

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	980.4 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	94.2V x 93.5H
	At 50% of Imax	58.3V x 58.8H
	At 90% of Imax	26.6V x 27.3H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	912.2 lumens per klm.
	To 50% of Imax	591.1 lumens per klm.
	To 90% of Imax	160.0 lumens per klm.

Upward LOR	0.6 %
Downward LOR	99.4 %

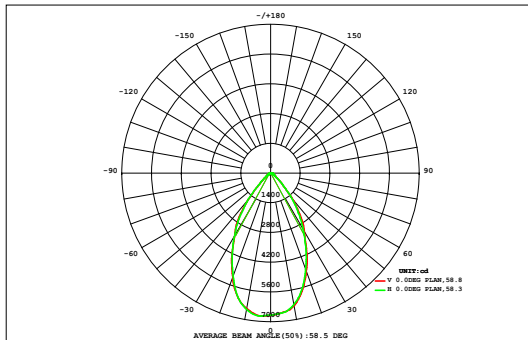
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-12-05

γ Range: 0 - 130DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity: 56%
Test Distance: 10.630m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.19V I:0.2535A P:53.320W PF:0.9553 Freq:49.99Hz Lamp Flux:345.478x20 lm		
NAME: SL0182-60D	TYPE:Flood Light	SERIAL No.:2019120402
	SUR.:	



DATA OF LAMP		Eff:129.59lm/W	
MODEL		Imax (cd)	6774
NOMINAL POWER(W)	53	AVAILABILITY(%)	91.2
RATED VOLTAGE (V)	220	Avai. FLUX(lm)	6299
NOMINAL FLUX(lm)	345.478	LOR(%)	100.0
LAMPS INSIDE	20	TOTAL FLUX(lm)	6910
TEST VOLTAGE (V)	220.219	θ @50% (H,V)	59,58DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.04	0.08	0.12	0.18	0.23	0.28	0.31	0.33	0.32	0.29	0.25	0.20	0.14	0.10	0.06	0.03	0.01	2.95	0.00
90	0.01	0.04	0.08	0.12	0.18	0.23	0.28	0.31	0.33	0.32	0.29	0.25	0.20	0.14	0.10	0.06	0.03	0.01	2.95	0.00
80	0.02	0.08	0.21	0.41	0.67	0.94	1.19	1.40	1.53	1.51	1.34	1.12	0.87	0.60	0.35	0.16	0.05	0.01	12.5	0.00
70	0.02	0.13	0.40	0.85	1.44	2.10	2.75	3.31	3.59	3.56	3.23	2.69	2.00	1.34	0.77	0.35	0.10	0.01	28.7	0.00
60	0.03	0.20	0.63	1.38	2.49	3.81	5.23	6.43	7.16	7.08	6.25	5.07	3.65	2.34	1.30	0.57	0.17	0.02	53.8	0.00
50	0.03	0.27	0.88	2.01	3.77	7.55	13.8	21.3	26.9	26.9	20.9	13.0	6.95	3.63	1.92	0.81	0.23	0.02	151	75.4
40	0.04	0.34	1.13	2.59	6.43	17.2	36.8	59.1	73.8	74.6	60.1	36.9	16.1	5.83	2.56	1.06	0.30	0.03	395	359
30	0.04	0.40	1.37	3.23	11.0	33.3	68.5	104	126	128	108	71.6	33.5	9.78	3.14	1.30	0.35	0.03	703	676
	0.05	0.45	1.56	4.15	16.2	50.0	95.9	146	175	177	152	102	52.5	14.8	3.77	1.49	0.40	0.04	994	971
	0.05	0.47	1.66	4.87	19.9	59.5	109	166	198	201	173	117	63.5	18.7	4.30	1.61	0.42	0.04	1140	1119
	0.05	0.47	1.66	4.91	19.9	59.0	108	164	195	198	172	117	62.9	18.9	4.40	1.61	0.42	0.04	1126	1104
	0.05	0.45	1.57	4.26	16.3	48.7	91.5	140	167	169	145	98.9	51.0	15.5	3.99	1.50	0.40	0.04	955	932
	0.05	0.41	1.40	3.32	11.4	32.5	64.9	97.4	117	118	99.5	67.9	32.8	10.6	3.28	1.31	0.36	0.03	662	635
-30	0.04	0.35	1.17	2.62	6.85	17.7	35.9	55.3	67.8	68.5	56.7	36.2	16.9	6.40	2.59	1.08	0.30	0.03	377	341
-40	0.03	0.28	0.92	2.07	3.89	8.32	15.1	22.8	28.0	27.9	22.2	14.0	7.51	3.76	1.95	0.84	0.24	0.02	160	86.4
-50	0.03	0.21	0.67	1.45	2.57	3.95	5.64	7.29	8.30	8.08	6.76	5.14	3.77	2.47	1.35	0.60	0.18	0.02	58.5	0.00
-60	0.02	0.14	0.43	0.91	1.55	2.28	2.99	3.46	3.68	3.66	3.40	2.87	2.18	1.46	0.82	0.37	0.11	0.01	30.4	0.00
-70	0.02	0.08	0.23	0.47	0.77	1.07	1.35	1.59	1.75	1.76	1.59	1.30	1.00	0.69	0.40	0.18	0.06	0.01	14.3	0.00
-80	0.01	0.04	0.09	0.15	0.23	0.30	0.37	0.42	0.45	0.44	0.40	0.33	0.26	0.19	0.12	0.06	0.03	0.01	3.91	0.00
-90	0.01	0.04	0.09	0.15	0.23	0.30	0.37	0.42	0.45	0.44	0.40	0.33	0.26	0.19	0.12	0.06	0.03	0.01	3.91	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.59	4.82	16.0	39.8	126	348	660	1000	1200	1214	1033	693	358	117	37.1	15.0	4.17	0.43	6867	---
Φ a	0.00	0.00	0.00	0.00	61.3	303	619	962	1163	1177	995	654	313	51.7	0.00	0.00	0.00	0.00	---	6299

one-half-peak spread: U:28.4,D:26.3 , L:32.8,R:26.4

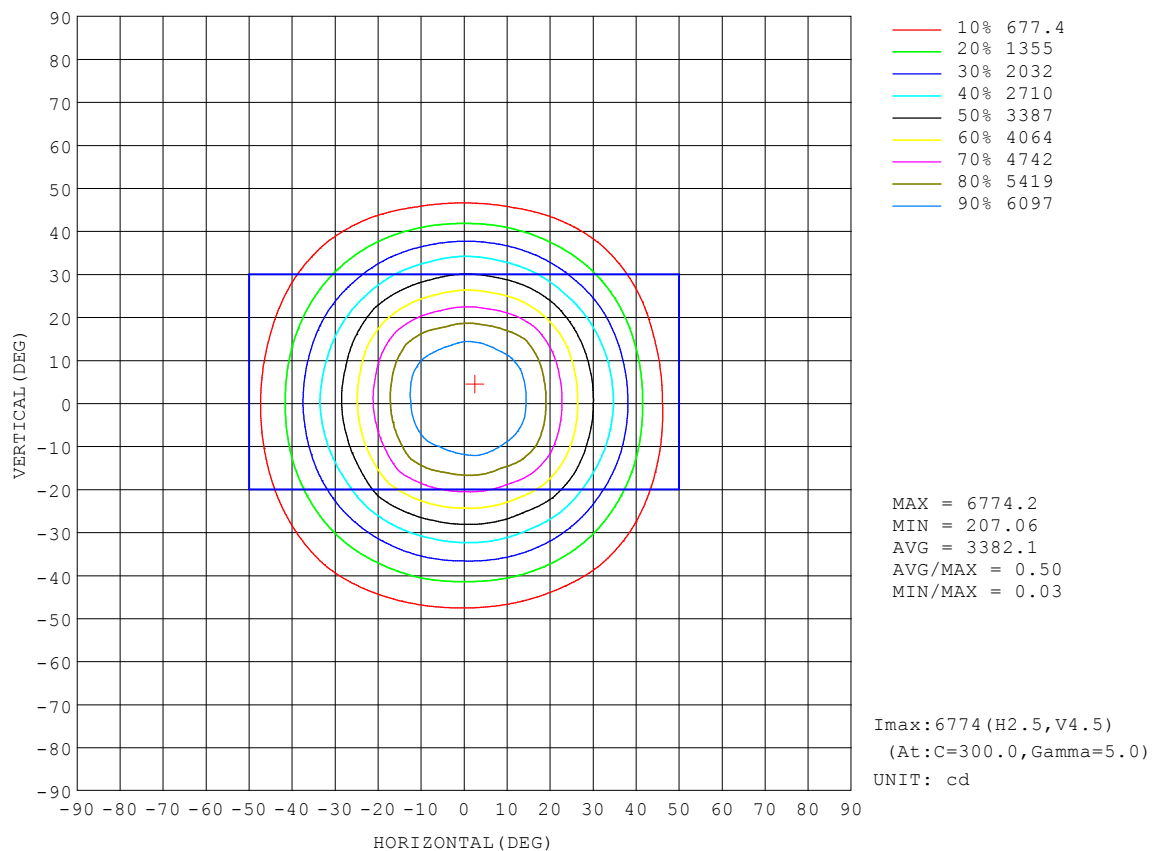
NEMA Beam Type: Type 5

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-12-05

γ Range: 0 - 130DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:56%
 Test Distance:10.630m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

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	SUR.:	

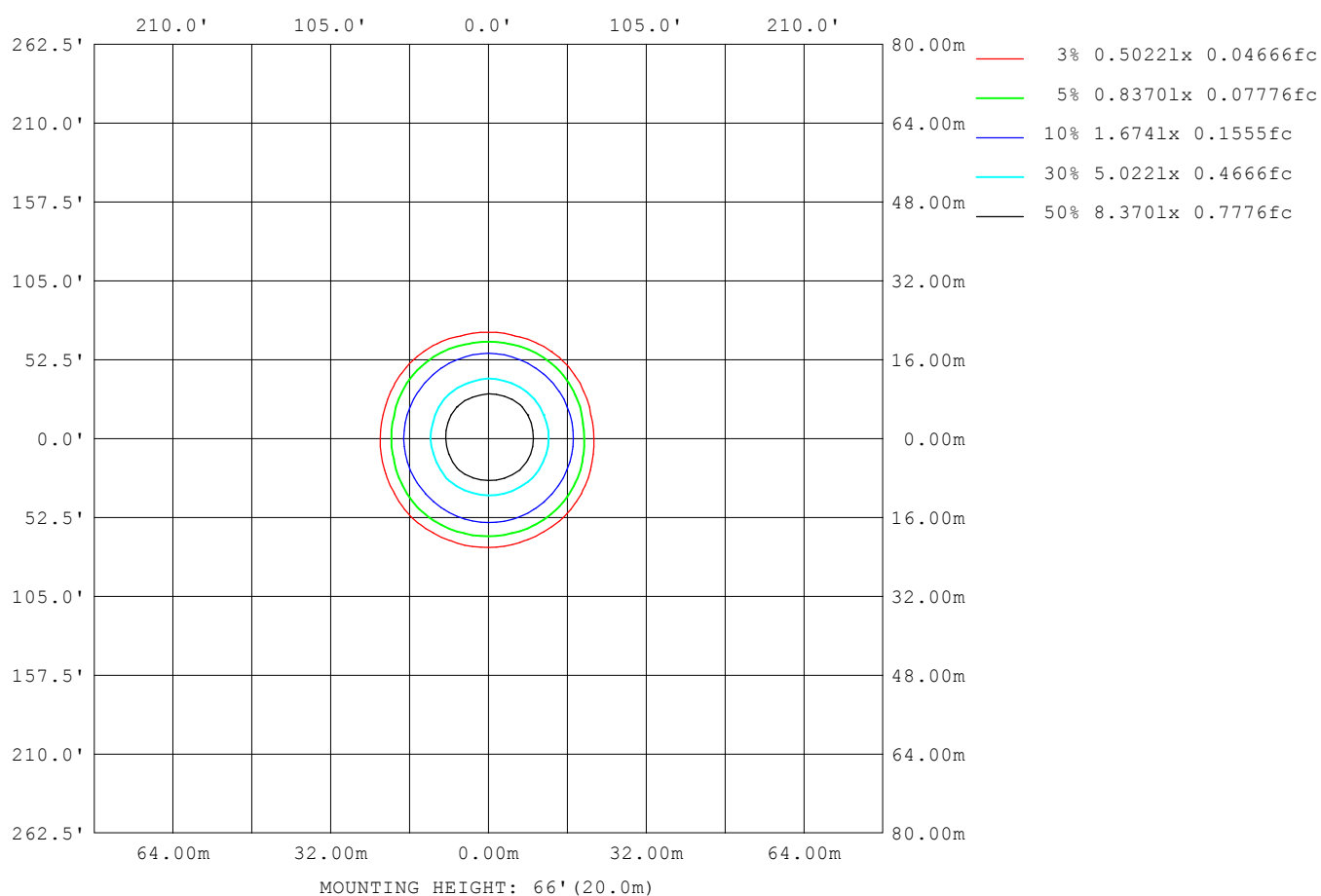


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ISOLUX DIAGRAM

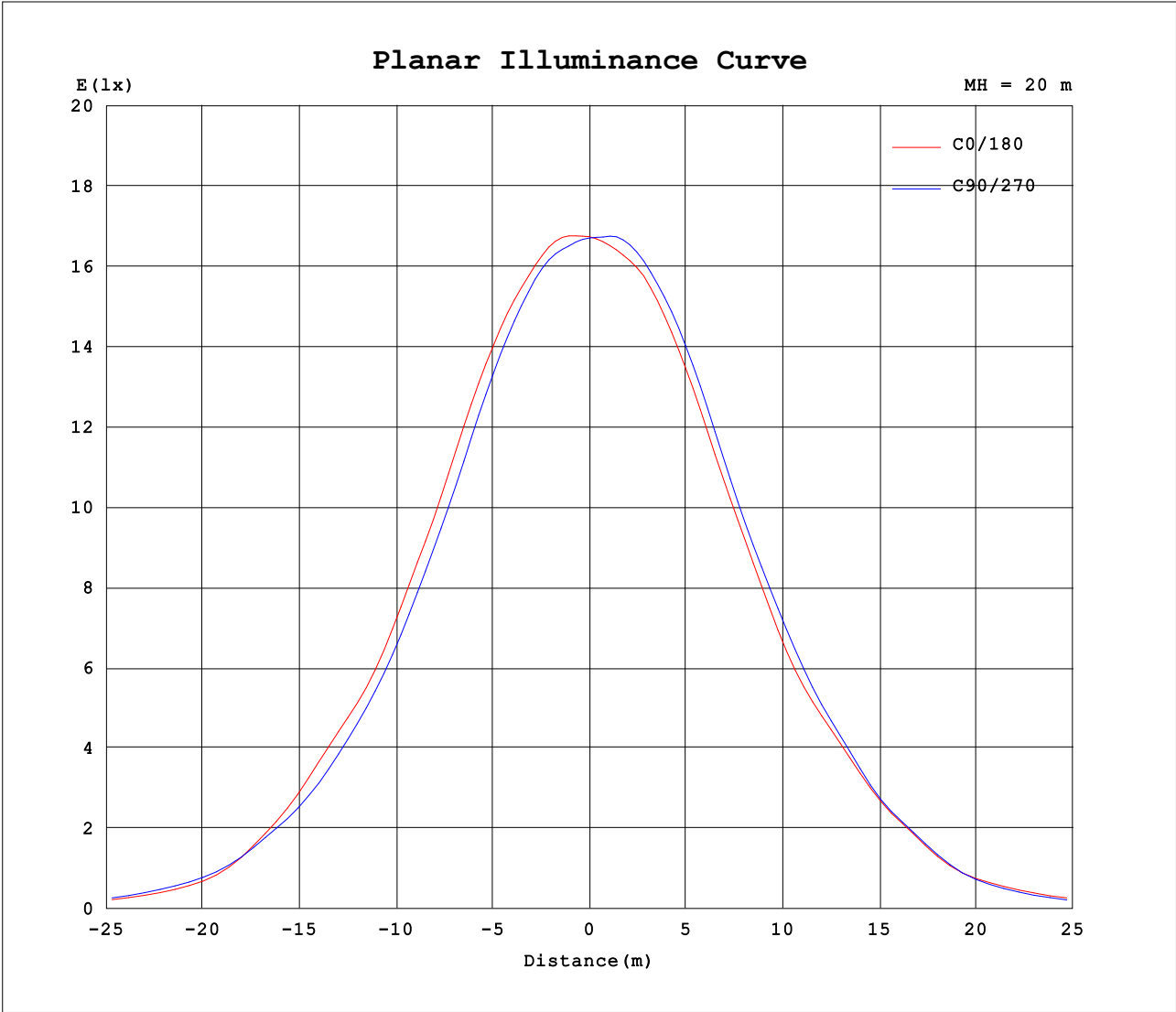
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Remarks:

Planar Illuminance Curve



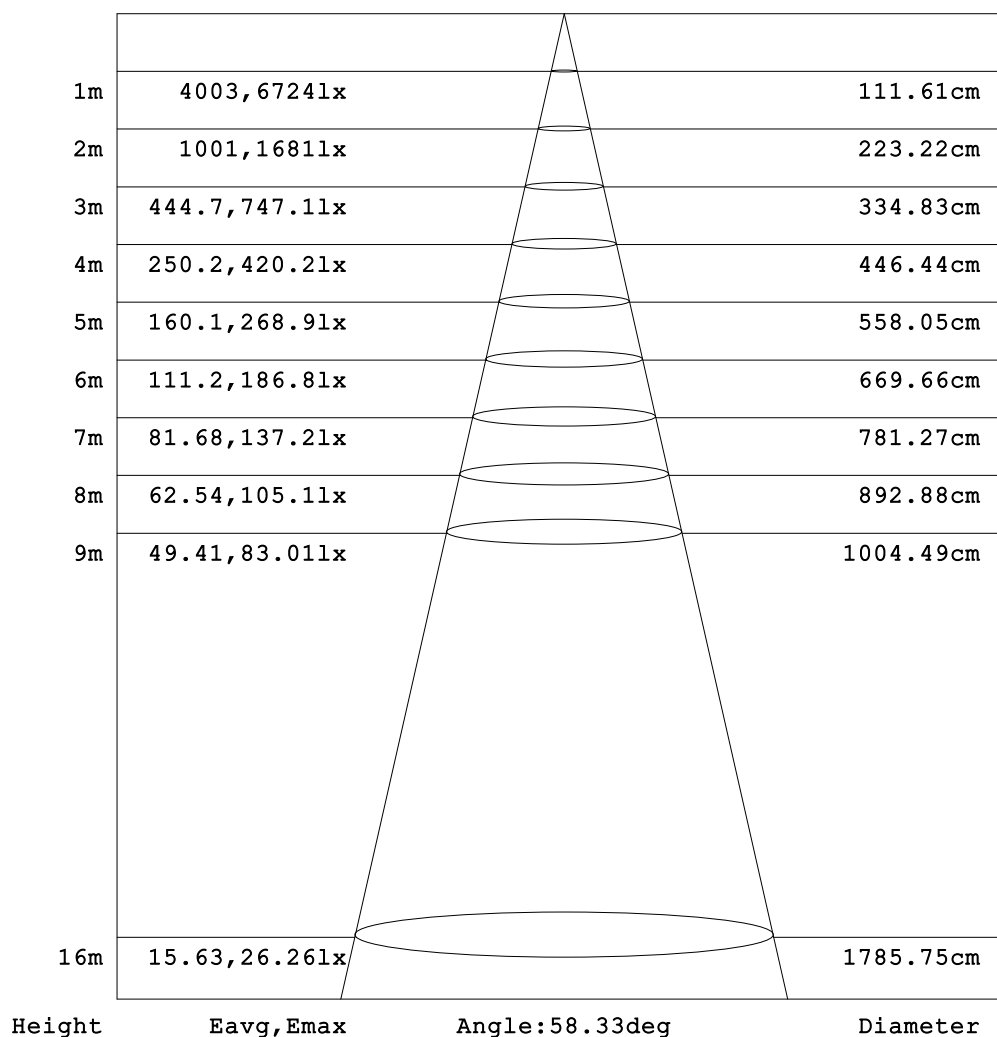
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AAI Figure

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NAME: SL0182-60D	TYPE:Flood Light	SERIAL No.:2019120402
	SUR.:	

Flux out:4191 lm



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

C Range: 0 - 360DEG
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 Test Speed: HIGH
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 Operators:
 Test Date: 2019-12-05

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 γ Interval: 1.0DEG
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LUMINOUS DISTRIBUTION INTENSITY DATA

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NAME: SL0182-60D	TYPE:Flood Light	SERIAL No.:2019120402
	SUR.:	

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
-180	3.90	3.63	4.63	6.71	9.64	13.5	18.0	23.3	28.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-170	3.90	3.58	4.46	6.31	8.93	12.4	16.6	21.5	27.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-160	3.90	3.51	4.22	5.72	7.89	10.7	14.2	18.5	23.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-150	3.90	3.43	3.95	5.03	6.65	8.73	11.5	15.3	19.7	24.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-140	3.90	3.35	3.67	4.30	5.35	6.92	9.22	12.0	15.2	18.6	22.2	25.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-130	3.90	3.28	3.42	3.67	4.24	5.43	6.90	8.70	10.7	12.9	15.2	17.5	19.8	21.9	23.7	25.2	26.3	26.9	27.1
-120	3.90	3.23	3.22	3.24	3.49	4.10	4.91	5.89	6.95	8.12	9.34	10.6	11.8	12.9	13.8	14.5	15.1	15.5	15.6
-110	3.90	3.25	3.07	2.97	3.09	3.28	3.56	3.90	4.29	4.74	5.23	5.73	6.21	6.61	6.98	7.27	7.50	7.65	7.71
-100	3.90	3.39	3.07	2.85	2.89	2.97	3.07	3.13	3.19	3.24	3.29	3.35	3.41	3.45	3.50	3.54	3.57	3.58	3.58
-90	3.90	3.78	3.67	3.55	3.58	3.60	3.63	3.67	3.70	3.74	3.71	3.69	3.66	3.65	3.63	3.62	3.58	3.53	3.49
-80	3.90	4.70	5.73	7.14	8.98	11.1	13.4	15.9	18.5	21.0	23.1	24.8	26.3	27.9	29.3	30.4	31.4	32.1	32.5
-70	3.90	5.80	8.95	13.2	18.7	24.8	31.3	38.1	45.2	52.1	58.3	63.7	68.6	73.7	78.4	82.3	85.7	88.1	89.4
-60	3.90	7.15	13.0	21.1	30.7	41.6	53.3	65.7	79.5	93.6	108	123	135	145	149	150	151	151	149
-50	3.90	8.60	17.5	29.6	43.7	60.0	78.3	100	122	144	169	209	261	318	377	434	478	502	504
-40	3.90	10.00	22.0	37.9	56.7	78.5	106	135	161	221	333	486	647	838	1048	1257	1432	1537	1579
-30	3.90	11.3	26.0	45.4	68.7	97.5	131	156	236	404	623	948	1373	1807	2208	2565	2833	3007	3083
-20	3.90	12.3	29.1	51.3	78.7	115	147	192	357	615	1013	1633	2261	2856	3580	4111	4505	4750	4832
-10	3.90	12.9	31.2	55.2	86.0	127	153	239	459	793	1462	2201	2904	3664	4533	5326	5912	6136	6290
0	3.90	13.1	31.9	56.6	89.0	132	156	256	494	858	1656	2462	3178	4023	4927	5755	6342	6588	6696
10	3.90	12.8	31.0	54.8	85.3	126	154	235	451	789	1466	2247	2967	3789	4692	5509	6092	6336	6517
20	3.90	12.2	28.8	50.6	77.6	113	146	187	340	596	1030	1671	2382	3025	3758	4330	4782	5018	5164
30	3.90	11.1	25.5	44.4	67.2	94.9	128	157	222	384	602	959	1404	1891	2362	2787	3079	3286	3397
40	3.90	9.83	21.4	36.7	54.8	76.0	102	132	161	207	306	438	607	810	1051	1288	1493	1628	1691
50	3.90	8.43	16.9	28.3	41.7	57.5	75.2	95.2	118	142	166	195	233	279	320	358	390	415	420
60	3.90	7.00	12.4	19.9	28.8	39.1	50.4	62.4	74.9	88.7	104	116	128	138	147	152	155	157	157
70	3.90	5.68	8.51	12.2	17.1	22.6	28.5	34.6	40.9	47.1	52.6	57.6	62.0	66.7	71.4	75.5	78.5	80.3	81.1
80	3.90	4.63	5.48	6.59	8.04	9.68	11.5	13.4	15.3	17.1	18.8	20.2	21.4	22.6	23.6	24.4	25.2	25.7	26.0
90	3.90	3.80	3.69	3.58	3.55	3.51	3.47	3.43	3.39	3.36	3.32	3.28	3.25	3.19	3.13	3.07	3.06	3.06	3.05
100	3.90	3.50	3.37	3.38	3.46	3.57	3.66	3.73	3.80	3.89	3.96	4.04	4.11	4.18	4.26	4.31	4.35	4.37	4.37
110	3.90	3.39	3.44	3.64	3.87	4.18	4.54	4.97	5.45	5.96	6.47	6.97	7.44	7.88	8.26	8.57	8.78	8.90	8.92
120	3.90	3.39	3.63	4.00	4.58	5.34	6.29	7.33	8.50	9.71	10.9	12.1	13.2	14.2	15.1	15.8	16.3	16.6	16.6
130	3.90	3.43	3.83	4.52	5.59	6.99	8.63	10.5	12.5	14.6	16.8	18.8	20.8	22.6	24.2	25.5	26.5	27.0	27.2
140	3.90	3.48	4.06	5.11	6.75	8.80	11.2	14.0	17.0	20.1	23.4	26.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	3.90	3.54	4.28	5.73	7.86	10.6	13.8	17.5	21.5	25.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	3.90	3.59	4.47	6.24	8.79	12.0	16.0	20.4	25.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	3.90	3.62	4.59	6.59	9.41	13.1	17.5	22.5	27.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	3.90	3.63	4.63	6.71	9.64	13.5	18.0	23.3	28.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	SUR.:	

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	
-180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.0	20.1	14.8	10.6	7.41	5.10	3.54	2.89	2.61	
-170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.2	19.4	14.4	10.4	7.26	5.01	3.52	2.89	2.61	
-160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.7	17.6	13.1	9.56	6.77	4.76	3.43	2.87	2.61	
-150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.6	19.0	14.8	11.2	8.33	6.04	4.38	3.31	2.84	2.61	
-140	0.00	0.00	0.00	0.00	0.00	0.00	25.0	21.5	18.0	14.7	11.7	9.07	6.87	5.18	3.95	3.17	2.79	2.61	
-130	26.8	26.0	24.8	23.3	21.5	19.3	17.1	14.8	12.6	10.5	8.58	6.85	5.44	4.31	3.51	3.07	2.75	2.61	
-120	15.5	15.0	14.4	13.6	12.7	11.6	10.4	9.22	8.04	6.91	5.89	4.97	4.18	3.58	3.20	2.95	2.70	2.61	
-110	7.64	7.48	7.24	6.95	6.60	6.20	5.74	5.25	4.78	4.35	3.96	3.63	3.35	3.17	3.01	2.80	2.66	2.61	
-100	3.60	3.60	3.58	3.53	3.47	3.42	3.35	3.30	3.24	3.19	3.16	3.13	3.02	2.89	2.77	2.68	2.62	2.61	
-90	3.43	3.38	3.33	3.26	3.18	3.11	3.06	3.01	2.95	2.92	2.89	2.86	2.81	2.77	2.72	2.68	2.65	2.61	
-80	31.9	31.0	29.7	28.0	26.1	24.0	22.2	20.2	18.0	15.4	12.8	10.3	8.35	6.54	5.02	3.81	2.93	2.61	
-70	88.3	86.3	82.8	77.6	71.5	65.7	60.3	54.4	47.8	40.7	33.6	26.9	20.7	14.9	10.1	6.28	3.66	2.61	
-60	149	148	146	144	139	129	118	105	89.5	74.3	60.5	48.0	36.5	26.1	17.0	9.66	4.67	2.61	
-50	491	456	401	337	275	231	192	164	140	116	92.7	72.2	54.1	38.3	24.8	13.5	5.79	2.61	
-40	1549	1447	1263	1037	808	609	437	306	214	161	128	98.6	72.5	50.6	32.5	17.4	6.93	2.61	
-30	3048	2890	2627	2296	1868	1388	931	590	365	226	162	124	90.5	62.4	39.5	21.0	7.99	2.61	
-20	4789	4567	4228	3727	3058	2364	1669	1008	566	318	192	147	107	72.4	45.1	23.8	8.82	2.61	
-10	6258	6006	5605	4885	4015	3130	2371	1462	735	401	219	161	119	79.2	48.9	25.6	9.31	2.61	
0	6730	6479	6025	5234	4339	3397	2668	1670	782	419	228	167	124	82.1	50.3	26.1	9.46	2.61	
10	6458	6198	5751	4965	4079	3198	2413	1470	706	378	211	161	119	78.9	48.6	25.4	9.25	2.61	
20	5093	4912	4525	3933	3199	2511	1728	984	528	281	184	146	106	71.7	44.5	23.4	8.71	2.61	
30	3336	3162	2879	2442	1948	1419	915	548	328	207	161	123	89.5	61.4	38.6	20.5	7.84	2.61	
40	1627	1493	1281	1034	784	564	393	277	199	160	127	97.1	70.8	49.2	31.4	16.8	6.76	2.61	
50	410	379	340	299	258	219	186	160	136	113	90.5	69.9	52.2	36.6	23.6	12.9	5.64	2.61	
60	157	154	151	145	137	124	110	96.0	82.8	69.8	57.5	45.7	34.4	24.4	15.8	9.08	4.54	2.61	
70	79.2	76.2	72.4	68.9	64.5	59.6	54.5	49.0	43.1	36.9	30.7	24.6	18.7	13.4	9.10	5.86	3.57	2.61	
80	25.2	24.2	23.0	22.0	20.8	19.4	17.8	16.0	14.2	12.4	10.5	8.82	7.13	5.72	4.57	3.61	2.89	2.61	
90	3.04	3.03	3.01	3.02	3.03	3.04	3.06	3.09	3.11	3.08	3.06	3.04	2.99	2.95	2.91	2.81	2.71	2.61	
100	4.37	4.36	4.32	4.26	4.19	4.11	4.03	3.95	3.86	3.79	3.72	3.66	3.48	3.33	3.16	2.91	2.71	2.61	
110	8.89	8.77	8.55	8.23	7.84	7.40	6.94	6.43	5.92	5.43	4.95	4.51	4.14	3.82	3.50	3.08	2.77	2.61	
120	16.5	16.2	15.7	14.9	14.0	13.0	11.9	10.7	9.56	8.37	7.24	6.23	5.32	4.54	3.83	3.25	2.82	2.61	
130	26.9	26.2	25.2	23.9	22.2	20.4	18.4	16.4	14.2	12.2	10.2	8.45	6.88	5.55	4.25	3.38	2.86	2.61	
140	0.00	0.00	0.00	0.00	0.00	0.00	25.9	22.8	19.6	16.5	13.6	10.9	8.60	6.46	4.68	3.50	2.90	2.61	
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.9	20.8	16.9	13.4	9.99	7.15	5.03	3.60	2.92	2.61	
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.5	19.5	14.8	10.8	7.60	5.24	3.65	2.93	2.61	
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.1	20.4	15.3	11.0	7.69	5.26	3.63	2.92	2.61	
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.0	20.1	14.8	10.6	7.41	5.10	3.54	2.89	2.61	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-12-05

γ Range: 0 - 130DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:56%
Test Distance:10.630m [K=1.0000]
Remarks: