

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	3987.9 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	62.1V x 61.5H
	At 50% of Imax	21.4V x 22.2H
	At 90% of Imax	8.0V x 8.2H

Beam Flux	Total	1132.5 lumens per klm.
	To 10% of Imax	906.8 lumens per klm.
	To 50% of Imax	331.8 lumens per klm.
	To 90% of Imax	62.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	113.3 %

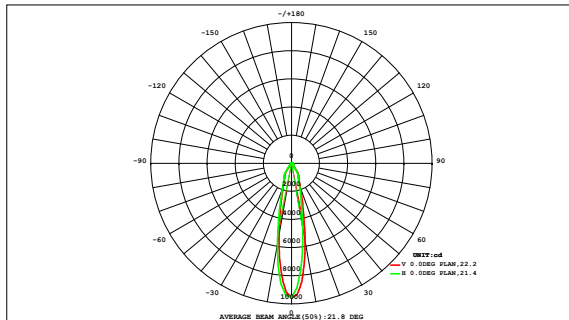
Luminaire Efficiency (Light Output Ratio)	112.9 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 19 October 2022

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:

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 93TLOM3040/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F70 x250	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	93TLOM3040/WH	Imax (cd)	9571
NOMINAL POWER (W)	30	AVAILABILITY (%)	90.3
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	2167
NOMINAL FLUX (lm)	2400	LOR (%)	112.9
LAMPS INSIDE	1	TOTAL FLUX (lm)	2709
TEST VOLTAGE (V)	230	θ @50% (H,V)	22,21DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
	0.00	0.02	0.05	0.10	0.15	0.21	0.26	0.29	0.31	0.30	0.28	0.24	0.19	0.13	0.08	0.04	0.02	0.00			
90																					
80	0.01	0.06	0.17	0.33	0.52	0.73	0.90	1.02	1.09	1.08	1.01	0.87	0.69	0.48	0.30	0.15	0.05	0.01	9.47	0.00	
70	0.01	0.11	0.30	0.60	0.90	1.16	1.38	1.53	1.61	1.60	1.52	1.35	1.14	0.87	0.56	0.27	0.09	0.01	15.0	0.00	
60	0.02	0.15	0.45	0.79	1.11	1.43	1.75	2.03	2.19	2.18	2.00	1.72	1.40	1.08	0.76	0.41	0.13	0.02	19.6	0.00	
50	0.02	0.20	0.54	0.90	1.30	1.84	2.42	2.89	3.52	3.59	2.97	2.39	1.79	1.26	0.87	0.51	0.18	0.02	27.2	0.00	
40	0.03	0.24	0.60	1.00	1.60	2.45	4.72	12.7	19.4	19.2	12.3	4.37	2.32	1.53	0.96	0.57	0.22	0.02	84.2	10.2	
30	0.03	0.26	0.64	1.11	1.95	4.39	18.6	32.0	39.7	39.2	31.1	17.3	3.66	1.85	1.05	0.61	0.25	0.03	194	141	
-30	0.04	0.28	0.66	1.21	2.26	10.3	29.7	53.8	95.0	92.2	51.0	28.5	8.98	2.12	1.14	0.64	0.26	0.03	378	339	
	0.04	0.29	0.68	1.28	2.43	14.3	35.5	90.1	215	207	83.7	34.0	13.3	2.33	1.21	0.65	0.27	0.03	702	667	
	0.04	0.29	0.67	1.28	2.38	13.6	34.7	84.0	192	186	79.8	33.8	12.9	2.36	1.21	0.65	0.27	0.03	645	610	
	0.04	0.28	0.65	1.20	2.19	8.17	27.7	48.3	77.7	76.7	47.1	27.3	7.79	2.15	1.14	0.64	0.26	0.03	329	289	
	0.03	0.26	0.62	1.08	1.94	3.48	14.4	28.5	35.8	35.7	28.3	13.7	3.35	1.84	1.04	0.61	0.25	0.03	171	112	
	0.03	0.23	0.58	0.96	1.58	2.47	3.90	8.42	13.2	13.0	8.03	3.67	2.32	1.49	0.94	0.56	0.22	0.02	61.6	0.00	
	0.02	0.19	0.52	0.87	1.25	1.80	2.47	3.03	3.31	3.21	2.87	2.34	1.72	1.21	0.84	0.50	0.18	0.02	26.4	0.00	
	0.02	0.15	0.43	0.75	1.06	1.35	1.64	1.91	2.06	2.04	1.87	1.60	1.32	1.03	0.73	0.40	0.13	0.02	18.5	0.00	
	0.01	0.10	0.29	0.57	0.85	1.09	1.28	1.42	1.49	1.48	1.40	1.26	1.07	0.82	0.54	0.27	0.09	0.01	14.0	0.00	
-70	0.01	0.06	0.16	0.31	0.49	0.67	0.83	0.94	0.99	0.99	0.92	0.80	0.64	0.45	0.28	0.14	0.05	0.01	8.75	0.00	
-80	0.00	0.02	0.05	0.09	0.14	0.19	0.23	0.26	0.27	0.26	0.24	0.21	0.16	0.12	0.07	0.04	0.01	0.00	2.36	0.00	
-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)						20	30	40	50	60	70	80	90
Φ t	0.41	3.19	8.07	14.4	24.1	69.6	182	373	704	686	356	175	64.7	23.1	13.7	7.66	2.92	0.34	2709	---	
Φ a	0.00	0.00	0.00	0.00	0.00	2.82	121	325	659	640	307	112	0.50	0.00	0.00	0.00	0.00	0.00	---	2167	

one-half-peak spread: U:9.7,D:11.9 , L:11.5,R:10.8

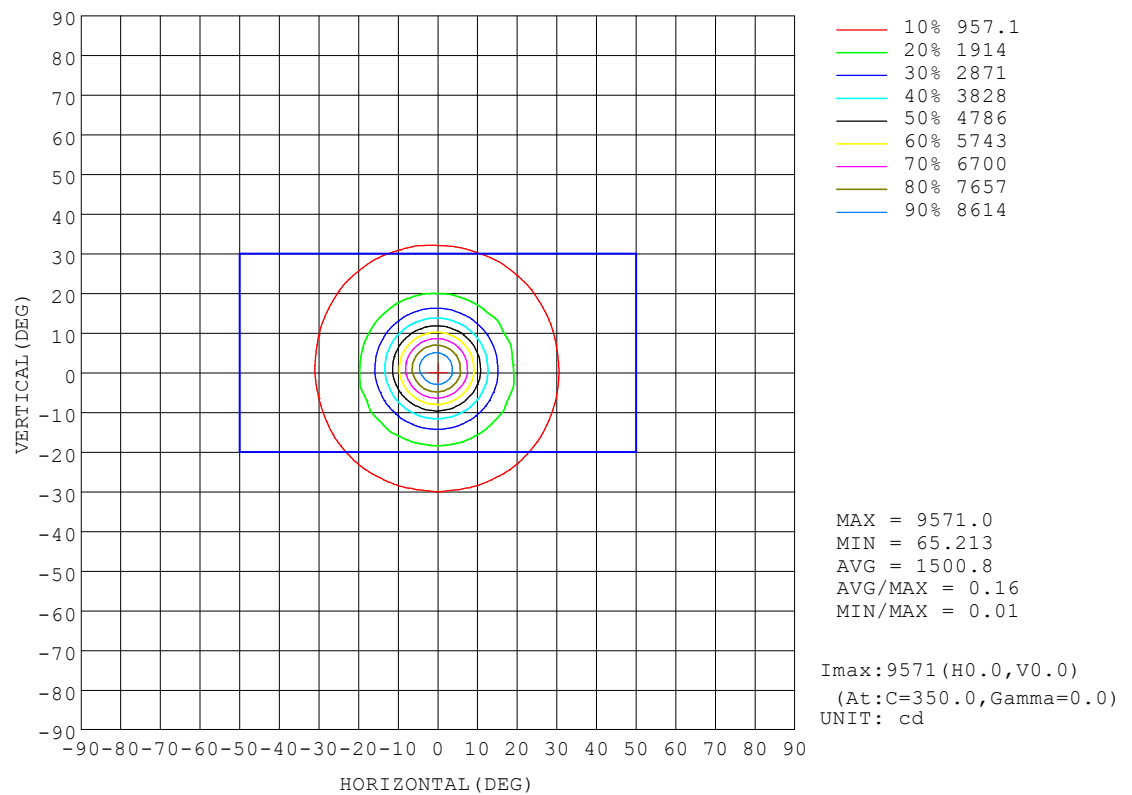
NEMA Beam Type: Type 4

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:19 October 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:

ISOCANDELA DIAGRAM

NAME: 93TLOM3040/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F70 x250	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

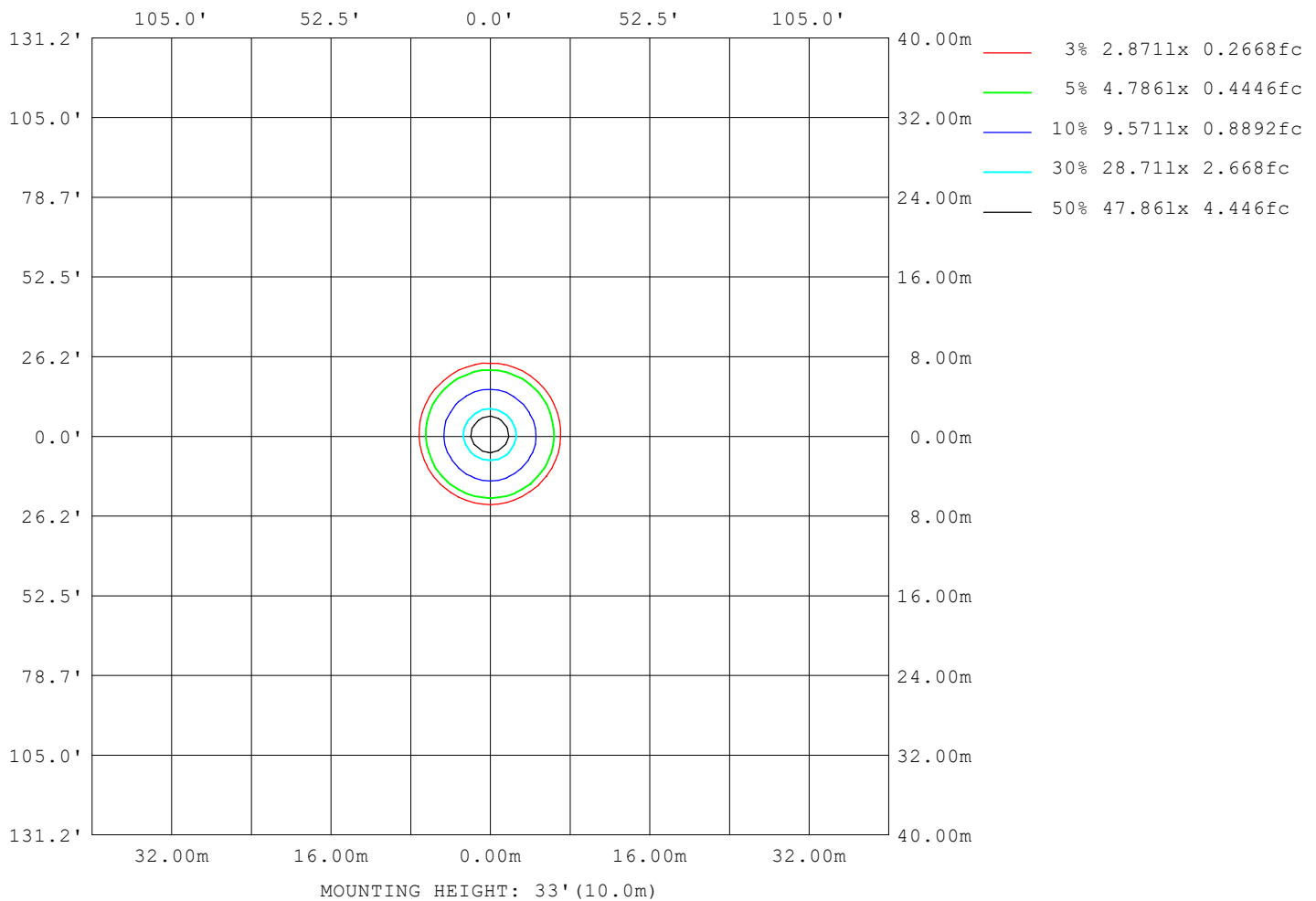


C Range: 0 - 360DEG
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Temperature:25.3°C
Operators:
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γ Range: 0 - 90DEG
 γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

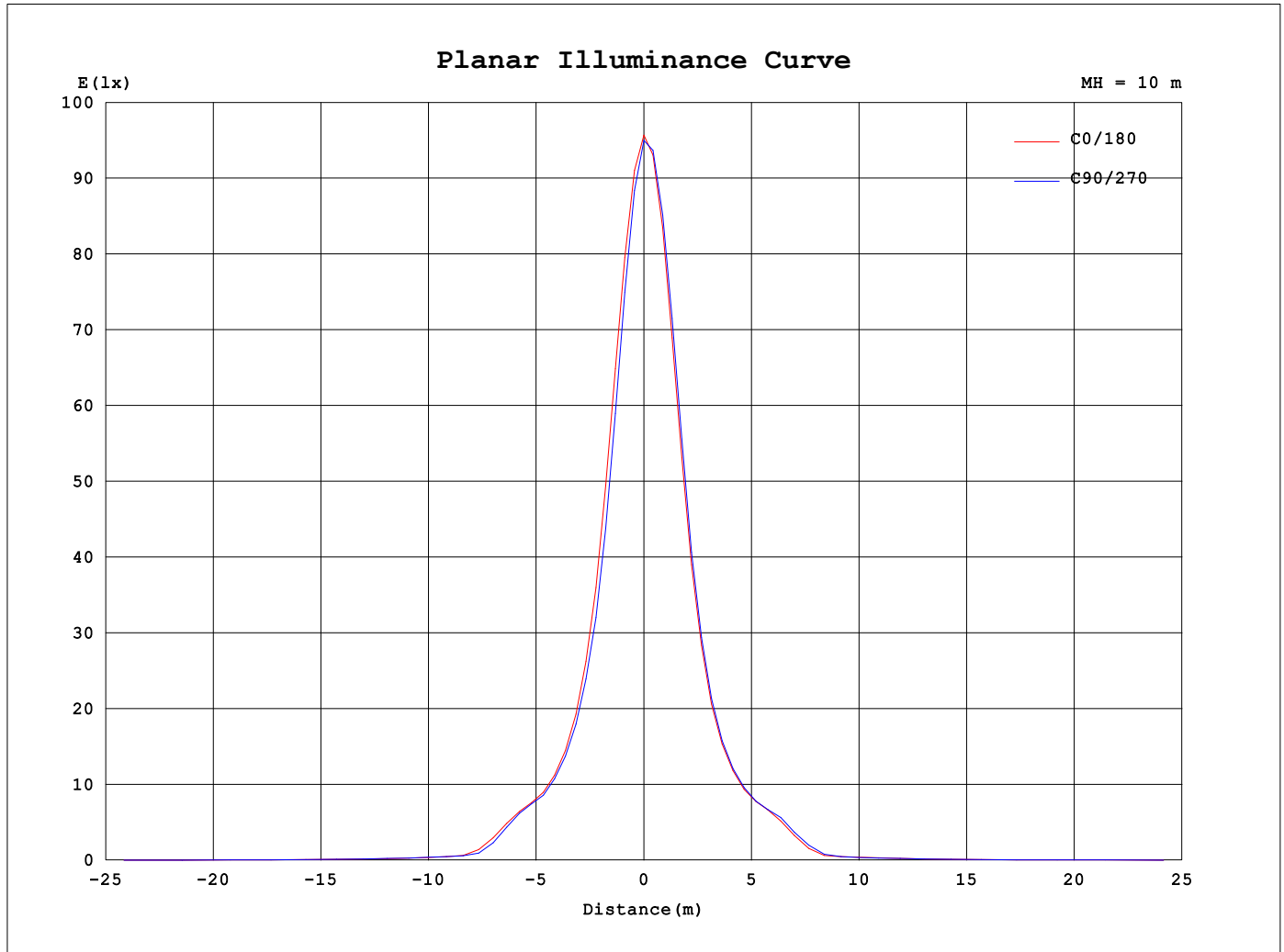
NAME: 93TLOM3040/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F70 x250	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:



C Range: 0 - 360DEG
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Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

Planar Illuminance Curve

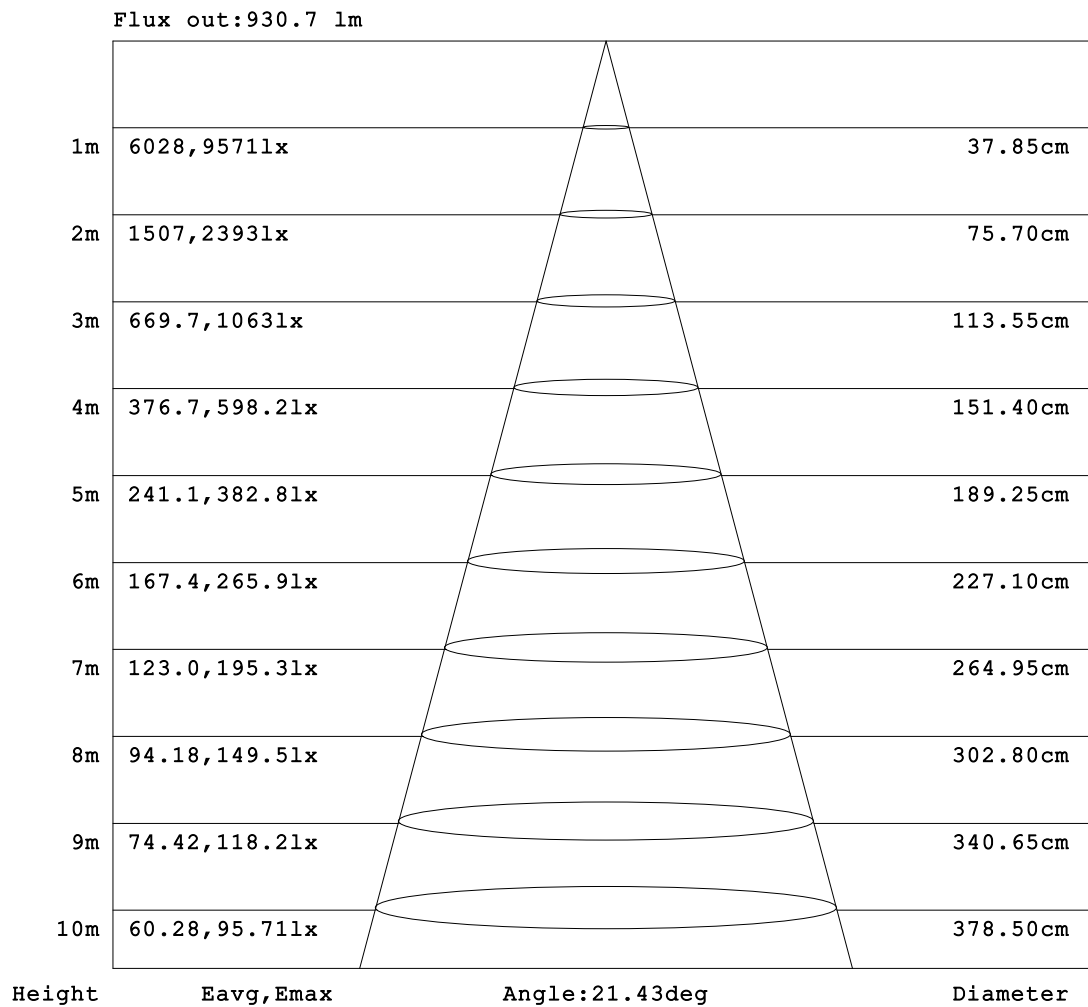


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 19 October 2022

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: 93TLOM3040/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F70 x250	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	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: 19 October 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: 93TLOM3040/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F70 x250	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	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	0.34	0.32	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
-85	0.34	1.06	1.75	2.43	3.06	3.68	4.26	4.92	5.52	6.12	6.66	7.08	7.44	7.79	8.08	8.21	8.27	8.33	8.32
-80	0.34	1.79	3.20	4.57	6.19	7.80	9.35	10.9	12.3	13.7	15.0	16.2	17.1	18.1	18.8	19.3	19.6	19.8	19.9
-75	0.34	2.52	4.65	7.18	9.64	12.3	14.9	17.5	19.9	22.4	24.8	26.9	28.7	30.6	32.1	33.2	33.9	34.4	34.5
-70	0.34	3.23	6.37	9.75	13.3	17.1	20.9	24.9	28.6	32.5	35.9	37.8	39.4	40.6	41.5	42.1	42.5	42.8	42.9
-65	0.34	3.91	8.04	12.5	17.1	22.1	27.6	33.0	37.2	40.1	42.2	44.0	45.5	46.7	47.8	48.5	48.9	49.2	49.2
-60	0.34	4.58	9.65	15.1	21.0	27.6	34.6	39.1	42.3	44.9	47.3	49.3	50.9	52.1	53.3	54.2	54.7	55.0	55.1
-55	0.34	5.34	11.3	17.9	25.2	33.2	39.2	43.1	46.4	49.3	51.8	53.9	55.9	58.3	60.5	63.8	65.6	66.7	67.0
-50	0.34	6.07	12.9	20.5	29.3	37.7	42.5	46.5	50.1	53.1	56.0	59.8	65.7	71.7	76.7	81.2	84.4	86.6	87.9
-45	0.34	6.75	14.4	23.2	33.4	40.7	45.4	49.6	53.4	56.9	62.5	72.2	80.8	89.2	97.1	103	107	109	110
-40	0.34	7.37	15.8	25.8	36.9	43.0	47.9	52.4	56.6	63.0	74.7	85.5	97.6	108	119	128	135	137	134
-35	0.34	7.93	17.2	28.3	38.9	45.0	50.2	54.9	60.8	73.0	86.2	99.4	112	129	156	207	323	393	419
-30	0.34	8.43	18.4	30.5	40.7	46.7	52.2	57.2	67.3	82.4	97.1	110	128	207	418	637	828	914	958
-25	0.34	8.86	19.4	32.5	42.1	48.3	53.8	60.3	74.1	90.1	105	120	212	512	836	1013	1097	1136	1152
-20	0.34	9.22	20.3	34.1	43.2	49.6	55.3	63.4	80.1	96.6	111	148	461	848	1062	1194	1405	1592	1658
-15	0.34	9.50	21.0	35.4	44.1	50.7	56.6	67.3	84.9	102	118	256	719	1034	1209	1597	2046	2502	2655
-10	0.34	9.71	21.5	36.4	44.8	51.5	57.6	70.2	88.4	106	128	419	886	1122	1472	2135	3118	4158	4586
-5	0.34	9.84	21.8	37.0	45.3	52.1	58.3	71.9	90.4	109	138	538	980	1203	1756	2748	4559	6657	7581
0	0.34	9.89	22.0	37.3	45.5	52.4	58.7	72.6	90.9	111	145	594	1022	1256	1854	3147	5570	8444	9571
5	0.34	9.85	21.9	37.1	45.5	52.3	58.6	72.1	89.7	110	147	572	1002	1235	1790	2991	5105	7593	8617
10	0.34	9.73	21.6	36.6	45.2	52.0	58.2	70.5	87.2	108	151	488	951	1169	1565	2366	3703	5217	5822
15	0.34	9.53	21.1	35.7	44.6	51.4	57.5	68.0	84.1	103	137	353	833	1074	1311	1764	2399	3044	3265
20	0.34	9.26	20.4	34.5	43.9	50.5	56.5	64.6	80.1	96.9	119	220	589	969	1112	1316	1590	1841	1903
25	0.34	8.91	19.6	32.9	42.9	49.4	55.2	61.9	75.0	89.4	107	135	334	706	975	1080	1175	1269	1289
30	0.34	8.49	18.5	30.9	41.6	48.0	53.7	59.1	68.8	82.0	96.1	112	177	327	626	882	985	1027	1030
35	0.34	8.00	17.4	28.7	39.9	46.3	51.9	56.8	62.9	73.7	85.5	97.7	108	124	256	385	550	687	672
40	0.34	7.44	16.0	26.3	37.9	44.4	49.7	54.4	58.8	65.3	75.5	85.3	94.1	101	107	120	171	232	173
45	0.34	6.82	14.6	23.6	34.4	42.2	47.1	51.6	55.7	59.6	65.3	73.5	81.4	88.0	93.2	97.1	102	106	109
50	0.34	6.15	13.1	20.9	30.4	39.2	44.3	48.5	52.4	55.8	59.1	63.1	68.5	74.1	79.0	82.6	86.1	88.2	88.6
55	0.34	5.42	11.5	18.3	26.2	34.8	40.9	45.0	48.6	51.9	54.6	57.1	59.5	62.4	65.1	68.2	70.5	71.6	71.7
60	0.34	4.66	9.86	15.5	21.8	29.0	36.2	41.0	44.4	47.4	50.0	52.2	54.2	55.8	57.3	58.5	59.4	59.7	59.7
65	0.34	3.99	8.25	12.9	17.9	23.1	28.9	34.8	39.4	42.5	44.7	46.7	48.5	50.1	51.2	52.2	53.0	53.3	53.3
70	0.34	3.29	6.57	10.1	14.0	17.9	21.7	26.2	30.7	34.8	38.4	40.4	42.2	43.5	44.5	45.4	46.0	46.2	46.2
75	0.34	2.58	4.84	7.54	10.2	13.0	15.6	18.5	21.2	23.9	26.5	29.1	31.5	33.4	34.9	36.3	37.3	37.7	37.8
80	0.34	1.84	3.34	4.89	6.69	8.36	9.96	11.7	13.4	14.8	16.1	17.5	18.7	19.7	20.4	21.1	21.6	21.7	21.7
85	0.34	1.09	1.85	2.62	3.39	4.09	4.76	5.56	6.32	6.96	7.53	8.09	8.59	8.94	9.21	9.47	9.65	9.66	9.58
90	0.34	0.34	0.35	0.35	0.34	0.35	0.36	0.36	0.35	0.36	0.36	0.36	0.35	0.36	0.36	0.35	0.34	0.34	0.34

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:19 October 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: 93TLOM3040/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F70 x250	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	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	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	
-85	8.16	7.93	7.72	7.44	7.02	6.54	6.08	5.56	4.93	4.26	3.61	2.91	2.51	2.09	1.70	1.26	0.79	0.30	
-80	19.6	19.2	18.7	18.1	17.2	16.1	15.0	13.8	12.4	10.9	9.45	7.89	6.33	4.73	3.15	2.22	1.27	0.30	
-75	34.1	33.4	32.5	31.3	29.5	27.4	25.3	23.2	20.8	18.3	15.9	13.3	10.7	8.09	5.69	3.23	1.75	0.30	
-70	42.6	42.1	41.6	40.8	39.8	38.4	36.6	34.5	30.8	26.6	22.9	19.1	15.4	11.7	8.19	4.89	2.22	0.30	
-65	49.0	48.5	47.9	47.0	45.8	44.5	43.0	41.1	38.9	35.7	31.1	25.3	20.2	15.4	10.8	6.51	2.67	0.30	
-60	54.8	54.2	53.5	52.5	51.2	49.8	48.1	46.1	43.7	41.0	37.7	32.7	25.3	19.1	13.4	8.06	3.11	0.30	
-55	66.0	64.4	62.3	59.1	56.9	54.7	52.7	50.5	47.9	45.1	41.9	37.8	31.2	23.0	16.1	9.68	3.84	0.30	
-50	86.4	83.7	79.8	74.3	68.7	63.1	57.9	54.6	51.7	48.8	45.3	41.3	36.1	26.9	18.6	11.2	4.54	0.30	
-45	107	103	98.8	93.0	85.4	77.2	68.3	60.0	55.4	52.0	48.3	44.1	39.4	31.3	21.1	12.6	5.18	0.30	
-40	127	120	112	107	101	91.4	80.9	70.1	60.4	55.1	51.0	46.6	41.7	35.2	23.6	14.0	5.77	0.30	
-35	380	330	215	135	114	105	92.6	81.0	68.5	58.6	53.4	48.8	43.8	37.4	25.8	15.3	6.31	0.30	
-30	912	824	615	390	217	121	106	91.8	76.8	63.7	55.7	50.8	45.5	39.4	28.0	16.4	6.78	0.30	
-25	1133	1095	1009	821	472	186	120	102	85.3	69.3	58.2	52.4	47.0	40.8	30.1	17.4	7.18	0.30	
-20	1585	1391	1180	1054	817	424	152	111	92.2	74.9	60.7	53.9	48.3	41.9	31.9	18.2	7.52	0.30	
-15	2469	2008	1551	1191	1025	690	234	122	98.7	79.9	63.9	55.1	49.2	42.7	33.3	18.9	7.78	0.30	
-10	4051	3009	2064	1432	1113	867	388	135	104	83.6	66.2	55.9	50.0	43.3	34.3	19.3	7.98	0.30	
-5	6414	4320	2615	1693	1181	965	497	142	108	85.9	67.6	56.5	50.4	43.7	34.9	19.6	8.09	0.30	
0	8047	5179	2913	1745	1204	997	539	145	109	86.8	68.1	56.7	50.6	43.9	35.1	19.7	8.13	0.30	
5	7294	4757	2759	1696	1179	967	518	139	107	85.7	67.4	56.4	50.4	43.8	34.9	19.6	8.10	0.30	
10	5030	3470	2207	1475	1128	907	437	130	103	83.2	65.9	55.8	49.9	43.4	34.3	19.3	7.98	0.30	
15	2947	2267	1691	1248	1042	781	301	117	98.5	79.7	63.6	54.9	49.2	42.8	33.3	18.9	7.80	0.30	
20	1795	1534	1265	1084	927	544	163	109	92.9	75.5	60.8	53.9	48.2	41.9	31.9	18.2	7.54	0.30	
25	1254	1156	1059	941	659	276	115	100	85.8	70.7	58.8	52.7	47.1	40.9	30.1	17.4	7.21	0.30	
30	1016	965	851	596	289	123	102	91.7	78.1	65.2	56.6	51.3	45.8	39.5	28.0	16.4	6.81	0.30	
35	671	538	373	245	119	102	93.9	82.5	70.4	60.1	54.5	49.6	44.3	37.7	25.8	15.3	6.34	0.30	
40	234	177	128	111	100	91.5	83.0	72.9	62.8	56.6	52.2	47.6	42.4	35.6	23.6	14.0	5.81	0.30	
45	108	105	99.5	93.4	86.5	79.3	71.5	63.4	57.7	53.6	49.6	45.2	40.2	31.8	21.2	12.7	5.23	0.30	
50	87.9	85.7	82.1	77.8	72.8	67.0	61.4	57.4	54.1	50.5	46.6	42.4	37.1	27.4	18.7	11.2	4.59	0.30	
55	71.3	69.8	67.1	64.0	61.4	58.3	55.8	53.2	50.3	46.9	43.3	39.0	32.3	23.5	16.2	9.73	3.90	0.30	
60	59.5	58.9	57.9	56.6	55.0	53.2	51.1	48.7	46.0	42.9	39.2	34.0	26.1	19.6	13.6	8.14	3.17	0.30	
65	53.1	52.7	51.8	50.6	49.3	47.6	45.7	43.5	41.1	37.8	32.6	26.2	20.9	15.8	11.1	6.61	2.73	0.30	
70	46.1	45.7	44.9	43.9	42.8	41.3	39.3	37.0	33.0	28.3	24.0	19.7	15.9	12.2	8.45	5.02	2.27	0.30	
75	37.5	36.9	35.7	34.1	32.2	30.0	27.3	24.8	22.1	19.4	16.7	13.9	11.3	8.58	5.99	3.38	1.80	0.30	
80	21.5	21.2	20.5	19.7	18.8	17.7	16.3	14.8	13.4	11.9	10.2	8.47	6.88	5.23	3.47	2.33	1.31	0.30	
85	9.50	9.33	9.01	8.62	8.23	7.77	7.18	6.52	5.88	5.19	4.37	3.52	2.98	2.44	1.88	1.34	0.81	0.30	
90	0.33	0.33	0.33	0.33	0.32	0.32	0.32	0.33	0.33	0.32	0.33	0.33	0.33	0.32	0.33	0.33	0.32	0.30	

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:19 October 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: