
-100	1.64	1.63	1.62	1.60	1.59	1.58	1.57	1.57	1.56	1.55	1.54	1.52	1.49	1.46	1.43	1.39	1.35	1.31
-90	1.29	1.29	1.28	1.28	1.28	1.28	1.29	1.29	1.30	1.31	1.32	1.33	1.32	1.32	1.32	1.32	1.31	1.31
-80	0.78	0.79	0.80	0.81	0.83	0.85	0.88	0.92	0.95	0.99	1.04	1.08	1.12	1.15	1.19	1.23	1.28	1.31
-70	0.38	0.38	0.39	0.40	0.43	0.46	0.51	0.56	0.62	0.69	0.76	0.84	0.92	0.99	1.07	1.15	1.23	1.31
-60	0.23	0.23	0.23	0.23	0.23	0.25	0.27	0.31	0.37	0.44	0.53	0.67	0.80	0.89	0.95	1.07	1.20	1.31
-50	0.38	0.37	0.36	0.36	0.36	0.38	0.38	0.38	0.36	0.30	0.41	0.59	0.73	0.85	0.91	1.00	1.16	1.31
-40	1.53	1.12	0.88	0.79	0.81	0.80	0.73	0.69	0.58	0.55	0.55	0.61	0.74	0.85	0.91	0.94	1.13	1.31
-30	245	149	69.7	26.7	6.88	2.48	1.35	1.09	1.04	0.93	0.87	0.80	0.82	0.89	0.93	0.93	1.10	1.31
-20	1248	1057	748	395	139	32.6	7.45	3.00	1.81	1.40	1.20	1.07	0.95	0.96	0.96	0.94	1.08	1.31
-10	1711	1610	1378	933	457	145	34.3	8.99	3.47	1.91	1.55	1.31	1.13	1.05	1.01	0.95	1.07	1.31
0	1763	1670	1467	1085	558	203	59.2	15.3	5.33	2.43	1.84	1.53	1.29	1.14	1.05	0.96	1.06	1.31
10	1543	1385	1075	683	327	135	53.2	23.5	11.7	6.66	4.42	3.23	2.43	1.88	1.51	1.22	1.17	1.31
20	801	634	419	234	127	72.5	42.8	24.6	14.7	9.24	6.33	4.61	3.39	2.54	1.92	1.45	1.28	1.31
30	158	134	106	80.9	60.5	43.9	31.1	21.7	14.6	10.1	7.40	5.50	4.10	3.05	2.25	1.65	1.39	1.31
40	59.2	55.2	49.8	43.3	34.8	26.8	20.3	15.5	12.4	10.0	7.73	5.91	4.49	3.37	2.49	1.81	1.49	1.31
50	29.7	27.5	24.6	21.5	18.4	15.4	13.1	11.3	9.96	8.83	7.50	5.91	4.59	3.52	2.64	1.98	1.56	1.31
60	14.1	13.4	12.7	11.8	11.1	10.4	9.59	8.84	8.10	7.40	6.71	5.60	4.49	3.52	2.70	2.09	1.64	1.31
70	9.40	9.19	8.93	8.65	8.33	7.97	7.54	7.09	6.64	6.19	5.74	5.13	4.23	3.43	2.74	2.16	1.69	1.31
80	7.26	7.10	6.93	6.76	6.57	6.37	6.09	5.81	5.52	5.22	4.91	4.56	3.90	3.28	2.71	2.19	1.73	1.31
90	5.92	5.79	5.65	5.52	5.38	5.25	5.03	4.81	4.59	4.37	4.15	3.93	3.49	3.06	2.62	2.18	1.75	1.31
100	4.62	4.50	4.38	4.28	4.20	4.11	3.94	3.78	3.64	3.50	3.38	3.25	3.03	2.78	2.49	2.15	1.75	1.31
110	3.60	3.47	3.35	3.25	3.16	3.11	3.09	3.06	3.01	2.94	2.84	2.71	2.57	2.48	2.33	2.08	1.75	1.31
120	3.64	3.59	3.53	3.44	3.29	3.13	2.99	2.85	2.78	2.72	2.65	2.52	2.40	2.27	2.16	2.01	1.74	1.31
130	5.39	5.30	5.15	4.93	4.67	4.36	4.01	3.67	3.33	3.02	2.71	2.41	2.27	2.16	2.04	1.93	1.70	1.31
140	7.35	7.23	7.01	6.70	6.29	5.83	5.31	4.77	4.22	3.55	2.86	2.39	2.14	2.05	1.96	1.85	1.67	1.31
150	8.91	8.81	8.61	8.25	7.78	7.22	6.57	5.87	4.70	3.65	2.85	2.32	2.02	1.93	1.87	1.78	1.64	1.31
160	9.02	9.07	9.04	8.91	8.60	8.15	6.90	5.56	4.33	3.32	2.58	2.10	1.85	1.78	1.78	1.72	1.60	1.31
170	8.09	8.23	8.53	8.30	7.53	6.60	5.52	4.40	3.40	2.59	2.03	1.74	1.61	1.63	1.69	1.65	1.55	1.31
180	7.10	6.63	6.26	5.84	5.18	4.37	3.52	2.72	2.04	1.56	1.30	1.27	1.34	1.48	1.60	1.58	1.50	1.31

H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-24

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: