

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	410.7 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	146.5V x 155.5H
	At 50% of Imax	100.2V x 102.4H
	At 90% of Imax	43.4V x 43.8H

Beam Flux	Total	998.3 lumens per klm.
	To 10% of Imax	979.7 lumens per klm.
	To 50% of Imax	700.2 lumens per klm.
	To 90% of Imax	170.2 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

Luminaire Efficiency(Light Output Ratio)	100.0 %
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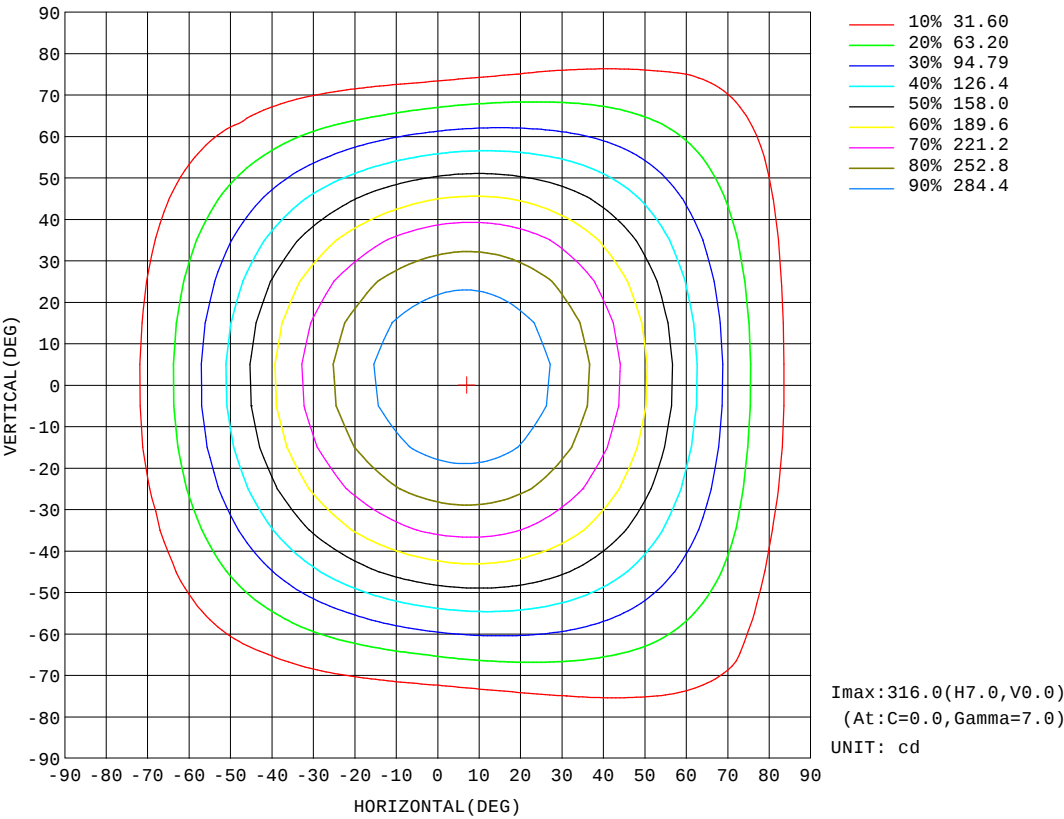
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-10

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:221.0V I:0.0627A P:7.309W PF:0.5278 Lamp Flux:769.429x1 lm		
NAME: 8.02.003.0427 LLS-COVE1-W40-L3-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700022
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

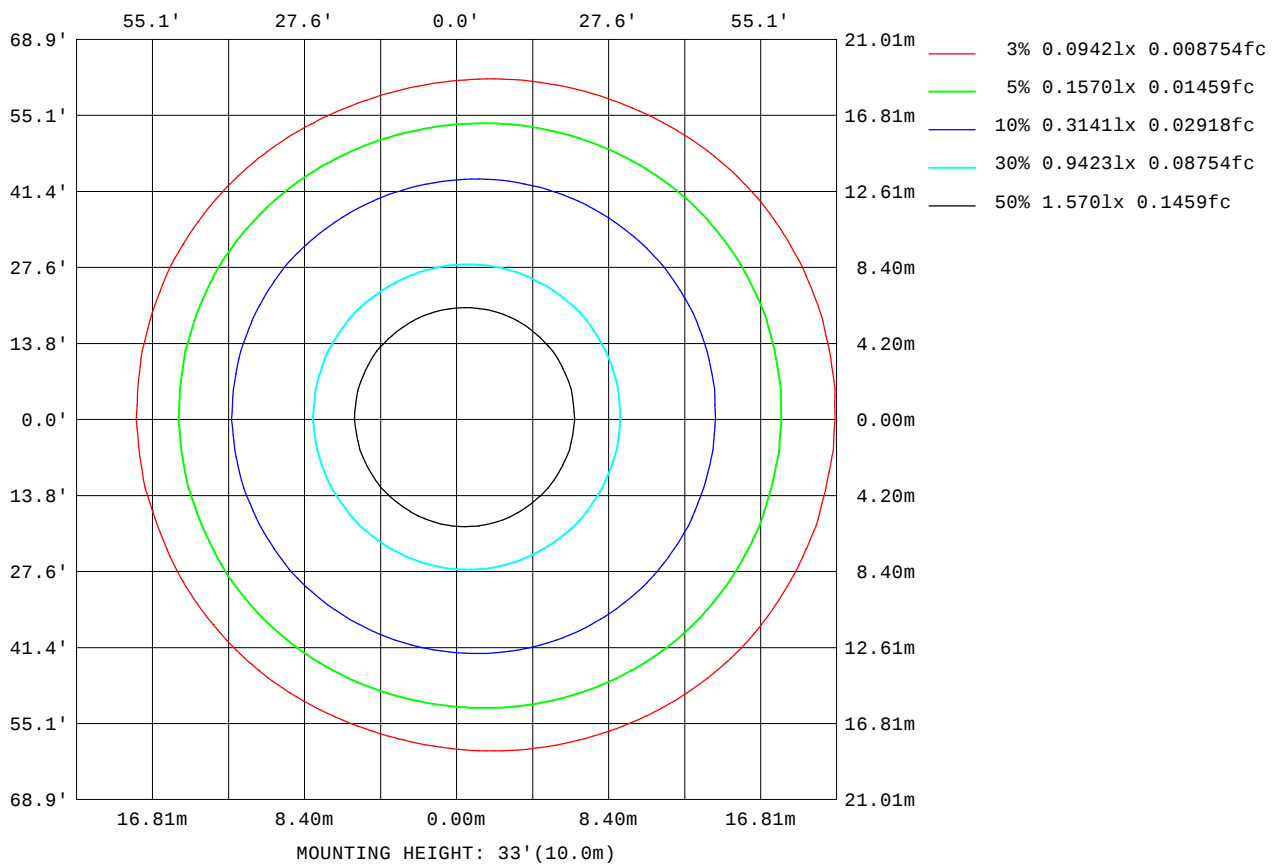


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-10

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:221.0V I:0.0627A P:7.309W PF:0.5278 Lamp Flux:769.429x1 lm		
NAME: 8.02.003.0427 LLS-COVE1-W40-L3-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700022
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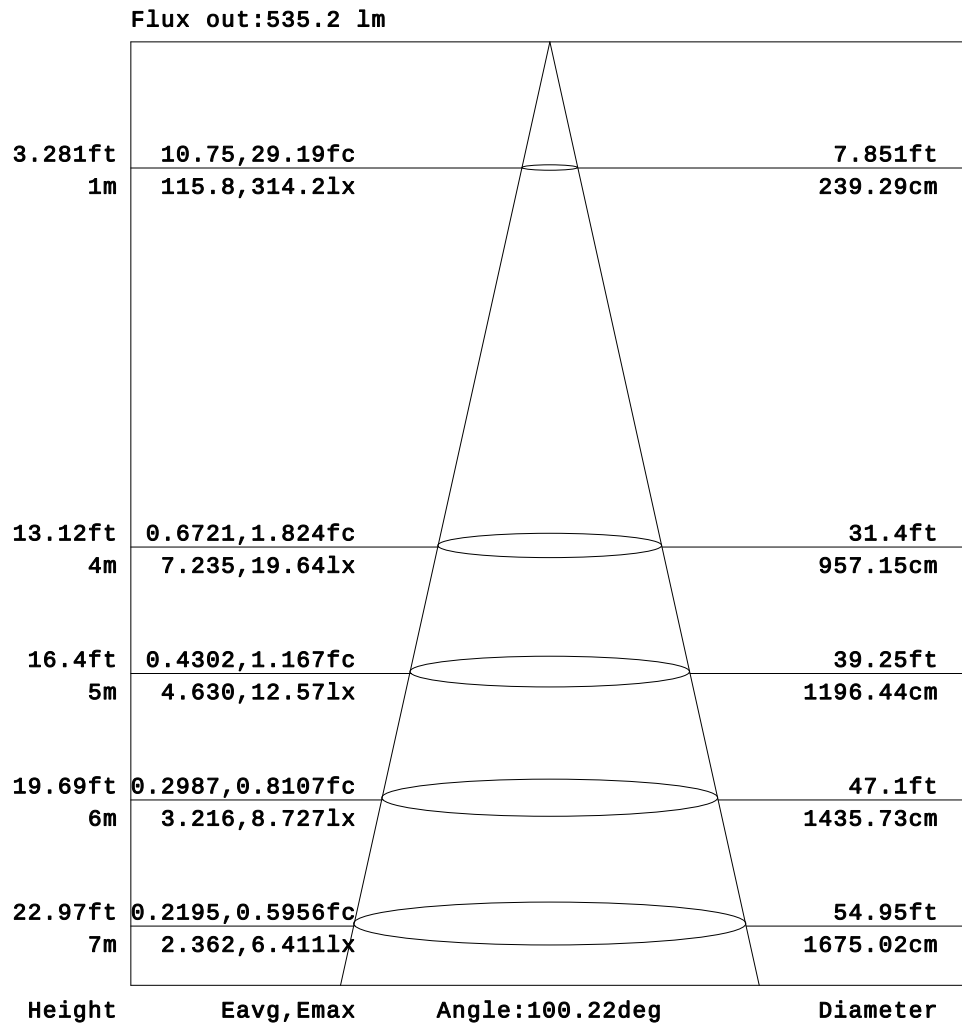


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-10

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:221.0V I:0.0627A P:7.309W PF:0.5278 Lamp Flux:769.429x1 lm		
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DIM.:	SPEC.:	SERIAL No.:20240700022
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

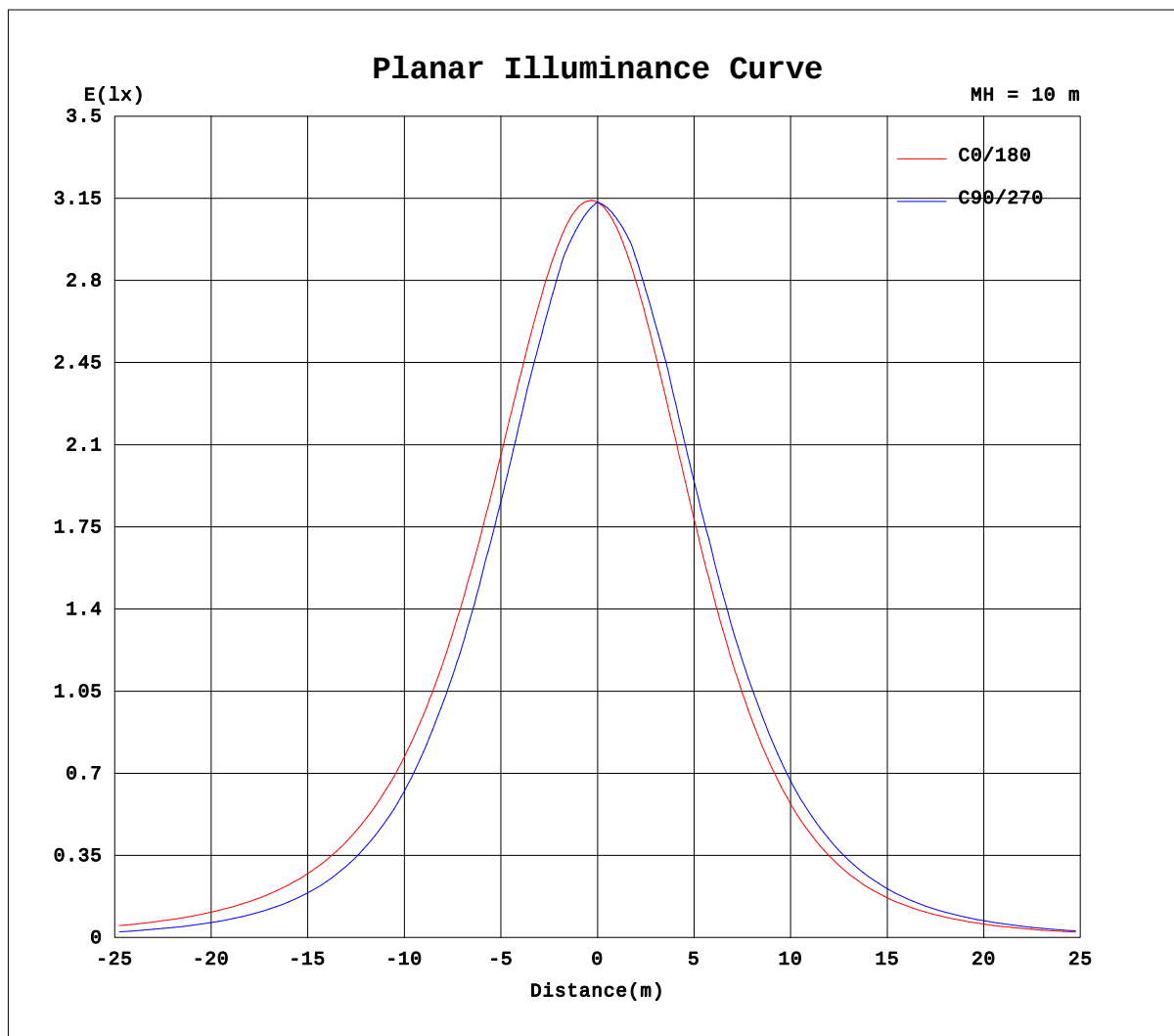


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-10

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

Planar Illuminance Curve



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Test Speed: HIGH
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Operators:QC1
Test Date:2024-07-10

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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DIM.:									SPEC.:			SERIAL No.:20240700022					
MFR.: TPK OPTOELECTRONIC TECH CO., LTD									SUR.:			PROTECTION ANGLE:					

Table--1

UNIT: cd

H(°) \ V(°)	-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	0.00	0.00	0.00	0.00	0.02	1.37	2.94	4.79	6.35	7.87	9.37	10.8	12.2	13.5	14.8	16.0	17.3	18.5	19.7
-70	0.00	0.00	0.00	0.00	0.05	2.74	5.88	9.59	12.7	15.7	18.7	21.6	24.4	27.1	29.6	32.1	34.5	37.0	39.5
-65	0.00	0.00	0.00	0.00	3.38	7.08	11.9	17.5	22.5	27.5	32.4	37.3	42.0	46.6	50.9	55.0	58.8	62.2	65.2
-60	0.00	0.00	0.00	0.00	6.71	11.4	18.0	25.5	32.3	39.2	46.1	52.9	59.7	66.2	72.2	77.9	83.0	87.4	91.0
-55	0.00	0.00	0.00	2.32	9.92	16.6	25.2	34.2	43.2	52.4	61.9	71.2	80.3	89.0	97.0	104	111	116	120
-50	0.00	0.00	0.00	4.64	13.1	21.8	32.4	43.0	54.1	65.7	77.6	89.5	101	112	122	131	138	144	149
-45	0.00	0.00	0.00	6.95	16.3	26.8	39.5	52.2	65.6	79.8	94.2	108	122	135	146	157	165	172	177
-40	0.00	0.00	0.00	9.27	19.4	31.9	46.6	61.4	77.1	93.8	111	127	143	158	171	183	192	199	204
-35	0.00	0.00	0.86	11.3	22.8	37.2	53.1	69.7	87.6	106	125	144	161	177	192	204	214	221	226
-30	0.00	0.00	1.72	13.3	26.2	42.6	59.5	78.0	98.0	119	140	160	179	197	212	225	235	243	249
-25	0.00	0.00	2.12	15.6	30.1	47.0	65.4	85.6	107	130	152	174	194	212	227	241	251	260	265
-20	0.00	0.00	2.52	17.8	34.0	51.5	71.4	93.2	117	141	165	187	208	227	243	257	268	276	281
-15	0.00	0.00	4.45	19.5	35.5	53.9	74.8	97.8	122	148	173	196	217	237	253	267	278	287	293
-10	0.00	0.00	6.38	21.1	37.1	56.4	78.2	102	128	155	181	205	227	246	263	278	289	298	304
-5	0.00	0.00	7.16	21.6	37.9	57.6	80.0	105	131	158	184	209	231	251	268	283	294	303	309
0	0.00	0.00	7.93	22.1	38.8	58.9	81.7	107	134	161	188	213	235	256	273	287	299	308	313
5	0.00	0.00	7.55	21.7	38.2	58.0	80.6	105	132	159	186	211	233	254	271	285	297	306	311
10	0.00	0.00	7.17	21.3	37.6	57.2	79.4	104	131	158	184	209	231	252	269	283	295	304	309
15	0.00	0.00	6.97	20.6	36.3	55.1	76.6	100	126	152	178	202	224	244	261	275	287	295	301
20	0.00	0.00	6.78	19.8	34.9	53.1	73.7	96.4	121	146	171	195	216	236	253	267	278	287	292
25	0.00	0.00	5.84	18.2	32.3	49.2	68.5	89.6	112	136	160	182	203	222	238	251	263	271	277
30	0.00	0.00	4.91	16.6	29.7	45.3	63.2	82.8	104	126	148	169	189	207	223	236	247	256	261
35	0.00	0.00	3.93	14.6	26.7	40.8	57.0	74.6	93.6	114	133	153	171	188	203	215	226	234	239
40	0.00	0.00	2.96	12.7	23.8	36.4	50.7	66.4	83.3	101	119	137	153	168	182	194	204	212	217
45	0.00	0.00	1.48	9.67	20.1	31.0	43.4	56.9	71.4	86.6	102	117	131	145	157	168	177	184	189
50	0.00	0.00	0.00	6.67	16.4	25.7	36.0	47.4	59.6	72.0	84.9	97.6	110	121	132	142	150	156	161
55	0.00	0.00	0.00	4.86	12.2	20.5	29.0	38.3	48.1	58.1	68.3	78.5	88.4	97.7	106	114	121	127	131
60	0.00	0.00	0.00	3.05	7.95	15.3	22.0	29.1	36.6	44.2	51.7	59.3	66.8	74.0	80.7	86.7	92.2	96.9	101
65	0.00	0.00	0.00	1.53	3.98	10.2	14.9	20.6	25.4	31.4	37.0	42.4	47.7	52.8	57.6	62.0	66.1	69.7	72.9
70	0.00	0.00	0.00	0.00	0.02	5.00	7.77	12.2	14.2	18.7	22.3	25.5	28.7	31.7	34.5	37.3	40.0	42.6	45.2
75	0.00	0.00	0.00	0.00	0.01	2.50	3.89	6.08	7.08	9.36	11.2	12.8	14.3	15.8	17.3	18.6	20.0	21.4	23.4
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	0.26	1.60
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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DIM.:	SPEC.:	SERIAL No.:20240700022
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

H(°) \ V(°)	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	1.79	3.99	6.48	9.12	11.8	14.3	16.5	18.3	19.7	20.5	20.8	20.7	20.1	19.2	12.3	2.77	0.00	0.00
-75	21.8	23.9	26.1	28.1	29.9	31.4	32.4	33.0	32.9	32.3	31.1	29.3	27.2	24.7	16.7	5.34	0.00	0.00
-70	41.8	43.9	45.7	47.0	48.0	48.5	48.3	47.6	46.2	44.0	41.3	37.9	34.2	30.1	21.0	7.90	0.00	0.00
-65	67.7	69.7	70.8	71.2	70.9	69.7	67.8	65.1	61.7	57.5	52.7	47.3	41.6	35.7	25.5	10.4	0.01	0.00
-60	93.7	95.4	95.9	95.4	93.7	91.0	87.3	82.6	77.2	71.1	64.1	56.7	49.0	41.2	30.1	12.9	0.01	0.00
-55	123	124	124	122	119	115	109	102	94.6	85.9	76.6	66.9	57.1	47.4	36.1	16.3	0.55	0.00
-50	152	153	152	150	145	139	131	122	112	101	89.1	77.2	65.3	53.5	42.1	19.6	1.08	0.00
-45	180	180	179	175	169	161	152	141	128	115	101	86.8	72.8	59.0	45.8	25.8	2.18	0.00
-40	207	208	205	200	193	184	172	159	145	129	113	96.5	80.3	64.5	49.6	31.9	3.27	0.00
-35	229	229	227	221	213	203	190	176	159	142	124	105	87.3	69.7	53.0	35.8	5.53	0.00
-30	251	251	248	242	233	222	208	192	174	155	135	114	94.3	74.8	56.4	39.8	7.78	0.00
-25	268	267	264	257	248	236	221	204	185	164	143	121	99.1	78.1	58.4	40.7	11.8	0.00
-20	284	284	280	273	263	250	234	216	196	174	151	127	104	81.4	60.5	41.7	15.8	0.00
-15	295	294	290	283	273	260	244	225	204	181	157	132	108	84.4	62.6	42.9	21.2	0.00
-10	306	305	301	294	283	270	253	234	212	188	163	137	112	87.5	64.6	44.1	26.6	0.00
-5	311	310	306	298	288	274	257	237	215	191	165	139	113	88.3	65.2	44.4	26.6	0.00
0	316	315	310	303	292	277	260	241	218	194	168	141	114	89.2	65.7	44.6	26.7	0.00
5	314	313	309	301	290	276	259	239	217	193	167	140	114	88.9	65.6	44.6	26.7	0.00
10	312	311	307	299	288	274	257	238	216	192	166	140	114	88.7	65.4	44.6	26.8	0.00
15	303	302	298	291	280	267	250	231	209	186	161	135	110	86.2	63.7	43.6	26.3	0.00
20	295	294	290	283	272	259	243	224	203	180	156	131	107	83.7	62.0	42.5	25.8	0.00
25	279	279	275	269	259	246	231	213	193	171	148	125	102	80.3	59.8	41.3	25.4	0.00
30	264	264	261	254	245	233	219	202	183	162	141	119	97.6	76.9	57.6	40.1	24.9	0.00
35	242	242	239	234	225	214	201	186	168	150	130	110	90.7	71.8	54.1	38.1	24.0	0.00
40	220	220	218	213	205	195	183	169	154	137	119	101	83.8	66.7	50.7	36.0	23.1	0.00
45	192	193	191	187	180	172	162	150	137	122	107	91.7	76.3	61.2	47.0	33.9	22.3	0.00
50	164	165	164	161	156	149	141	131	120	108	95.1	82.0	68.7	55.7	43.4	31.9	21.4	0.00
55	134	135	135	132	129	124	118	110	102	92.2	82.0	71.3	60.4	49.6	39.1	29.3	20.0	0.00
60	103	105	105	104	102	99.0	94.9	89.8	83.6	76.7	69.0	60.7	52.1	43.4	34.9	26.8	18.6	0.00
65	75.5	77.3	78.3	78.4	77.7	76.3	74.0	70.9	67.0	62.2	56.7	50.7	44.2	37.5	30.9	24.3	13.3	0.00
70	47.6	49.7	51.4	52.7	53.4	53.6	53.2	52.1	50.3	47.7	44.5	40.7	36.3	31.7	26.8	21.9	7.97	0.00
75	25.5	27.7	29.8	31.8	33.5	34.9	35.8	36.2	36.0	35.1	33.6	31.6	29.0	26.0	22.8	16.5	4.52	0.00
80	3.46	5.72	8.27	11.0	13.7	16.2	18.5	20.3	21.7	22.5	22.7	22.5	21.7	20.4	18.7	11.1	1.07	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:28.0DEG
Operators:QC1
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