

# Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	5548.9 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	42.9V x 43.0H
	At 50% of Imax	17.5V x 17.5H
	At 90% of Imax	6.4V x 6.8H

Beam Flux	Total	1088.7 lumens per klm.
	To 10% of Imax	692.3 lumens per klm.
	To 50% of Imax	302.6 lumens per klm.
	To 90% of Imax	52.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	108.9 %

Luminaire Efficiency (Light Output Ratio)	108.3 %
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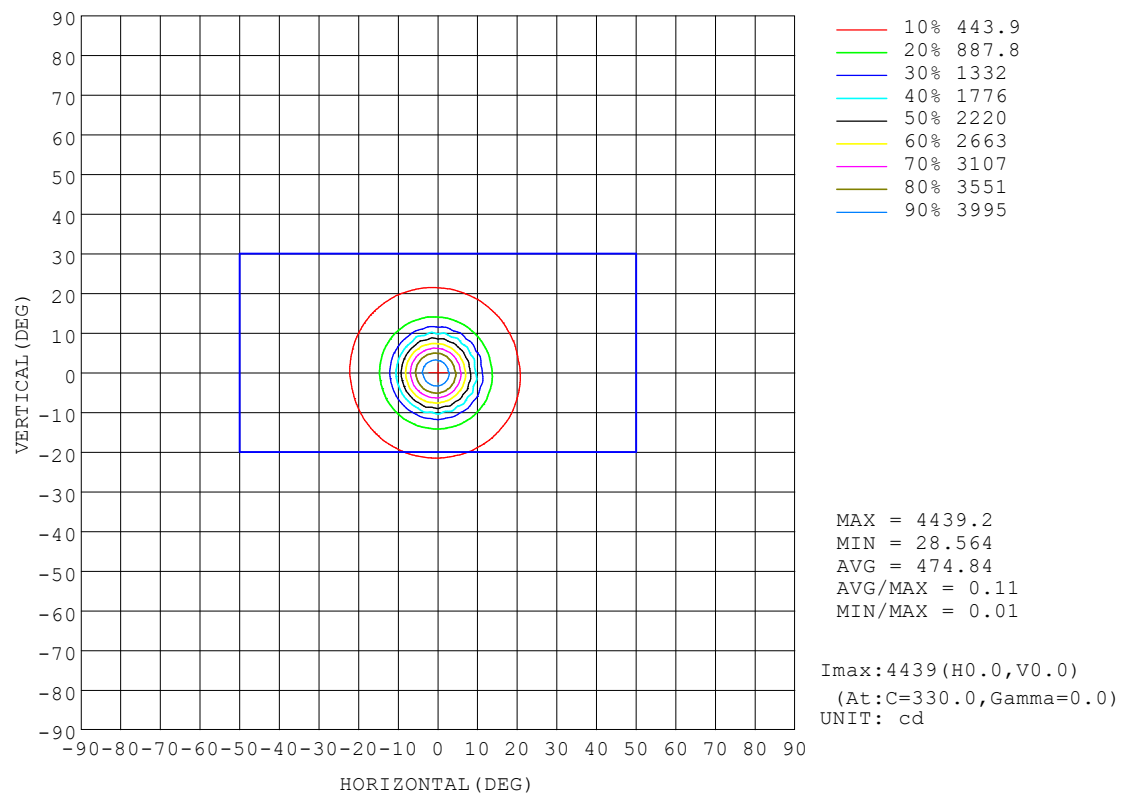
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 01 September 2022

γ Range: 0 - 90DEG  
γ Interval: 2.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 6.265m [K=1.0000]  
Remarks:

Remarks:

# ISOCANDELA DIAGRAM

NAME: 96GRF1/91524	TYPE: 96GRF1/91524	WEIGHT: 1
SPEC.:	DIM.: F 150 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: 9 Circle	Shielding Angle:

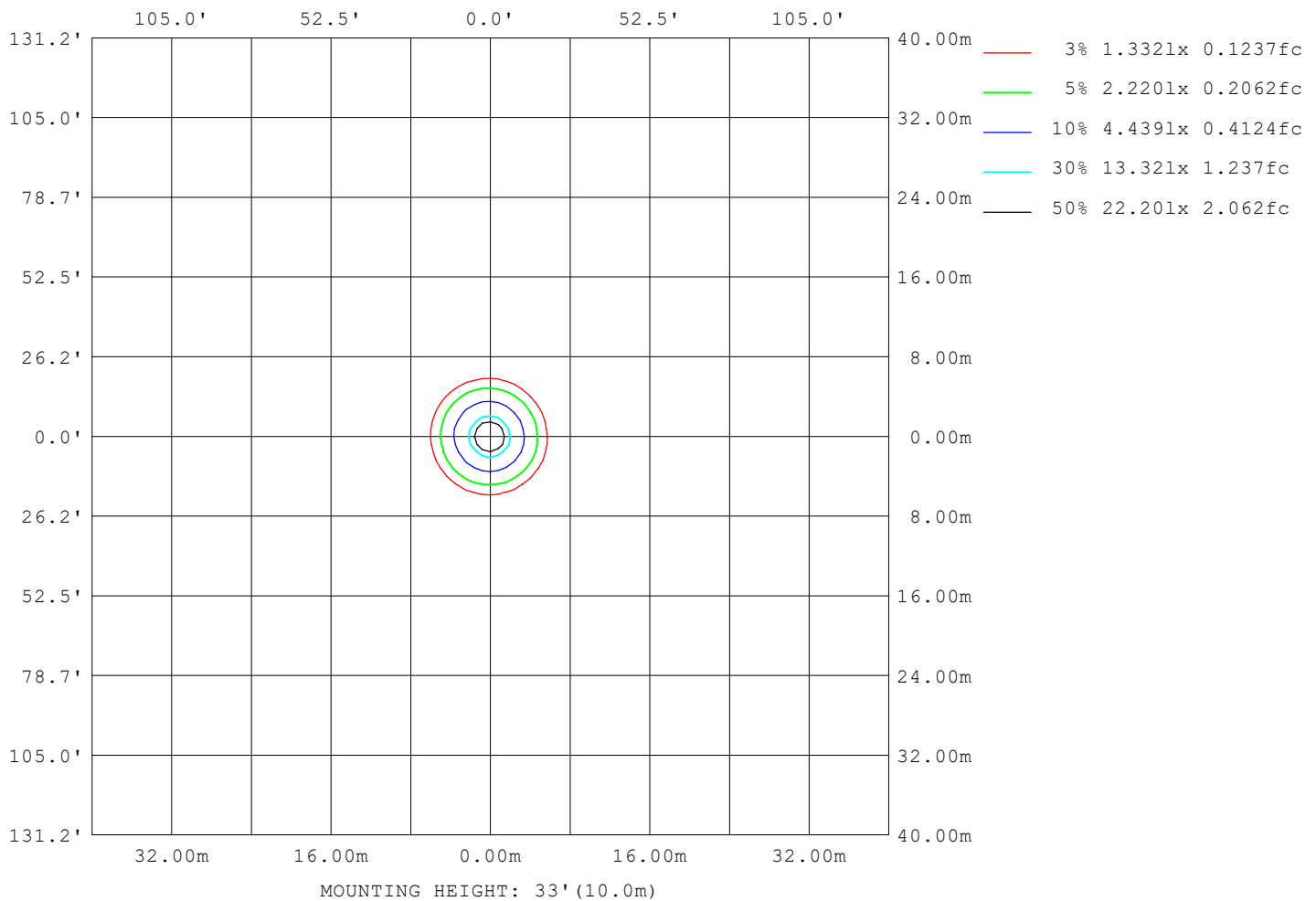


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 01 September 2022

γ Range: 0 - 90DEG  
γ Interval: 2.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 6.265m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

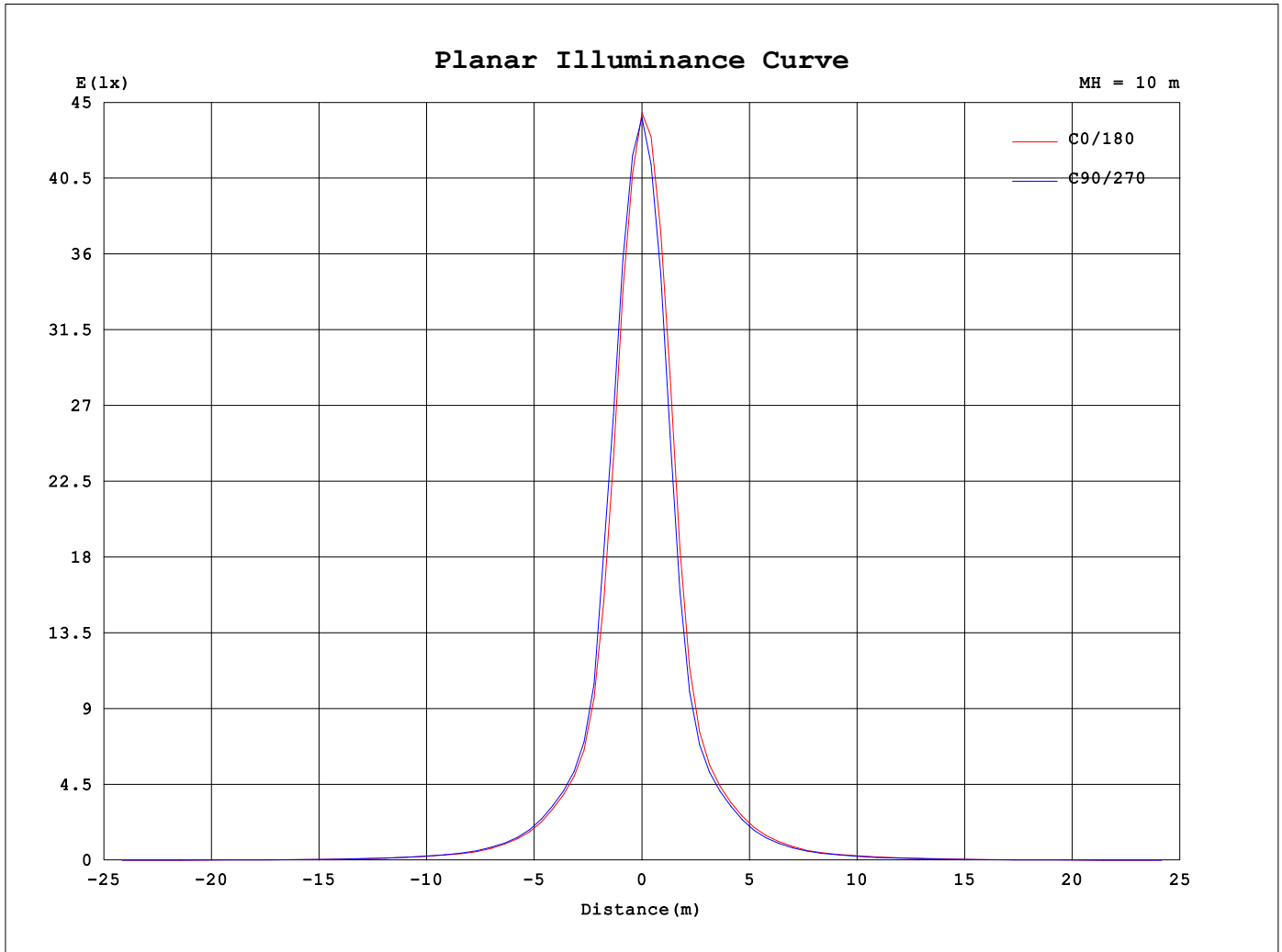
NAME: 96GRF1/91524	TYPE: 96GRF1/91524	WEIGHT: 1
SPEC.:	DIM.: F 150 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: 9 Circle	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
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γ Range: 0 - 90DEG  
γ Interval: 2.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 6.265m [K=1.0000]  
Remarks:

# Planar Illuminance Curve

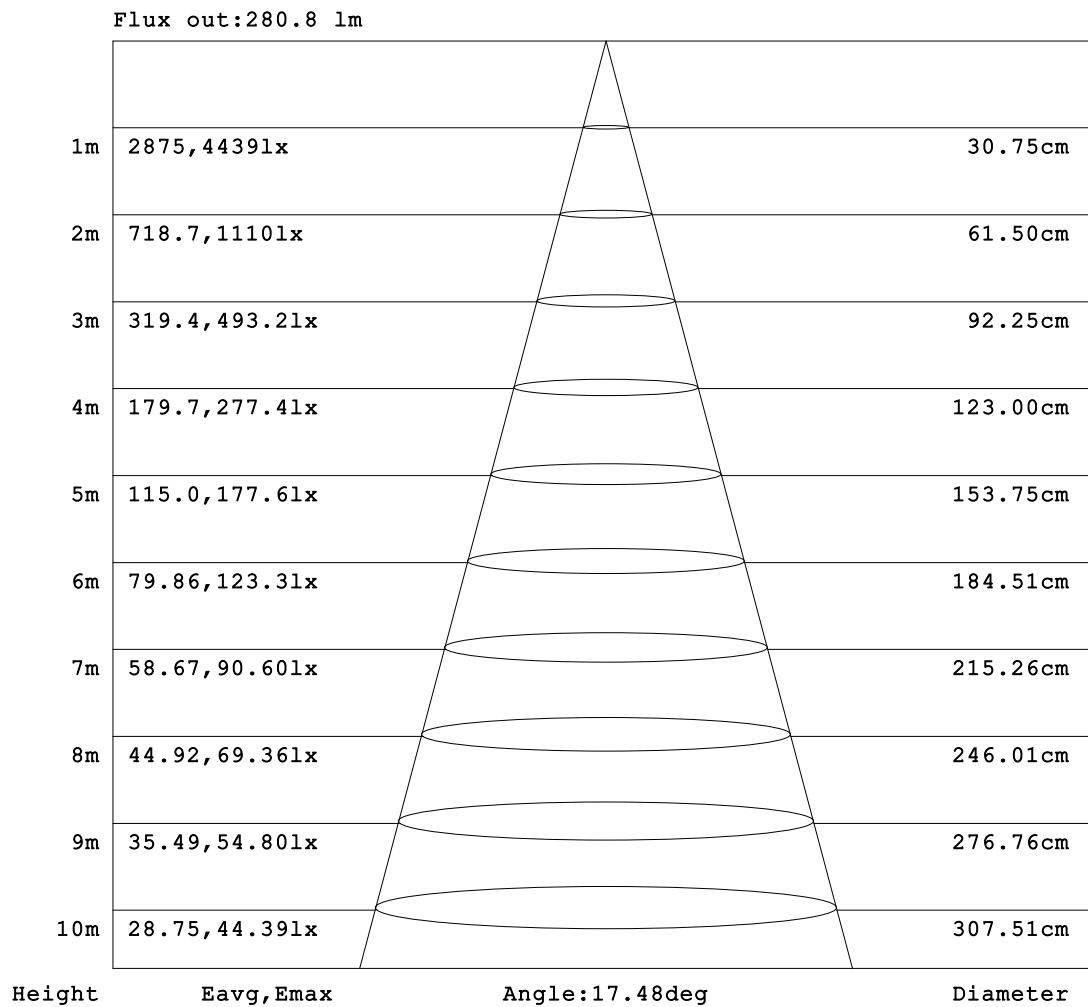


C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 01 September 2022

γ Range: 0 - 90DEG  
 γ Interval: 2.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
 Humidity: 65.0%  
 Test Distance: 6.265m [K=1.0000]  
 Remarks:

### AAI Figure

NAME: 96GRF1/91524	TYPE: 96GRF1/91524	WEIGHT: 1
SPEC.:	DIM.: F 150 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: 9 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: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:01 September 2022

γ Range: 0 - 90DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.265m [K=1.0000]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 96GRF1/91524	TYPE: 96GRF1/91524	WEIGHT: 1
SPEC.:	DIM.: F 150 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: 9 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
-90	0.10	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
-85	0.10	0.11	0.12	0.14	0.16	0.17	0.17	0.20	0.23	0.24	0.25	0.27	0.29	0.26	0.22	0.21	0.20	0.25	0.29
-80	0.10	0.12	0.15	0.19	0.26	0.31	0.36	0.48	0.59	0.70	0.83	1.00	1.15	1.28	1.39	1.46	1.51	1.59	1.64
-75	0.10	0.14	0.18	0.28	0.39	0.58	0.77	1.13	1.45	1.86	2.27	2.63	3.05	3.55	4.05	4.40	4.65	4.83	4.93
-70	0.10	0.15	0.24	0.38	0.67	1.09	1.64	2.33	3.00	3.80	4.56	5.49	6.34	7.34	8.38	9.05	9.48	9.79	9.93
-65	0.10	0.17	0.30	0.61	1.11	1.88	2.86	3.98	5.21	6.51	8.00	9.40	10.9	12.3	13.7	14.9	15.8	16.2	16.3
-60	0.10	0.18	0.36	0.84	1.68	2.89	4.37	6.11	8.01	10.0	12.2	14.3	16.2	17.9	20.0	21.7	22.9	23.6	23.8
-55	0.10	0.21	0.51	1.23	2.44	4.14	6.26	8.66	11.3	14.2	17.0	19.6	22.2	25.4	28.8	32.3	34.2	35.0	34.8
-50	0.10	0.23	0.66	1.59	3.24	5.57	8.35	11.4	15.0	18.6	22.1	26.6	32.3	38.3	43.8	48.0	49.7	50.0	49.2
-45	0.10	0.25	0.80	2.04	4.28	7.17	10.5	14.4	18.8	23.2	29.0	36.8	45.3	53.0	59.6	64.9	67.7	69.5	69.8
-40	0.10	0.27	0.95	2.54	5.31	8.79	12.6	17.6	22.7	29.2	38.1	48.3	58.2	67.1	75.2	83.1	90.3	94.6	96.2
-35	0.10	0.29	1.13	2.98	6.42	10.3	15.0	20.7	27.3	36.5	47.6	59.2	70.6	83.3	96.1	113	131	140	142
-30	0.10	0.31	1.29	3.50	7.43	11.8	17.3	23.8	32.5	44.1	56.2	69.6	85.7	107	137	166	191	206	211
-25	0.10	0.32	1.43	4.02	8.35	13.1	19.4	27.3	37.8	50.9	64.9	82.8	107	146	192	239	286	319	329
-20	0.10	0.34	1.54	4.46	9.18	14.4	21.4	30.5	43.3	57.6	73.9	96.9	137	192	261	345	423	480	498
-15	0.10	0.35	1.63	4.80	9.87	15.6	23.3	33.8	48.3	64.2	82.4	113	168	244	347	468	596	733	782
-10	0.10	0.35	1.70	5.05	10.4	16.6	24.7	36.3	52.5	69.3	90.3	131	197	293	431	605	937	1537	1920
-5	0.10	0.36	1.74	5.20	10.8	17.4	25.6	38.2	55.4	72.4	95.2	144	217	330	495	761	1574	2993	3607
0	0.10	0.36	1.75	5.25	11.0	17.8	26.1	39.3	56.9	74.1	97.2	152	226	352	528	847	1942	3775	4439
5	0.10	0.36	1.74	5.18	10.9	17.6	25.8	38.6	56.0	73.3	95.9	147	219	338	505	786	1564	2958	3521
10	0.10	0.35	1.70	5.01	10.5	17.1	25.0	37.0	53.8	70.9	92.5	136	202	303	443	644	954	1539	1677
15	0.10	0.35	1.64	4.75	10.1	16.3	23.8	34.6	50.3	67.0	86.9	120	175	251	357	483	616	737	762
20	0.10	0.34	1.55	4.39	9.39	15.3	22.2	31.6	45.3	61.5	79.3	104	146	200	268	349	431	484	492
25	0.10	0.33	1.44	3.94	8.56	13.9	20.3	28.5	39.6	54.3	70.1	89.3	116	155	196	242	286	319	324
30	0.10	0.32	1.30	3.41	7.59	12.5	18.2	25.0	34.2	45.9	60.0	75.5	93.7	114	142	170	190	205	206
35	0.10	0.30	1.15	2.89	6.52	10.9	15.9	21.7	28.8	37.8	50.1	62.7	75.5	87.7	101	114	128	136	136
40	0.10	0.28	0.97	2.48	5.35	9.30	13.4	18.4	24.0	30.8	40.3	50.8	61.2	70.1	77.8	83.3	88.8	92.0	91.1
45	0.10	0.26	0.82	2.03	4.32	7.60	11.2	15.1	19.7	24.7	31.0	38.9	47.0	54.1	59.6	63.8	66.6	67.3	66.0
50	0.10	0.24	0.68	1.62	3.25	5.98	8.97	12.1	15.7	19.6	23.6	28.1	33.6	38.9	43.4	46.3	47.9	48.4	47.6
55	0.10	0.22	0.53	1.27	2.47	4.42	6.81	9.32	12.0	15.0	18.0	20.7	23.3	26.1	28.3	30.5	31.9	32.4	32.2
60	0.10	0.19	0.37	0.91	1.72	2.98	4.80	6.76	8.77	10.9	12.9	15.1	16.9	18.3	19.5	20.5	21.2	21.7	21.8
65	0.10	0.18	0.32	0.65	1.20	1.93	2.99	4.41	5.85	7.24	8.66	9.99	11.3	12.5	13.4	14.0	14.4	14.7	14.8
70	0.10	0.16	0.27	0.39	0.76	1.19	1.73	2.50	3.32	4.24	5.02	5.84	6.53	7.28	7.95	8.48	8.83	9.06	9.13
75	0.10	0.15	0.21	0.29	0.39	0.65	0.85	1.23	1.61	2.01	2.39	2.73	3.10	3.46	3.76	4.08	4.36	4.52	4.59
80	0.10	0.13	0.17	0.20	0.26	0.33	0.39	0.51	0.63	0.73	0.84	1.02	1.18	1.30	1.40	1.48	1.54	1.59	1.63
85	0.10	0.11	0.13	0.15	0.16	0.19	0.21	0.23	0.25	0.27	0.29	0.30	0.31	0.31	0.30	0.29	0.27	0.30	0.33
90	0.10	0.10	0.10	0.10	0.09	0.10	0.10	0.10	0.10	0.10	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:01 September 2022

γ Range: 0 - 90DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.265m [K=1.0000]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 96GRF1/91524	TYPE: 96GRF1/91524	WEIGHT: 1
SPEC.:	DIM.: F 150 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: 9 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	
-90	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.10	
-85	0.32	0.34	0.33	0.31	0.31	0.30	0.29	0.27	0.25	0.24	0.21	0.19	0.18	0.17	0.14	0.12	0.11	0.10	
-80	1.60	1.53	1.53	1.49	1.38	1.25	1.09	0.91	0.73	0.59	0.46	0.34	0.30	0.25	0.20	0.15	0.13	0.10	
-75	4.99	4.95	4.71	4.37	3.88	3.34	2.85	2.45	1.96	1.48	1.12	0.71	0.54	0.36	0.27	0.19	0.14	0.10	
-70	10.0	10.00	9.95	9.58	8.64	7.52	6.43	5.29	4.27	3.24	2.39	1.61	1.01	0.60	0.35	0.24	0.16	0.10	
-65	16.3	16.1	16.1	15.7	14.5	13.0	11.1	9.24	7.38	5.70	4.15	2.83	1.75	1.00	0.55	0.28	0.18	0.10	
-60	23.9	23.7	23.4	22.5	20.9	18.8	16.2	13.5	11.0	8.57	6.34	4.36	2.75	1.53	0.74	0.33	0.19	0.10	
-55	34.7	34.1	33.1	30.8	28.3	25.0	21.6	18.1	14.7	11.6	8.72	6.20	3.96	2.25	1.11	0.45	0.21	0.10	
-50	49.0	47.9	46.1	42.5	38.3	33.4	28.1	23.1	18.7	14.7	11.2	8.13	5.29	2.99	1.47	0.57	0.23	0.10	
-45	68.3	65.8	62.1	57.2	50.9	43.6	36.3	29.0	23.0	18.1	13.8	10.1	6.71	3.87	1.88	0.68	0.25	0.10	
-40	93.4	88.2	81.4	74.3	66.5	57.0	46.0	36.7	28.1	21.5	16.4	12.0	8.16	4.71	2.31	0.80	0.27	0.10	
-35	136	126	109	95.8	83.8	71.2	58.1	45.7	34.8	25.4	18.9	13.9	9.49	5.68	2.68	0.98	0.28	0.10	
-30	202	185	158	132	107	87.0	70.9	55.8	42.4	30.1	21.4	15.8	10.8	6.54	3.10	1.14	0.29	0.10	
-25	311	275	226	183	139	107	84.0	66.1	49.9	35.4	24.1	17.4	12.0	7.28	3.50	1.27	0.31	0.10	
-20	472	409	327	245	180	132	96.9	75.0	57.1	40.9	26.5	18.8	13.0	7.89	3.82	1.38	0.31	0.10	
-15	722	582	447	325	226	157	109	81.5	62.6	45.5	29.3	20.0	13.8	8.37	4.07	1.46	0.32	0.10	
-10	1452	876	573	403	268	179	120	86.5	66.6	48.9	31.2	20.8	14.4	8.71	4.24	1.52	0.33	0.10	
-5	2712	1426	689	456	300	194	128	88.8	68.3	50.7	32.3	21.3	14.7	8.90	4.33	1.55	0.33	0.10	
0	3417	1609	727	471	307	196	128	88.5	68.3	51.2	32.5	21.4	14.8	8.93	4.35	1.56	0.33	0.10	
5	2609	1333	665	441	289	186	123	85.5	66.1	49.5	31.8	21.1	14.6	8.85	4.31	1.54	0.33	0.10	
10	1399	820	544	386	258	171	114	80.9	62.4	46.5	30.3	20.5	14.1	8.61	4.20	1.49	0.33	0.10	
15	688	557	429	308	212	148	101	75.2	57.7	42.6	28.1	19.5	13.4	8.22	4.01	1.43	0.32	0.10	
20	464	397	310	233	171	120	87.8	67.5	52.0	38.0	25.6	18.3	12.5	7.70	3.74	1.34	0.32	0.10	
25	307	265	218	172	129	97.2	75.7	59.2	45.6	33.0	23.4	16.9	11.5	7.03	3.41	1.22	0.31	0.10	
30	200	178	153	122	96.2	79.2	64.5	50.7	38.8	28.6	20.8	15.3	10.4	6.27	3.00	1.09	0.30	0.10	
35	132	119	102	87.9	75.8	65.4	54.6	42.7	32.3	24.6	18.5	13.6	9.25	5.47	2.57	0.94	0.29	0.10	
40	88.9	83.3	76.3	69.5	62.0	53.8	44.2	35.2	27.2	21.1	16.1	11.7	7.96	4.57	2.18	0.77	0.27	0.10	
45	64.6	62.4	59.5	54.7	49.0	42.3	35.0	28.7	22.9	17.9	13.6	9.92	6.56	3.77	1.76	0.65	0.26	0.10	
50	47.0	45.7	43.4	40.2	36.4	31.9	27.5	23.1	18.9	14.7	11.2	8.04	5.20	2.93	1.37	0.55	0.24	0.10	
55	32.1	31.5	30.2	28.5	26.7	24.2	21.6	18.4	15.1	11.7	8.74	6.10	3.91	2.22	1.05	0.45	0.22	0.10	
60	22.0	21.9	21.5	20.7	19.8	18.3	16.3	13.8	11.2	8.57	6.25	4.26	2.73	1.51	0.71	0.34	0.20	0.10	
65	15.1	15.1	14.8	14.4	13.8	12.7	11.0	9.12	7.23	5.53	3.99	2.72	1.74	1.00	0.53	0.29	0.19	0.10	
70	9.26	9.24	9.21	8.95	8.34	7.42	6.25	5.01	4.04	3.04	2.27	1.53	1.01	0.60	0.35	0.25	0.17	0.10	
75	4.65	4.63	4.54	4.30	3.85	3.29	2.73	2.31	1.88	1.46	1.11	0.73	0.55	0.36	0.27	0.21	0.15	0.10	
80	1.64	1.63	1.56	1.46	1.37	1.24	1.07	0.87	0.74	0.61	0.47	0.36	0.30	0.24	0.20	0.17	0.13	0.10	
85	0.35	0.36	0.36	0.35	0.32	0.29	0.28	0.28	0.25	0.23	0.22	0.20	0.18	0.16	0.15	0.13	0.11	0.10	
90	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.10	0.09	0.09	0.09	0.10	0.10	0.10	

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

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γ Range: 0 - 90DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.265m [K=1.0000]

Remarks: