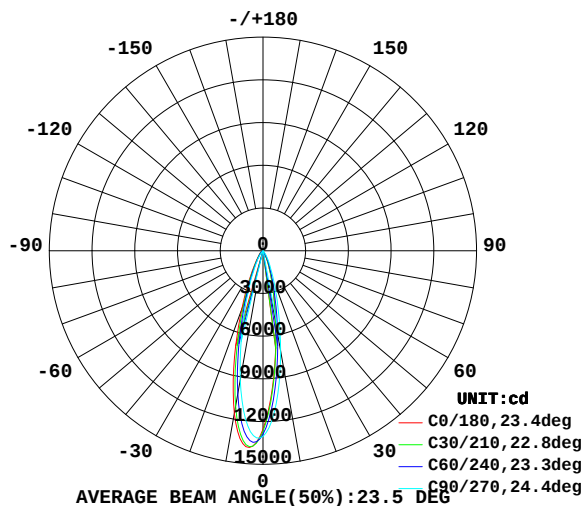


LUMINAIRE PHOTOMETRIC TEST REPORT

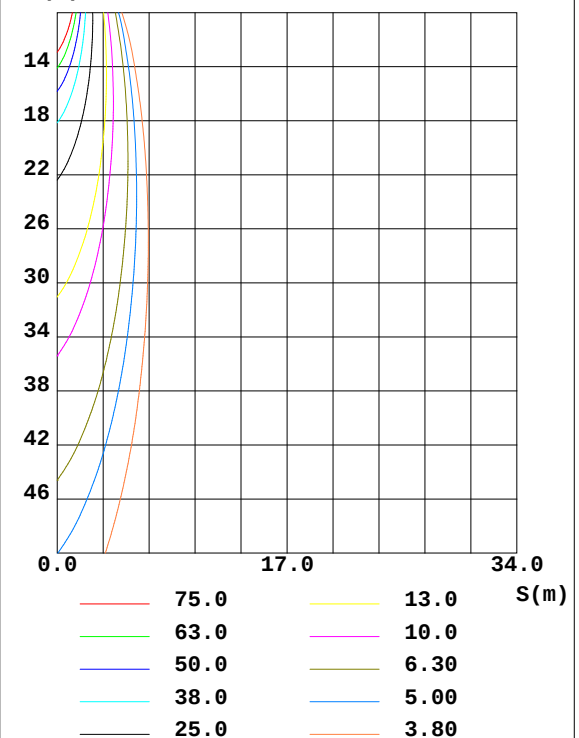
Test:U:24.00V I:1.876A P:45.01W PF:1.000 Lamp Flux:3518.99x1 lm		
NAME:Cobra-1200mm-3000K-20D-Rev1	TYPE:3000K	WEIGHT:
DIM.:20 DEG	SPEC.:1200MM	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.18 lm/W			
MODEL		I _{max} (cd)	13886	S/MH(C0/180)	0.28
NOMINAL POWER(W)	45	LOR(%)	100.0	S/MH(C90/270)	0.37
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	3519.0	η UP, DN(C0-180)	0.9, 43.3
NOMINAL FLUX(lm)	3518.99	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.5, 55.3
LAMPS INSIDE	1	η up(%)	1.4	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	24.0	η down(%)	98.6	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QIU
 Test Date:2022-11-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:6.826m [K=1.0000]
 Remarks: Cobra-1200mm-3000K-20D-Rev1

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	509.8	556.1	713.9	952.9	1160	1056	919.2	709.4	0- 10	988.2	988.2	28.1, 28.1
20	131.3	147.0	215.2	334.6	440.1	363.5	305.1	207.6	10- 20	1365	2353	66.9, 66.9
30	10.27	18.16	65.04	99.63	126.7	104.2	84.33	42.31	20- 30	657.0	3010	85.5, 85.5
40	0.4836	0.9457	7.193	41.34	48.81	41.97	20.03	2.038	30- 40	236.6	3247	92.3, 92.3
50	0.0120	0.1065	1.417	22.45	25.94	22.82	1.959	0.2197	40- 50	106.6	3353	95.3, 95.3
60	0.0039	0.0048	0.4518	13.28	15.88	13.98	0.6764	0.0188	50- 60	61.29	3414	97, 97
70	0.0035	0.0035	0.0876	6.086	8.744	6.877	0.1687	0.0052	60- 70	36.05	3450	98.1, 98.1
80	0.0071	0.0065	0.0161	1.671	3.063	1.983	0.0329	0.0052	70- 80	15.95	3466	98.5, 98.5
90	0.0286	0.0194	0.0045	0.2354	0.6761	0.3132	0.0035	0.0077	80- 90	4.504	3471	98.6, 98.6
100	0.0831	0.0591	0.0064	0.0096	0.0392	0.0139	0.0052	0.0241	90-100	0.6825	3472	98.7, 98.7
110	0.1770	0.1317	0.0155	0.0084	0.0116	0.0084	0.0103	0.0640	100-110	0.3739	3472	98.7, 98.7
120	0.3039	0.2329	0.0457	0.0168	0.0100	0.0074	0.0268	0.1325	110-120	0.6508	3473	98.7, 98.7
130	0.5480	0.4065	0.1437	0.0636	0.0191	0.0238	0.0712	0.2452	120-130	1.131	3474	98.7, 98.7
140	1.207	0.8283	0.4826	0.2811	0.0725	0.0979	0.2248	0.4663	130-140	2.180	3476	98.8, 98.8
150	3.362	2.035	1.440	1.379	0.3855	0.4762	0.7781	0.9756	140-150	4.824	3481	98.9, 98.9
160	9.404	5.304	4.448	4.638	1.461	1.938	2.384	2.665	150-160	10.61	3491	99.2, 99.2
170	15.01	11.41	11.16	11.30	4.406	5.964	7.273	8.108	160-170	17.11	3508	99.7, 99.7
180	10.60	12.89	14.11	14.82	10.66	12.92	14.09	14.81	170-180	10.52	3519	100, 100
DEG	LUMINOUS INTENSITY: ×10cd									UNIT: lm		

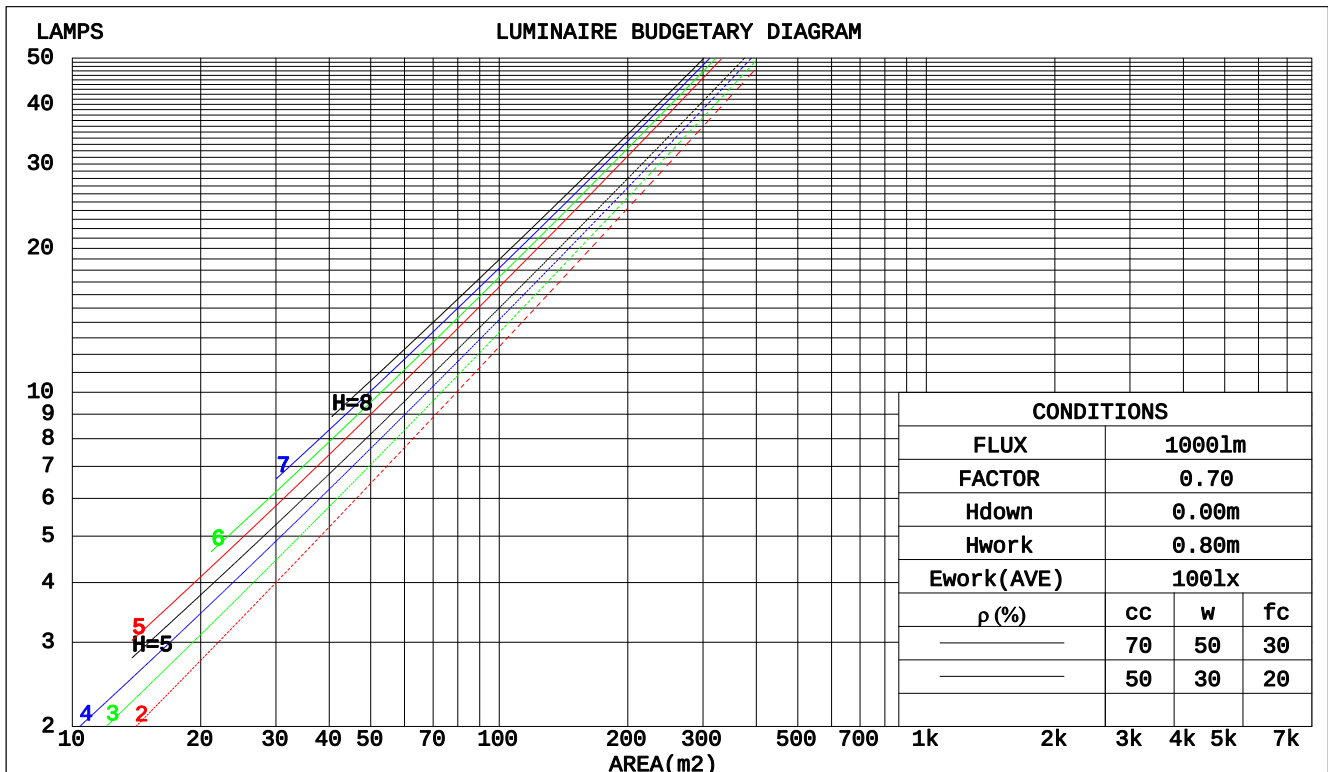
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QIU
 Test Date: 2022-11-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.276
 Humidity: 65.0%
 Test Distance: 6.826m [K=1.0000]
 Remarks: Cobra-1200mm-3000K-20D-Rev1

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:1.876A P:45.01W PF:1.000 Lamp Flux:3518.99x1 lm		
NAME:Cobra-1200mm-3000K-20D-Rev1	TYPE:3000K	WEIGHT:
DIM.:20 DEG	SPEC.:1200MM	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QIU
Test Date:2022-11-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:6.826m [K=1.0000]
Remarks: Cobra-1200mm-3000K-20D-Rev1

WEC AND CCEC

Test:U:24.00V I:1.876A P:45.01W PF:1.000 Lamp Flux:3518.99x1 lm									
NAME:Cobra-1200mm-3000K-20D-Rev1					TYPE: 3000K			WEIGHT:	
DIM.:20 DEG					SPEC.:1200MM			SERIAL No.:	
MFR.:					SUR.:			PROTECTION ANGLE:	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.157	.089	.028	.150	.086	.027	.137	.078	.025	.125	.072	.023	.113	.066	.021	
2.0	.147	.081	.025	.141	.078	.024	.130	.072	.022	.120	.067	.021	.110	.062	.020	
3.0	.138	.073	.022	.133	.071	.021	.123	.067	.020	.115	.063	.019	.106	.059	.018	
4.0	.129	.067	.020	.125	.065	.019	.117	.062	.019	.109	.059	.018	.102	.056	.017	
5.0	.122	.062	.018	.118	.061	.018	.111	.058	.017	.105	.055	.016	.099	.053	.016	
6.0	.115	.058	.017	.112	.057	.016	.106	.054	.016	.100	.052	.015	.095	.050	.015	
7.0	.109	.054	.015	.106	.053	.015	.101	.051	.015	.096	.049	.014	.091	.047	.014	
8.0	.104	.051	.014	.101	.050	.014	.097	.048	.014	.092	.047	.013	.088	.045	.013	
9.0	.099	.048	.013	.097	.047	.013	.093	.046	.013	.089	.044	.013	.085	.043	.012	
10.0	.095	.045	.013	.093	.045	.013	.089	.044	.012	.085	.042	.012	.082	.041	.012	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.201	.201	.201	.172	.172	.172	.117	.117	.117	.067	.067	.067	.022	.022	.022	
1.0	.180	.168	.157	.154	.144	.135	.105	.099	.093	.061	.057	.054	.019	.018	.018	
2.0	.164	.143	.126	.140	.123	.109	.096	.085	.076	.055	.050	.045	.018	.016	.015	
3.0	.150	.124	.104	.128	.107	.090	.088	.074	.063	.051	.043	.037	.016	.014	.012	
4.0	.138	.109	.087	.118	.094	.075	.081	.066	.053	.047	.038	.031	.015	.013	.010	
5.0	.128	.097	.074	.110	.084	.064	.076	.059	.045	.044	.034	.027	.014	.011	.009	
6.0	.120	.087	.064	.103	.076	.056	.071	.053	.039	.041	.031	.023	.013	.010	.008	
7.0	.112	.079	.056	.097	.069	.049	.067	.048	.035	.039	.028	.021	.013	.009	.007	
8.0	.106	.073	.050	.091	.063	.044	.063	.044	.031	.037	.026	.018	.012	.009	.006	
9.0	.101	.067	.045	.087	.058	.039	.060	.041	.028	.035	.024	.017	.011	.008	.005	
10.0	.096	.063	.041	.082	.054	.036	.057	.038	.025	.033	.023	.015	.011	.007	.005	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QIU
Test Date:2022-11-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:6.826m [K=1.0000]
Remarks: Cobra-1200mm-3000K-20D-Rev1

Uncorrected UGR Table

Test:U:24.00V I:1.876A P:45.01W PF:1.000 Lamp Flux:3518.99x1 lm											
NAME:Cobra-1200mm-3000K-20D-Rev1						TYPE:3000K		WEIGHT:			
DIM.:20 DEG						SPEC.:1200MM		SERIAL No.:			
MFR.:						SUR.:		PROTECTION ANGLE:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H		-5.4	-4.6	-5.1	-4.4	-4.3	7.7	8.4	7.9	8.6	8.8
3H		-5.5	-4.8	-5.3	-4.6	-4.4	7.5	8.2	7.8	8.4	8.7
4H		-5.6	-4.9	-5.3	-4.7	-4.5	7.4	8.1	7.7	8.3	8.6
6H		-5.7	-5.1	-5.4	-4.8	-4.5	7.4	8.0	7.7	8.2	8.5
8H		-5.7	-5.1	-5.4	-4.9	-4.6	7.3	7.9	7.6	8.2	8.5
12H		-5.8	-5.2	-5.4	-4.9	-4.6	7.3	7.8	7.6	8.1	8.4
4H	2H	-5.6	-4.9	-5.3	-4.7	-4.5	7.4	8.1	7.7	8.3	8.6
	3H	-5.8	-5.2	-5.5	-4.9	-4.6	7.3	7.8	7.6	8.1	8.4
	4H	-5.9	-5.4	-5.5	-5.0	-4.7	7.2	7.7	7.5	8.0	8.3
	6H	-6.0	-5.5	-5.6	-5.2	-4.8	7.1	7.5	7.4	7.9	8.3
	8H	-6.0	-5.6	-5.6	-5.2	-4.8	7.0	7.4	7.4	7.8	8.2
	12H	-6.0	-5.6	-5.6	-5.2	-4.8	6.9	7.3	7.4	7.7	8.2
8H	4H	-6.0	-5.6	-5.6	-5.2	-4.8	7.0	7.4	7.4	7.8	8.2
	6H	-6.1	-5.8	-5.7	-5.4	-4.9	6.9	7.3	7.3	7.7	8.1
	8H	-6.2	-5.9	-5.7	-5.4	-4.9	6.8	7.1	7.3	7.6	8.1
	12H	-6.1	-5.9	-5.7	-5.4	-4.9	6.8	7.0	7.3	7.5	8.0
12H	4H	-6.1	-5.7	-5.7	-5.3	-4.9	6.9	7.3	7.4	7.7	8.2
	6H	-6.2	-5.9	-5.7	-5.4	-5.0	6.8	7.1	7.3	7.6	8.1
	8H	-6.2	-5.9	-5.7	-5.5	-5.0	6.8	7.0	7.3	7.5	8.0
Variations with the observer position at spacings:											
S = 1.0H		+ 3.3 / - 8.6					+ 6.9 / -18.7				
1.5H		+ 6.0 / - 8.6					+ 9.5 / -21.2				
2.0H		+ 1.0 / - 0.7					+ 8.1 / -18.4				

CIE Pub.117 Corrected 3519 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.4)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QIU
Test Date:2022-11-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:6.826m [K=1.0000]
Remarks: Cobra-1200mm-3000K-20D-Rev1

UTILIZATION FACTORS TABLE

Test:U:24.00V I:1.876A P:45.01W PF:1.000 Lamp Flux:3518.99x1 lm		
NAME:Cobra-1200mm-3000K-20D-Rev1	TYPE:3000K	WEIGHT:
DIM.:20 DEG	SPEC.:1200MM	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

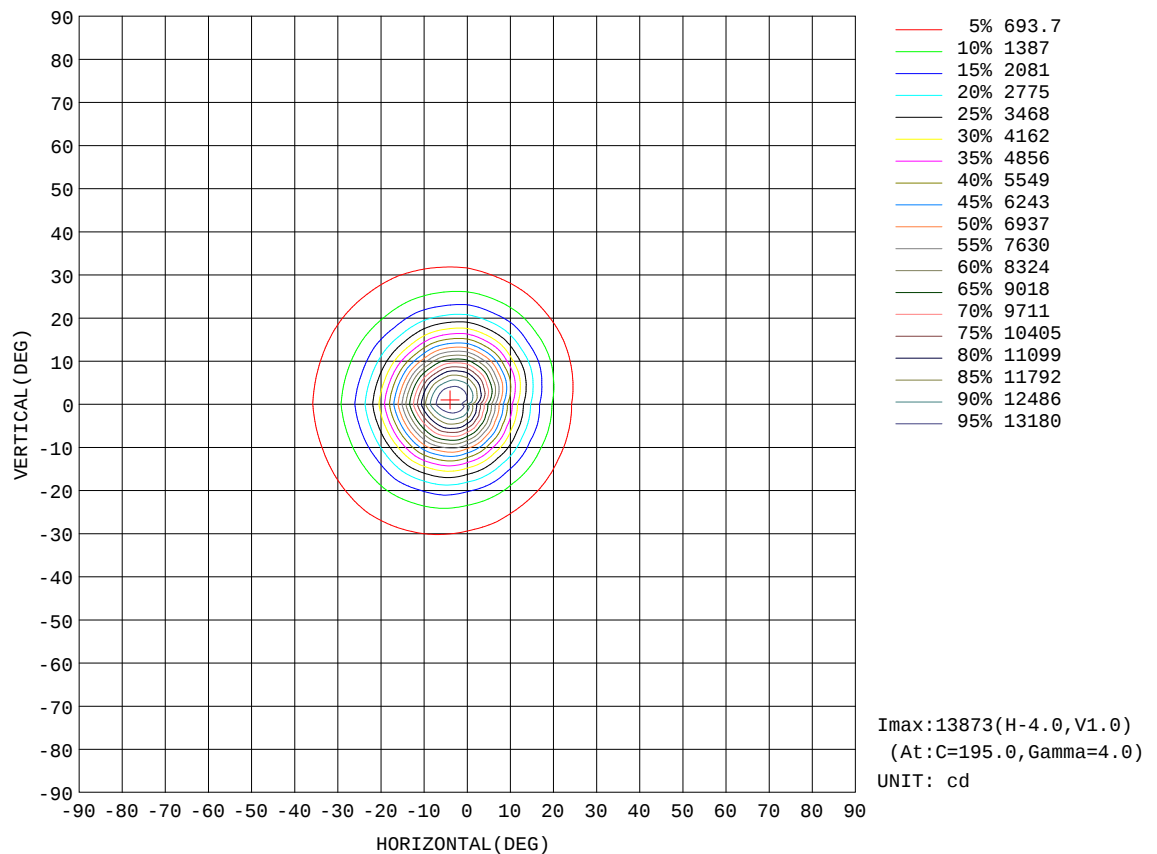
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	80	77	86	80	76	85	80	76	73
0.80	94	88	84	93	88	84	92	87	84	80
1.00	98	93	89	98	92	89	96	92	88	84
1.25	102	97	94	101	97	93	99	95	92	88
1.50	105	100	97	104	100	96	101	98	95	90
2.00	108	104	100	106	102	100	103	100	98	92
2.50	110	106	103	108	104	102	105	102	100	93
3.00	111	108	105	109	106	104	106	103	101	95
4.00	113	110	108	111	109	107	107	105	104	96
5.00	115	112	110	112	110	109	108	107	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QIU
Test Date:2022-11-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:6.826m [K=1.0000]
Remarks: Cobra-1200mm-3000K-20D-Rev1

ISOCANDELA DIAGRAM

Test:U:24.00V I:1.876A P:45.01W PF:1.000 Lamp Flux:3518.99x1 lm		
NAME:Cobra-1200mm-3000K-20D-Rev1	TYPE:3000K	WEIGHT:
DIM.:20 DEG	SPEC.:1200MM	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



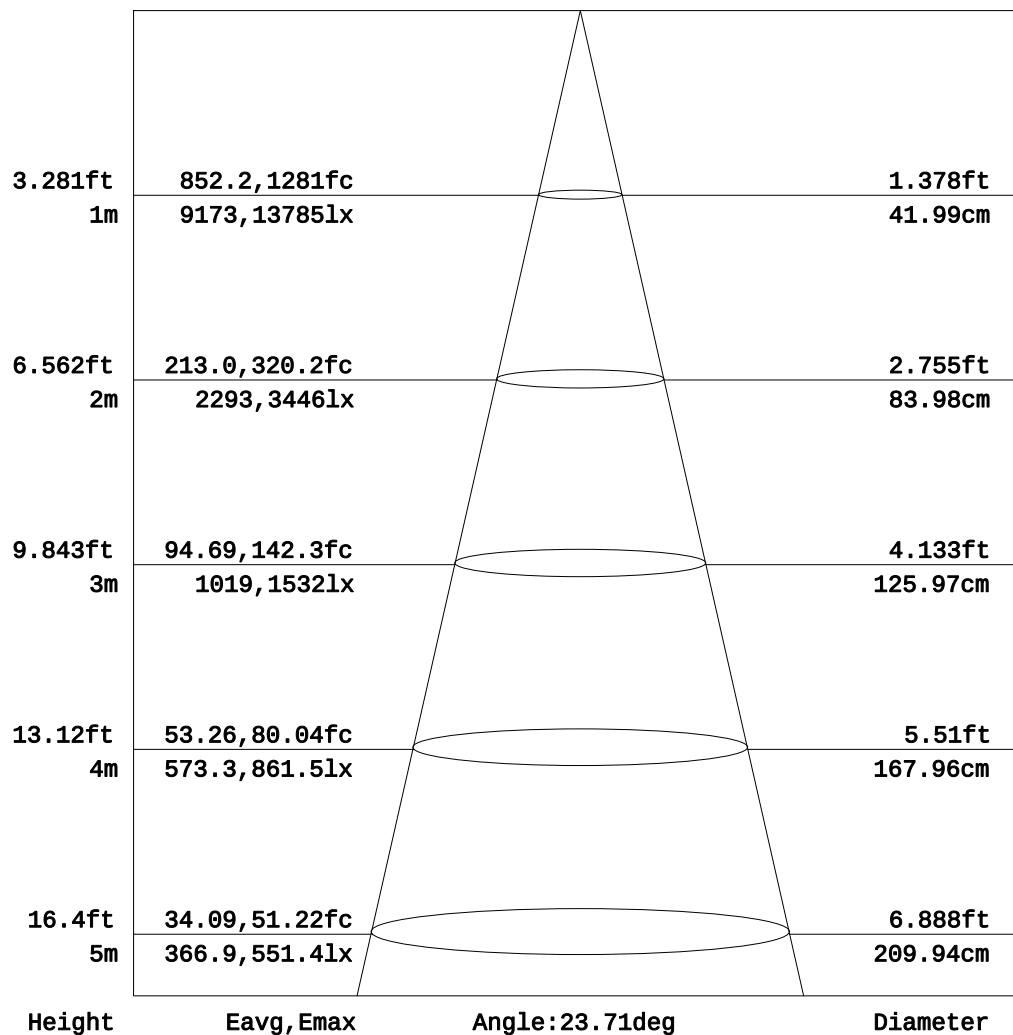
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QIU
Test Date:2022-11-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:6.826m [K=1.0000]
Remarks: Cobra-1200mm-3000K-20D-Rev1

AAI Figure

Test:U:24.00V I:1.876A P:45.01W PF:1.000 Lamp Flux:3518.99x1 lm		
NAME:Cobra-1200mm-3000K-20D-Rev1	TYPE:3000K	WEIGHT:
DIM.:20 DEG	SPEC.:1200MM	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Flux out:1302 lm



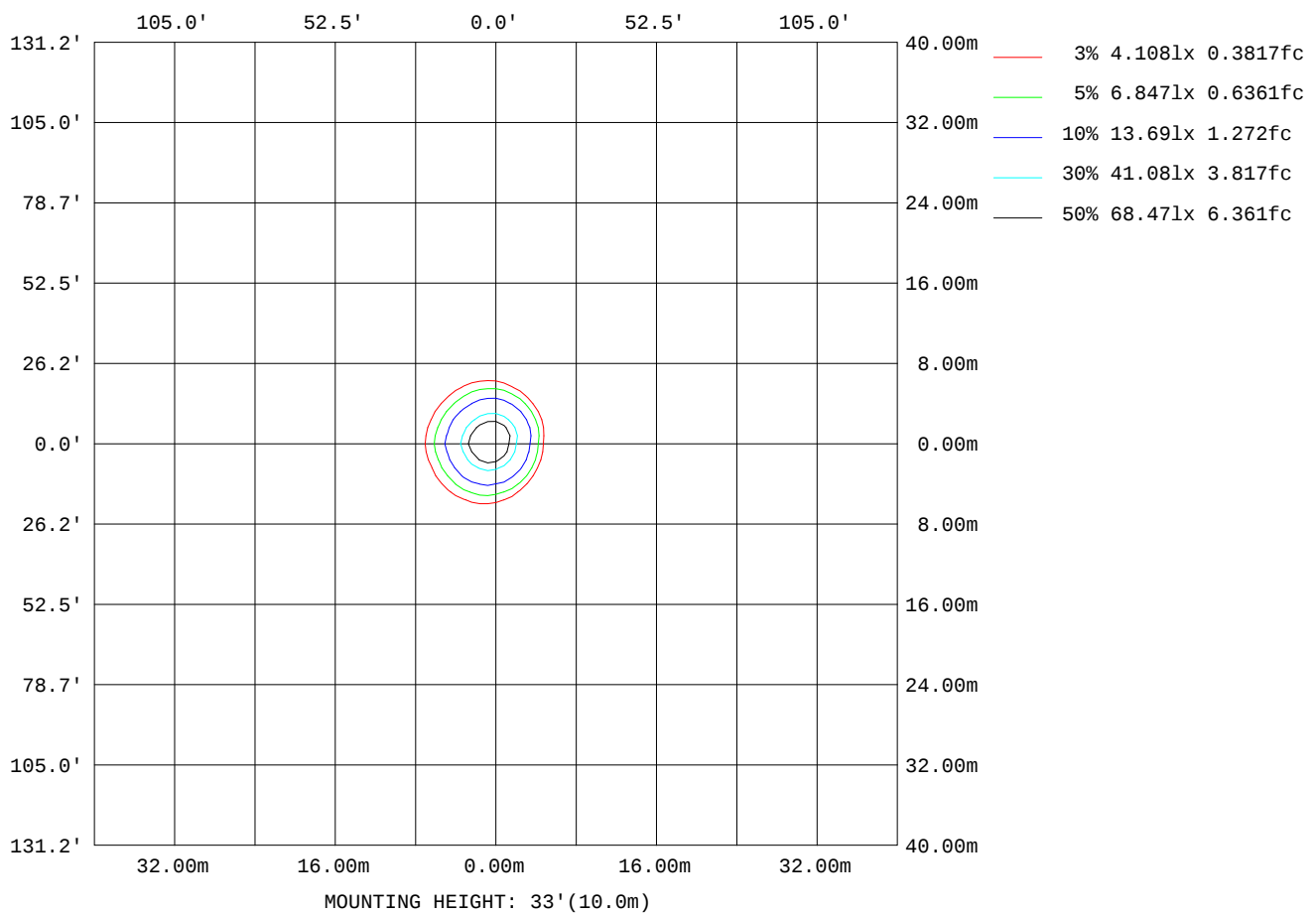
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QIU
Test Date:2022-11-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:6.826m [K=1.0000]
Remarks: Cobra-1200mm-3000K-20D-Rev1

ISOLUX DIAGRAM

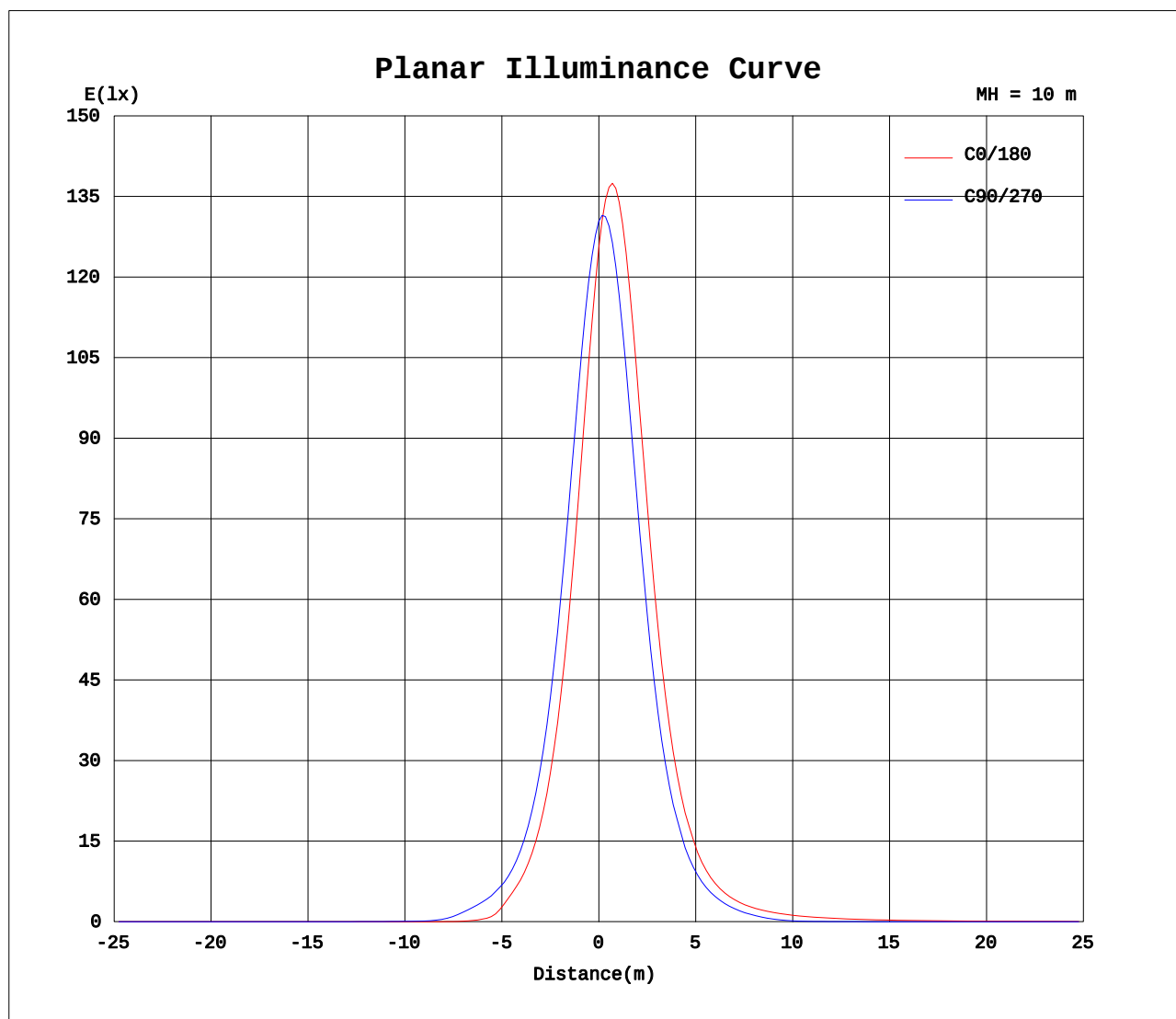
Test:U:24.00V I:1.876A P:45.01W PF:1.000 Lamp Flux:3518.99x1 lm		
NAME:Cobra-1200mm-3000K-20D-Rev1	TYPE:3000K	WEIGHT:
DIM.:20 DEG	SPEC.:1200MM	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QIU
Test Date:2022-11-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:6.826m [K=1.0000]
Remarks: Cobra-1200mm-3000K-20D-Rev1

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QIU
Test Date: 2022-11-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.276
Humidity: 65.0%
Test Distance: 6.826m [K=1.0000]
Remarks: Cobra-1200mm-3000K-20D-Rev1

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:1.876A P:45.01W PF:1.000 Lamp Flux:3518.99x1 lm																		
NAME:Cobra-1200mm-3000K-20D-Rev1									TYPE:3000K					WEIGHT:				
DIM.:20 DEG									SPEC.:1200MM					SERIAL No.:				
MFR.:									SUR.:					PROTECTION ANGLE:				

Table--1

UNIT: ×10cd

C(°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
γ (°)	1253	1266	1267	1284	1288	1301	1304	1309	1309	1302	1301	1282	1253	1266	1267	1284	1288	1301	1304
5	882	890	898	939	971	1031	1076	1141	1190	1249	1293	1338	1381	1380	1367	1339	1312	1271	1234
10	510	513	518	556	590	656	714	800	868	953	1010	1081	1160	1136	1109	1056	1022	964	919
15	265	266	269	293	317	362	406	473	530	601	648	704	773	738	709	663	638	595	562
20	131	132	135	147	161	188	215	256	290	335	362	397	440	412	393	363	350	324	305
25	59.1	59.8	62.9	74.1	85.2	99.1	114	137	156	179	193	214	238	218	211	191	184	170	159
30	10.3	10.0	10.5	18.2	26.6	51.7	65.0	77.5	89.2	99.6	107	115	127	119	113	104	99.6	93.2	84.3
35	2.17	2.10	2.32	3.38	4.96	10.0	32.5	47.8	54.8	61.1	64.7	68.9	74.8	71.1	67.6	62.9	59.4	53.4	44.5
40	0.48	0.54	0.68	0.95	1.50	2.88	7.19	28.5	36.8	41.3	43.4	45.7	48.8	46.8	44.9	42.0	38.9	32.6	20.0
45	0.06	0.07	0.16	0.44	0.77	1.30	2.43	10.9	25.8	29.8	31.4	32.7	34.6	33.4	32.3	30.2	27.4	17.6	4.98
50	0.01	0.01	0.04	0.11	0.21	0.74	1.42	3.15	17.1	22.4	23.8	24.7	25.9	25.2	24.5	22.8	19.5	6.93	1.96
55	0.01	0.00	0.01	0.03	0.09	0.29	0.86	1.68	9.61	17.3	18.6	19.3	20.2	19.7	19.2	17.8	12.8	2.47	1.16
60	0.00	0.00	0.01	0.00	0.03	0.10	0.45	1.13	4.48	13.3	14.6	15.2	15.9	15.6	15.2	14.0	7.41	1.38	0.68
65	0.00	0.00	0.01	0.00	0.01	0.03	0.20	0.73	2.15	9.52	10.9	11.6	12.2	12.0	11.6	10.4	3.90	0.92	0.36
70	0.00	0.00	0.01	0.00	0.00	0.01	0.09	0.43	1.17	6.09	7.53	8.19	8.74	8.56	8.22	6.88	1.99	0.58	0.17
75	0.00	0.01	0.01	0.00	0.00	0.00	0.04	0.26	0.69	3.42	4.46	4.94	5.43	5.27	5.01	3.97	1.06	0.36	0.08
80	0.01	0.01	0.01	0.01	0.00	0.00	0.02	0.15	0.43	1.67	2.31	2.69	3.06	2.91	2.64	1.98	0.60	0.22	0.03
85	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.09	0.25	0.72	1.07	1.33	1.58	1.47	1.27	0.88	0.34	0.13	0.01
90	0.03	0.03	0.03	0.02	0.01	0.01	0.00	0.03	0.09	0.24	0.38	0.53	0.68	0.61	0.51	0.31	0.15	0.06	0.00
95	0.05	0.05	0.05	0.04	0.01	0.01	0.00	0.01	0.01	0.03	0.08	0.13	0.20	0.17	0.12	0.05	0.02	0.01	0.00
100	0.08	0.08	0.08	0.06	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.04	0.03	0.02	0.01	0.01	0.01	0.01
105	0.13	0.12	0.12	0.09	0.04	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.00	0.01
110	0.18	0.17	0.16	0.13	0.06	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
115	0.23	0.22	0.21	0.18	0.10	0.04	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
120	0.30	0.29	0.27	0.23	0.15	0.07	0.05	0.04	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03
125	0.40	0.37	0.35	0.30	0.23	0.12	0.08	0.06	0.04	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.03	0.04
130	0.55	0.51	0.47	0.41	0.34	0.21	0.14	0.11	0.09	0.06	0.05	0.03	0.02	0.02	0.02	0.02	0.04	0.05	0.07
135	0.79	0.74	0.67	0.57	0.49	0.37	0.26	0.21	0.17	0.13	0.10	0.08	0.04	0.03	0.04	0.05	0.07	0.09	0.12
140	1.21	1.13	0.99	0.83	0.71	0.58	0.48	0.42	0.36	0.28	0.23	0.18	0.07	0.07	0.08	0.10	0.12	0.17	0.22
145	1.97	1.82	1.55	1.27	1.08	0.91	0.84	0.82	0.77	0.66	0.57	0.45	0.16	0.17	0.17	0.21	0.25	0.34	0.43
150	3.36	3.06	2.53	2.03	1.71	1.49	1.44	1.47	1.50	1.38	1.28	1.12	0.39	0.40	0.41	0.48	0.55	0.69	0.78
155	5.77	5.11	4.15	3.32	2.83	2.56	2.52	2.60	2.72	2.60	2.48	2.23	0.79	0.85	0.90	1.01	1.12	1.27	1.35
160	9.40	7.97	6.42	5.30	4.81	4.48	4.45	4.53	4.73	4.64	4.48	4.10	1.46	1.61	1.76	1.94	2.08	2.27	2.38
165	13.2	10.9	8.99	8.12	7.88	7.55	7.47	7.48	7.69	7.67	7.57	7.06	2.62	2.82	3.15	3.48	3.70	4.00	4.26
170	15.0	12.5	11.2	11.4	11.5	11.3	11.2	11.1	11.2	11.3	11.4	10.9	4.41	4.67	5.37	5.96	6.32	6.84	7.27
175	13.6	12.0	12.5	13.5	13.9	13.9	13.9	14.0	14.1	14.2	14.3	14.0	6.93	7.17	8.46	9.38	9.93	10.6	11.1
180	10.6	10.2	11.9	12.9	13.4	13.8	14.1	14.4	14.7	14.8	14.8	14.8	10.7	10.2	11.8	12.9	13.4	13.8	14.1

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QIU
 Test Date: 2022-11-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.276
 Humidity: 65.0%
 Test Distance: 6.826m [K=1.0000]
 Remarks: Cobra-1200mm-3000K-20D-Rev1

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:1.876A P:45.01W PF:1.000 Lamp Flux:3518.99x1 lm		
NAME:Cobra-1200mm-3000K-20D-Rev1	TYPE:3000K	WEIGHT:
DIM.:20 DEG	SPEC.:1200MM	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1309	1309	1302	1301	1282														
5	1181	1135	1070	1025	955														
10	848	790	709	653	580														
15	506	461	401	359	309														
20	271	247	208	183	155														
25	140	122	101	87.3	73.0														
30	70.1	56.9	42.3	33.0	17.6														
35	30.2	18.1	9.10	5.47	3.56														
40	7.14	3.56	2.04	1.16	0.67														
45	2.15	1.18	0.65	0.40	0.21														
50	1.03	0.55	0.22	0.07	0.02														
55	0.53	0.17	0.07	0.02	0.01														
60	0.20	0.07	0.02	0.01	0.01														
65	0.07	0.02	0.01	0.01	0.01														
70	0.02	0.01	0.01	0.01	0.01														
75	0.01	0.00	0.01	0.01	0.01														
80	0.01	0.00	0.01	0.01	0.01														
85	0.00	0.00	0.01	0.01	0.01														
90	0.00	0.01	0.01	0.02	0.01														
95	0.00	0.01	0.01	0.02	0.02														
100	0.01	0.01	0.02	0.04	0.04														
105	0.01	0.02	0.04	0.06	0.07														
110	0.01	0.03	0.06	0.09	0.10														
115	0.02	0.05	0.09	0.12	0.13														
120	0.04	0.07	0.13	0.16	0.17														
125	0.06	0.12	0.18	0.20	0.22														
130	0.11	0.19	0.25	0.27	0.28														
135	0.19	0.28	0.34	0.36	0.39														
140	0.33	0.41	0.47	0.51	0.57														
145	0.53	0.59	0.66	0.74	0.86														
150	0.84	0.89	0.98	1.10	1.32														
155	1.39	1.43	1.55	1.71	2.08														
160	2.46	2.51	2.66	2.81	3.27														
165	4.46	4.62	4.75	4.82	5.06														
170	7.67	7.98	8.11	8.04	8.00														
175	11.6	12.0	12.1	12.1	12.2														
180	14.4	14.7	14.8	14.8	14.9														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QIU
Test Date:2022-11-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:6.826m [K=1.0000]
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