

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		1437.6 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		1.0 degrees horizontal

Beam Spread	At 10% of Imax	83.6V x 79.1H
	At 50% of Imax	44.3V x 44.2H
	At 90% of Imax	9.8V x 17.7H

Beam Flux	Total	998.4 lumens per klm.
	To 10% of Imax	829.4 lumens per klm.
	To 50% of Imax	449.2 lumens per klm.
	To 90% of Imax	52.2 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

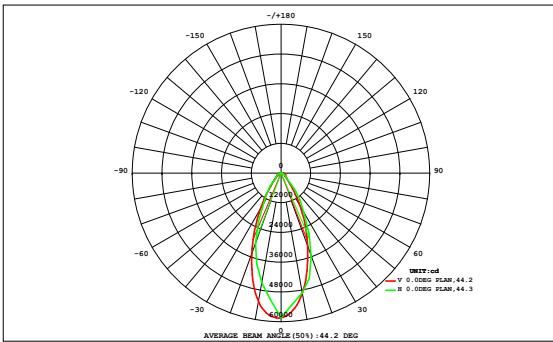
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-03-13

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.988m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.70V I:1.3970A P:299.30W PF:0.9750 Freq:50.00Hz Lamp Flux:40678.2x1 lm		
NAME: Polaris Projection Light	TYPE: TS-BJX-0300-N01S	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
	SUR.:	



DATA OF LAMP		Eff:135.911m/W	
MODEL	TS-BJX-0300-N01S	Imax (cd)	58480
NOMINAL POWER(W)	300	AVAILABILITY (%)	83.4
RATED VOLTAGE (V)	220	Avai. FLUX(lm)	33923
NOMINAL FLUX(lm)	40678.2	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	40678
TEST VOLTAGE (V)	220	θ @50% (H,V)	44,44DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.03	0.08	0.26	0.85	1.54	2.16	2.62	2.81	2.87	2.77	2.29	1.57	0.82	0.27	0.09	0.04	0.01	21.1	0.00
80	0.15	1.30	3.62	7.16	11.3	15.0	17.4	19.6	21.0	21.4	20.5	18.6	16.5	13.4	9.18	5.30	2.06	0.33	204	0.00
70	0.39	2.74	7.97	14.5	22.0	29.3	35.0	38.9	41.5	42.0	39.8	36.3	31.2	24.3	16.6	9.89	3.68	0.61	397	0.00
60	0.57	3.64	10.8	18.9	28.3	38.6	47.9	55.5	61.5	62.8	58.0	50.4	41.1	30.7	20.8	12.7	4.69	0.80	548	0.00
50	0.77	4.53	13.3	22.6	34.2	48.2	63.6	80.5	94.8	97.8	86.6	69.1	52.0	36.8	24.3	14.9	5.58	1.02	751	0.00
40	0.92	5.38	14.8	25.3	40.5	66.1	117	207	292	309	244	146	79.7	46.0	27.6	16.3	6.47	1.19	1645	1068
30	1.05	6.25	16.3	28.0	48.1	94.8	216	414	589	621	486	279	126	57.5	31.0	17.7	7.32	1.34	3040	2608
	1.16	7.13	17.7	30.9	58.8	149	409	781	1083	1139	900	517	203	73.3	34.6	19.0	8.08	1.47	5433	5091
	1.20	7.53	18.6	34.5	69.9	193	535	1017	1449	1538	1206	679	267	88.5	39.2	20.1	8.54	1.52	7172	6848
	1.20	7.66	18.9	35.9	73.7	212	584	1111	1588	1682	1308	731	284	92.1	40.3	20.4	8.68	1.52	7800	7479
	1.11	7.24	18.0	32.1	61.8	171	476	901	1257	1320	1026	574	220	75.3	35.2	19.3	8.21	1.37	6203	5874
-30	0.79	6.36	16.5	28.7	50.8	115	285	547	768	800	613	336	137	58.4	31.1	17.8	7.45	1.14	3819	3441
-40	0.58	5.34	14.9	25.5	40.9	67.8	132	254	357	368	278	154	77.0	45.0	27.3	16.4	6.60	0.91	1871	1362
-50	0.57	3.97	13.2	22.8	34.7	50.1	69.8	92.8	111	110	90.1	67.9	51.0	36.3	24.1	14.8	5.55	0.71	800	153
-60	0.46	3.30	10.2	18.5	29.0	40.0	50.6	60.8	69.2	70.4	62.9	52.5	41.7	30.7	20.7	12.7	4.56	0.60	579	0.00
-70	0.64	4.04	9.16	13.0	19.1	25.5	30.0	32.0	33.1	33.0	31.7	29.9	25.9	20.0	13.8	8.40	2.86	0.37	333	0.00
-80	1.46	7.78	11.8	4.38	2.40	3.11	3.62	3.97	4.26	4.19	3.91	3.53	2.90	2.14	1.45	0.84	0.23	0.03	62.1	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	13.0	84.2	216	363	626	1321	3074	5618	7822	8220	6456	3746	1658	732	398	227	90.6	14.9	40678	---
Φ a	0.00	0.00	0.00	0.00	1.39	600	2503	5197	7443	7829	6050	3240	1027	31.2	0.00	0.00	0.00	0.00	---	33923

one-half-peak spread: U:23.8,D:20.8 , L:22.5,R:22.0

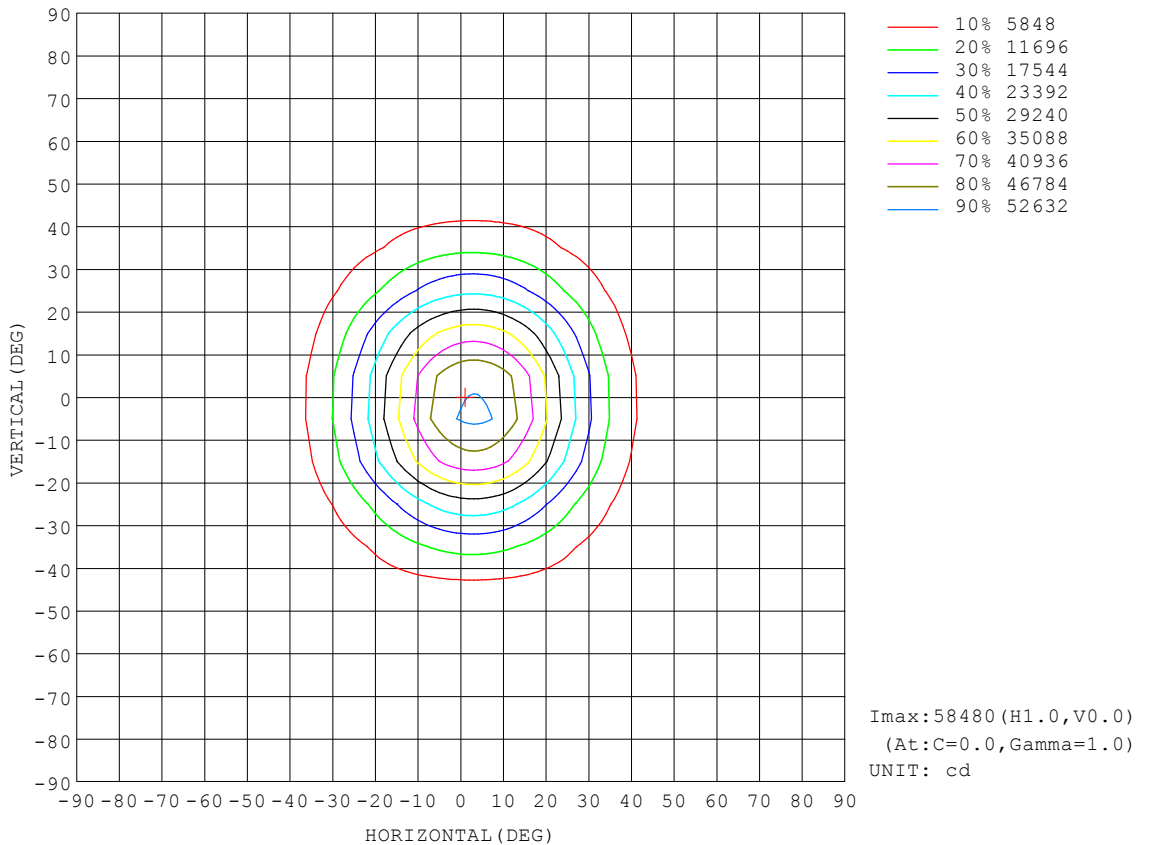
NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-03-13

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.988m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:219.70V I:1.3970A P:299.30W PF:0.9750 Freq:50.00Hz Lamp Flux:40678.2x1 lm		
NAME: Polaris Projection Light	TYPE: TS-BJX-0300-N01S	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
	SUR.:	

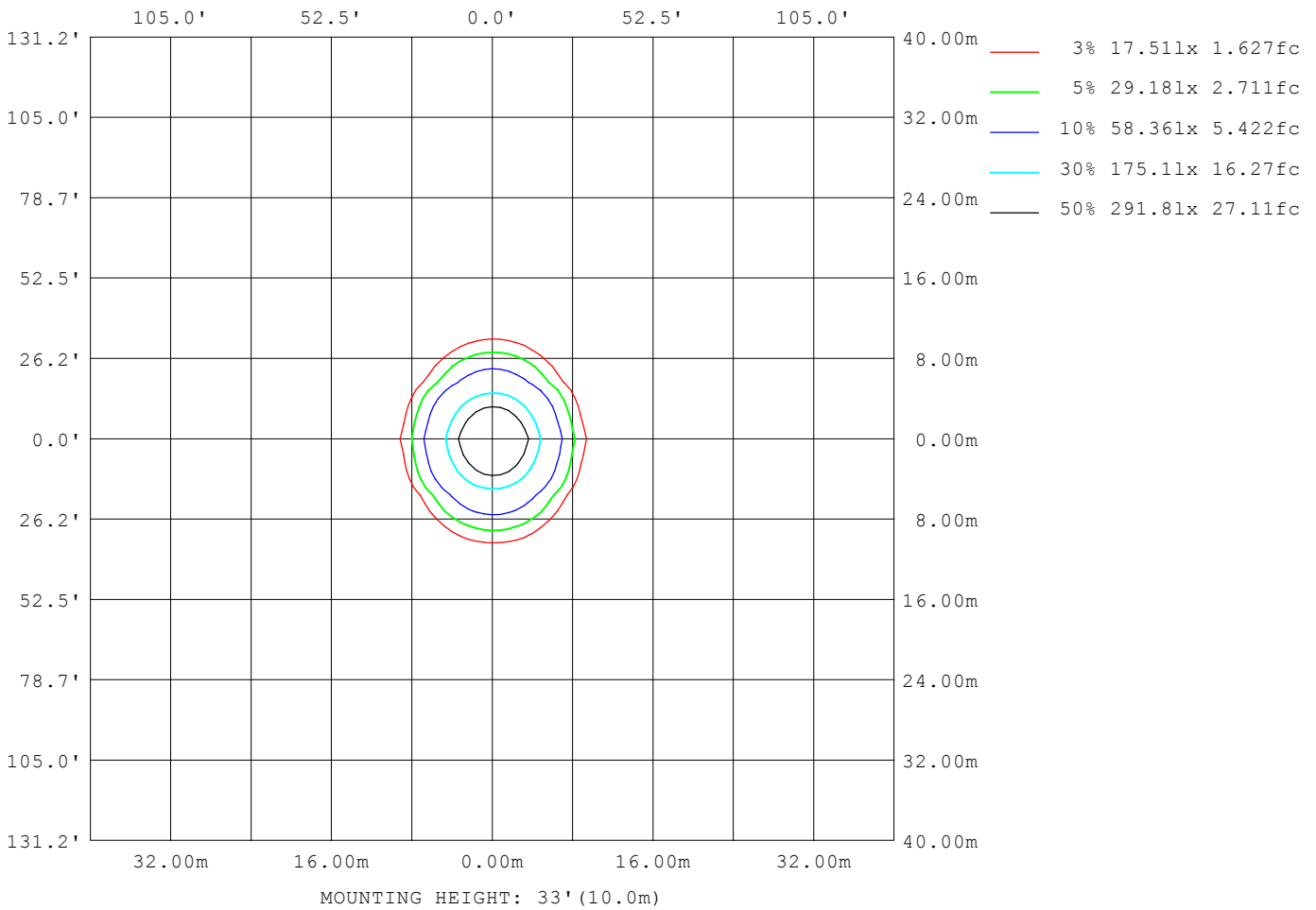


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-03-13

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.988m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

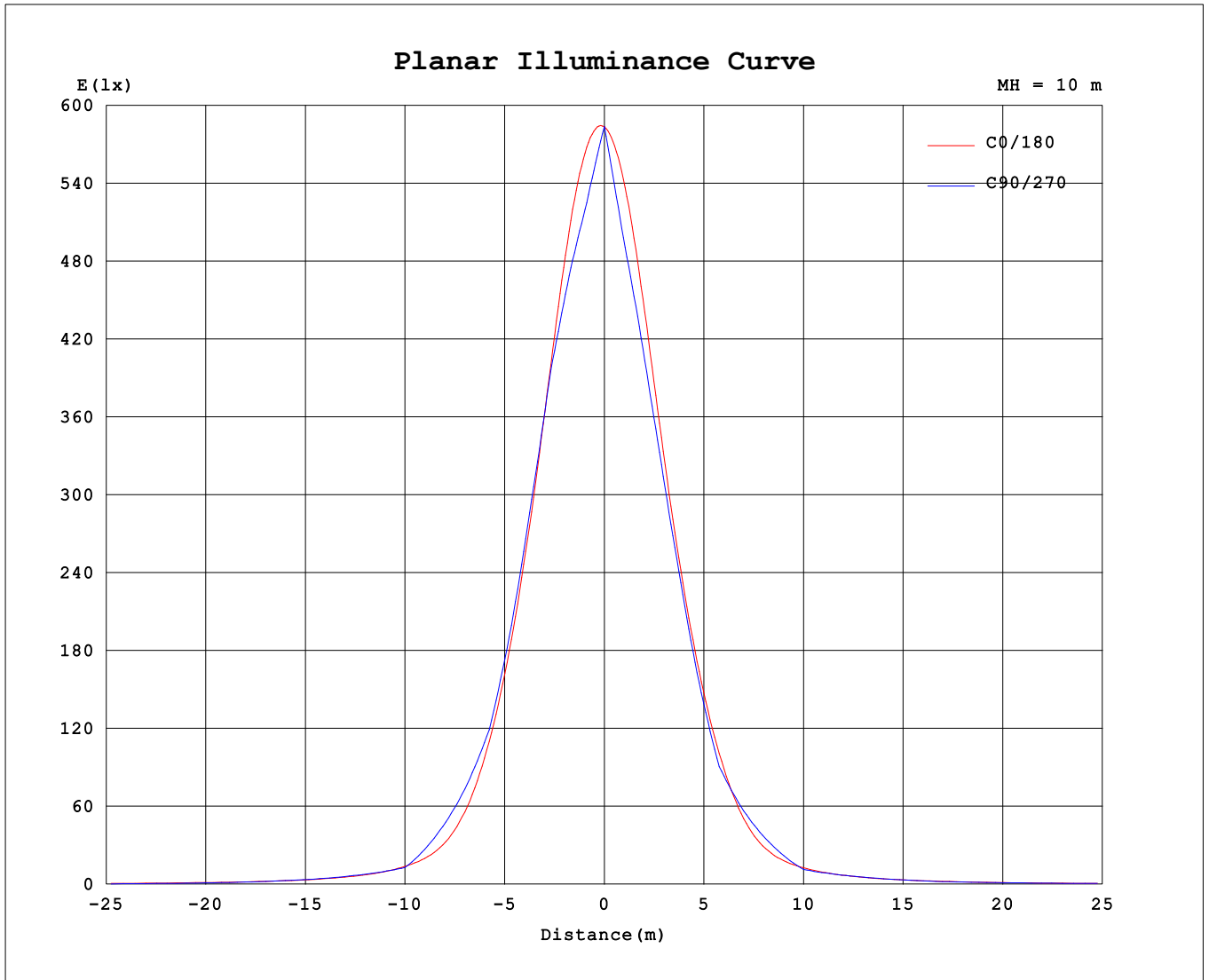
Test:U:219.70V I:1.3970A P:299.30W PF:0.9750 Freq:50.00Hz Lamp Flux:40678.2x1 lm		
NAME: Polaris Projection Light	TYPE: TS-BJX-0300-N01S	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
	SUR.:	



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-03-13

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.988m [K=1.0000]
Remarks:

Planar Illuminance Curve



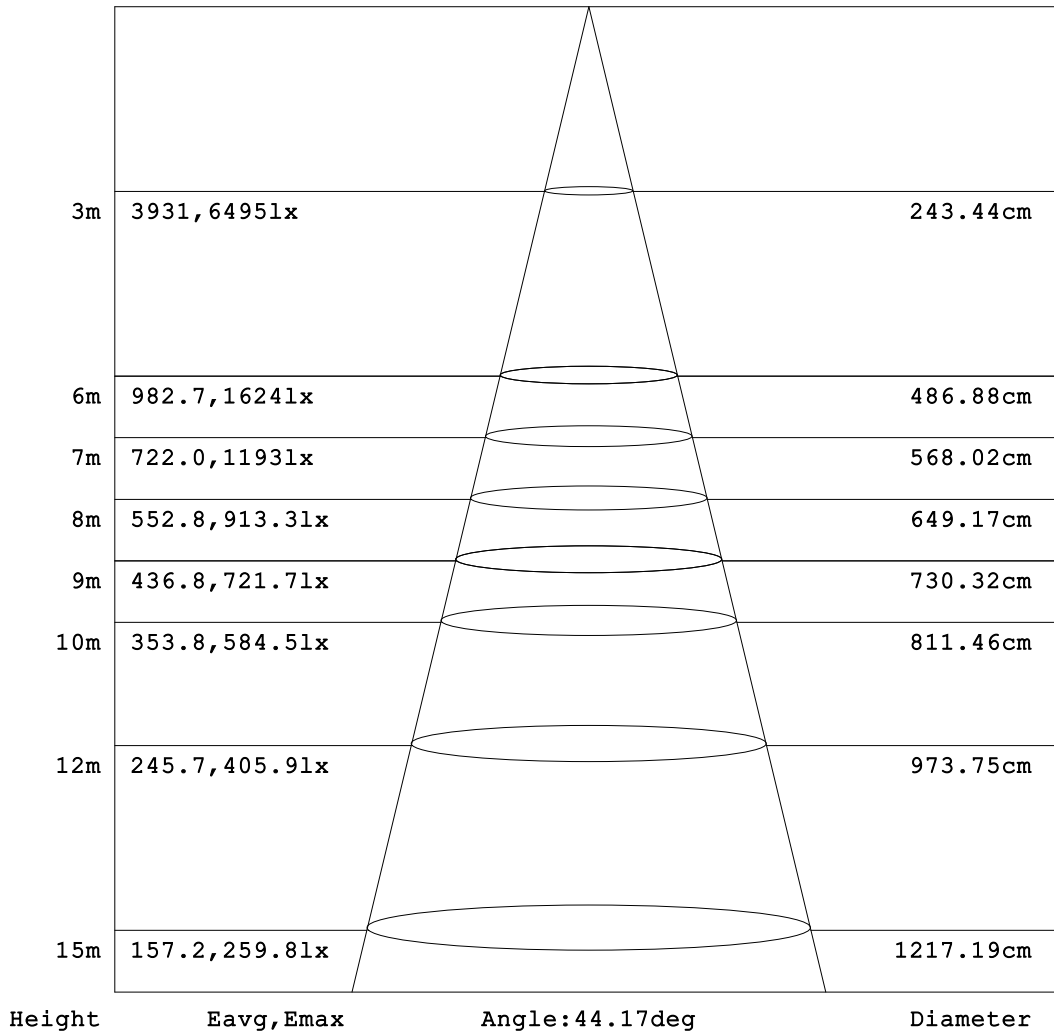
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2026-03-13

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
 Humidity:65.0%
 Test Distance:8.988m [K=1.0000]
 Remarks:

AAI Figure

Test:U:219.70V I:1.3970A P:299.30W PF:0.9750 Freq:50.00Hz Lamp Flux:40678.2x1 lm		
NAME: Polaris Projection Light	TYPE: TS-BJX-0300-N01S	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
	SUR.:	

Flux out:19069 lm



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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-03-13

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.988m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.70V I:1.3970A P:299.30W PF:0.9750 Freq:50.00Hz Lamp Flux:40678.2x1 lm		
NAME: Polaris Projection Light	TYPE: TS-BJX-0300-N01S	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
	SUR.:	

Table--1

UNIT: X10cd

H (DEG) \ V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	4.39	36.7	76.7	97.1	104	95.5	73.3	19.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	6.53	40.0	68.6	79.6	84.2	85.5	66.1	37.1	36.9	41.4	45.0	47.8	50.1	51.6	52.5	53.3	54.4	55.5	56.1
-65	4.84	17.8	40.0	55.5	63.0	74.0	76.6	66.9	69.9	79.3	87.3	93.4	98.5	102	104	106	108	110	112
-60	4.79	13.3	27.5	37.1	50.6	69.9	82.6	96.2	111	124	135	143	150	155	157	160	163	167	168
-55	3.98	9.15	23.0	37.3	50.8	75.3	91.1	103	116	131	145	157	169	180	191	202	215	226	234
-50	5.09	17.6	30.0	46.1	70.5	95.5	108	120	134	150	166	181	196	213	233	255	276	293	302
-45	1.81	10.8	25.9	42.5	66.8	99.5	117	127	140	156	173	192	211	233	258	289	321	347	366
-40	4.96	18.6	38.3	59.3	89.1	114	127	140	157	179	206	245	302	391	507	632	744	823	858
-35	2.14	10.1	33.5	58.5	85.3	113	129	142	159	183	215	263	341	470	658	877	1084	1244	1335
-30	4.39	16.1	52.4	76.9	106	126	140	156	179	210	258	335	469	689	981	1293	1567	1757	1836
-25	1.92	12.2	44.7	71.8	100	125	141	157	181	217	278	389	597	915	1316	1753	2167	2495	2680
-20	3.63	30.2	63.8	87.9	117	137	154	175	209	264	369	585	957	1448	1995	2556	3054	3419	3576
-15	1.16	17.1	59.3	82.4	111	136	153	174	206	259	360	570	981	1568	2231	2917	3570	4097	4400
-10	3.09	39.0	71.1	95.7	125	146	166	194	240	314	460	781	1318	1988	2716	3479	4174	4685	4909
-5	0.49	26.3	61.4	86.5	116	141	161	189	232	300	416	677	1179	1851	2610	3435	4257	4928	5312
0	2.77	42.6	74.3	100	129	151	176	213	272	361	531	924	1553	2308	3145	4062	4928	5555	5836
5	0.00	30.9	61.0	86.2	115	140	160	187	230	297	411	661	1141	1788	2523	3319	4110	4745	5111
10	4.25	41.8	70.3	94.9	124	144	163	191	236	309	446	734	1222	1842	2521	3220	3850	4301	4500
15	0.00	30.9	58.2	81.5	110	134	150	169	200	252	344	523	869	1378	1968	2569	3129	3549	3797
20	5.33	39.7	64.0	86.4	115	135	151	172	204	258	353	531	841	1259	1725	2194	2605	2895	3021
25	1.80	28.1	51.5	70.7	97.5	123	139	155	179	214	270	365	534	787	1105	1453	1786	2041	2189
30	5.99	36.4	55.4	74.4	103	125	139	155	178	208	252	315	410	557	759	985	1191	1337	1398
35	3.51	23.6	44.9	60.6	84.8	112	128	141	158	182	213	254	314	403	531	687	841	962	1031
40	5.22	31.1	47.5	63.4	90.4	114	126	139	156	177	204	237	281	343	424	515	598	657	684
45	4.45	17.3	38.3	51.1	71.8	100	116	127	139	155	172	190	208	227	248	270	293	312	324
50	4.69	23.8	39.3	52.4	75.1	98.2	110	120	133	148	163	178	192	207	222	238	253	265	272
55	4.48	11.8	30.3	41.7	57.2	80.3	96.0	105	116	129	142	153	164	174	184	192	202	210	216
60	4.40	14.5	30.8	41.4	57.4	78.0	89.3	98.3	108	120	130	138	145	150	152	154	157	160	161
65	4.53	7.89	21.4	31.9	42.7	59.2	72.5	81.2	90.2	100	110	117	122	127	130	132	134	137	139
70	3.74	10.1	21.1	30.0	40.1	53.1	62.7	71.2	79.5	88.5	95.8	100	104	107	109	111	113	115	117
75	4.60	5.64	11.8	21.8	28.3	37.0	46.0	54.7	62.1	69.7	76.7	80.8	82.5	84.2	86.3	89.1	90.8	92.4	93.8
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-03-13

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.988m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.70V I:1.3970A P:299.30W PF:0.9750 Freq:50.00Hz Lamp Flux:40678.2x1 lm		
NAME: Polaris Projection Light	TYPE: TS-BJX-0300-N01S	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
	SUR.:	

Table--2

UNIT: X10cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	55.8	54.9	53.9	53.1	52.2	50.7	48.5	45.8	42.5	38.8	35.5	33.1	29.7	22.4	15.0	9.11	3.99	2.22
-65	112	111	109	107	105	103	98.9	93.9	87.7	80.5	73.4	67.9	63.0	51.3	35.9	22.2	12.1	5.66
-60	167	165	162	159	157	152	145	137	127	116	106	99.2	89.2	67.3	45.0	27.3	12.0	6.65
-55	234	228	218	206	194	183	171	159	146	132	120	111	103	84.9	59.9	37.6	20.5	8.60
-50	298	285	266	244	223	204	186	170	154	138	126	116	105	82.2	56.5	33.9	13.9	4.17
-45	367	354	330	299	268	240	215	194	174	156	140	129	119	101	72.1	46.5	25.2	8.83
-40	839	771	666	541	422	327	262	218	186	161	144	131	119	96.2	68.3	43.4	16.5	2.92
-35	1338	1254	1094	887	668	482	353	273	221	185	160	143	130	113	85.3	59.7	30.9	9.17
-30	1790	1623	1362	1050	754	521	374	281	224	186	161	144	130	109	80.4	55.6	19.5	2.93
-25	2693	2530	2203	1773	1320	912	596	394	283	220	182	158	142	124	96.9	70.4	38.4	9.13
-20	3508	3208	2714	2122	1542	1026	632	402	284	219	181	158	140	119	90.3	65.5	22.0	3.18
-15	4432	4184	3657	2956	2221	1531	942	559	361	261	206	174	153	134	107	78.7	47.8	8.72
-10	4826	4423	3741	2924	2136	1418	845	504	340	252	200	169	148	127	97.6	71.9	29.0	3.33
-5	5362	5066	4425	3564	2674	1855	1153	668	422	301	229	186	159	139	112	82.4	53.8	8.75
0	5744	5267	4444	3456	2535	1698	1014	587	393	285	218	178	154	132	102	74.7	40.6	3.37
5	5156	4871	4261	3441	2586	1794	1118	653	416	298	227	184	158	138	111	81.8	55.5	10.5
10	4419	4054	3445	2709	1983	1317	793	484	332	247	196	166	147	125	96.3	70.5	39.7	0.00
15	3816	3599	3164	2587	1957	1347	836	513	345	253	200	169	150	132	105	76.9	52.9	13.9
20	2958	2710	2311	1828	1340	900	569	378	275	214	177	154	138	117	88.3	65.0	38.3	0.66
25	2197	2064	1805	1467	1110	785	531	368	273	216	179	156	140	123	94.7	68.6	48.8	14.2
30	1362	1235	1040	815	607	448	342	270	220	185	160	143	129	108	78.1	58.0	36.3	6.16
35	1033	969	849	697	542	413	323	261	216	183	160	143	130	112	83.1	60.1	43.9	13.5
40	669	618	540	450	365	298	250	213	184	161	144	131	118	94.8	66.9	50.7	29.9	6.45
45	325	315	298	276	253	231	211	192	174	156	141	129	119	99.9	70.3	51.5	38.2	11.8
50	268	259	245	229	214	198	183	168	153	138	126	116	104	80.6	56.6	43.2	23.1	7.01
55	216	211	204	195	187	177	167	156	144	132	120	110	101	82.9	58.7	44.2	28.2	9.83
60	161	159	156	154	152	148	142	135	126	115	105	97.3	86.7	64.9	47.1	35.4	16.1	7.83
65	139	138	136	134	132	130	126	121	114	105	96.0	87.9	79.8	64.2	46.6	35.0	20.0	8.21
70	116	115	114	112	110	108	106	102	96.1	87.6	79.9	72.5	62.6	47.8	36.0	24.6	12.3	6.47
75	94.2	93.6	93.1	91.8	89.5	88.6	88.1	87.3	83.8	76.9	69.8	63.1	54.9	43.6	33.9	23.9	13.6	6.90
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-03-13

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:8.988m [K=1.0000]
Remarks: