

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		847.0 cd per klm.
(Luminaire orientation as tested.)		30.0 degrees vertical
		11.0 degrees horizontal

Beam Spread	At 10% of Imax	126.4V x 138.9H
	At 50% of Imax	41.4V x 112.9H
	At 90% of Imax	18.4V x 100.8H

Beam Flux	Total	998.2 lumens per klm.
	To 10% of Imax	924.3 lumens per klm.
	To 50% of Imax	437.0 lumens per klm.
	To 90% of Imax	114.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

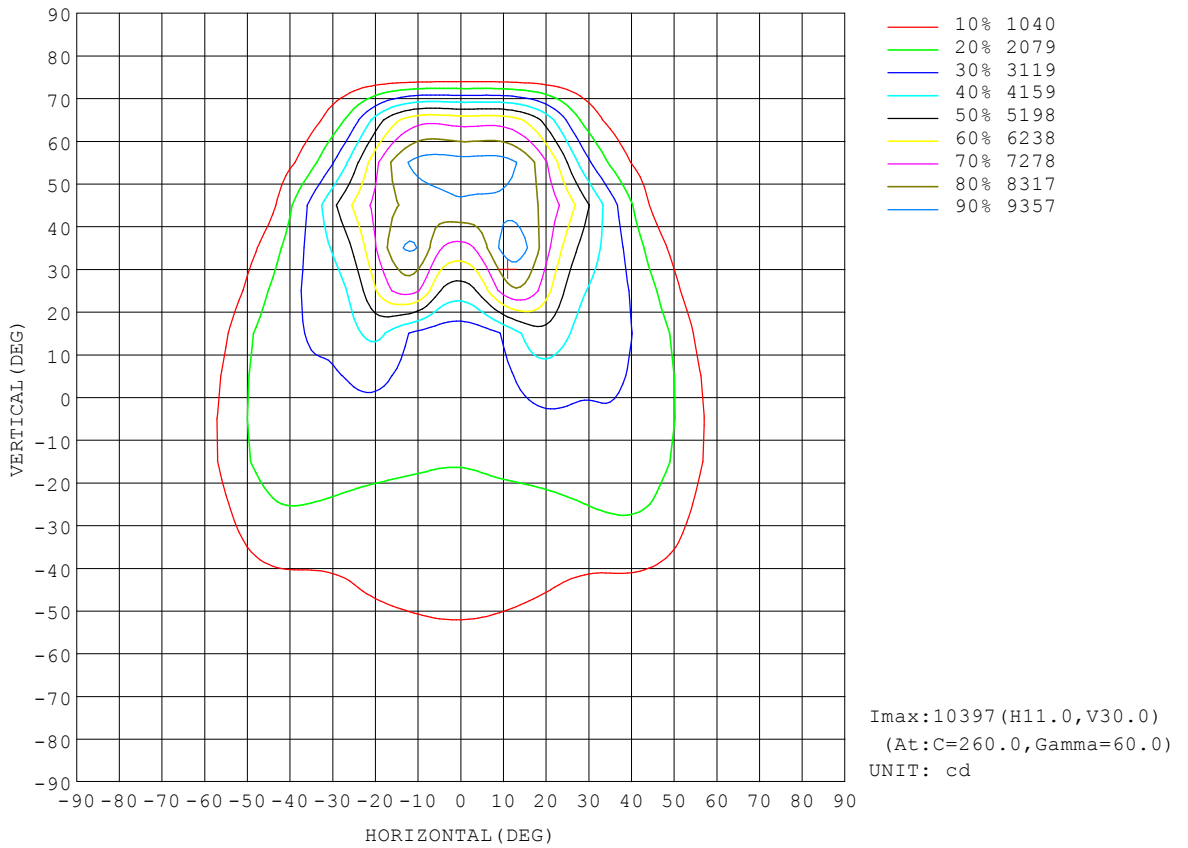
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-04-16

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:219.10V I:0.4720A P:101.20W PF:0.9780 Freq:50.00Hz		
Lamp Flux:12274.2x1 lm		
NAME: Polaris Projection Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
	SUR.:	

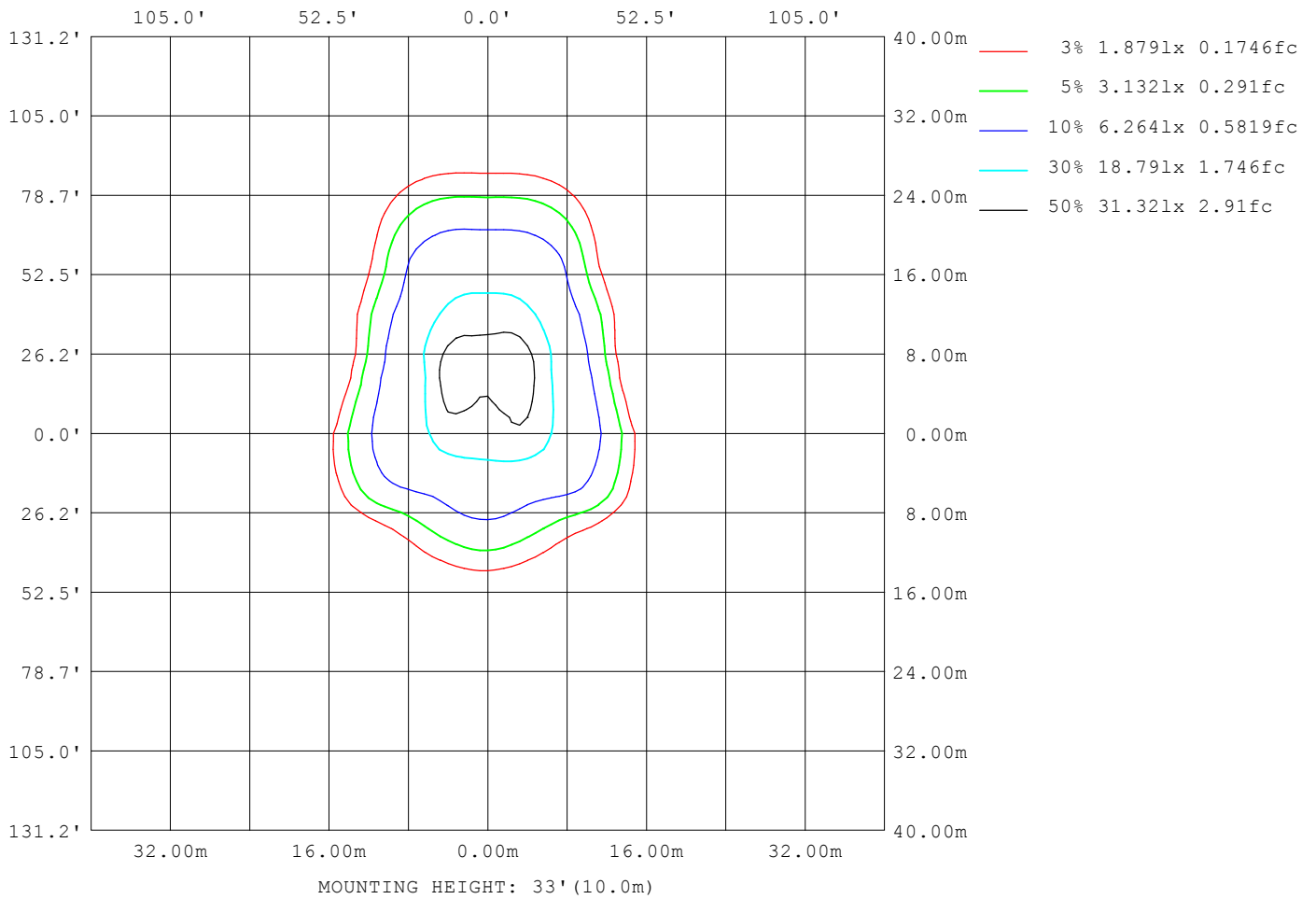


H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2026-04-16

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

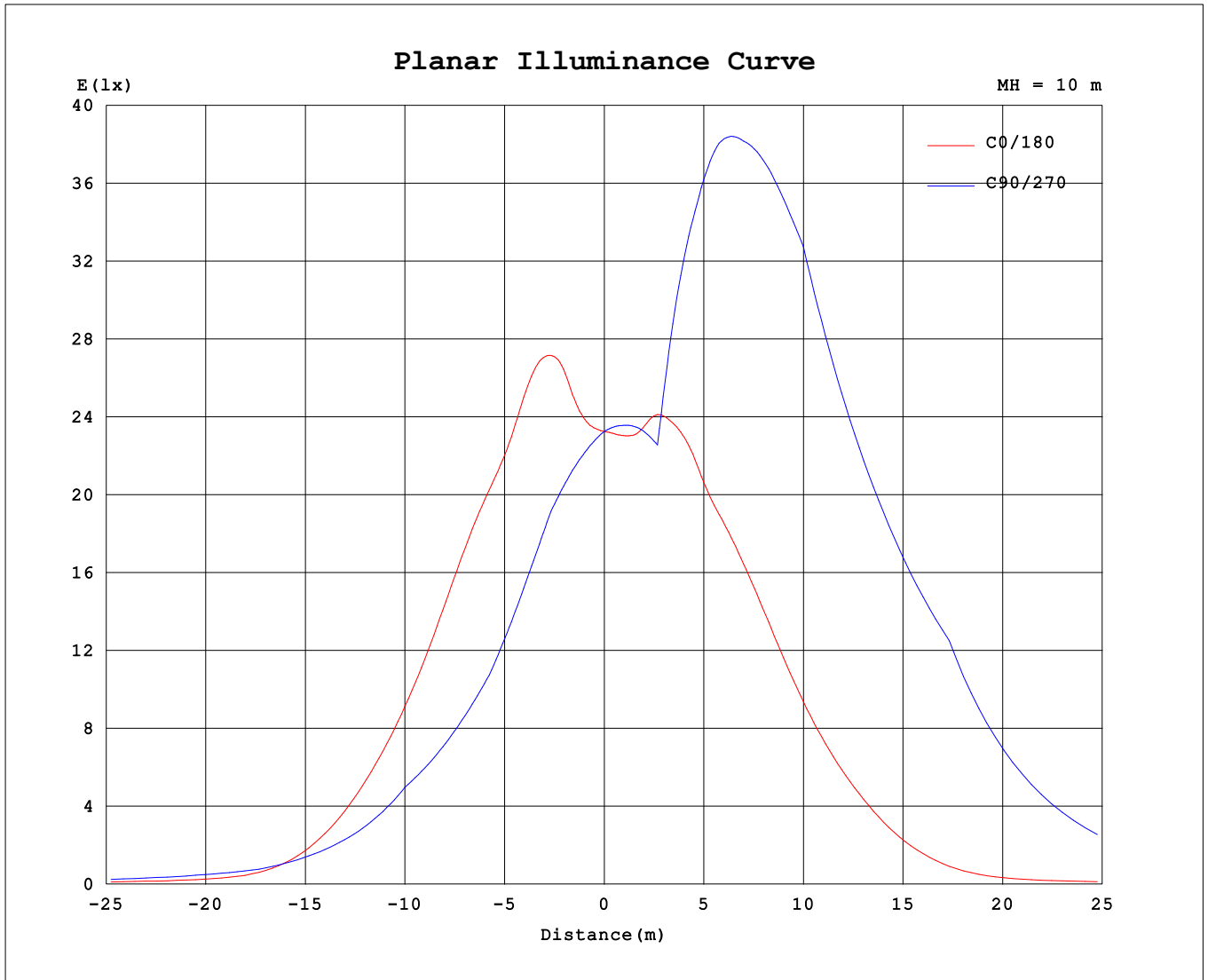
Test:U:219.10V I:0.4720A P:101.20W PF:0.9780 Freq:50.00Hz Lamp Flux:12274.2x1 lm		
NAME: Polaris Projection Light	TYPE:	WEIGHT:
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 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2026-04-16

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

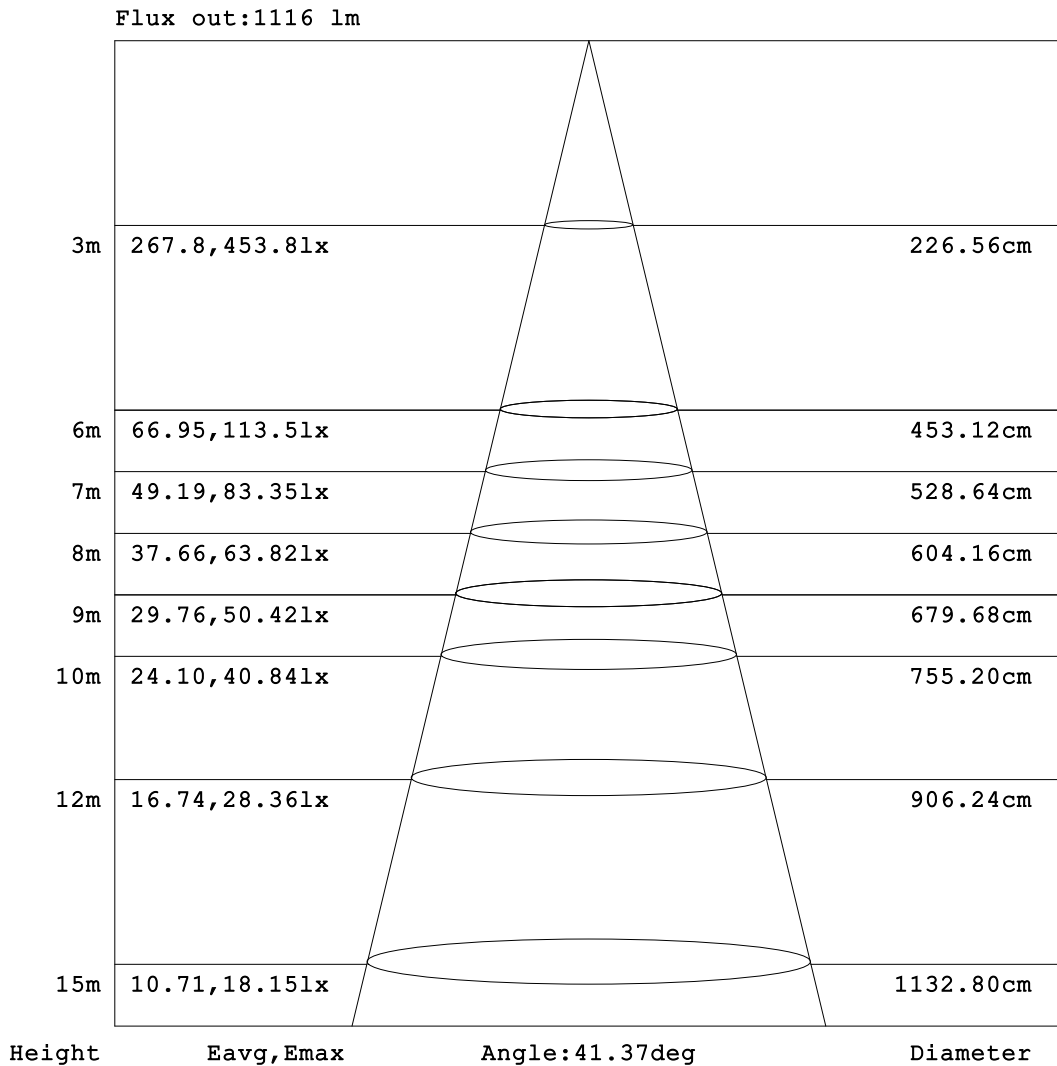


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-04-16

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:219.10V I:0.4720A P:101.20W PF:0.9780 Freq:50.00Hz Lamp Flux:12274.2x1 lm		
NAME: Polaris Projection Light	TYPE:	WEIGHT:
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	SUR.:	



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:2026-04-16

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:219.10V I:0.4720A P:101.20W PF:0.9780 Freq:50.00Hz Lamp Flux:12274.2x1 lm		
NAME: Polaris Projection Light	TYPE:	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	0.14	1.18	4.82	8.38	11.3	12.7	14.3	16.2	18.8	21.1	22.7	23.7	25.1	26.8	29.2	31.4	33.6	35.5	36.4
-70	0.15	2.25	6.26	10.6	14.1	15.8	17.6	20.0	22.9	25.6	27.7	29.5	32.3	34.1	37.2	39.9	42.5	44.6	45.1
-65	0.16	1.66	6.25	11.0	16.0	18.3	20.2	22.7	25.9	29.2	32.1	34.2	39.0	40.1	44.1	47.5	50.6	53.0	53.9
-60	0.17	3.01	7.85	13.6	19.0	21.5	23.6	26.6	30.2	34.0	37.4	40.5	46.2	47.6	52.4	56.2	59.6	62.2	62.6
-55	0.17	2.26	7.61	13.2	19.8	23.7	26.7	30.9	36.4	42.7	47.7	51.3	59.4	64.5	72.0	78.0	83.4	87.7	88.8
-50	0.18	4.03	9.21	15.6	22.6	27.0	31.3	37.1	45.1	53.7	59.5	64.7	74.5	84.4	94.1	102	109	114	115
-45	0.17	2.96	8.91	15.0	22.9	28.9	33.9	40.6	50.2	61.5	69.5	75.1	86.0	100	113	123	132	140	141
-40	0.16	4.88	10.3	17.1	25.4	30.9	39.0	57.7	82.1	101	107	107	111	118	126	135	143	148	149
-35	0.13	3.53	9.67	15.9	24.9	30.7	39.3	65.7	104	134	144	139	134	132	136	143	151	156	157
-30	0.13	5.58	11.2	18.2	27.6	33.0	46.4	88.6	141	175	180	168	156	148	149	155	161	165	165
-25	0.09	4.15	10.2	16.6	25.4	32.0	49.7	96.3	154	196	211	206	195	184	178	178	180	181	181
-20	0.08	6.18	11.5	18.2	26.3	35.0	66.7	128	187	226	242	240	229	217	207	202	199	197	197
-15	0.05	4.82	10.6	16.8	24.3	32.7	65.2	133	200	245	271	277	269	254	239	228	219	213	212
-10	0.06	6.67	11.7	18.0	25.0	34.4	76.0	150	214	256	280	284	275	264	252	240	226	220	219
-5	0.05	5.19	10.5	16.4	23.1	30.1	62.4	137	208	254	282	292	286	277	270	257	238	227	226
0	0.06	7.07	11.5	17.5	23.7	31.3	74.5	155	222	265	292	299	292	289	283	268	243	233	233
5	0.05	5.72	10.6	16.0	22.1	27.5	52.3	124	203	255	290	305	306	324	335	302	260	241	238
10	0.06	7.68	11.5	17.0	22.7	27.5	51.9	127	208	261	297	312	323	368	381	317	265	246	245
15	0.05	6.41	10.8	15.5	21.3	24.9	34.9	94.3	186	249	293	316	329	395	436	362	285	255	250
20	0.06	8.28	12.0	16.2	22.0	25.6	41.8	87.8	171	242	297	330	359	446	540	552	490	377	363
25	0.06	6.73	11.8	14.8	20.6	24.9	34.2	53.0	122	210	282	335	370	456	616	749	736	529	469
30	0.07	8.85	12.9	15.4	21.5	25.6	44.2	37.6	109	209	292	355	400	522	758	973	917	626	586
35	0.06	6.99	13.2	16.0	20.1	32.1	32.5	30.5	70.0	150	249	344	425	537	722	904	930	744	694
40	0.06	9.66	15.0	17.9	22.2	42.6	37.4	30.5	57.5	128	245	367	482	617	765	882	889	814	812
45	0.06	7.20	15.2	19.2	19.6	46.5	29.8	26.6	29.6	68.7	192	343	494	638	752	827	869	902	926
50	0.07	9.24	18.1	22.3	21.9	42.0	32.0	26.3	29.2	68.5	162	287	429	593	753	869	928	948	951
55	0.06	5.49	17.5	27.1	19.8	32.0	26.0	25.6	25.8	42.1	88.3	177	306	478	695	875	971	990	977
60	0.07	7.59	22.2	28.6	20.6	23.7	28.0	25.1	24.4	29.6	41.4	114	241	449	720	932	1033	1028	1002
65	0.06	4.11	17.2	27.2	16.9	20.7	20.2	22.0	21.3	25.1	30.7	69.6	149	273	452	607	690	699	680
70	0.07	6.25	18.5	21.2	14.2	16.1	18.0	18.8	19.0	22.1	27.1	51.8	95.3	165	254	326	362	364	356
75	0.06	3.06	14.4	19.5	10.9	12.6	12.4	15.9	16.1	17.7	19.8	20.4	22.2	22.5	21.3	23.0	25.7	30.5	33.7
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

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Remarks:

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NAME: Polaris Projection Light	TYPE:	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	35.3	33.2	30.7	28.4	26.0	24.5	23.4	22.4	20.9	18.4	15.6	13.7	12.1	10.4	7.45	4.27	1.56	0.17
-70	43.6	41.0	38.1	35.2	32.2	31.2	28.2	26.6	24.1	21.0	18.4	16.3	14.5	12.2	7.98	4.57	1.34	0.16
-65	52.6	50.0	46.6	43.2	39.3	38.3	33.6	31.5	28.4	24.9	22.0	19.8	17.7	15.2	10.3	5.97	2.51	0.19
-60	60.8	57.6	53.8	49.8	45.5	44.9	38.1	35.4	31.3	27.5	24.7	22.4	20.1	16.7	10.5	6.19	1.98	0.18
-55	86.5	81.5	75.5	69.3	62.3	57.3	50.5	47.2	41.2	34.3	29.6	26.3	23.1	19.1	12.5	7.52	3.41	0.20
-50	111	103	94.6	86.2	76.6	67.7	61.7	57.2	48.3	38.8	33.1	29.0	24.8	19.3	12.1	7.43	2.60	0.18
-45	137	128	117	107	94.9	81.5	74.0	69.5	59.4	46.5	38.5	33.4	28.4	22.0	14.3	8.92	4.26	0.20
-40	145	137	128	121	116	112	114	112	96.9	71.8	47.5	34.0	28.1	21.6	13.7	8.49	3.34	0.16
-35	155	149	142	137	138	144	153	157	142	107	65.3	38.0	30.2	24.5	15.8	9.89	5.08	0.16
-30	164	159	154	153	162	179	195	200	177	127	68.0	37.3	29.7	23.7	15.2	9.35	4.19	0.11
-25	182	182	182	186	196	211	223	225	204	158	95.5	47.2	31.0	25.1	16.7	10.5	5.83	0.12
-20	201	205	211	221	235	248	255	245	216	165	98.9	46.2	29.4	22.9	15.5	9.65	4.80	0.08
-15	217	226	237	252	268	281	286	273	244	197	129	60.7	30.9	23.9	17.0	10.8	6.52	0.08
-10	226	242	260	275	283	293	294	277	243	191	118	50.4	28.5	22.2	15.6	9.97	5.75	0.06
-5	231	249	277	293	296	301	305	291	259	211	137	61.2	29.4	23.2	16.9	11.1	7.51	0.08
0	240	269	301	315	309	312	313	295	258	204	125	49.8	27.1	21.8	15.7	10.3	7.04	0.06
5	247	282	342	370	349	327	323	305	265	208	126	52.2	27.4	22.4	16.7	11.4	8.46	0.08
10	261	320	402	423	376	339	329	302	253	183	92.3	36.9	25.3	21.1	15.4	11.2	8.17	0.06
15	265	325	434	483	426	359	339	313	262	190	94.2	33.8	25.2	21.7	16.4	11.6	9.37	0.08
20	440	572	620	552	442	376	345	297	228	142	61.4	33.7	24.4	20.7	15.1	12.5	9.34	0.07
25	568	772	806	664	498	410	365	303	223	131	55.0	37.2	24.7	21.9	16.0	14.0	11.2	0.08
30	776	1025	955	701	505	424	364	280	184	81.9	31.7	40.1	24.3	20.5	15.0	14.3	10.5	0.07
35	786	968	954	768	582	464	374	271	165	78.3	32.3	36.2	29.4	24.4	17.9	17.5	12.2	0.08
40	871	947	894	751	601	469	344	218	107	47.8	27.8	34.6	33.9	22.5	20.0	19.5	9.62	0.07
45	919	911	875	796	678	523	365	216	86.4	33.3	26.1	30.8	39.0	29.4	22.2	22.2	12.3	0.09
50	951	936	867	735	562	394	254	137	55.0	28.7	25.6	30.3	32.1	21.6	24.8	22.6	8.71	0.07
55	982	973	897	736	518	326	195	101	48.2	28.0	25.4	28.6	25.7	21.8	24.2	25.3	11.5	0.09
60	1016	993	875	653	386	199	92.1	37.4	28.6	24.8	25.1	27.2	18.9	17.8	29.1	23.7	7.82	0.07
65	686	679	613	478	299	159	79.9	35.2	25.4	22.0	21.5	22.8	16.3	15.3	20.9	23.5	9.66	0.08
70	360	350	308	232	143	80.7	43.9	25.3	21.2	18.4	18.0	17.4	13.5	12.2	19.1	18.3	5.37	0.07
75	33.1	29.0	24.9	22.1	21.6	21.8	20.0	19.5	18.1	15.3	14.7	13.4	10.8	9.88	12.3	16.8	6.93	0.08
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

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