

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	2439.0 cd per klm.
(Luminaire orientation as tested.)	-180.0 degrees vertical
	-90.0 degrees horizontal

Beam Spread	At 10% of Imax	360.0V x 180.0H
	At 50% of Imax	226.2V x 180.0H
	At 90% of Imax	62.5V x 180.0H

Beam Flux	Total	1243.3 lumens per klm.
	To 10% of Imax	672.4 lumens per klm.
	To 50% of Imax	261.6 lumens per klm.
	To 90% of Imax	0.0 lumens per klm.

Upward LOR	61.6 %
Downward LOR	62.7 %

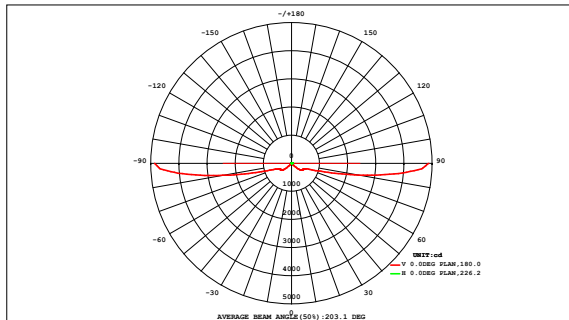
Luminaire Efficiency(Light Output Ratio)	124.4 %
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C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:25 January 2023

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.340m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 96GRF329WW/2BL	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F 110 x 300	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circle	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	96GRF329WW/2BL	Imax (cd)	4878
NOMINAL POWER(W)	30	AVAILABILITY (%)	75.1
RATED VOLTAGE (V)	230	Avai. FLUX(lm)	1502
NOMINAL FLUX(lm)	2000	LOR (%)	124.4
LAMPS INSIDE	1	TOTAL FLUX(lm)	2488
TEST VOLTAGE (V)	230	θ @50% (H,V)	180,226DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	9.00	9.45	6.56	7.25	2.93	0.22	0.10	0.05	0.02	0.02	0.07	0.14	0.32	3.00	7.11	6.28	8.55	8.53	69.6	41.9
90	9.00	9.46	6.54	7.23	2.86	0.23	0.10	0.05	0.02	0.02	0.07	0.14	0.32	2.99	7.15	6.32	8.66	8.59	69.8	42.6
80	9.03	9.43	6.51	7.21	2.77	0.23	0.10	0.05	0.02	0.02	0.07	0.14	0.32	2.98	7.16	6.35	8.77	8.67	69.8	42.8
70	9.04	9.38	6.47	7.18	2.69	0.24	0.10	0.05	0.02	0.02	0.07	0.14	0.31	2.95	7.17	6.37	8.88	8.74	69.8	42.9
60	9.04	9.35	6.44	7.15	2.62	0.24	0.09	0.04	0.02	0.02	0.07	0.14	0.31	2.91	7.17	6.40	8.99	8.81	69.8	42.9
50	9.04	9.30	6.42	7.12	2.56	0.24	0.09	0.04	0.01	0.02	0.07	0.14	0.30	2.85	7.14	6.40	9.10	8.88	69.7	42.5
40	9.05	9.25	6.39	7.10	2.52	0.25	0.09	0.04	0.01	0.02	0.07	0.13	0.29	2.86	7.12	6.40	9.19	8.96	69.7	42.6
30	9.06	9.23	6.38	7.09	2.51	0.25	0.09	0.04	0.01	0.02	0.07	0.13	0.29	2.83	7.12	6.41	9.29	9.06	69.9	42.8
20	9.06	9.28	6.38	7.10	2.54	0.26	0.09	0.04	0.01	0.02	0.07	0.13	0.29	2.81	7.13	6.45	9.57	9.18	70.4	43.4
10	9.06	9.41	6.38	7.10	2.55	0.27	0.09	0.04	0.01	0.02	0.06	0.13	0.29	2.80	7.15	6.49	9.78	9.20	70.8	44.1
0	9.06	9.34	6.40	7.12	2.56	0.28	0.09	0.04	0.01	0.02	0.06	0.13	0.30	2.76	7.09	6.45	9.62	9.13	70.4	43.4
-10	9.07	9.27	6.42	7.14	2.60	0.28	0.09	0.04	0.01	0.02	0.06	0.13	0.30	2.66	7.02	6.41	9.53	9.10	70.2	43.3
-20	9.06	9.19	6.42	7.17	2.65	0.28	0.09	0.04	0.01	0.02	0.06	0.12	0.31	2.62	6.98	6.36	9.45	9.07	69.9	43.5
-30	9.02	9.12	6.41	7.19	2.69	0.28	0.10	0.04	0.01	0.02	0.06	0.12	0.31	2.57	6.95	6.31	9.37	9.04	69.6	42.3
-40	8.98	9.05	6.40	7.21	2.70	0.27	0.10	0.04	0.01	0.02	0.06	0.12	0.31	2.52	6.91	6.25	9.28	8.99	69.2	41.8
-50	8.93	8.97	6.41	7.24	2.72	0.26	0.10	0.04	0.01	0.02	0.05	0.12	0.32	2.48	6.87	6.21	9.20	8.95	68.9	41.5
-60	8.87	8.90	6.41	7.26	2.76	0.25	0.10	0.05	0.02	0.01	0.05	0.12	0.32	2.48	6.83	6.18	9.14	8.93	68.7	41.3
-70	8.82	8.84	6.41	7.28	2.79	0.23	0.10	0.05	0.02	0.01	0.05	0.12	0.32	2.46	6.81	6.17	9.09	8.93	68.5	41.1
-80	8.82	8.84	6.41	7.28	2.79	0.23	0.10	0.05	0.02	0.01	0.05	0.12	0.32	2.46	6.81	6.17	9.09	8.93	68.5	41.1
-90	8.82	8.84	6.41	7.28	2.79	0.23	0.10	0.05	0.02	0.01	0.05	0.12	0.32	2.46	6.81	6.17	9.09	8.93	68.5	41.1
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	162	166	116	129	48.0	4.56	1.71	0.77	0.26	0.35	1.16	2.35	5.53	49.5	127	114	165	161	1255	---
Φ a	162	166	59.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.7	165	161	---	767

one-half-peak spread: U:1.1,D:16.1 , L:9.9,R:169.9

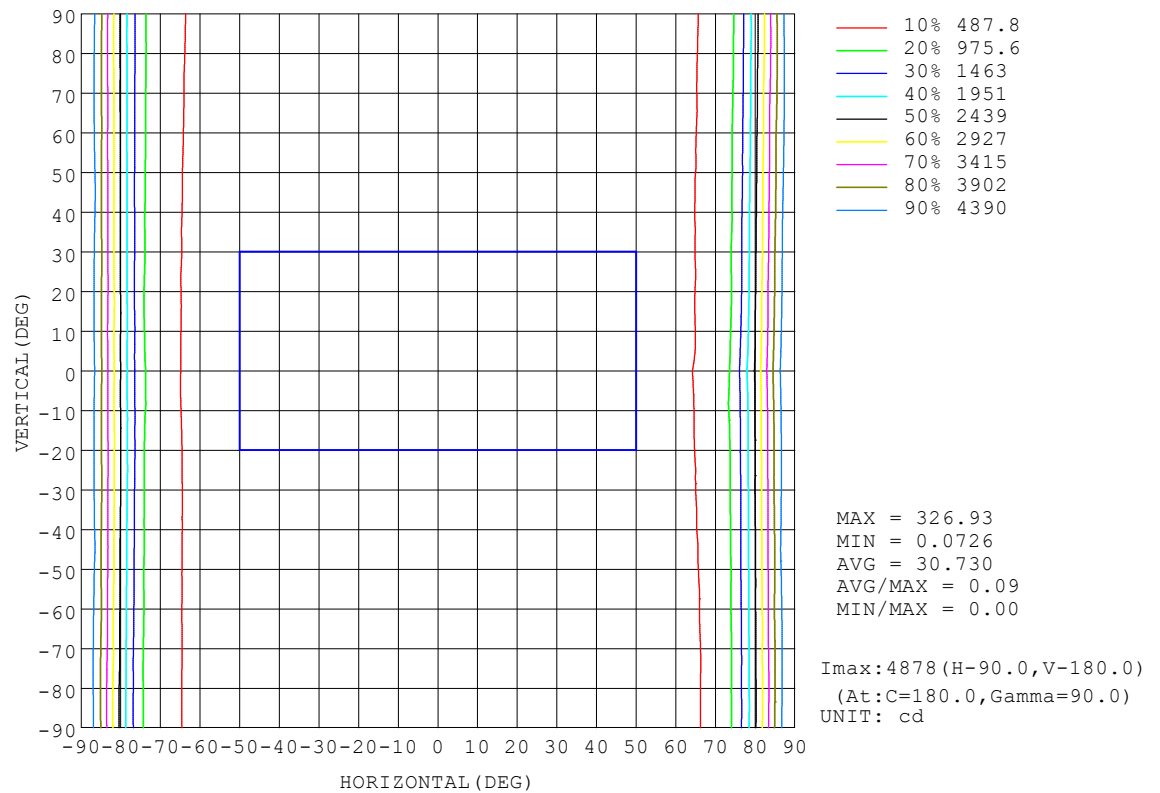
NEMA Beam Type: Type 7

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:25 January 2023

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.340m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: 96GRF329WW/2BL	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F 110 x 300	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circle	Shielding Angle:

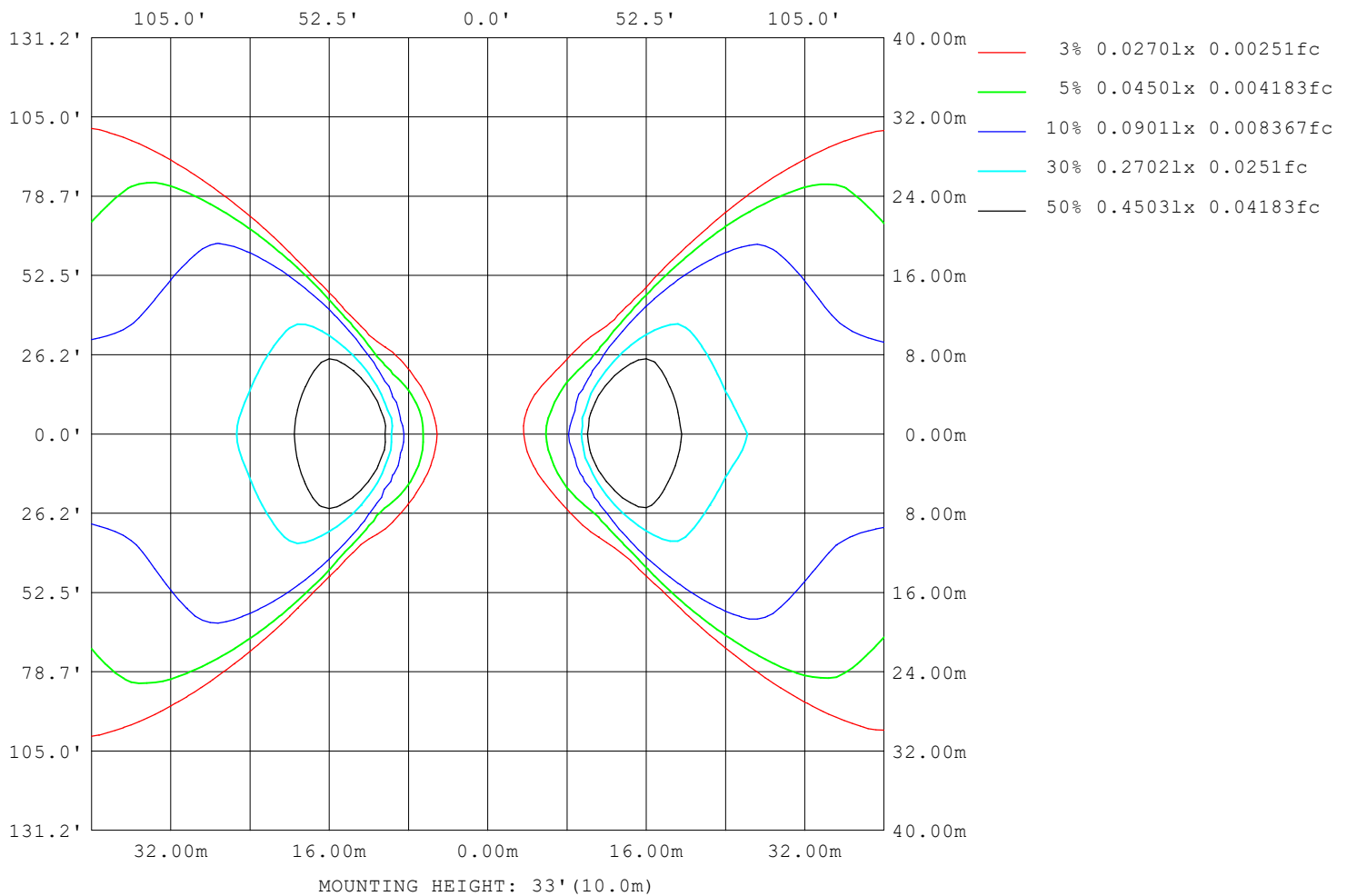


C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:25 January 2023

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.340m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

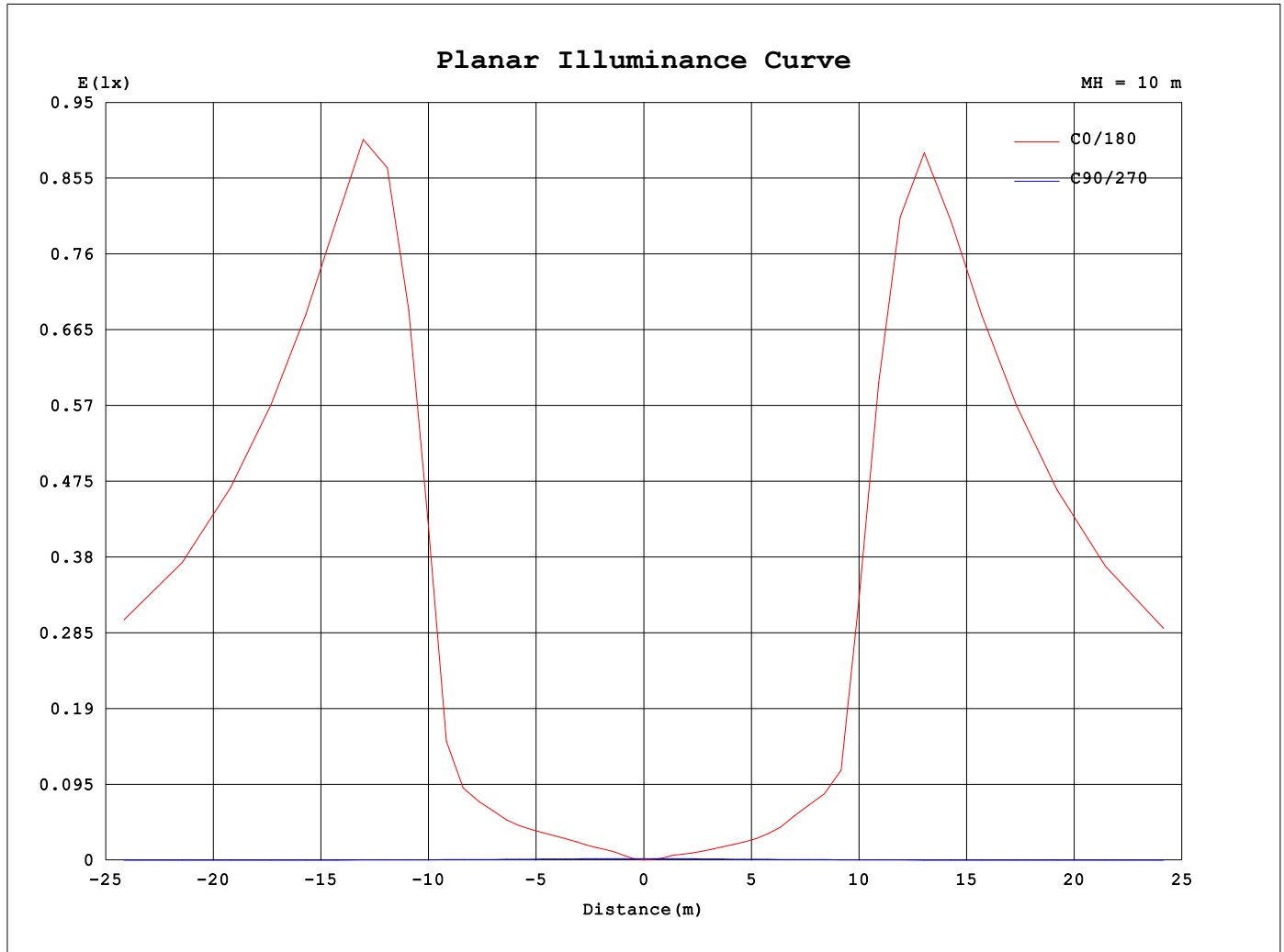
NAME: 96GRF329WW/2BL	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F 110 x 300	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circle	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 25 January 2023

γ Range: 0 - 180DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.340m [K=1.0000]
 Remarks:

Planar Illuminance Curve

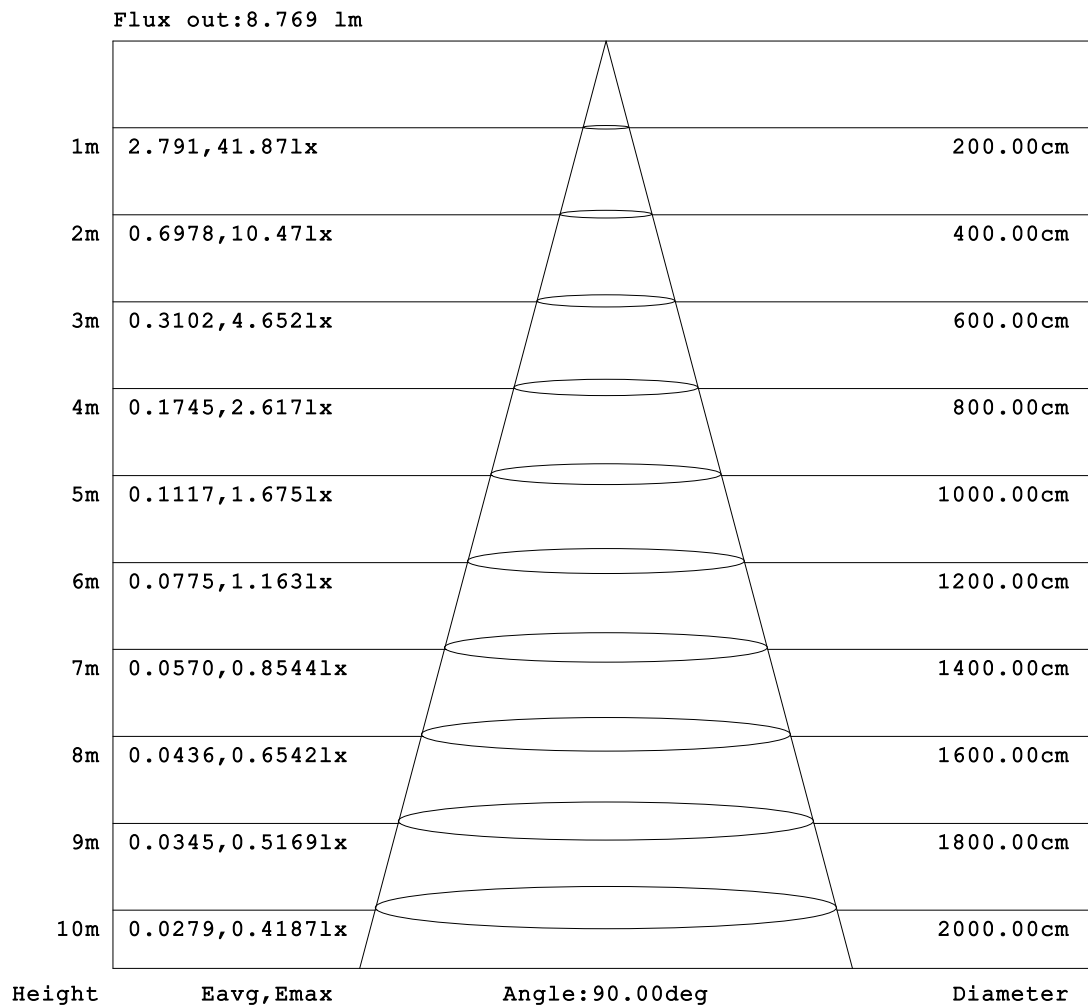


C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 25 January 2023

γ Range: 0 - 180DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.340m [K=1.0000]
 Remarks:

AAI Figure

NAME: 96GRF329WW/2BL	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F 110 x 300	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circle	Shielding Angle:



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

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 25 January 2023

γ Range: 0 - 180DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.340m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 96GRF329WW/2BL	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F 110 x 300	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circle	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	4878	3854	2316	1100	601	500	465	436	357	158	25.5	15.0	7.81	4.75	3.07	1.92	1.12	0.51	0.09
-170	4878	3796	2275	1085	597	496	462	432	346	143	24.1	13.0	7.00	4.42	2.89	1.79	1.15	0.46	0.09
-160	4878	3778	2255	1082	599	494	460	431	349	139	21.5	11.3	6.21	4.06	2.76	1.76	1.25	0.50	0.09
-150	4878	3797	2251	1083	589	493	459	430	348	134	19.3	9.89	5.64	3.87	2.75	1.83	1.40	0.50	0.09
-140	4878	3769	2250	1078	592	492	458	430	346	132	17.7	8.90	5.24	3.79	2.76	1.92	1.48	0.48	0.09
-130	4878	3774	2258	1088	597	492	459	431	346	127	16.5	8.26	5.05	3.79	2.79	2.00	1.50	0.51	0.10
-120	4878	3813	2270	1096	597	493	459	431	339	124	16.3	8.03	5.02	3.80	2.76	1.93	1.49	0.51	0.11
-110	4878	3802	2262	1097	608	493	459	431	337	121	15.7	7.93	5.04	3.81	2.75	1.88	1.45	0.50	0.11
-100	4878	3826	2269	1079	600	492	460	432	332	118	16.3	8.08	5.12	3.82	2.71	1.80	1.37	0.47	0.12
-90	4878	3888	2304	1068	592	491	460	432	331	115	15.3	8.49	5.19	3.74	2.61	1.70	1.25	0.45	0.13
-80	4878	3871	2315	1081	594	491	459	431	324	115	16.9	9.13	5.30	3.66	2.50	1.59	1.14	0.43	0.14
-70	4878	3891	2343	1105	599	492	460	429	319	114	17.0	9.84	5.41	3.56	2.40	1.51	1.01	0.41	0.15
-60	4878	3944	2376	1106	589	491	459	429	316	114	17.8	10.4	5.45	3.46	2.30	1.44	0.96	0.41	0.16
-50	4878	3921	2376	1119	598	492	459	428	313	110	18.7	10.8	5.48	3.36	2.18	1.36	0.92	0.43	0.18
-40	4878	3929	2400	1133	599	492	459	427	309	110	19.3	11.0	5.48	3.28	2.10	1.32	0.85	0.41	0.19
-30	4878	3966	2438	1131	601	492	458	427	308	106	20.2	11.1	5.47	3.21	2.04	1.25	0.81	0.38	0.20
-20	4878	3935	2426	1163	604	491	457	426	307	103	19.8	11.0	5.38	3.15	1.99	1.21	0.79	0.37	0.20
-10	4878	3934	2420	1138	605	490	456	424	304	104	19.7	10.6	5.25	3.09	1.96	1.20	0.71	0.33	0.21
0	4878	3969	2428	1111	589	489	456	425	304	92.6	18.6	10.2	5.11	3.11	2.02	1.25	0.78	0.29	0.11
10	4878	3933	2420	1131	598	490	455	422	305	111	18.5	10.0	5.09	3.05	1.94	1.16	0.72	0.31	0.20
20	4878	3934	2413	1141	608	490	453	420	309	97.7	17.6	9.80	5.02	3.03	1.92	1.16	0.74	0.40	0.19
30	4878	3969	2410	1154	606	491	453	420	314	97.5	17.0	9.53	5.02	3.08	1.98	1.23	0.85	0.43	0.18
40	4878	3935	2408	1151	615	493	453	420	318	102	16.3	9.40	5.07	3.20	2.09	1.31	0.91	0.43	0.17
50	4878	3932	2412	1165	622	494	454	421	326	106	15.8	9.16	5.16	3.34	2.24	1.44	0.96	0.47	0.16
60	4878	3962	2416	1173	625	497	455	422	328	111	16.1	9.03	5.22	3.50	2.37	1.55	1.05	0.49	0.15
70	4878	3931	2387	1187	640	499	456	423	334	116	16.0	8.75	5.21	3.61	2.51	1.66	1.15	0.51	0.13
80	4878	3936	2374	1179	635	501	457	424	335	119	16.2	8.44	5.16	3.68	2.60	1.72	1.22	0.50	0.12
90	4878	3980	2385	1173	628	502	458	425	345	124	16.1	8.35	5.10	3.77	2.70	1.83	1.32	0.49	0.12
100	4878	3923	2360	1169	624	502	459	426	342	131	18.1	8.67	5.19	3.83	2.78	1.92	1.39	0.49	0.11
110	4878	3901	2355	1161	620	502	460	427	346	137	18.9	9.04	5.26	3.91	2.87	1.98	1.39	0.51	0.10
120	4878	3910	2357	1133	602	500	460	429	347	143	20.2	9.56	5.41	3.97	2.91	2.01	1.44	0.54	0.10
130	4878	3862	2330	1125	601	499	460	430	351	145	20.4	10.1	5.58	3.98	2.89	1.94	1.37	0.54	0.09
140	4878	3846	2324	1125	594	498	461	431	350	147	22.2	11.0	5.89	4.01	2.86	1.88	1.30	0.50	0.09
150	4878	3860	2338	1112	597	497	461	432	349	152	24.8	12.1	6.46	4.15	2.86	1.83	1.21	0.49	0.09
160	4878	3820	2304	1129	605	498	462	432	350	152	26.3	13.6	7.12	4.37	2.89	1.82	1.13	0.48	0.09
170	4878	3818	2291	1101	609	500	464	434	350	154	28.4	15.3	7.87	4.78	3.11	1.93	1.09	0.51	0.09
180	4878	3854	2316	1100	601	500	465	436	357	158	25.5	15.0	7.81	4.75	3.07	1.92	1.12	0.51	0.09

C Range: 0 - 360DEG

C Interval: 2.5DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:25 January 2023

γ Range: 0 - 180DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.340m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 96GRF329WW/2BL	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F 110 x 300	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circle	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	0.43	1.52	2.23	3.39	4.73	6.26	9.61	16.9	104	313	405	435	471	580	1026	2191	3751	4874	
-170	0.40	1.37	2.13	3.30	4.65	6.33	9.94	17.9	118	304	401	432	470	582	1048	2204	3740	4874	
-160	0.42	1.34	2.06	3.20	4.56	6.30	10.0	17.4	103	301	398	430	469	587	1052	2226	3769	4874	
-150	0.42	1.28	2.00	3.12	4.46	6.29	10.1	17.5	101	298	398	430	469	580	1060	2252	3831	4874	
-140	0.40	1.22	1.93	3.04	4.38	6.30	10.4	17.4	101	293	397	429	470	582	1061	2275	3811	4874	
-130	0.42	1.15	1.91	2.97	4.33	6.37	10.8	18.0	97.8	293	398	430	470	583	1079	2307	3823	4874	
-120	0.41	1.10	1.83	2.88	4.28	6.47	11.3	18.6	98.1	291	399	431	471	582	1094	2331	3866	4874	
-110	0.40	1.07	1.81	2.85	4.26	6.60	11.7	19.4	97.3	293	400	432	472	592	1113	2331	3852	4874	
-100	0.41	1.05	1.81	2.84	4.25	6.67	12.0	20.5	94.0	293	402	433	472	587	1109	2342	3873	4874	
-90	0.40	1.03	1.77	2.80	4.18	6.63	12.3	20.4	93.7	298	404	435	472	584	1111	2374	3931	4874	
-80	0.41	1.04	1.77	2.78	4.17	6.66	12.3	21.2	95.1	297	405	436	473	589	1127	2362	3895	4874	
-70	0.42	1.07	1.79	2.82	4.23	6.70	12.4	21.0	96.1	301	404	437	474	598	1147	2374	3898	4874	
-60	0.46	1.11	1.84	2.87	4.27	6.73	12.4	21.1	98.6	303	407	439	477	590	1148	2400	3938	4874	
-50	0.50	1.15	1.86	2.89	4.31	6.71	12.2	20.8	99.5	308	409	441	480	605	1161	2396	3920	4874	
-40	0.53	1.19	1.92	2.94	4.37	6.76	12.1	20.8	102	310	411	443	484	614	1175	2417	3932	4874	
-30	0.54	1.27	1.96	3.02	4.45	6.81	11.9	20.9	106	311	413	445	488	624	1177	2447	3972	4874	
-20	0.56	1.32	2.02	3.09	4.49	6.73	11.6	20.7	110	314	416	449	491	633	1205	2435	3963	4874	
-10	0.54	1.33	2.06	3.14	4.54	6.66	11.3	20.6	117	317	420	453	493	636	1184	2442	3989	4874	
0	0.56	1.43	2.15	3.26	4.62	6.65	11.3	20.2	118	327	425	457	494	628	1190	2485	4054	4874	
10	0.54	1.45	2.20	3.34	4.72	6.73	11.1	20.3	128	317	421	452	489	618	1153	2423	3970	4874	
20	0.63	1.53	2.25	3.38	4.74	6.71	11.3	20.4	126	319	420	451	489	620	1143	2388	3922	4874	
30	0.66	1.61	2.31	3.43	4.79	6.80	11.5	20.3	121	320	421	452	490	610	1133	2370	3905	4874	
40	0.66	1.62	2.34	3.50	4.87	6.93	11.8	20.7	124	320	422	453	490	609	1109	2344	3847	4874	
50	0.66	1.62	2.40	3.56	4.95	7.05	12.2	21.1	127	324	423	453	488	604	1102	2317	3821	4874	
60	0.67	1.60	2.39	3.59	5.02	7.15	12.3	21.9	128	325	421	452	486	597	1090	2298	3826	4874	
70	0.68	1.62	2.43	3.66	5.10	7.24	12.5	22.2	130	328	420	451	485	600	1079	2254	3764	4874	
80	0.66	1.65	2.47	3.71	5.15	7.27	12.5	22.8	129	328	419	449	482	589	1050	2225	3739	4874	
90	0.63	1.61	2.44	3.68	5.13	7.17	12.4	21.5	128	332	418	447	479	579	1026	2221	3753	4874	
100	0.60	1.60	2.45	3.70	5.16	7.20	12.2	22.5	128	330	416	444	478	578	1021	2178	3683	4874	
110	0.58	1.57	2.43	3.70	5.16	7.11	12.0	21.7	128	333	414	443	476	578	1025	2150	3653	4874	
120	0.55	1.52	2.40	3.67	5.10	6.96	11.7	21.1	127	331	412	441	475	569	1013	2138	3658	4874	
130	0.55	1.53	2.38	3.64	5.06	6.84	11.3	20.1	123	333	410	440	475	576	1017	2136	3628	4874	
140	0.53	1.54	2.38	3.63	5.03	6.78	11.0	19.2	123	328	408	439	475	577	1024	2147	3628	4874	
150	0.48	1.51	2.35	3.57	4.96	6.68	10.7	19.0	119	324	406	437	475	581	1030	2186	3656	4874	
160	0.45	1.53	2.30	3.50	4.87	6.55	10.3	18.3	115	319	404	435	473	586	1052	2166	3652	4874	
170	0.41	1.43	2.27	3.44	4.78	6.42	10.1	18.2	114	312	403	433	470	582	1031	2159	3682	4874	
180	0.43	1.52	2.23	3.39	4.73	6.26	9.61	16.9	104	313	405	435	471	580	1026	2191	3751	4874	

C Range: 0 - 360DEG

C Interval: 2.5DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:25 January 2023

γ Range: 0 - 180DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.340m [K=1.0000]

Remarks: